



SCC16000A

Crawler Crane

1600 Tons Lifting Capacity

Quality Changes the World



Max. lifting moment: 19000t·m

Max. boom length: 108m

Max. luffing jib combination: 108m+114m

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

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Crawler Crane Series SCC16000A

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A

SCC16000A SANY CRAWLER CRANE 1600 TONS LIFTING CAPACITY

QUALITY CHANGES THE WORLD

Features

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Product Specification



Appearance

The industrial modeling of the cab is designed by Porsche. It has a smooth, elegant and novel appearance, which is a significant breakthrough when compared with traditional engineering machinery and has excellent brand identification. The cab has a sliding door structure, which is suitable for the crawler crane and convenient for the operator. It is adopted with fully-sealed steel frame structure with a large area of high strength toughened glass installed on the front, side and top, transmitting more light. The interior space of the cab is spacious and bright, with a broader sight view.

Comfort

It is adopted with shock absorption, noise reduction, suspended, multi-mode and multi-stage adjustable seat, thus providing the operator with the most comfortable driving experience. The famous USA RedDot air conditioner is adopted, ensuring more reasonable air outlet and efficient cooling. It takes no more than 20 min to cool the cab from 55°C to 27.5°C. The left and right consoles are equipped with control handles, control buttons, ignition locks and other elements. The seats, control handles and control buttons are arranged according to ergonomic design, fully considering the driver's operation demands and habits. The control box can be adjusted to the most suitable position with the seat to ensure more comfortable operation. The cab can tilt up to 15° according to the work demands, and can also rotate to the front part of the rotating bed for the convenience of transport.

Carbody

The hydraulic cylinder driving power pin is connected with the crawler frame for easy assembly and disassembly. The high-strength steel welded frame structure is adopted. Larger carbody design significantly improves the stability of the overall crane. The carbody counterweight is 90t, 45t each at front and back, and can be self-assembled.

Crawler Assembly

Crawler frames: each crawler frame is equipped with independent traveling driving devices. The planetary gear reducer is driven by the hydraulic traveling motor, and independent traveling is realized through the transmission of the driving gear. The driving system has two speed positions, namely high speed and low speed: The low speed can provide sufficient traction force to realize 100% travel with load; the high speed can provide higher speed to improve the transit efficiency. The traveling drive can also realize stepless speed change;

Track shoe: It is made of materials with high strength and high wear resistance through advanced casting process. After being installed on the equipment, its tension can be adjusted through the hydraulic cylinder, and the shim position can be adjusted to achieve the ideal tension.

One-key Leveling of Outriggers

With the machine gravity calculated in real time, the outrigger balance is detected by the cylinder pressure sensor, the outriggers can be adjusted to level state by one key to reduce assembly time and improve efficiency.



Product Specification

Engine

- Mercedes-Benz: (Euro Tier III), optional Euro Tier IV;
- Rated power: 2*315 Kw;
- Rated speed: 1800 rpm;
- Maximum output torque: 2100 N·m;
- Speed at the maximum output torque: 1300 rpm.

Load hoist winch mechanism

- The planetary gear box driven by hydraulic motor of variable displacement is used to control the main load hoist I and main load hoist II to lift and lower the load. It provides good inching performance, and also ensures quick powered lifting of main load hoist winches;
- The maximum number of parts of line is 62. The multilayer winding of rope-folding drum ensures no rope disorder. The gear box is featured in low noise, high efficiency, long service life and easy access to oil change.

Main load hoist winches W1-1 and W1-2	Speed of rope in the outermost working layer	0~140mm/min
	Diameter of wire rope	32mm
	Rope length	1550m
	Rated single line pull	22.5t
Auxiliary load hoist winch W2	Speed of rope in the outermost working layer	140m/min
	Diameter of wire rope	28mm
	Rope length	600m
	Rated single line pull	17.2t

Boom hoist winch mechanism

- Components: Boom luffing mechanism, jib luffing mechanism, superlift luffing mechanism;
- All luffing winches adopt fold-line drums, which are driven by hydraulic motor through the planetary gear box and can realize a number of compound actions and good inching performance.

Boom luffing mechanism W3	Speed of rope in the outermost working layer	65*2m/min
	Diameter of wire rope	32mm
Jib luffing mechanism W4	Speed of rope in the outermost working layer	0~130m/min
	Diameter of wire rope	32mm
Superlift luffing mechanism W5	Speed of rope in the outermost working layer	140m/min
	Diameter of wire rope	32mm

Slewing mechanism

- The slewing hydraulic system adopts double motor to drive the spur gear through the planetary gear box, which can realize 360° rotation, slewing speed of 0~0.8 rpm, stepless speed regulation, no backlash at starting or stopping, stable operation and free slipping function at neutral position. Slewing ring: It is adopted with three-row roller type slewing bearing with external gears. The main unit can be separated from the lower structure through the adaptor ring.

Product Specification



- The operating equipment is made of high-strength steel tubes and high-strength steel plates, and the rolled welded pulleys are adopted on the boom head and hook.

Boom

- The boom is a spatial lattice structure of welded tubes with equal section areas of inserts and tapered sections for two ends. The boom top and root are strengthened with steel plates, which is easier for load transfer;
- The length of the boom is 30m (basic boom) to 108m (with superlift);
- Compositions: boom base 10.5m, 1 transition section of 12 m, 1 connecting tip of 1.5m, 1 insert of 3m, 2 inserts of 6m, and 6 inserts of 12m boom top pulley block;
- The extension jib is installed on the boom top.

Fixed jib

- The fixed jib is a spatial lattice structure of welded tubes with equal section areas of inserts and tapered sections for two ends. The jib top and root are strengthened with steel plates, which is easier for load transfer;
- The length of the fixed jib is 12m;
- Compositions: jib base 6m x1, jib top 6m x1.

Luffing jib

- The luffing jib is a spatial lattice structure of welded tubes with equal section areas of inserts and tapered sections for two ends. The jib top and root are strengthened with steel plates, which is easier for load transfer;
- The length of the luffing jib is 30m~114m;
- Compositions: jib base 10.5mx1, boom insert (H8D), tapered section 6mx1, insert 6mx2, insert 12mx6, jib top 1.5mx1;
- The extension jib is installed on the jib top.

Superlift device

- The superlift mast is a spatial lattice structure of welded tubes with equal section areas of inserts and tapered sections for two ends. The mast base and top are strengthened with steel plates, which is easier for load transfer;
- The length of the superlift mast is 42m;
- Compositions: superlift base 12m x1, insert 6m x1, insert 12m x1, top 12m x1.

Hook

- There are 5 types of hook available. The specific parameters are as follows:

Hook	Maximum lifting capacity	Quantity	Number of pulleys	Unit weight (t)
1250t hook (decomposable)	1250t	1	2×15	35.9
800t hook (dual pulley block)	800t	1	2×11	22.3
350t hook (dual pulley block)	350t	1	2×5	13.3
250t hook (dual pulley block)	250t	1	2×3	11.9
25t ball hook(no pulley)	25t	1	0	1.7

Note: The 1250t hook can be decomposed into 650t hook.



Product Specification

Additional device

- Side outriggers;
- Lower structure jack cylinders;
- Crawler self-assembly cylinder (on the boom hoist mast);
- Portable power pack;
- Quick connector ring (connecting the superstructure/lower structure).

Counterweight

- The counterweight includes the carbody counterweight, rear counterweight, superlift counterweight, and the specific parameters are as follows:

Name	Quantity	Length(m)	Width(m)	Height(m)	Unit weight(t)
Carbody counterweight	6	2.40	2.85	0.484	10
Carbody counterweight tray	2	3.00	3.666	1.465	15
Rear counterweight	22	2.40	2.85	0.484	10
Rear counterweight tray	2	3.35	2.86	2.96	15
Superlift counterweight	42	2.40	2.85	0.484	10
Superlift counterweight tray	1	10.124	3.00	1.014	30

Hydraulic system

- Hydraulic system includes load hoist hydraulic system, traveling hydraulic system, slewing hydraulic system, boom hoist hydraulic system, servo hydraulic system, back-stop hydraulic system, cooling system, auxiliary hydraulic system. The main hydraulic components are original parts imported.
- Characteristics: The load hoisting, traveling, boom hoist and slewing hydraulic systems are of closed loop type, featuring energy saving, high efficiency, quick response, low heat radiation and long service life;
- The servo system adopts electrical proportional control components to facilitate the accurate and intelligent control;
- The back-stop hydraulic system adopts balance valve of external control and unloading, and it is mounted on the cylinder to make sure it is safe and reliable;
- The cooling system is characterized by higher power and quicker cooling.

Working weight

- The working weight is about 777t, including superstructure, lower structure, rear counterweight, carbody counterweight, 30m base boom and 1250t hook.

Ground pressure

- The average ground bearing pressure of the crane with base boom is 0.14 MPa.

Gradeability

- The gradeability of the crane with base boom is 20%.

Safety Devices



Load Moment Indicator

- The proprietary 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 boom down angle is less than 30° or jib down angle is less than 15° , the control system will automatically cut off the boom/jib from further lowering. Meanwhile, the display and the buzzer will give alarms. At this moment, boom/jib luffing winch won't be able to lower. This protection is automatically controlled by Load Moment Limiter.

Back-stop Device

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

Brake of Hoisting Mechanism

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

Closed Circuit Monitoring System

- It can be used to monitor the winding conditions of wire ropes of each hoisting mechanism, the conditions of superlift weight, and conditions around the equipment.
- Video recorder can store video as long as 76 hours.
- Machine operation can be recorded.

Failure Auto-Diagnosis System

- Failure code can help troubleshooting easily.



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.

Hook Latch

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

Swing and Travel Visual-Audio Alarm

- When the machine is swinging or traveling, the horn will send out alarm per certain frequency, and warning indicator light flashes, to warn the people around the machine. This can be turned off in the control system.

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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**SCC16000A
SANY CRAWLER CRANE
1600 TONS LIFTING CAPACITY**

QUALITY CHANGES THE WORLD

Technical Parameters

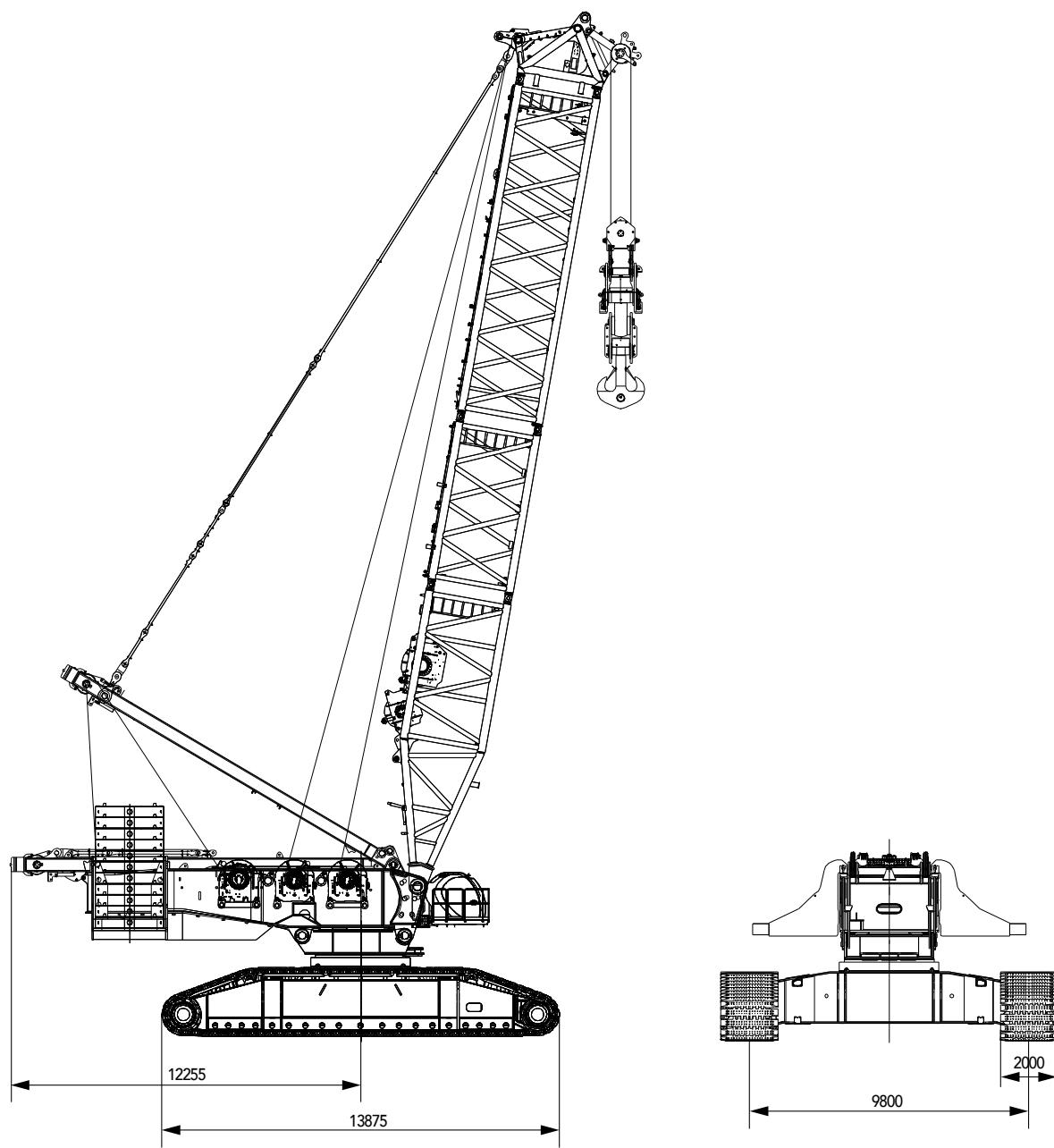
- Page 11 Main performance parameters
- Page 12 Basic dimensions of overall crane
- Page 14 Transportation dimensions
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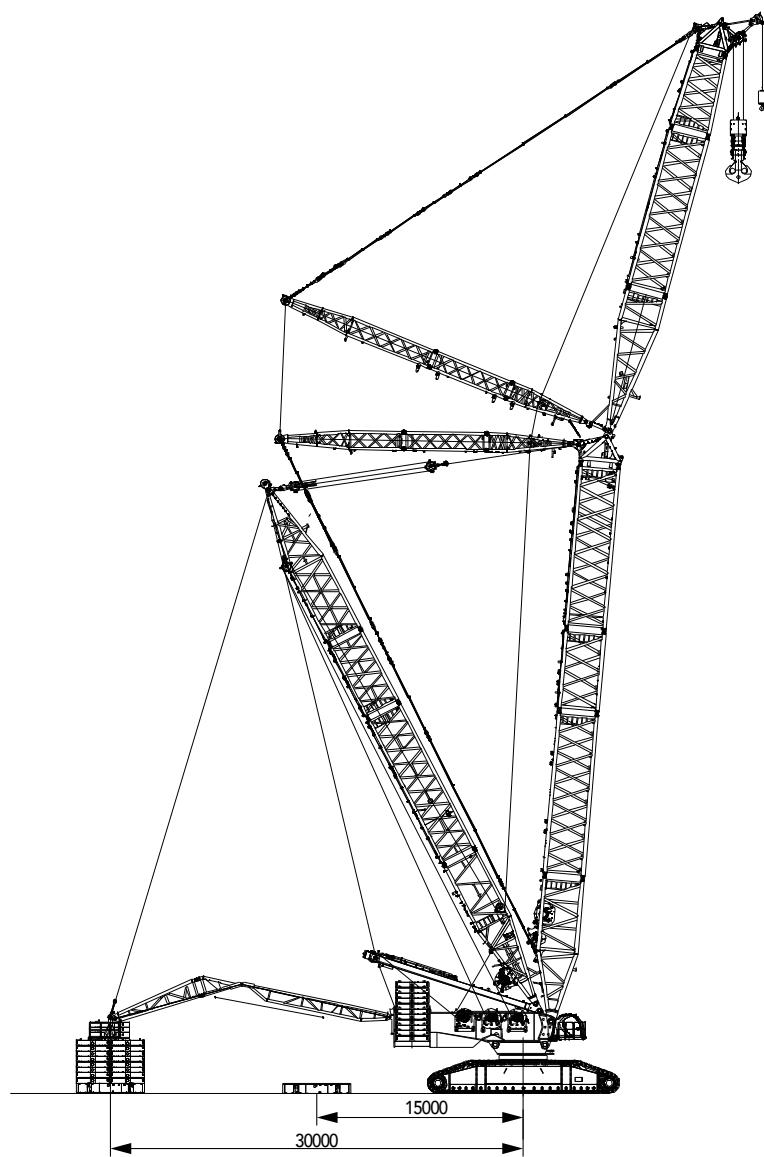
Main Performance Parameters

Major Performance & Specifications of SCC16000A		
Performance indexes	Unit	Parameter
Maximum rated lifting capacity	t	800 (7m operating radius)
Maximum rated lifting capacity (with superlift)	t	1600 (10m operating radius)
Maximum rated lifting moment	t·m	6060
Maximum rated lifting moment (with superlift)	t·m	19000
Boom length	m	30~96
Boom length (with superlift)	m	42~108
Mixed boom length	m	48~114
Mixed boom length (with superlift)	m	84~165
Luffing jib length	m	30~84
Luffing jib length (with superlift)	m	30~114
Length of short fixed jib	m	12
Longest boom combination (LJDB working condition)	m	108+114
Boom luffing angle	°	30~85
Jib luffing angle	°	15~75
Maximum rope speed of single rope of main load hoist winch (outermost working layer)	m/min	140
Maximum rope speed of single rope of aux. load hoist winch (outermost working layer)	m/min	140
Maximum rope speed of single rope of boom hoist mechanism (outermost working layer)	m/min	65×2
Maximum rope speed of single rope of jib luffing mechanism (outermost working layer)	m/min	130
Maximum rope speed of single rope of superlift luffing mechanism (outermost working layer)	m/min	140
Slewing speed (no load)	r/min	0.9
Travelling speed	km/h	0~0.8
Gradeability (with basic boom, cab facing backward)	%	20
Rated output power of the engine	kW/r/min	2×315/1800
Machine weight (basic boom, 250t machine rear counterweight, 90t carbody counterweight, with 1250t hook)	t	777
Average ground bearing pressure of the crawler (base boom, 250t machine counterweight, 90t carbody counterweight, 1250t hook)	MPa	0.14
Rear counterweight (including tray)	t	250
Superlift counterweight (including tray)	t	550
Carbody counterweight (including tray)	t	90
Maximum transportat dimensions of single piece (L×W×H)	mm	15300×3500×3200
Maximum transport weight of single piece	t	54

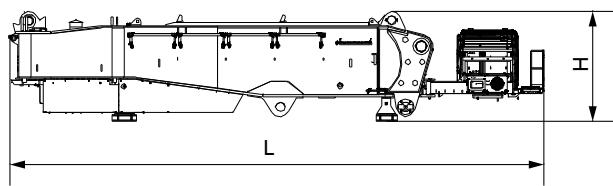
Unit: mm

Outline Dimension

Unit: mm

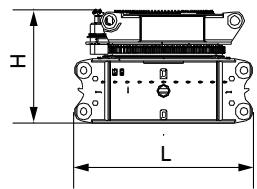
Outline Dimension

Transport Dimension



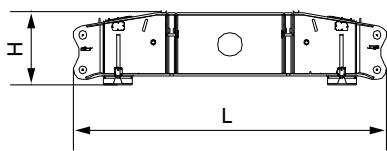
Basic machine(with upper- and lowerworks separated) ×1

Length (L)	15.30m
Width (W)	3.50m
Height (H)	3.15m
Weight	53.6t



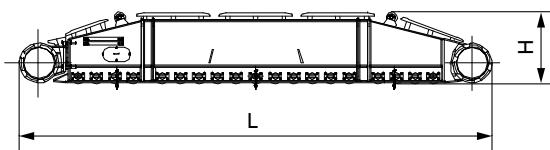
Center swing structure(carbody+adapter) ×1

Length (L)	5.14m
Width (W)	3.50m
Height (H)	3.24m
Weight	50.0t



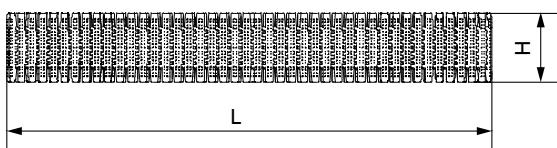
Transverse beam ×2

Length (L)	9.00m
Width (W)	1.81m
Height (H)	2.11m
Weight	21.6t



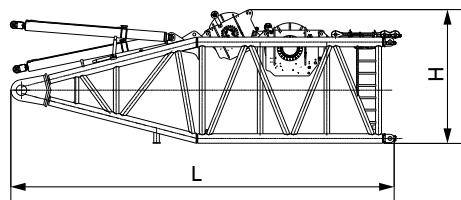
Crawler frame assembly ×2

Length (L)	13.56m
Width (W)	2.07m
Height (H)	2.06m
Weight	43.4t



Track pad assembly ×2

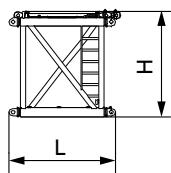
Length (L)	13.92m
Width (W)	2.00m
Height (H)	2.38m
Weight	32.1t



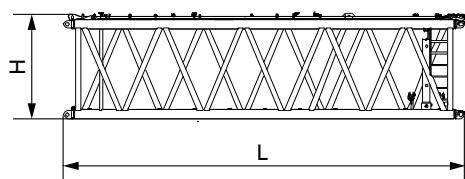
Boom base (H2)(with winch) ×1

Length (L)	10.92m
Width (W)	3.50m
Height (H)	3.20m
Weight	37.0t

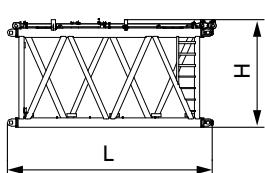
Note:aux. load hoist winch 5.4t, jib luffing winch 10.9t.

Transport Dimension**3m transitional insert(H3) ×1**

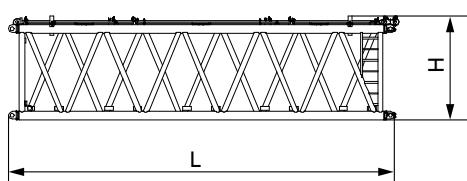
Length (L)	3.24m
Width (W)	3.50m
Height (H)	3.23m
Weight	4.5t

**12m transitional insert (H4) ×1**

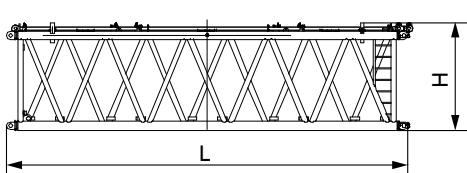
Length (L)	12.24m
Width (W)	3.50m
Height (H)	3.19m
Weight	14.9t

**6m boom insert (H6) ×2**

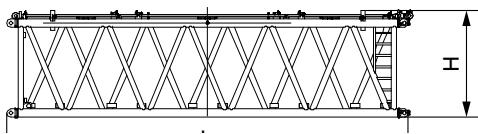
Length (L)	6.24m
Width (W)	3.50m
Height (H)	3.28m
Weight	8.2t

**12m boom insert (H8A) ×2**

Length (L)	12.24m
Width (W)	3.50m
Height (H)	3.28m
Weight	15.4t

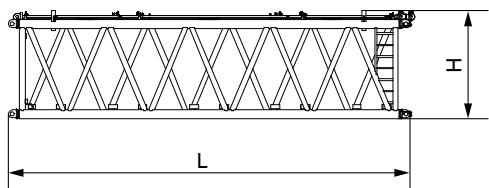
**12m boom insert (H8B) ×2**

Length (L)	12.24m
Width (W)	3.50m
Height (H)	3.28m
Weight	15.4t

**12m boom insert (H8C) ×2**

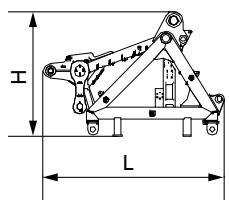
Length (L)	12.24m
Width (W)	3.50m
Height (H)	3.28m
Weight	12.8t

Transport Dimension



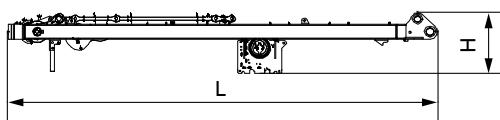
12m boom insert (H8D) ×1

Length (L)	12.24m
Width (W)	3.50m
Height (H)	3.28m
Weight	11.2t



Connecting tip(H9) ×1

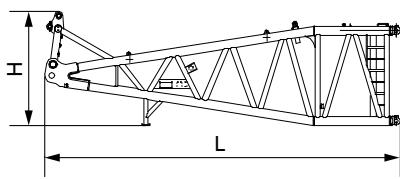
Length (L)	4.17m
Width (W)	3.50m
Height (H)	2.87m
Weight	9.9t



Boom hoist mast ×1

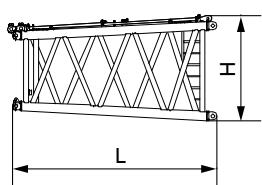
Length (L)	13.7m
Width (W)	2.87m
Height (H)	1.94m
Weight	28.2t

Note: including boom hoist winch 9.04t.



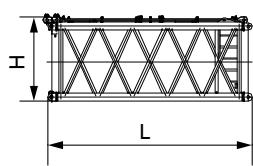
Luffing jib base (LJ2) ×1

Length (L)	10.83m
Width (W)	3.50m
Height (H)	3.47m
Weight	13.5t



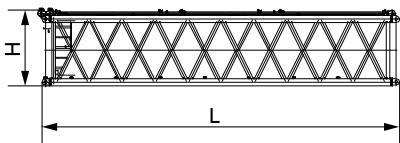
6m jib tapered insert(LJ4) ×1

Length (L)	6.24m
Width (W)	3.50m
Height (H)	3.21m
Weight	5.8t

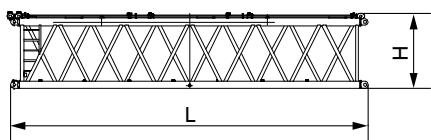


Luffing jib insert(LJ6) ×2

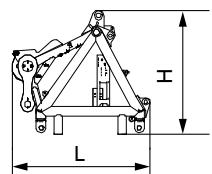
Length (L)	6.23m
Width (W)	3.00m
Height (H)	2.57m
Weight	5.13t

Transport Dimension**Luffing jib insert(LJ8A) $\times 2$**

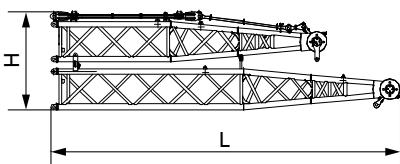
Length (L)	12.23m
Width (W)	3.00m
Height (H)	2.57m
Weight	8.33t

**Luffing jib insert(LJ8B) $\times 4$**

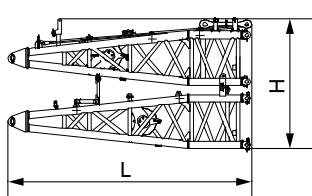
Length (L)	12.23m
Width (W)	3.00m
Height (H)	2.57m
Weight	7.58t

**Jib tip (LJ9) $\times 1$**

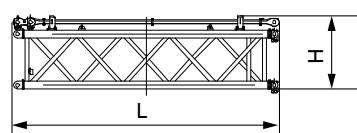
Length (L)	3.04m
Width (W)	3.04m
Height (H)	2.74m
Weight	5.51t

**Rear and front mast top of luffing jib $\times 1$**

Length (L)	11.94m
Width (W)	2.98m
Height (H)	3.34m
Weight	13.0t

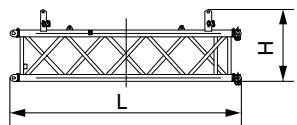
**Rear and front mast base of luffing jib $\times 1$**

Length (L)	6.25m
Width (W)	2.89m
Height (H)	3.34m
Weight	7.3t

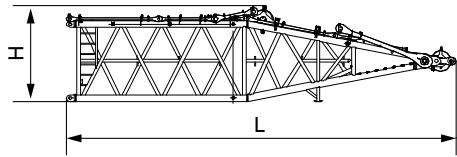
**6m front mast of luffing jib $\times 1$**

Length (L)	6.24m
Width (W)	2.97m
Height (H)	1.71m
Weight	2.88t

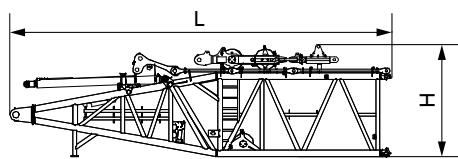
Transport Dimension



6m rear mast of luffing jib	×1
Length (L)	6.18m
Width (W)	2.13m
Height (H)	1.94m
Weight	2.21t

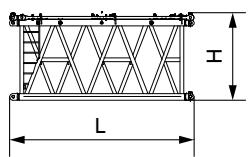


Superlift mast top (D1)	×1
Length (L)	13.02m
Width (W)	3.45m
Height (H)	3.20m
Weight	15.9t

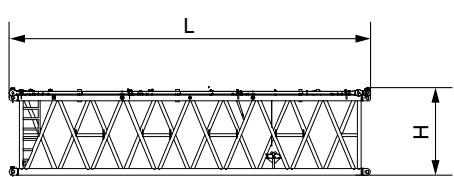


Superlift mast base(D2)(with winch)	×1
Length (L)	12.32m
Width (W)	3.50m
Height (H)	3.64m
Weight	39.7t

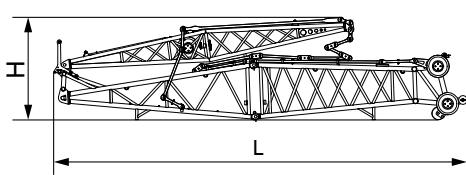
Note: superlift luffing winch 12.65t.



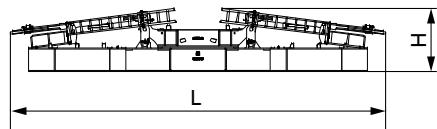
6m superlift mast insert(D4)	×1
Length (L)	6.24m
Width (W)	3.49m
Height (H)	2.89m
Weight	6.23t



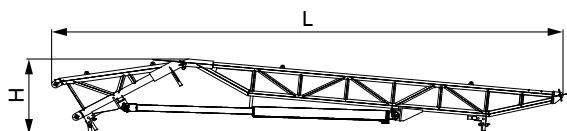
12m superlift mast insert(D6)	×1
Length (L)	12.24m
Width (W)	3.49m
Height (H)	2.89m
Weight	11.37t



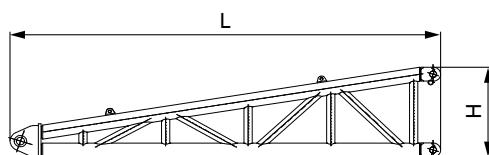
Fixed jib	×1
Length (L)	12.91m
Width (W)	2.33m
Height (H)	3.20m
Weight	8.5t

Transport Dimension

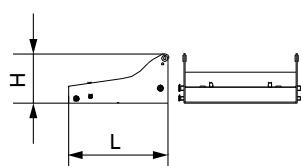
Superlift counterweight frame	×1
Length (L)	11.21m
Width (W)	3.00m
Height (H)	1.87m
Weight	32.0t



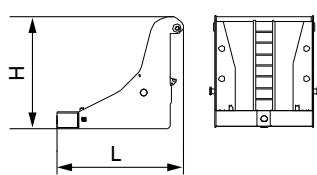
Superlift strut stage 1 and 2 (including cylinder)	×1
Length (L)	14.84m
Width (W)	3.45m
Height (H)	2.41m
Weight	10.6t



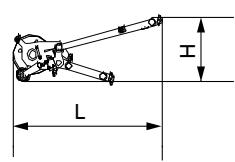
Superlift strut stage 3	×1
Length (L)	6.26m
Width (W)	3.45m
Height (H)	1.42m
Weight	3.8t



Carbody counterweight tray	×2
Length (L)	2.98m
Width (W)	3.67m
Height (H)	1.47m
Weight	15.0t

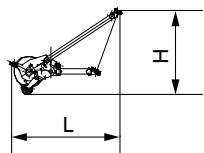


Rear counterweight tray	×2
Length (L)	3.35m
Width (W)	2.86m
Height (H)	2.96m
Weight	15.0t

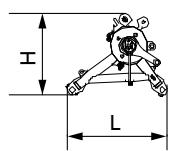


Boom extension jib	×1
Length (L)	2.65m
Width (W)	1.27m
Height (H)	1.41m
Weight	0.58t

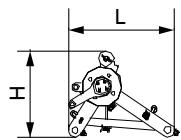
Transport Dimension



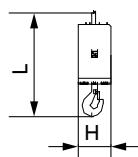
Luffing jib extension jib	×1
Length (L)	2.44m
Width (W)	1.13m
Height (H)	1.90m
Weight	0.58t



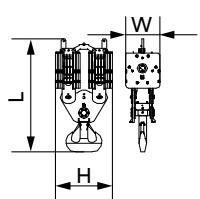
Pulley block (650T)	×2
Length (L)	1.85m
Width (W)	1.67m
Height (H)	1.51m
Weight	2.1t



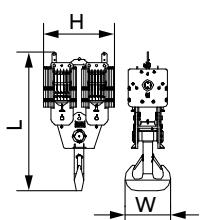
Pulley block (1250T)	×2
Length (L)	1.85m
Width (W)	2.09m
Height (H)	1.94m
Weight	3.7t



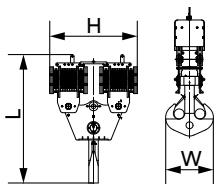
25T hook	×1
Length (L)	1.64m
Width (W)	0.54m
Height (H)	0.54m
Weight	1.7t



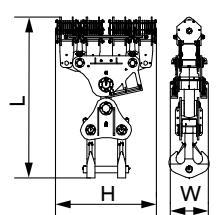
250T hook	×1
Length (L)	3.66m
Width (W)	1.83m
Height (H)	1.10m
Weight	11.9t



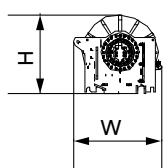
350T hook	×1
Length (L)	4.02m
Width (W)	1.33m
Height (H)	2.04m
Weight	13.3t

Transport Dimension

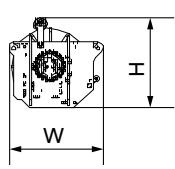
800T hook	×1
Length (L)	5.06m
Width (W)	1.89m
Height (H)	3.45m
Weight	22.3t



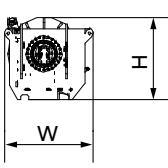
1250T hook	×1
Length (L)	6.72m
Width (W)	1.69m
Height (H)	4.16m
Weight	35.9t



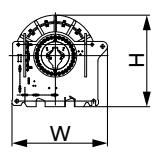
Main load hoist winch	×2
Length (L)	2.15m
Width (W)	1.68m
Height (H)	1.50m
Weight	12.7t



Aux. load hoist winch	×1
Length (L)	2.06m
Width (W)	1.50m
Height (H)	1.44m
Weight	5.4t

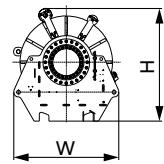


Jib luffing winch	×1
Length (L)	2.06m
Width (W)	1.76m
Height (H)	1.63m
Weight	10.9t



Boom hoist winch	×1
Length (L)	2.48m
Width (W)	1.56m
Height (H)	1.49m
Weight	9.04t

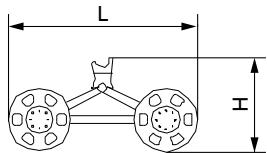
Transport Dimension



Superlift luffing winch

×1

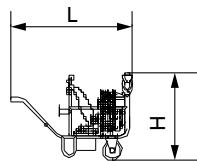
Length (L)	2.15m
Width (W)	1.64m
Height (H)	1.75m
Weight	12.65t



Trolley

×1

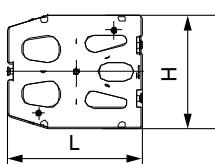
Length (L)	3.10m
Width (W)	2.14m
Height (H)	1.40m
Weight	1.8t



Portable power pack

×1

Length (L)	1.55m
Width (W)	0.70m
Height (H)	1.08m
Weight	0.2t



10T counterweight block

×80

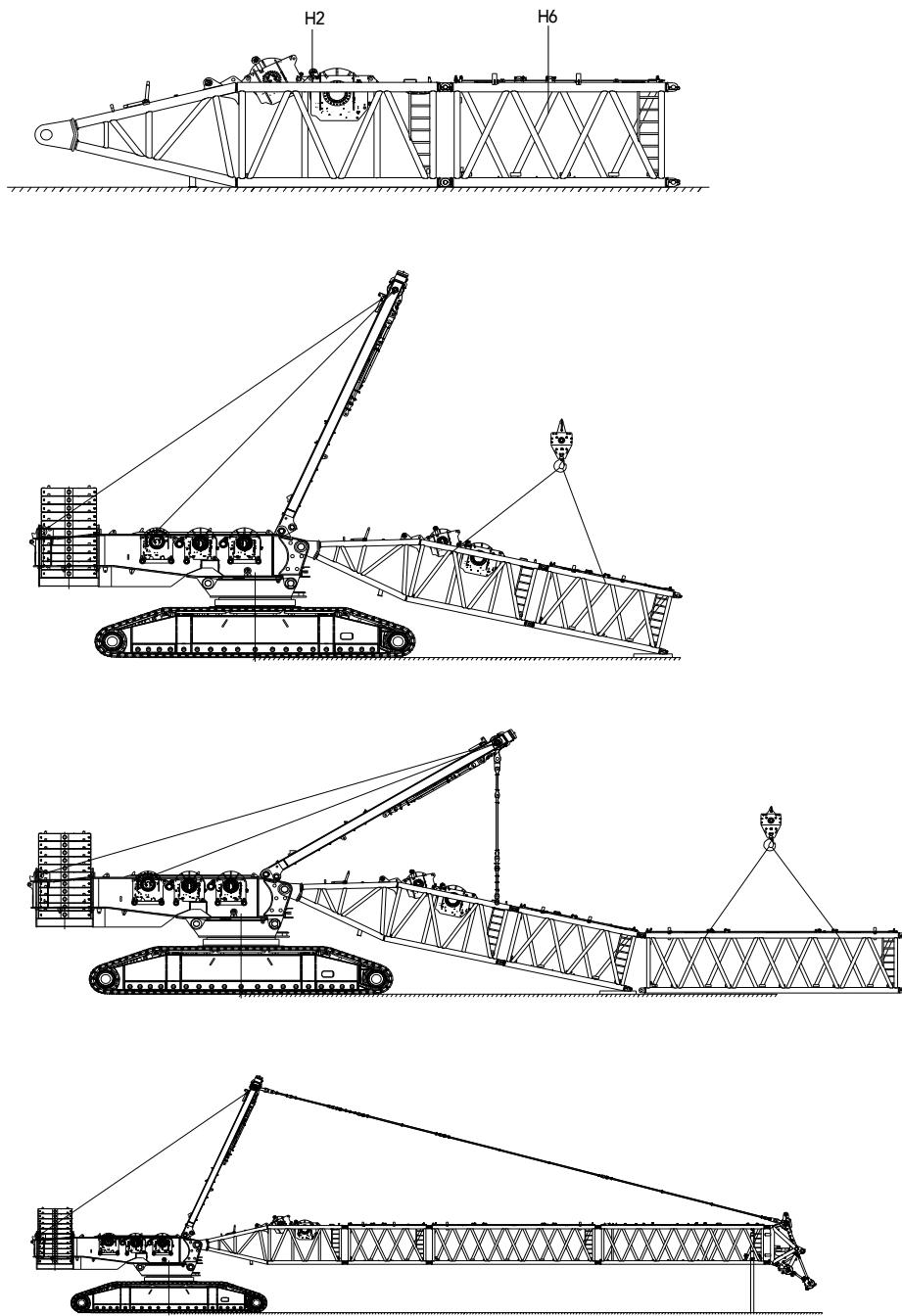
Length (L)	2.85m
Width (W)	0.49m
Height (H)	4.16m
Weight	10.0t

Note:

- 1.The transport dimensions of each part are schematic, may not be proportional to the real parts. The dimensions are designed value without package considered.
- 2.The weight is designed value that the actual manufactured part may deviate slightly.
- 3.The dimensions and weight of each part may upgrade along the time. The final values are subject to the new product.

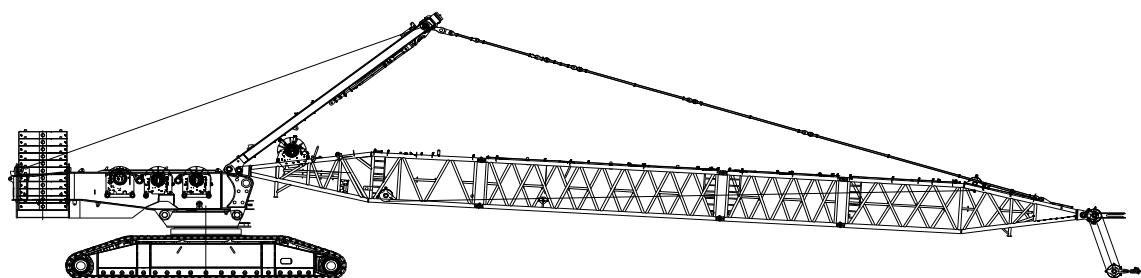
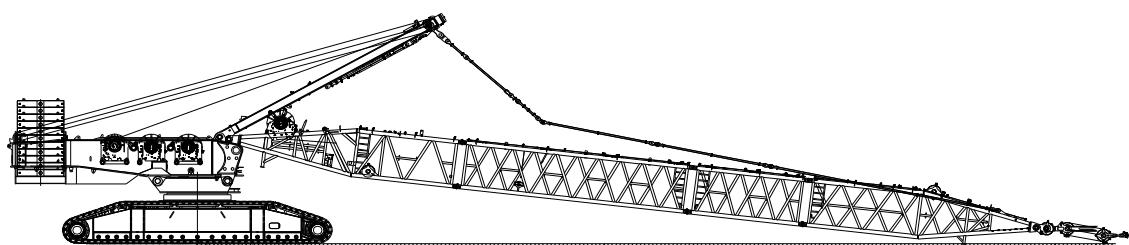
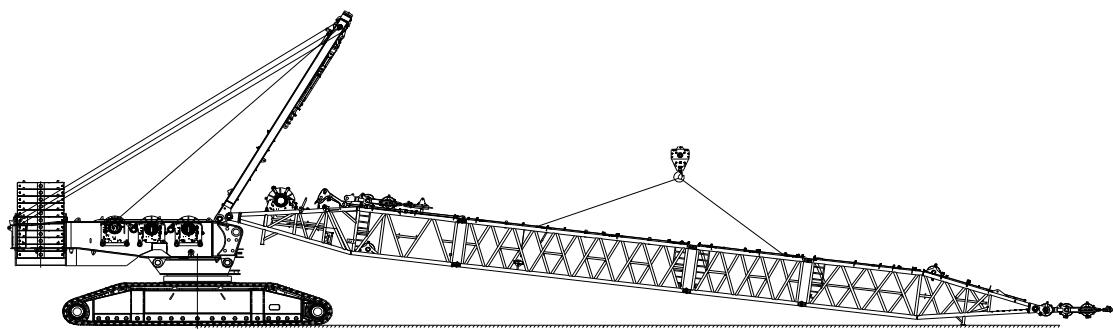
Assembly procedure

1. Boom assembly



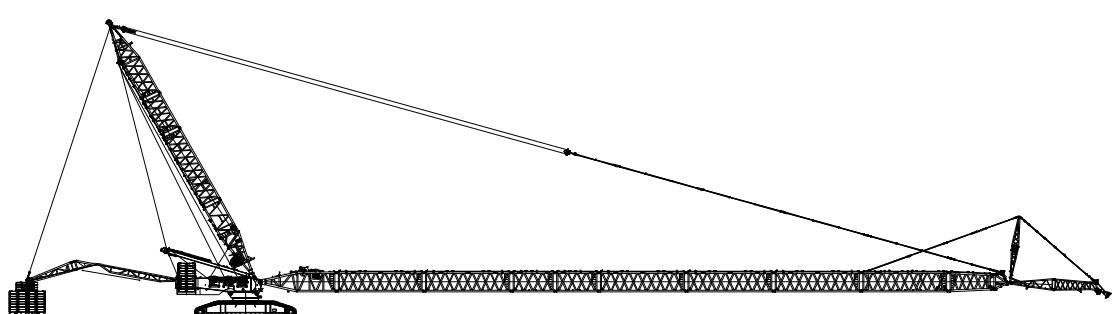
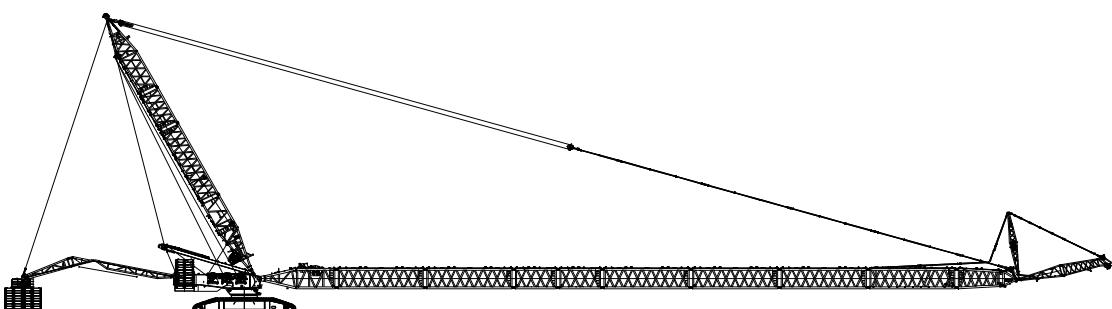
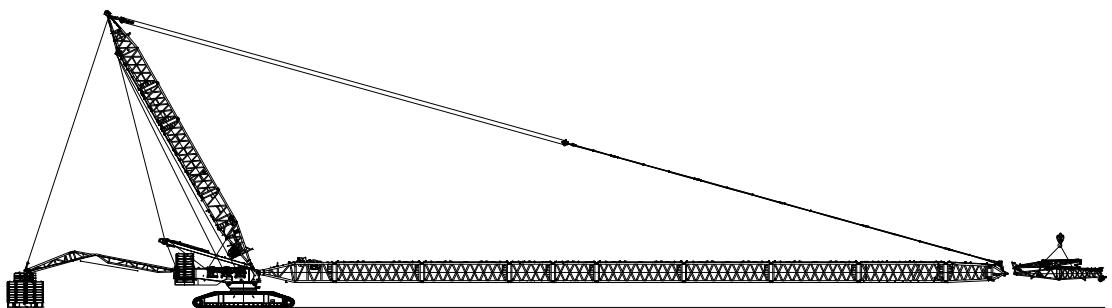
Assembly procedure

2. Superlift mast assembly



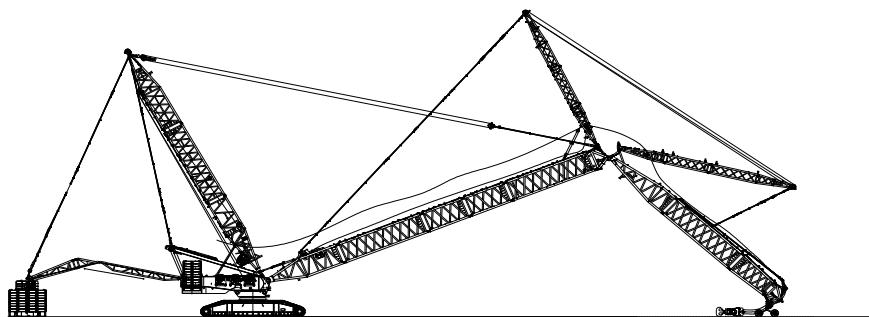
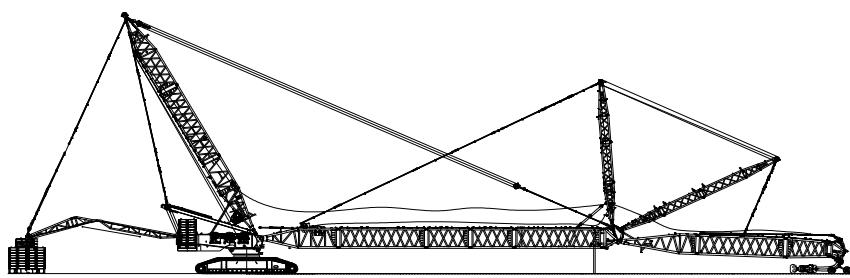
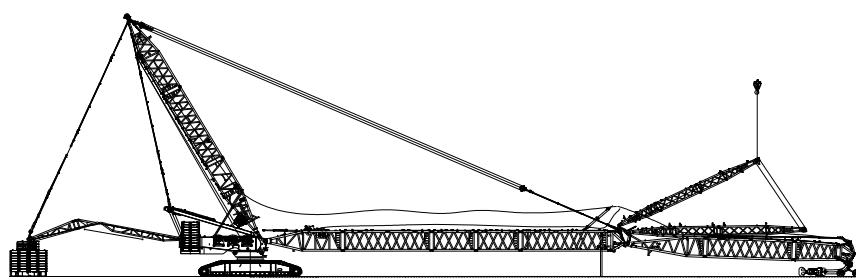
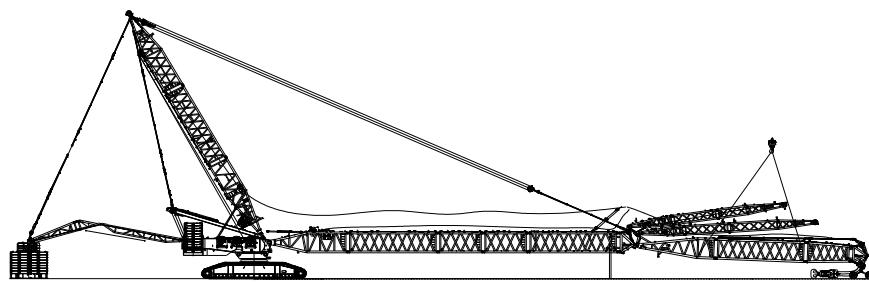
Assembly procedure

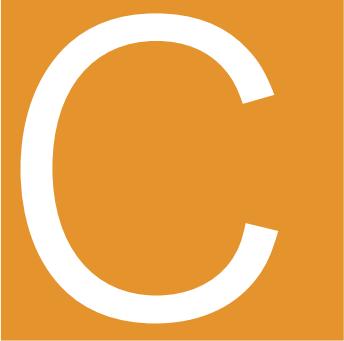
3. Fixed jib assembly



Assembly procedure

4. Luffing jib assembly





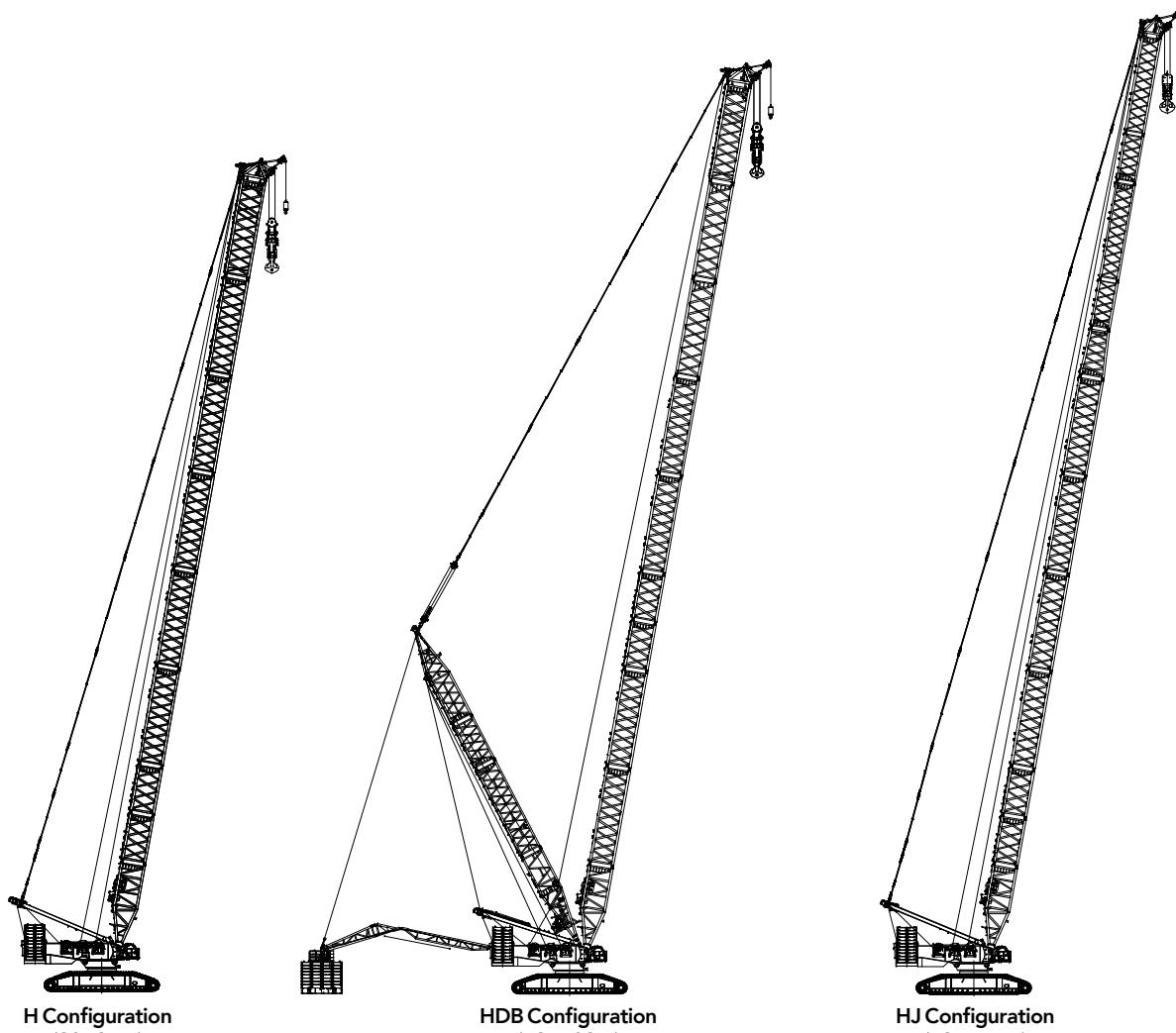
**SCC16000A
SANY CRAWLER CRANE
1600 TONS LIFTING CAPACITY**

QUALITY CHANGES THE WORLD

Configurations

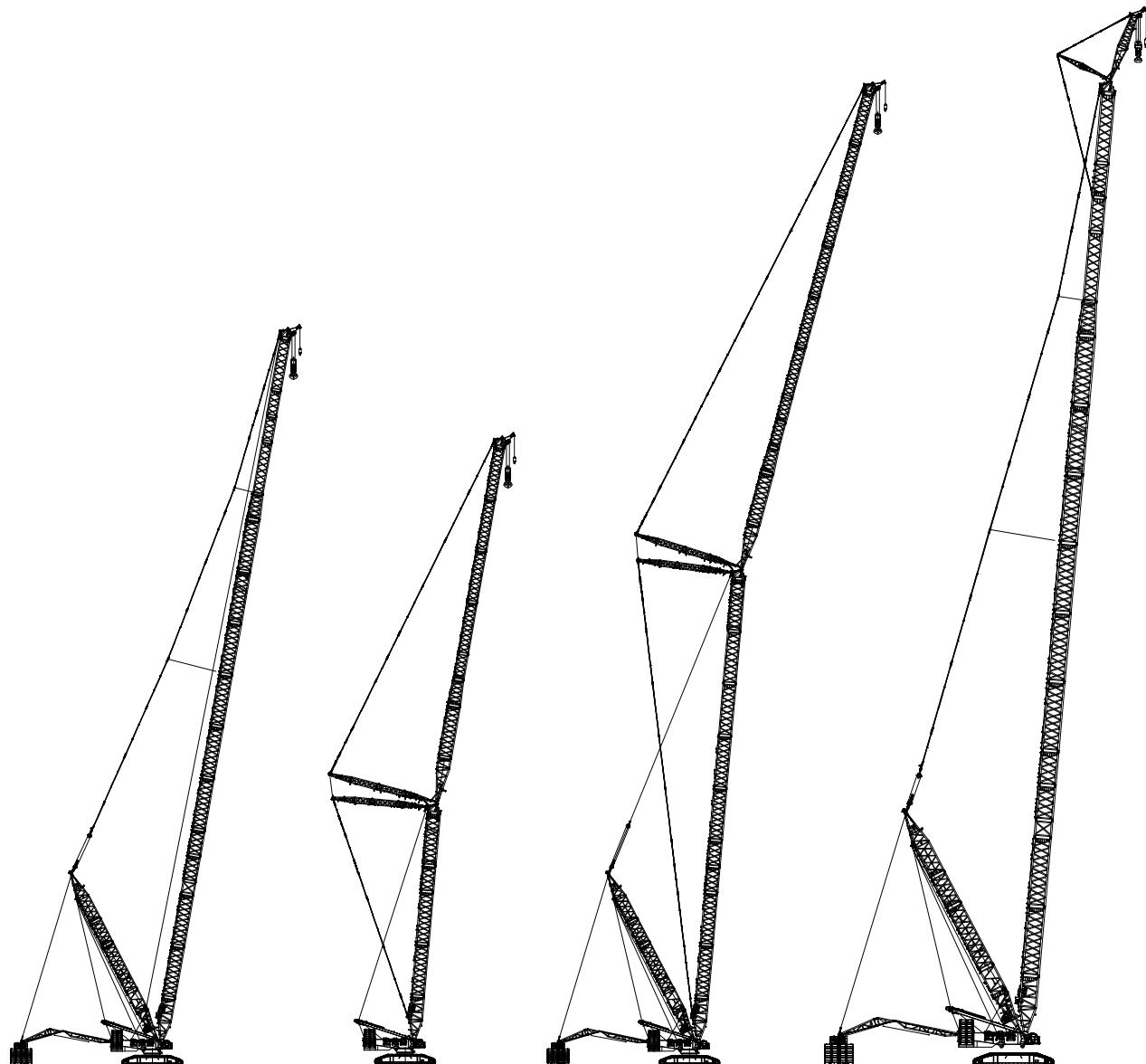
- Page 28 Configurations Combination
- Page 30 H Configuration
- Page 33 HDB Configuration
- Page 36 HJ Configuration
- Page 39 HJDB Configuration
- page 44 LJ Configuration
- page 49 LJDB Configuration
- page 62 HJFJDB Configuration

> 27

Combination**H Configuration**
(30~96m)**HDB Configuration**
(42~108m)**HJ Configuration**
(48~114m)

Configuration	Boom combination	Boom length
H	Boom	30m~96m
HDB	Boom + Superlift mast + Superlift counterweight	42m~108m
HJ	Mixed boom	48m~114m

Note: The schematics above are reference for loading only.

Combination**HJDB Configuration
(84~165m)****LJ Configuration
(42~54m+30~84m)****LJDB Configuration
(48~108m+30~114m)****HJFJDB Configuration
(102~165m)+12m**

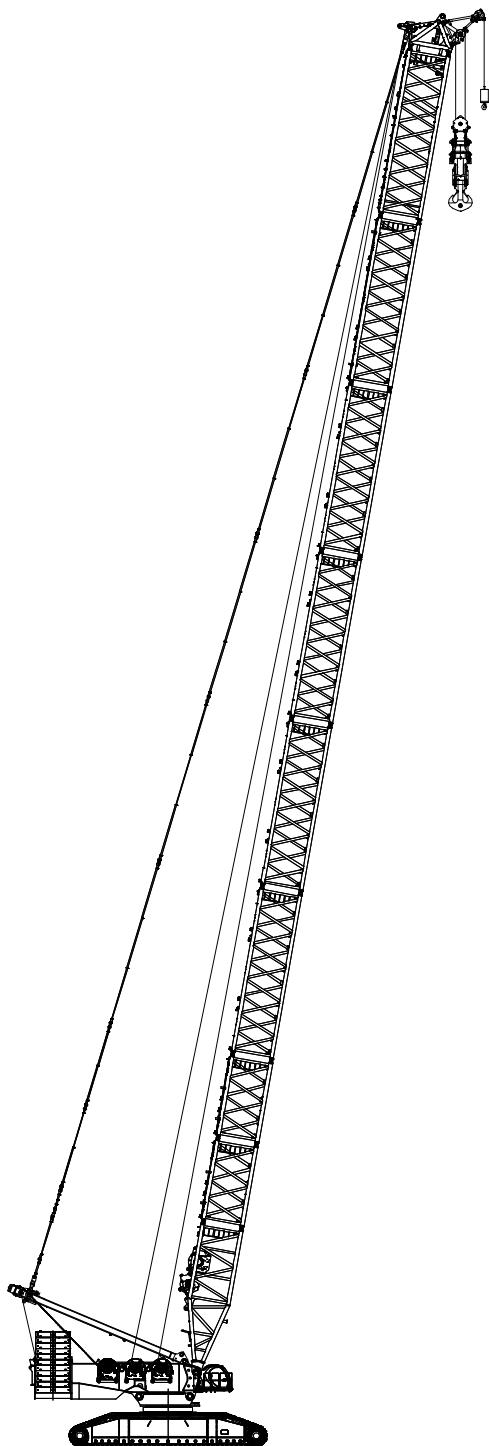
Configuration	Boom combination	Boom length
HJDB	Mixed boom + Superlift mast + Superlift counterweight	84m~165m
LJ	Boom + luffing jib	42m~54m+30m~84m
LJDB	Boom + luffing jib + Superlift mast + Superlift counterweight	48m~108m+30m~114m
HJFJDB	mixed boom +fixed jib +Superlift mast + Superlift counterweight	(102m~165m) +12m

Note: The schematics above are reference for loading only.

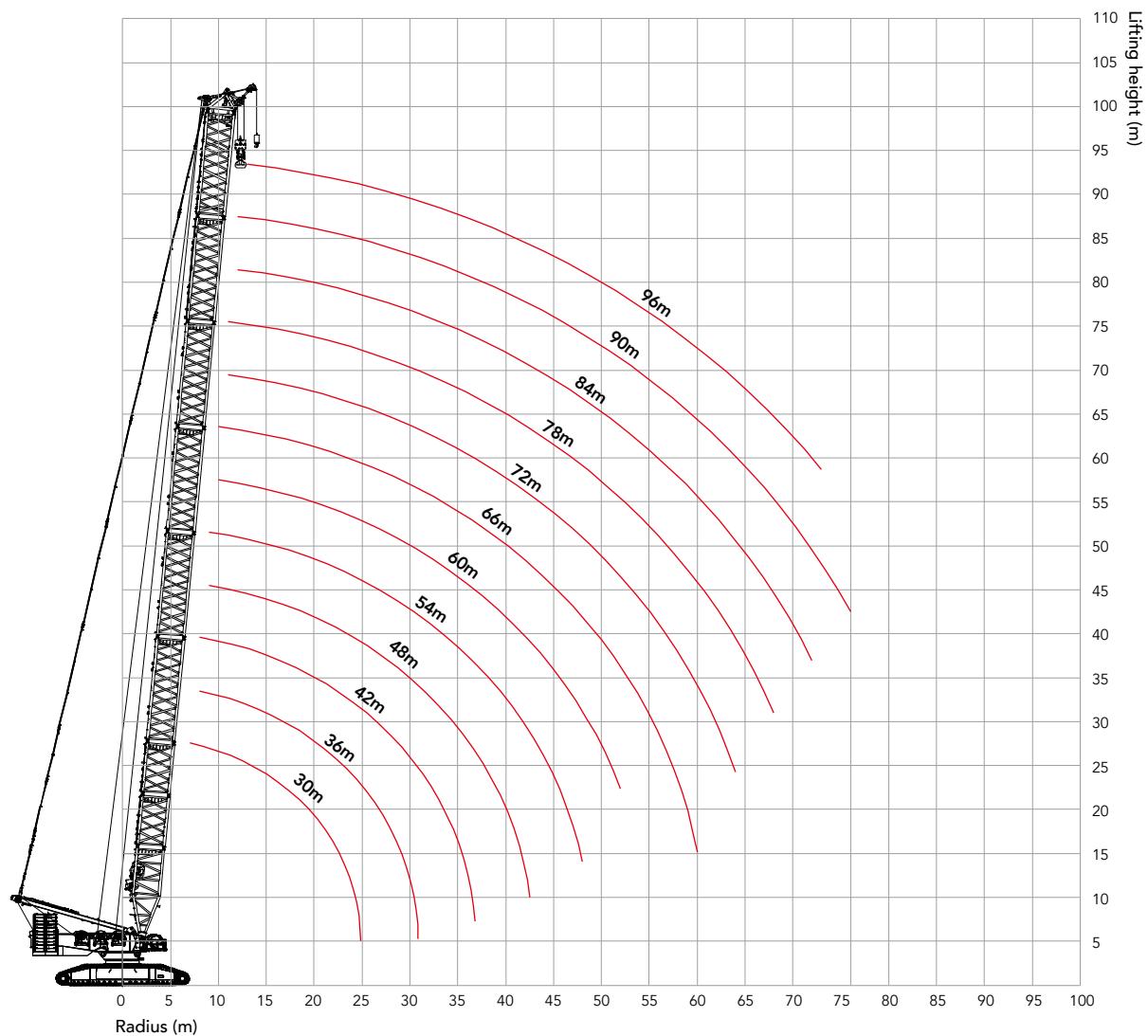
Boom combination in H**Boom combination in H Configuration**

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

Note: 24m basic boom consists of 10.5 boom base, 12m transitional insert and 1.5m boom top.



Combination of Working Conditions

Working range of H

Load chart of H Configuration

Note:

1. Meet the ISO4305 standard;
2. The superlift counterweight cannot leave the ground in the configurations marked with *;
3. The actual lifting capacity must subtract the weight of hooks, wire rope and other riggings from the rated capacity in the load chart.

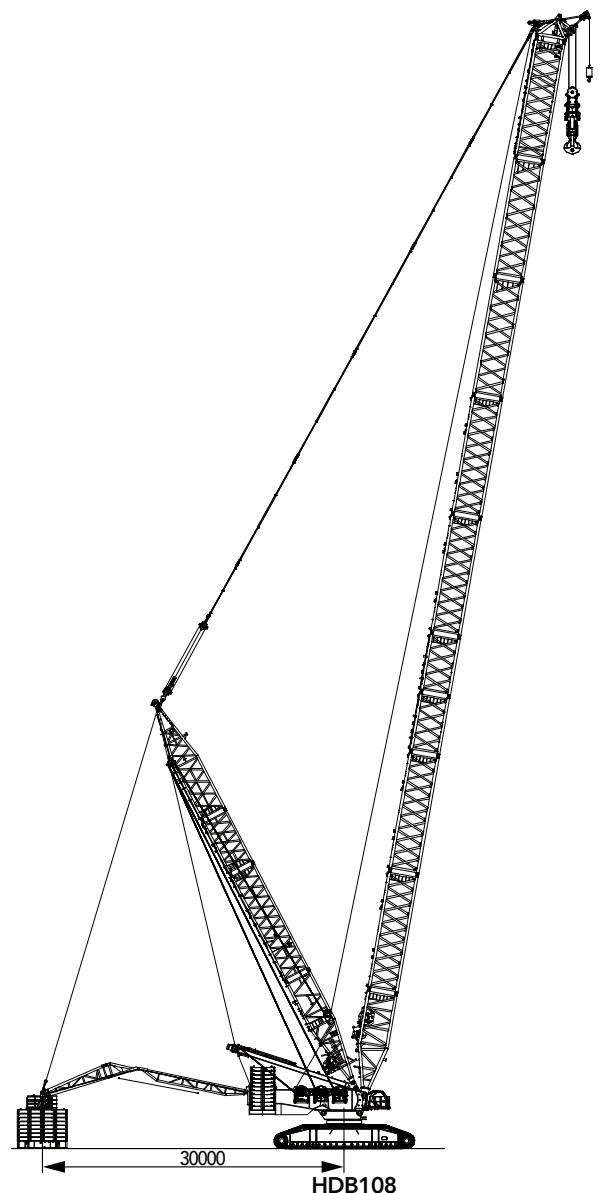
SCC16000A Crawler Crane - H Configuration													
BL/R (m)	Boom length 30~96m, Rear counterweight 250t, Carbody counterweight 90t												
	30	36	42	48	54	60	66	72	78	84	90	96	BL/R (m)
7	800												7
7.5	762	760											7.5
8	703	702	700										8
9	609	607	606	604	602								9
10	536	534	532	530	528	526	524						10
11	477	476	474	472	470	467	465	463	461				11
12	430	428	426	424	422	419	417	415	413	410	409		12
13	390	388	387	384	382	380	378	375	373	370	369	364	13
14	357	355	353	351	349	346	344	341	339	337	335	333	14
15	328	326	324	322	320	317	315	313	310	308	307	304	15
16	303	302	300	297	295	292	290	288	286	283	282	279	16
17	282	280	278	276	273	271	269	266	264	261	260	257	17
18	262	261	259	257	254	252	250	247	245	242	240	238	18
19	245	244	242	240	237	235	232	230	227	225	223	221	19
20	230	229	227	224	222	219	217	214	212	209	208	205	20
22	204	203	201	198	196	193	191	188	186	183	182	179	22
24	183	181	179	177	175	172	170	167	165	162	160	157	24
26	164	163	161	159	157	154	152	149	146	144	142	139	26
28	149	148	146	144	141	138	136	133	131	128	127	124	28
30		135	133	131	128	125	123	120	118	115	113	110	30
32		123	122	119	117	114	112	109	106	103	102	99.4	32
34		113	111	109	107	104	102	99.2	96.8	93.8	92.4	89.3	34
36			102	100	98.3	95.5	93.3	90.3	88.0	84.9	83.5	80.4	36
38				94.7	92.6	90.3	87.5	85.4	82.4	80.0	76.9	75.6	38
40					85.3	83.1	80.3	78.2	75.3	72.9	69.8	68.4	40
44						72.7	70.6	68.0	65.9	62.9	60.5	57.5	53.0
48							60.2	57.6	55.5	52.6	50.3	47.2	45.8
52								48.8	46.8	43.9	41.6	38.5	34.1
56									39.2	36.4	34.1	31.1	26.6
60									32.6	29.9	27.6	24.6	20.2
64										24.1	21.9	18.9	14.5
68											16.8	13.9	9.5
72											9.3	8.1	5.1
76												4.1	1.1
80												0.4	80

Combination of Working Conditions

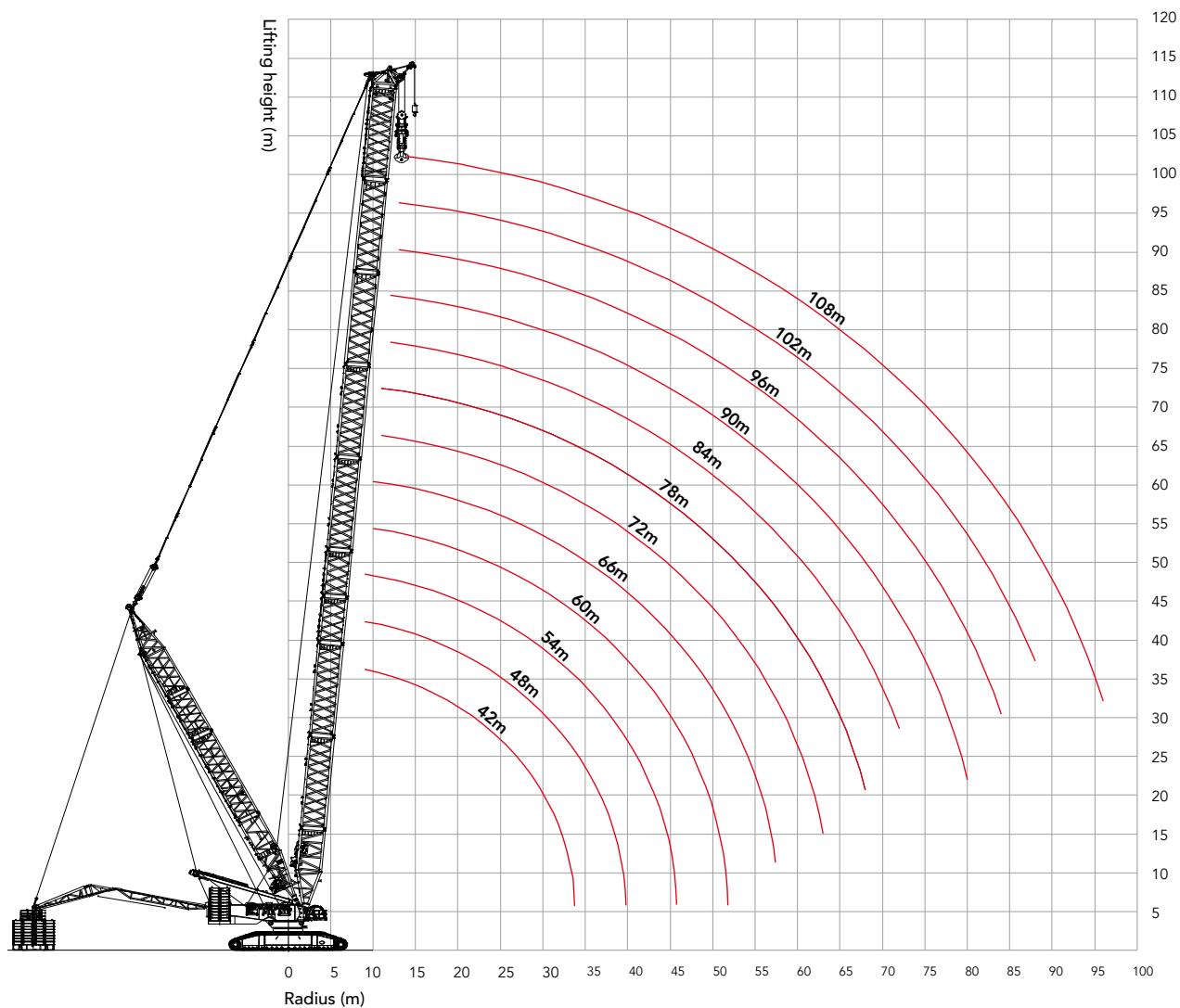
Boom combination in HDB**Boom combination in HDB Configuration**

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

Note: 10.5 boom base, 12m transitional insert and 1.5m boom top are must.



Working range of HDB



Unit: t

Load chart of HDB Configuration

Note:

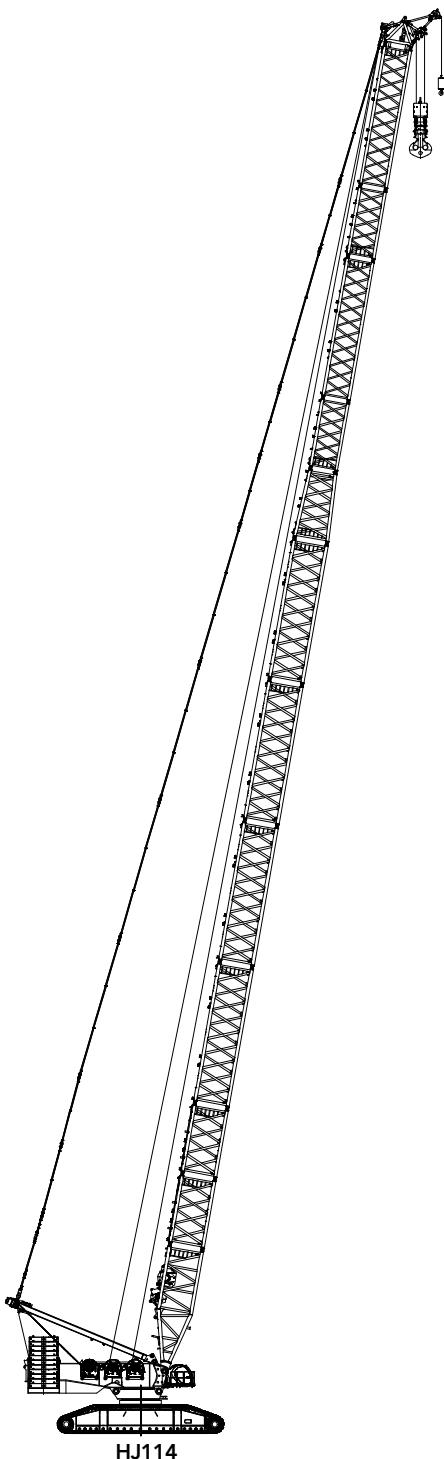
1. Meet the ISO4305 standard;
2. The superlift counterweight cannot leave the ground in the configurations marked with *;
3. The actual lifting capacity must subtract the weight of hooks, wire rope and other riggings from the rated capacity in the load chart.

SCC16000A Crawler Crane - HDB Configuration													
BL/R (m)	42	48	54	60	66	72	78	84	90	96	102	108	BL/R (m)
9	1600*	1600*	1600*										9
10	1600*	1600*	1600*	1440*	1280*								10
11	1530*	1520*	1520*	1440*	1280*	990*	880*						11
12	1469*	1423*	1400*	1400*	1280*	990*	880*	780*	695*				12
13	1450*	1410*	1380*	1349*	1250*	990*	880*	780*	695*	650*	590*		13
14	1350*	1340*	1333*	1310*	1200*	990*	880*	780*	695*	650*	590*	540*	14
15	1260*	1255*	1250*	1235*	1150*	990*	880*	780*	695*	650*	590*	540*	15
16	1187*	1175*	1155*	1150*	1050*	990*	880*	780*	695*	650*	590*	540*	16
17	1115*	1110*	1085*	1070*	1000*	960*	880*	780*	695*	650*	590*	540*	17
18	1056	1045	1033*	1020*	950*	940*	880*	780*	695*	650*	590*	540*	18
19	1000	995	983	975	910	900	860	780*	695*	650*	590*	540*	19
20	950	945	932	924	899	870	840	780*	695*	650*	590*	540*	20
22	860	853	845	838	827	815	777	750	695*	650*	590*	540*	22
24	790	785	776	765	754	745	738	726	670	640*	590*	540*	24
26	730	725	720	717	708	705	700	690	660	620	585*	540*	26
28	675	670	665	652	643	638	629	618	616	610	582*	540*	28
30	630	628	625	618	615	605	603	595	590	585	570	540*	30
32	601	598	596	593	591	589	587	584	583	580	578	540	32
34	550	548	545	536	532	528	520	516	510	508	505	500	34
36	527	524	522	520	518	515	513	510	509	506	503	495	36
38	495	493	491	489	487	484	482	479	478	475	474	471	38
40		466	464	461	459	456	454	452	451	448	446	443	40
44		418	416	414	411	409	407	404	403	400	399	396	44
48			376	374	372	369	367	364	363	360	359	356	48
52				341	339	336	334	331	330	327	326	323	52
56					310	307	305	303	301	299	297	294	56
60					285	283	281	278	277	274	273	270	60
64						261	259	256	255	252	251	248	64
68							240	237	236	233	232	229	68
72								220	219	216	215	212	72
76									204	201	200	197	76
80									190	188	186	183	80
84										175	174	171	84
88											163	160	88
92											150	92	
96											140	96	

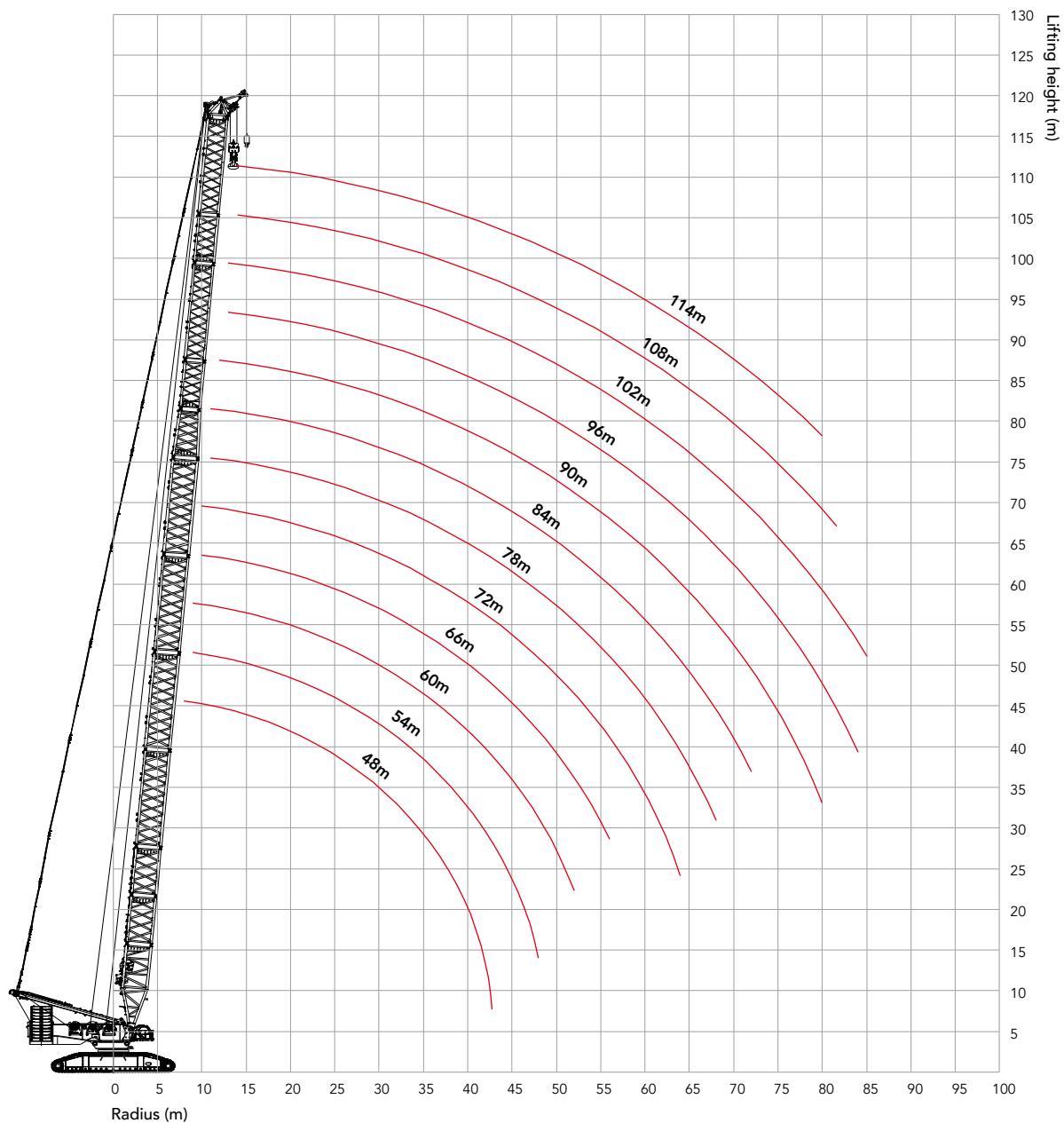
Boom combination in HJ

Boom length (m)	Boom insert			Jib insert	
	6m	12mA	12mB	6m	12mA
48	-	1	-	1	1
54	1	1	-	1	1
60	2	1	-	1	1
66	1	2	-	1	1
72	2	2	-	1	1
78	1	2	1	1	1
84	2	2	1	1	1
90	1	2	2	1	1
96	2	2	2	1	1
102	1	2	2	1	1
108	2	2	2	1	2
114	2	2	2	2	2

Note: 10.5 boom base, 6m tapered insert and 1.5m jib top are must.



Combination of Working Conditions

Working range of HJ

Load chart of HJ Configuration

Note:

1. Meet the ISO4305 standard;
2. The superlift counterweight cannot leave the ground in the configurations marked with *;
3. The actual lifting capacity must subtract the weight of hooks, wire rope and other riggings from the rated capacity in the load chart.

SCC16000A Crawler Crane - HJ Configuration													
BL/R (m)	Boom length 48~114m, Rear counterweight 250t, Carbody counterweight 90t												
	48	54	60	66	72	78	84	90	96	102	108	114	BL/R (m)
8	650												8
9	614	612	609										9
10	541	539	536	534	532								10
11	483	481	478	476	474	472	469						11
12	435	433	431	428	426	424	421	419					12
13	396	394	391	389	386	384	382	380	377	366			13
14	363	360	358	356	353	351	348	346	343	341	328	318	14
15	334	332	330	327	324	322	320	317	315	316	306	297	15
16	310	307	305	302	300	298	295	293	290	291	287	278	16
17	288	286	283	281	278	276	273	271	268	269	267	262	17
18	269	267	264	262	259	257	254	252	249	250	247	246	18
19	252	250	247	245	242	240	237	235	232	233	231	229	19
20	237	235	232	230	227	225	222	220	217	218	215	214	20
22	212	209	207	204	201	199	196	194	191	192	189	188	22
24	190	188	185	183	180	178	175	172	169	171	168	167	24
26	172	170	167	165	162	160	157	154	151	153	150	149	26
28	157	155	152	150	147	144	142	139	136	137	135	133	28
30	144	142	139	137	134	131	128	126	123	124	121	120	30
32	133	131	128	125	122	120	117	115	112	113	110	108	32
34	123	121	118	115	113	110	107	105	102	103	100	98.9	34
36	114	112	109	107	104	101	98.8	96.3	93.2	94.5	91.5	90.1	36
38	106	104	101	99.2	96.3	93.9	90.9	88.4	85.4	86.6	83.6	82.2	38
40	99.6	97.3	94.7	92.1	89.2	86.9	83.9	81.4	78.3	79.6	76.5	75.1	40
44	87.1	84.9	82.4	79.8	77.0	74.7	71.6	69.2	66.1	67.3	64.3	62.9	44
48		74.6	72.1	69.6	66.8	64.5	61.5	59.0	55.9	57.2	54.1	52.7	48
52			63.4	61.0	58.2	55.9	52.9	50.4	47.3	48.6	45.6	44.1	52
56				53.5	50.7	48.5	45.5	43.0	39.9	41.3	38.2	36.8	56
60					44.3	42.1	39.1	36.6	33.6	34.9	31.8	30.4	60
64						38.6	36.4	33.5	31.0	28.0	29.3	26.3	64
68							31.4	28.5	26.1	23.0	24.4	21.3	68
72								24.0	21.6	18.6	20.0	16.9	72
76									17.7	14.7	16.0	13.0	11.6
80									14.1	11.1	12.5	9.5	8.0
84										7.8	9.2	6.2	4.8
88										6.3	3.3	1.9	88
92										0.6			92

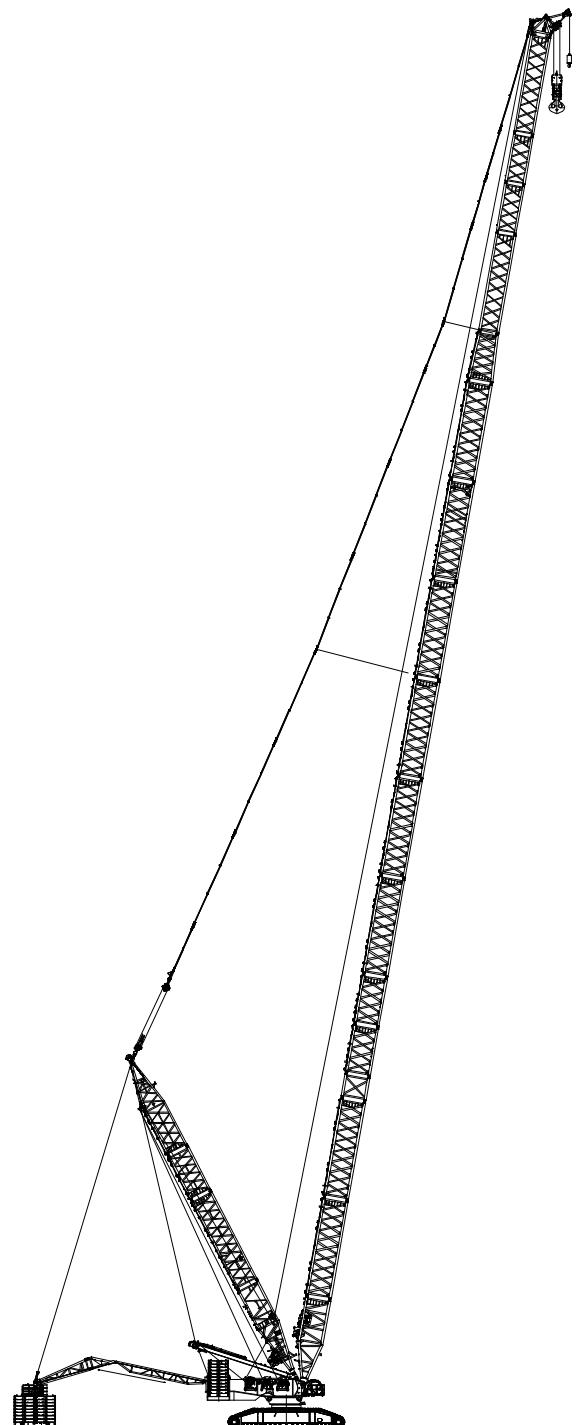
Combination of Working Conditions

Boom combination in HJDB

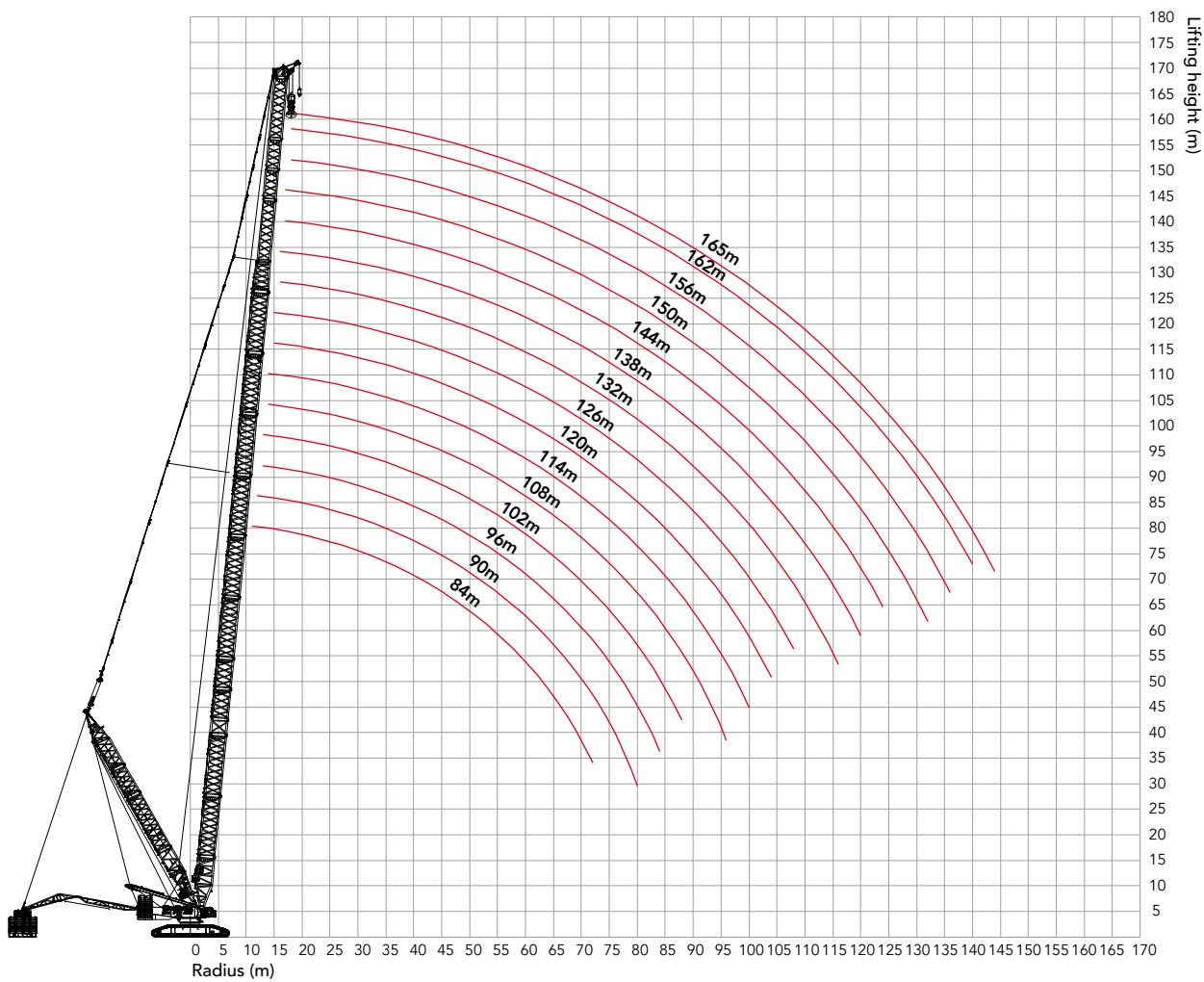
Boom length (m)	Boom insert							Jib insert	
	3m	6m	12mA	12mB	12mC	12mD	H4	6m	12mA
84	-	1	2	2	1	-	-	-	-
90	-	2	2	2	1	-	-	-	-
96	-	1	2	2	2	-	-	-	-
102	-	2	2	2	1	-	1	-	-
108	-	1	2	2	2	-	1	-	-
114	-	2	2	2	1	-	1	-	-
120	-	1	2	2	2	1	1	-	-
126	-	2	2	2	2	1	1	-	-
132	-	2	2	2	2	1	1	1	-
138	-	2	2	2	2	1	1	-	1
144	-	2	2	2	2	1	1	1	1
150	-	2	2	2	2	1	1	2	1
156	-	2	2	2	2	1	1	1	2
162	-	2	2	2	2	1	1	2	2
165	1	2	2	2	2	1	1	2	2

Note: 10.5 boom base, 6m tapered insert and 1.5m jib top are must.

For boom length of 138m~156m, the mid-point suspension cable must be used, otherwise, the boom system may break.



Working range of HJDB



Combination of Working Conditions

Unit: t

Load chart of HJDB Configuration

Note:

1. Meet the ISO4305 standard;
2. The superlift counterweight cannot leave the ground in the configurations marked with *;
3. The actual lifting capacity must subtract the weight of hooks, wire rope and other riggings from the rated capacity in the load chart.

SCC16000A Crawler Crane - HJDB Configuration																		
BL/R (m)	84	90	96	102	108	114	120	126	132	138	144	150	156	162	165	BL/R (m)		
11	654															11		
12	654	615														12		
13	654	615	575	535												13		
14	654	615	575	535	495	455										14		
15	654	615	575	535	495	455	419	378								15		
16	654	615	575	535	495	455	419	380	338	303						16		
17	654	615	575	535	495	479	419	380	339	303	271	243				17		
18	654	615	575	535	495	479	418	379	339	305	272	243	220	195		18		
19	654	615	575	535	495	479	420	379	338	305	272	244	219	195	187	19		
20	654	615	575	535	495	481	420	380	339	304	273	244	219	194	186	20		
22	654	615	575	535	495	480	421	381	340	306	273	244	219	193	185	22		
24	693	615	575	535	495	481	421	380	340	305	273	245	219	192	184	24		
26	693	615	575	535	495	482	422	380	340	306	274	245	218	191	183	26		
28	672	615	575	535	495	483	421	380	340	306	273	244	217	190	182	28		
30	635	632	575	535	535	483	421	380	340	305	273	244	216	189	181	30		
32	591	587	586	575	535	483	421	380	339	306	274	243	214	187	180	32		
34	552	548	547	542	535	483	421	380	339	306	274	241	213	186	178	34		
36	517	514	512	508	506	481	420	379	338	306	274	240	212	185	177	36		
38	486	483	482	477	476	473	420	381	335	306	272	239	210	183	176	38		
40	459	455	454	449	448	445	419	380	333	306	271	237	209	182	175	40		
44	411	408	406	402	400	397	397	374	328	304	268	235	206	179	172	44		
48	372	368	367	362	361	358	357	354	322	301	265	232	203	176	169	48		
52	338	335	334	329	327	324	324	321	316	297	261	229	200	173	167	52		
56	310	306	305	300	299	296	296	293	291	291	258	225	197	170	164	56		
60	285	282	280	276	274	271	271	268	267	267	254	222	194	167	161	60		
64	264	260	259	254	253	250	250	246	245	245	243	219	191	164	158	64		
68	245	241	240	235	234	231	231	228	226	226	224	215	188	161	156	68		
72	228	224	223	218	217	214	214	211	209	210	208	207	184	158	153	72		
76		209	208	203	202	199	199	196	194	194	193	192	181	155	151	76		
80		195	194	190	188	185	185	182	181	181	179	178	178	153	148	80		
84			182	177	176	173	173	170	169	169	167	166	166	150	145	84		
88				166	165	162	162	159	157	158	156	155	154	147	143	88		
92					155	152	152	149	147	147	146	145	144	143	140	92		
96					145	142	142	139	138	138	136	135	135	133	132	96		
100						134	134	131	129	130	128	127	126	125	123	100		
104							126	123	121	122	120	119	119	117	115	104		
108								115	114	114	112	111	111	110	108	108		
112									107	107	106	105	104	103	101	112		
116										101	101	99.7	98.8	98.6	97	95.3	116	
120											95.6	93.7	92.8	92.7	91.1	89.4	120	
124												88.1	87.3	87.1	85.5	83.8	124	
128													82	81.9	80.3	78.6	128	
132														77.1	77	75.4	73.7	132
136															72.3	70.8	69.1	136
140																66.4	64.8	140
144																	60.6	144

Load chart of HJDB Configuration

Note:

1. Meet the ISO4305 standard;
2. The superlift counterweight cannot leave the ground in the configurations marked with *;
3. The actual lifting capacity must subtract the weight of hooks, wire rope and other riggings from the rated capacity in the load chart.

SCC16000A Crawler Crane - Load Chart of HJDB Configuration																
BL/R (m)	84	90	96	102	108	114	120	126	132	138	144	150	156	162	165	BL/R (m)
11	530															11
12	472	469														12
13	424	421	421	417												13
14	384	381	381	377	376	373										14
15	351	348	347	343	342	339	339	333								15
16	322	319	318	314	313	310	310	307	304	297						16
17	297	294	293	288	287	284	285	282	281	280	271	243				17
18	275	272	271	266	265	262	262	259	258	259	256	243	220	195		18
19	256	253	252	247	246	243	243	240	239	239	237	237	219	195	187	19
20	239	235	234	230	228	225	225	222	221	222	220	219	219	194	186	20
22	210	206	205	200	199	196	196	193	192	192	190	189	189	188	185	22
24	186	182	181	176	175	172	172	168	167	167	166	165	165	163	161	24
26	166	162	161	156	155	152	151	148	147	147	145	144	144	143	141	26
28	149	146	144	139	138	134	134	131	130	130	128	127	127	125	123	28
30	135	131	130	125	123	120	120	116	115	115	113	112	112	110	109	30
32	122	118	117	112	110	107	107	104	102	102	100	99.9	99.7	98.0	96.2	32
34	121	107	106	101	99.9	96.5	96.3	92.9	91.6	91.7	89.6	88.7	88.5	86.7	84.9	34
36	111	107	96.9	91.7	90.1	86.7	86.4	83.1	81.7	81.8	79.7	78.7	78.5	76.8	74.9	36
38	102	98.4	97.1	83.0	81.4	78.0	77.7	74.3	72.9	73.1	70.9	69.9	69.7	68.0	66.1	38
40	94.0	90.1	88.8	83.7	73.6	70.2	69.9	66.5	65.1	65.2	63.1	62.0	61.8	60.0	58.2	40
44	79.8	75.9	74.5	69.4	67.8	64.4	56.5	53.0	51.6	51.7	49.5	48.5	48.2	46.5	44.6	44

SCC16000A Crawler Crane - Load Chart of HJDB Configuration																
BL/R (m)	84	90	96	102	108	114	120	126	132	138	144	150	156	162	165	BL/R (m)
11	654*															11
12	654*	615*														12
13	654*	615*	575*	535*												13
14	654*	615*	575*	535*	495*	455*										14
15	654	615*	575*	535*	495*	455*	419*	378*								15
16	654	615	575*	535*	495*	455*	419*	380*	338*	303*						16
17	654	615	575	535*	495*	479*	419*	380*	339*	303*	271*	243*				17
18	654	615	575	535	495*	479*	418*	379*	339*	305*	272*	243*	220*	195*		18
19	645	615	575	535	495	479	420*	379*	338*	305*	272*	244*	219*	195*	187*	19
20	608	605	575	535	495	481	420*	380*	339*	304*	273*	244*	219*	194*	186*	20
22	545	542	541	535	495	480	421	381	340*	306*	273*	244*	219*	193*	185*	22
24	493	490	489	484	483	480	421	380	340	305*	273*	245*	219*	192*	184*	24
26	449	446	445	440	439	436	422	380	340	306	274*	245*	218*	191*	183*	26
28	412	409	408	403	402	399	399	380	340	306	273	244*	217*	190*	182*	28
30	380	377	376	371	370	367	366	363	340	305	273	244*	216*	189*	181*	30
32	352	349	348	343	342	339	338	335	334	306	274	243	214*	187*	180*	32
34	328	324	323	319	317	314	314	311	310	306	274	241	213	186*	178*	34
36	306	303	301	297	295	292	292	289	288	288	274	240	212	185*	177*	36
38	287	283	282	278	276	273	273	270	268	269	267	239	210	183	176	38
40	269	266	265	260	259	256	255	252	251	251	249	237	209	182	175	40
44	239	236	235	230	229	226	225	222	221	221	219	218	206	179	172	44

Combination of Working Conditions

Unit: t

Load chart of HJDB Configuration

Note:

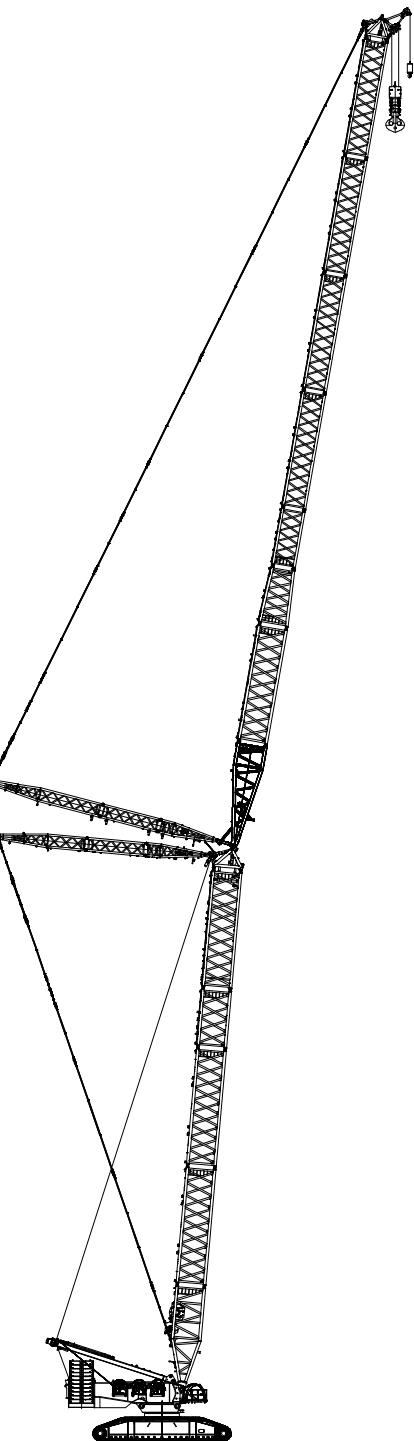
1. Meet the ISO4305 standard;
2. The superlift counterweight cannot leave the ground in the configurations marked with *;
3. The actual lifting capacity must subtract the weight of hooks, wire rope and other riggings from the rated capacity in the load chart.

SCC16000A Crawler Crane - Load Chart of HJDB Configuration																
BL/R (m)	84	90	96	102	108	114	120	126	132	138	144	150	156	162	165	BL/R (m)
11	654															11
12	654	615														12
13	654	615	575	535												13
14	654	615	575	535	495	455										14
15	612	608	575	535	495	455	419	378								15
16	567	564	563	535	495	455	419	380	338	303						16
17	528	525	524	520	495	479	419	380	339	303	271	243*				17
18	494	491	490	485	484	479	418	379	339	305	272	243	220*	195*		18
19	464	460	459	455	454	451	420	379	338	305	272	244	219	195*	187*	19
20	436	433	432	428	426	424	420	380	339	304	273	244	219	194	186*	20
22	390	387	385	381	380	377	377	374	340	306	273	244	219	193	185	22
24	351	348	347	343	341	338	338	335	334	305	273	245	219	192	184	24
26	319	316	315	310	309	306	306	303	301	302	274	245	218	191	183	26
28	292	288	287	283	281	278	278	275	274	274	272	244	217	190	182	28
30	268	265	263	259	258	255	254	251	250	250	248	244	216	189	181	30
32	247	244	243	238	237	234	234	231	229	229	228	227	214	187	180	32
34	229	226	225	220	219	216	215	212	211	211	209	208	208	186	178	34
36	213	210	209	204	203	200	199	196	195	195	193	192	192	185	177	36
38	199	196	194	190	188	185	185	182	181	181	179	178	178	176	174	38
40	186	183	181	177	175	172	172	169	168	168	166	165	165	163	161	40
44	164	161	159	155	153	150	150	147	146	146	144	143	143	141	139	44

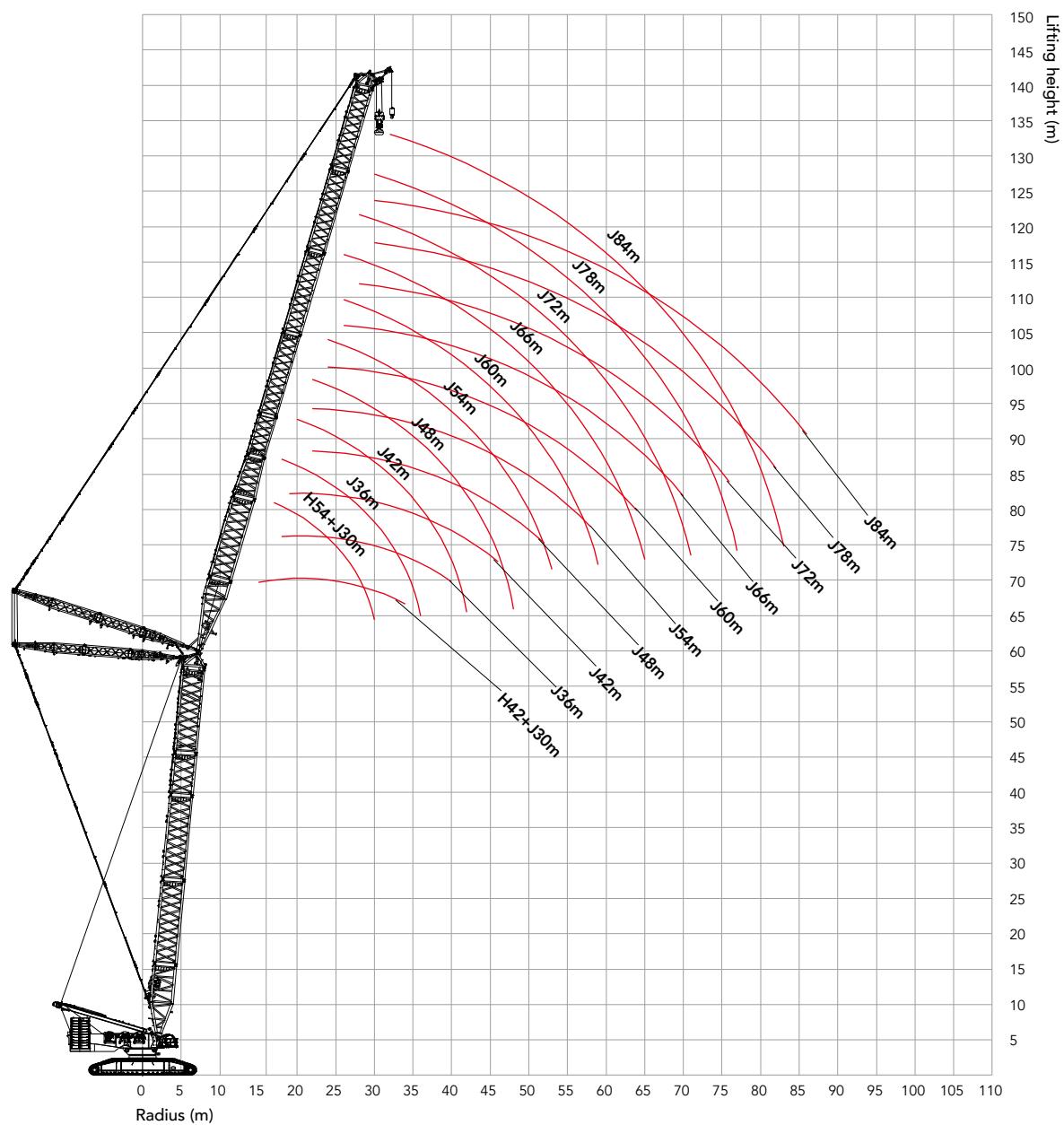
Boom combination in LJ**Boom combination in LJ Configuration**

Boom length(m)	boom insert				jib insert			
	6m	12m A	12m B	12m C	12m D	6m	12mA	12mB
30	-	-	-	-	1	-	-	-
36	-	-	-	-	1	1	-	-
42	1	1	-	-	1	-	1	-
48	2	1	-	-	1	1	1	-
54	1	2	-	-	1	-	2	-
60	-	-	-	-	1	1	2	-
66	-	-	-	-	1	-	2	1
72	-	-	-	-	1	1	2	1
78	-	-	-	-	1	-	2	2
84	-	-	-	-	1	1	2	2

Note: boom base, 12m transition insert and boom top are must;
the luffing jib base, 6m jib tapered insert and jib top are must.



Combination of Working Conditions

Working range of LJ

Load chart of LJ Configuration

Note:

1. Meet the ISO4305 standard;
2. The superlift counterweight cannot leave the ground in the configurations marked with *;
3. The actual lifting capacity must subtract the weight of hooks, wire rope and other riggings from the rated capacity in the load chart.

SCC16000A Crawler Crane - LJ Configuration 1/3											
BL/R (m)	30	36	42	48	54	60	66	72	78	84	BL/R (m)
16	327										16
17	305										17
18	286	284									18
19	268	267	266								19
20	253	251	250								20
22	227	225	224	222	221						22
24	205	204	203	201	200	198					24
26	187	185	185	183	182	180	179				26
28	171	170	169	167	166	164	164	162			28
30	157	156	156	154	153	151	150	148	148	145	30
32	145	145	144	142	142	140	139	137	136	134	32
34	135	134	134	132	131	129	129	127	126	124	34
36		125	125	123	122	120	120	118	117	115	36
38		117	117	115	114	112	112	110	109	107	38
40		109	109	108	107	105	104	103	102	100	40
42			102	101	101	99.1	98.4	96.5	95.7	93.7	42
44			96.7	95.6	95.0	93.2	92.5	90.6	89.8	87.8	44
46			90.9	90.1	89.5	87.8	87.1	85.2	84.5	82.5	46
48				85.0	84.6	82.8	82.2	80.3	79.5	77.6	48
50				80.2	80.0	78.3	77.7	75.7	75.0	73.0	50
52				75.7	75.7	74.1	73.5	71.6	70.9	68.9	52
54					71.7	70.2	69.6	67.8	67.1	65.1	54
56					67.9	66.5	66.0	64.2	63.5	61.5	56
58					64.3	63.1	62.7	60.8	60.2	58.2	58
60						59.8	59.5	57.7	57.1	55.1	60
62						56.7	56.5	54.8	54.2	52.3	62
64						53.7	53.7	52.0	51.4	49.5	64
66							51.0	49.4	48.8	47.0	66
68							48.4	46.9	46.4	44.6	68
70							45.9	44.6	44.1	42.3	70
72								42.3	41.9	40.1	72
74								40.1	39.8	38.1	74
76								38.0	37.8	36.1	76
78									35.9	34.2	78
80									34.0	32.4	80
82									32.1	30.7	82
84									29.0	28.4	
86									27.4	26.6	

Combination of Working Conditions

Unit: t

Load chart of LJ Configuration

SCC16000A Crawler Crane - LJ Configuration 2/3											
BL/R (m)	30	36	42	48	54	60	66	72	78	84	BL/R (m)
17	302										17
18	283	281									18
19	266	264									19
20	251	249	248								20
22	225	223	222	220							22
24	203	201	201	199	198	195					24
26	185	183	183	181	180	178	177				26
28	169	168	167	165	164	162	162	159			28
30	156	155	154	152	151	149	148	146	146		30
32	144	143	143	141	140	138	137	135	134	132	32
34	133	133	132	131	130	128	127	125	124	122	34
36	123	124	123	122	121	119	118	116	115	113	36
38		115	115	114	113	111	110	108	107	105	38
40		108	108	106	106	104	103	101	100	98.7	40
42			101	100	99.7	97.8	97.1	95.1	94.3	92.3	42
44			95.6	94.4	93.8	91.9	91.2	89.3	88.5	86.5	44
46			89.9	89.0	88.4	86.6	85.9	83.9	83.2	81.2	46
48				83.9	83.4	81.7	81.0	79.1	78.3	76.3	48
50				79.2	78.9	77.1	76.5	74.6	73.9	71.9	50
52				74.8	74.6	73.0	72.4	70.5	69.7	67.7	52
54					70.7	69.1	68.6	66.7	65.9	63.9	54
56					67.0	65.5	65.0	63.1	62.4	60.4	56
58					63.4	62.1	61.7	59.8	59.1	57.2	58
60						58.9	58.5	56.7	56.1	54.1	60
62						55.9	55.6	53.8	53.2	51.3	62
64						52.9	52.8	51.1	50.5	48.6	64
66							50.2	48.5	47.9	46.0	66
68							47.6	46.1	45.5	43.7	68
70							45.2	43.8	43.3	41.4	70
72								41.5	41.1	39.3	72
74								39.4	39.0	37.2	74
76								37.3	37.0	35.3	76
78									35.1	33.4	78
80									33.3	31.7	80
82									31.5	30.0	82
84										28.3	84
86										26.7	86
88										25.1	88

Load chart of LJ Configuration**SCC16000A Crawler Crane - LJ Configuration 3/3**

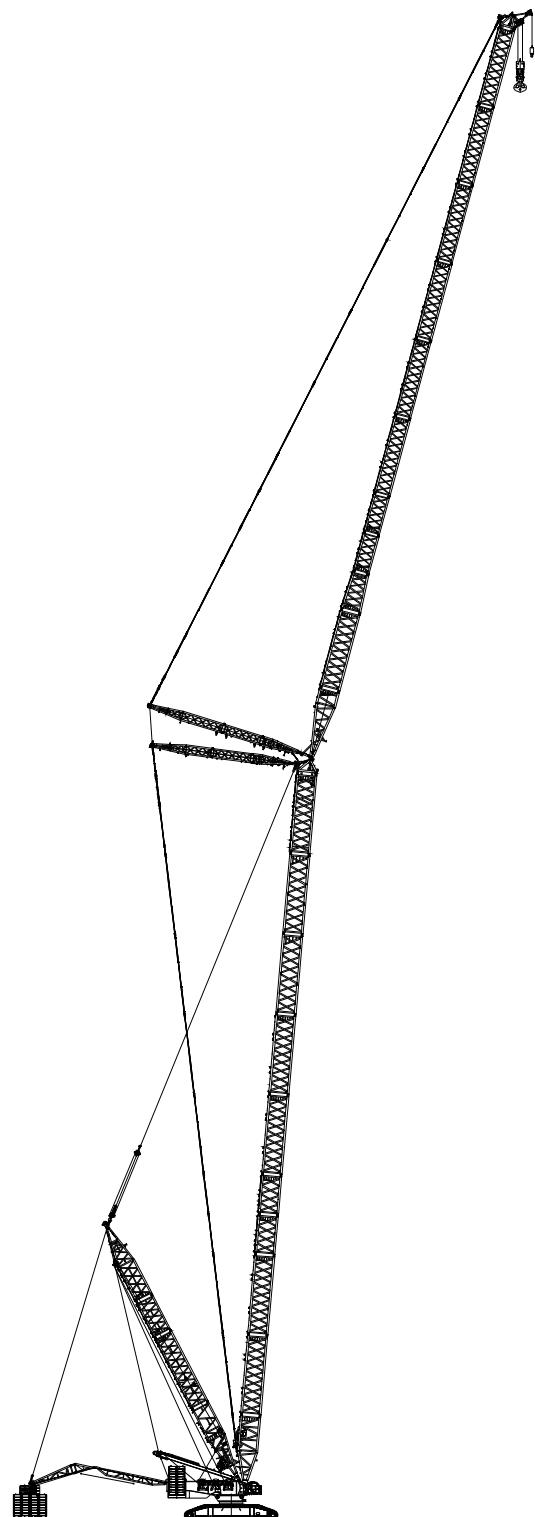
BL/R (m)	Boom length 54m, Boom angle 85°, Jib length 30-84m, Rear counterweight 250t, Cabbody counterweight 90t.										
	30	36	42	48	54	60	66	72	78	84	BL/R (m)
17	299										17
18	280										18
19	263	261									19
20	248	246	245								20
22	222	220	219	217							22
24	201	199	198	196	195						24
26	183	181	181	178	177	175	174				26
28	168	166	165	163	162	160	159	157			28
30	154	153	152	150	149	147	146	144	143		30
32	143	142	141	139	138	136	135	133	132	130	32
34	132	131	131	129	128	126	125	123	122	120	34
36	122	122	122	120	119	117	117	114	114	111	36
38		114	114	112	111	109	109	107	106	104	38
40		107	107	105	104	102	102	100	99.2	97.1	40
42		100	100	99.1	98.4	96.4	95.7	93.7	92.9	90.8	42
44			94.5	93.2	92.5	90.6	89.9	87.9	87.1	85.0	44
46			88.9	87.8	87.2	85.3	84.7	82.7	81.9	79.8	46
48			83.5	82.8	82.3	80.5	79.8	77.8	77.1	75.0	48
50				78.2	77.8	76.0	75.4	73.4	72.7	70.6	50
52				73.8	73.6	71.9	71.3	69.3	68.6	66.6	52
54				69.6	69.7	68.0	67.5	65.5	64.8	62.8	54
56					66.0	64.5	63.9	62.0	61.3	59.3	56
58					62.5	61.1	60.6	58.8	58.1	56.1	58
60						58.0	57.6	55.7	55.0	53.1	60
62						55.0	54.7	52.9	52.2	50.2	62
64						52.1	51.9	50.2	49.5	47.6	64
66							49.3	47.6	47.0	45.1	66
68							46.8	45.2	44.6	42.7	68
70							44.4	42.9	42.4	40.5	70
72								40.7	40.2	38.4	72
74								38.6	38.2	36.4	74
76								36.5	36.3	34.5	76
78									34.4	32.7	78
80									32.6	30.9	80
82									30.8	29.2	82
84										27.6	84
86										26.0	86
88										24.5	88

Combination of Working Conditions

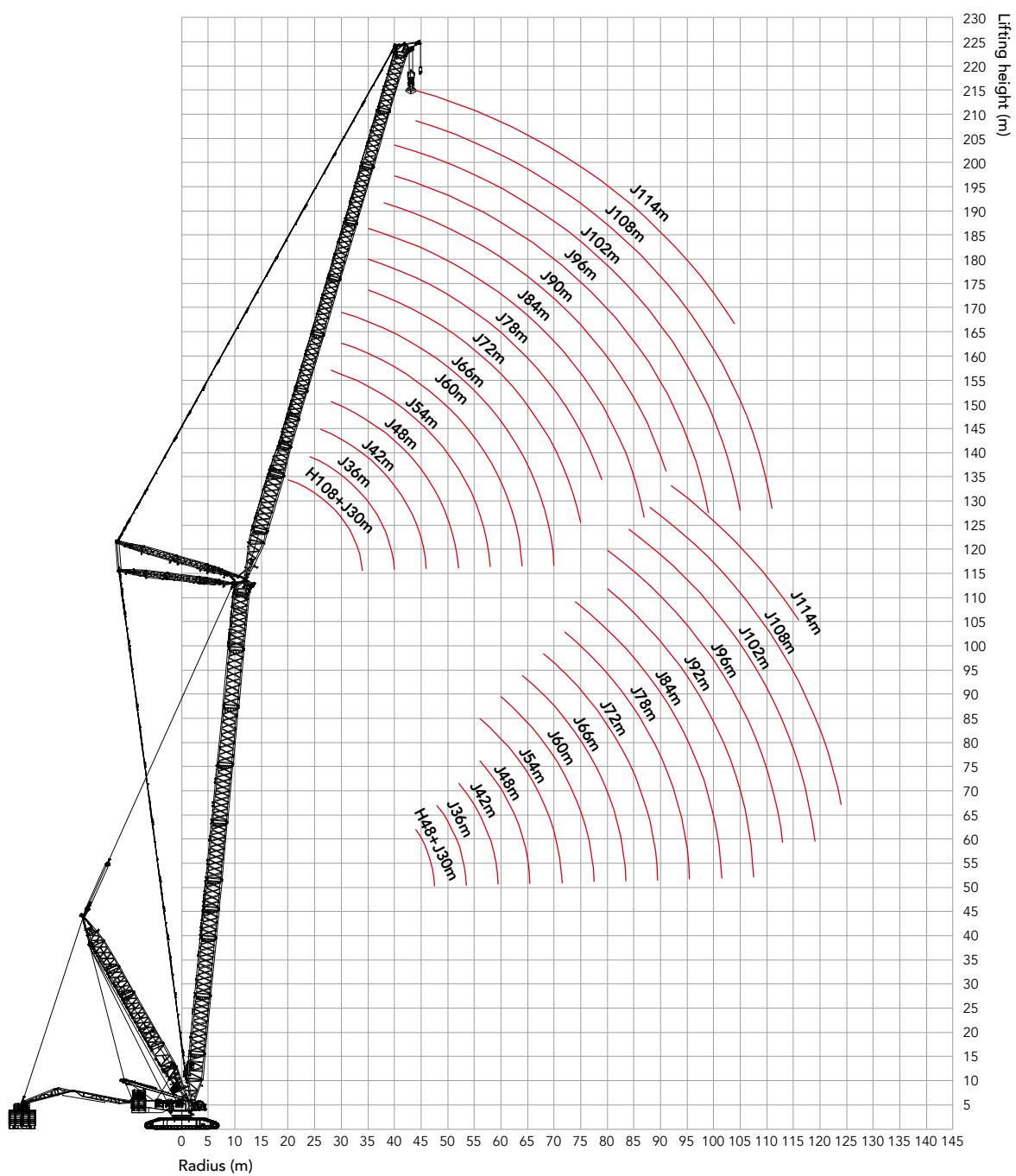
Boom combination in LJDB**Boom combination in LJDB Configuration**

Boom length (m)	boom insert					jib insert		
	6m	12mA	12mB	12mC	12mD	6m	12mA	12mB
30	-	-	-	-	1	-	-	-
36	-	-	-	-	1	1	-	-
42	-	-	-	-	1	-	1	-
48	2	1	-	-	1	1	1	-
54	1	2	-	-	1	-	2	-
60	2	2	-	-	1	1	2	-
66	1	2	1	-	1	-	2	1
72	2	2	1	-	1	1	2	1
78	1	2	2	-	1	-	2	2
84	2	2	2	-	1	1	2	2
90	1	2	2	1	1	2	2	2
96	2	2	2	1	1	1	2	3
102	1	2	2	2	1	2	2	3
108	2	2	2	2	1	1	2	4
114	-	-	-	-	1	2	2	4

Note: boom base, 12m transition insert and boom top are must;
the luffing jib base, 6m jib tapered insert and jib top are must.



Working range of LJDB



Unit: t

Load chart of LJDB Configuration

Note:

1. Meet the ISO4305 standard;
2. The superlift counterweight cannot leave the ground in the configurations marked with *;
3. The actual lifting capacity must subtract the weight of hooks, wire rope and other riggings from the rated capacity in the load chart.

SCC16000A Crawler Crane - LJDB Configuration 1/11																
BL/R (m)	Boom length 48m, Boom angle 85°, Jib length 30-114m, Superlift radius 30m, Superlift counterweight 550t, Rear counterweight 250t, Carbody counterweight 90t.															
	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	BL/R (m)
17	690*															17
18	696*	654*														18
19	685*	654*														19
20	648*	643*	577*													20
22	583*	605*	548*	491*												22
24	532*	561*	514*	467*	420*	372*										24
26	487*	516*	483*	446*	403*	362*	322*									26
28	450*	475*	450*	420*	385*	348*	312*	278*								28
30	418*	434*	418*	394*	366*	335*	304*	272*	241*							30
32	393*	398*	385*	371*	348*	320*	293*	265*	236*	210*	181*					32
34	359*	361*	355*	344*	329*	306*	282*	256*	231*	207*	180*	153*				34
36	325*	329*	329*	320*	309*	291*	270*	248*	224*	202*	179*	152*	131*			36
38		300*	302*	300*	290*	275*	257*	238*	217*	197*	176*	151*	130*	109*	94.4*	38
40		275*	278*	276*	271*	259*	246*	229*	210*	191*	173*	149*	128*	108*	93.2*	40
44			233*	238*	237*	230*	221*	209*	195*	180*	164*	147*	126*	106*	90.8*	44
48				204*	206*	204*	199*	190*	180*	167*	155*	141*	123*	103*	88.5*	48
52				174*	178*	180*	178*	172*	165*	155*	145*	133*	120*	100*	86.0*	52
56					154*	157*	157*	155*	151*	143*	135*	125*	115*	98.2*	83.4*	56
60						139*	140*	139*	136*	132*	125*	117*	108*	87.7*	75.2*	60
64						121*	124*	124*	120*	115*	109*	100*	78.3*	65.3*		64
68						110*	111*	111*	109*	106*	101*	89.8*	68.8*	57.0*		68
72							99.5*	100*	99.8*	97.4*	94.1*	80.4*	61.1*	48.7*		72
76							88.4*	90.2*	90.8*	89.5*	84.6*	71.3*	53.2*	41.2*		76
80								81.5*	81.7*	80.9*	76.9*	63.5*	46.0*	34.7*		80
84									74.2*	74.2*	68.7*	56.4*	39.7*	28.9*		84
88									66.9*	67.5*	62.4*	49.9*	34.0*	23.7*		88
92										61.5*	55.6*	44.2*	28.8*	18.0*		92
96											50.7*	38.9*	23.4*	13.9*		96
100												34.1*	18.7*	9.4*		100
104												29.0*	14.9*	5.3*		104
108												10.9*	1.7*			108

Load chart of LJDB Configuration

SCC16000A Crawler Crane - LJDB Configuration 2/11																			
BL/R (m)	Boom length 54m, Boom angle 85°, Jib length 30-114m, Superlift radius 30m, Superlift counterweight 550t, Rear counterweight 250t, Carbody counterweight 90t.																		
	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	BL/R (m)			
17	654*															17			
18	654*															18			
19	654*	607*														19			
20	648*	589*	528*													20			
22	597*	554*	503*	454*												22			
24	541*	514*	475*	432*	389*											24			
26	499*	473*	446*	412*	376*	337*	301*									26			
28	453*	436*	415*	389*	357*	325*	294*	262*								28			
30	409*	400*	386*	365*	340*	311*	284*	257*	229*							30			
32	370*	367*	356*	340*	323*	297*	274*	248*	223*	201*						32			
34	334*	336*	328*	319*	303*	283*	264*	240*	217*	195*	172*	147*				34			
36	301*	305*	304*	297*	285*	268*	252*	232*	211*	191*	171*	146*	126*			36			
38		278*	278*	276*	267*	256*	241*	222*	205*	187*	168*	145*	125*	106*		38			
40		253*	256*	254*	249*	241*	229*	213*	197*	181*	165*	144*	124*	105*	90.1*	40			
44			217*	219*	219*	213*	206*	195*	183*	169*	155*	141*	121*	102*	88.2*	44			
48				181*	187*	189*	187*	183*	176*	168*	157*	145*	134*	119*	100*	86.0*	48		
52					161*	163*	164*	163*	158*	153*	145*	136*	125*	115*	98.1*	83.7*	52		
56						142*	144*	144*	142*	139*	133*	126*	117*	109*	95.7*	81.4*	56		
60							126*	127*	128*	126*	121*	116*	109*	102*	89.7*	76.0*	60		
64								110*	113*	113*	112*	110*	106*	101*	95.8*	79.6*	66.4*	64	
68									100*	101*	102*	100*	97.7*	94.0*	88.8*	69.6*	57.5*	68	
72										90.6*	91.8*	90.6*	89.2*	86.0*	81.0*	61.6*	49.9*	72	
76										80.3*	82.4*	81.9*	80.9*	79.4*	72.4*	53.6*	42.3*	76	
80											73.8*	74.3*	73.6*	72.5*	65.0*	47.2*	35.7*	80	
84												66.6*	67.2*	66.3*	57.8*	40.7*	29.8*	84	
88												60.2*	60.4*	60.3*	51.3*	35.0*	23.9*	88	
92													54.9*	55.3*	44.5*	29.0*	19.2*	92	
96														50.2*	39.2*	24.3*	14.0*	96	
100															45.4*	34.3*	19.4*	9.5*	100
104																30.0*	15.6*	5.3*	104
108																11.5*	1.7*		108
112																7.8*			112

Combination of Working Conditions

Unit: t

Load chart of LJDB Configuration

SCC16000A Crawler Crane - LJDB Configuration 3/11																				
Boom length 60m, Boom angle 85°, Jib length 30-114m, Superlift radius 30m, Superlift counterweight 550t, Rear counterweight 250t, Carbody counterweight 90t.																				
BL/R (m)	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	BL/R (m)				
18	615*															18				
19	613*	554*														19				
20	590*	541*														20				
22	549*	506*	463*	418*												22				
24	502*	473*	437*	401*	362*											24				
26	460*	436*	411*	380*	347*	315*										26				
28	416*	402*	383*	358*	332*	303*	275*									28				
30	380*	369*	356*	336*	316*	290*	266*	241*	216*							30				
32	343*	340*	328*	316*	298*	277*	257*	233*	211*	190*						32				
34	310*	308*	304*	294*	281*	263*	246*	225*	205*	185*	165*					34				
36	282*	284*	281*	274*	265*	250*	235*	217*	199*	181*	163*	140*	121*			36				
38		258*	258*	254*	248*	236*	223*	208*	192*	176*	159*	139*	120*	102*		38				
40		235*	238*	237*	232*	222*	212*	200*	185*	171*	155*	138*	119*	101*	87.1*	40				
44			199*	202*	201*	197*	190*	182*	171*	158*	146*	133*	117*	99.4*	85.2*	44				
48				170*	173*	174*	173*	170*	164*	156*	147*	136*	126*	115*	97.3*	83.2*	48			
52					148*	151*	151*	147*	142*	135*	127*	118*	109*	95.1*	81.2*	52				
56						131*	132*	133*	131*	128*	123*	116*	110*	102*	92.9*	79.1*	56			
60							113*	116*	117*	115*	112*	108*	102*	95.7*	88.5*	76.5*	60			
64								101*	103*	104*	103*	101*	98.7*	93.8*	89.0*	80.5*	67.2*	64		
68									92.0*	92.5*	93.6*	92.0*	89.6*	86.7*	82.4*	70.9*	58.8*	68		
72										82.1*	83.9*	82.7*	81.5*	79.6*	76.1*	62.4*	50.3*	72		
76										73.4*	74.5*	74.6*	73.7*	72.8*	69.9*	54.9*	43.4*	76		
80											66.8*	67.4*	66.8*	66.2*	64.1*	47.6*	36.7*	80		
84												60.4*	60.3*	60.4*	58.2*	41.1*	30.6*	84		
88													54.0*	54.4*	54.8*	51.6*	35.2*	24.7*	88	
92														49.3*	49.4*	45.6*	29.9*	19.4*	92	
96															44.8*	40.3*	25.1*	15.2*	96	
100																40.5*	35.4*	20.2*	10.5*	100
104																	30.1*	15.7*	6.3*	104
108																		11.6*	2.6*	108
112																		8.4*		112

Load chart of LJDB Configuration

SCC16000A Crawler Crane - LJDB Configuration 4/11																
BL/R (m)	Boom length 66m, Boom angle 85°, Jib length 30-114m, Superlift radius 30m, Superlift counterweight 550t, Rear counterweight 250t, Carbody counterweight 90t.															
	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	BL/R (m)
18	571*															18
19	556*															19
20	536*	491*														20
22	499*	463*	423*													22
24	462*	433*	400*	367*	333*											24
26	421*	403*	376*	350*	320*	290*										26
28	385*	370*	351*	330*	306*	280*	255*									28
30	351*	343*	326*	310*	292*	268*	247*	224*								30
32	321*	314*	304*	292*	275*	256*	238*	217*	197*	178*						32
34	292*	289*	280*	271*	260*	244*	228*	209*	192*	173*	155*					34
36	264*	264*	259*	253*	244*	231*	217*	202*	186*	169*	153*	133*				36
38		241*	240*	235*	229*	218*	208*	194*	179*	164*	150*	132*	114*	97.2*		38
40		221*	220*	220*	214*	206*	197*	185*	172*	159*	146*	131*	113*	96.4*	82.8*	40
44			187*	188*	187*	182*	177*	168*	159*	148*	137*	125*	112*	94.8*	81.3*	44
48			158*	162*	162*	161*	157*	152*	145*	137*	127*	118*	108*	93.0*	79.6*	48
52				139*	140*	140*	139*	135*	131*	126*	118*	110*	102*	91.4*	77.8*	52
56					122*	123*	123*	121*	118*	114*	109*	102*	95.9*	88.0*	75.9*	56
60					106*	107*	108*	108*	106*	104*	99.6*	95.1*	88.9*	83.2*	74.2*	60
64						94.4*	95.8*	95.8*	95.4*	94.2*	90.8*	87.4*	82.6*	77.5*	67.9*	64
68							84.5*	85.1*	86.1*	84.4*	82.2*	79.9*	76.4*	72.0*	59.2*	68
72							74.8*	75.8*	77.1*	76.5*	74.6*	73.2*	70.4*	63.1*	51.6*	72
76								67.3*	68.3*	68.9*	67.4*	66.7*	64.3*	55.5*	43.8*	76
80									61.3*	61.5*	60.9*	60.5*	58.8*	48.8*	37.0*	80
84									54.4*	54.9*	55.4*	55.0*	53.4*	42.1*	30.9*	84
88										49.1*	49.9*	49.7*	48.6*	36.2*	25.4*	88
92											44.5*	44.7*	44.4*	30.8*	20.1*	92
96												40.4*	40.0*	25.2*	15.3*	96
100												36.6*	35.4*	20.3*	10.6*	100
104													31.0*	16.3*	6.3*	104
108														12.2*	2.6*	108
112														9.0*		112

Combination of Working Conditions

Unit: t

Load chart of LJDB Configuration

SCC16000A Crawler Crane - LJDB Configuration 5/11																
BL/R (m)	Boom length 72m, Boom angle 85°, Jib length 30-114m, Superlift radius 30m, Superlift counterweight 550t, Rear counterweight 250t, Carbody counterweight 90t.															
	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	BL/R (m)
19	507*															19
20	493*	448*														20
22	460*	425*	389*													22
24	426*	398*	368*	340*												24
26	392*	370*	347*	325*	297*	270*										26
28	359*	343*	327*	306*	284*	261*	239*									28
30	328*	318*	304*	289*	270*	250*	231*	210*								30
32	298*	292*	281*	270*	256*	238*	221*	204*	185*							32
34	272*	269*	262*	253*	242*	227*	213*	197*	180*	164*	147*					34
36	248*	247*	243*	236*	228*	215*	203*	189*	175*	159*	144*	126*				36
38	227*	226*	224*	220*	213*	203*	193*	181*	169*	155*	141*	126*	109*			38
40		207*	205*	203*	199*	193*	184*	173*	162*	150*	137*	125*	108*	92.4*	79.1*	40
44		175*	175*	176*	174*	169*	164*	157*	149*	139*	129*	118*	107*	91.0*	77.8*	44
48			149*	150*	151*	149*	147*	141*	135*	128*	119*	111*	102*	89.5*	76.3*	48
52				130*	131*	131*	130*	126*	123*	117*	110*	104*	96.5*	87.9*	74.9*	52
56					113*	114*	114*	112*	110*	106*	101*	96.0*	90.3*	83.4*	73.3*	56
60					98.2*	100*	101*	100*	99.5*	96.1*	92.5*	88.5*	83.1*	77.9*	71.6*	60
64						87.7*	89.0*	89.2*	88.6*	86.5*	84.4*	81.2*	77.2*	72.1*	67.2*	64
68							78.3*	79.2*	78.9*	78.1*	76.2*	74.1*	70.5*	66.9*	60.2*	68
72							68.9*	70.1*	70.5*	69.9*	69.0*	67.2*	64.9*	61.9*	52.1*	72
76								62.1*	63.2*	62.7*	62.0*	61.0*	59.4*	56.3*	45.0*	76
80									56.1*	56.5*	55.9*	55.1*	54.1*	49.2*	38.0*	80
84									49.7*	50.6*	50.4*	49.9*	49.1*	42.4*	31.8*	84
88										45.0*	44.9*	45.1*	44.2*	36.5*	25.6*	88
92											40.6*	40.8*	40.4*	31.0*	20.8*	92
96											36.2*	36.7*	36.3*	26.1*	15.9*	96
100												32.9*	32.6*	21.0*	11.6*	100
104													29.4*	17.0*	7.3*	104
108														12.8*	3.5*	108
112														9.0*		112

Load chart of LJDB Configuration

SCC16000A Crawler Crane - LJDB Configuration 6/11																
BL/R (m)	Boom length 78m, Boom angle 85°, Jib length 30-114m, Superlift radius 30m, Superlift counterweight 550t, Rear counterweight 250t, Carbody counterweight 90t.															
	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	BL/R (m)
19	460*															19
20	448*															20
22	418*	388*	354*													22
24	390*	364*	337*	310*												24
26	360*	342*	319*	297*	274*											26
28	331*	317*	299*	282*	262*	240*										28
30	305*	295*	280*	265*	249*	232*	214*	194*								30
32	278*	271*	262*	249*	236*	221*	205*	189*	172*							32
34	255*	250*	242*	234*	223*	210*	197*	182*	168*	152*						34
36	234*	230*	224*	218*	210*	199*	188*	175*	162*	148*	135*	119*				36
38	213*	211*	208*	203*	197*	188*	179*	168*	157*	144*	132*	118*	102*			38
40		193*	192*	190*	185*	178*	171*	160*	151*	139*	128*	117*	101*	87.1*		40
44		164*	165*	164*	162*	158*	153*	145*	138*	129*	120*	111*	101*	86.0*	73.6*	44
48			140*	140*	141*	138*	136*	131*	125*	119*	111*	104*	96.0*	84.7*	72.4*	48
52				121*	122*	122*	120*	117*	113*	109*	102*	96.9*	90.2*	82.9*	71.0*	52
56				104*	106*	106*	106*	104*	102*	99.0*	94.6*	89.2*	83.4*	77.7*	69.6*	56
60					92.3*	93.1*	94.0*	93.1*	91.5*	89.0*	85.9*	82.2*	77.7*	72.7*	67.0*	60
64						81.6*	82.8*	83.0*	82.2*	80.3*	78.1*	75.3*	71.1*	67.3*	62.5*	64
68							73.2*	72.9*	73.2*	72.4*	70.4*	68.0*	65.2*	62.2*	58.2*	68
72							64.4*	65.1*	65.4*	64.7*	63.7*	62.1*	59.4*	57.1*	52.6*	72
76								57.6*	58.3*	58.0*	57.1*	56.5*	54.3*	52.1*	45.1*	76
80								51.6*	51.9*	51.4*	50.9*	49.4*	47.7*	38.6*		80
84								46.0*	46.4*	45.9*	46.0*	44.6*	43.5*	32.7*		84
88									41.3*	41.3*	41.3*	40.6*	37.2*	26.5*		88
92										36.7*	37.3*	36.6*	31.2*	21.0*		92
96										32.8*	33.5*	32.7*	26.3*	16.6*		96
100											29.7*	29.5*	21.8*	11.7*		100
104												26.3*	17.2*	7.4*		104
108												23.4*	12.9*	3.5*		108
112													9.6*	0.4*		112

Combination of Working Conditions

Unit: t

Load chart of LJDB Configuration

SCC16000A Crawler Crane - LJDB Configuration 7/11																				
BL/R (m)	Boom length 84m, Boom angle 85°, Jib length 30-114m, Superlift radius 30m, Superlift counterweight 550t, Rear counterweight 250t, Carbody counterweight 90t.																			
	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	BL/R (m)				
20	410*															20				
22	386*	357*														22				
24	361*	337*	311*	287*												24				
26	336*	316*	295*	276*	253*											26				
28	309*	294*	278*	262*	244*	224*										28				
30	284*	273*	261*	247*	232*	214*	199*									30				
32	261*	254*	244*	233*	220*	206*	192*	176*	161*							32				
34	240*	235*	227*	218*	208*	196*	184*	170*	157*	143*						34				
36	219*	216*	210*	204*	197*	187*	176*	164*	152*	140*	127*					36				
38	201*	199*	195*	190*	184*	176*	167*	157*	147*	135*	123*	111*	96.7*			38				
40		183*	180*	178*	172*	166*	159*	150*	141*	131*	120*	110*	96.4*	82.3*		40				
44		155*	155*	153*	151*	147*	143*	136*	129*	121*	113*	104*	95.4*	81.6*	69.6*	44				
48			132*	132*	131*	129*	126*	122*	118*	111*	104*	97.5*	90.1*	80.5*	68.6*	48				
52				114*	115*	114*	113*	109*	106*	102*	96.3*	90.7*	84.2*	77.9*	67.4*	52				
56					98.8*	100*	100*	97.6*	95.9*	92.3*	87.9*	83.6*	78.3*	73.1*	66.2*	56				
60						87.2*	87.5*	87.5*	86.9*	85.4*	82.9*	80.3*	76.4*	72.5*	67.6*	63.1*	60			
64							76.9*	77.6*	77.5*	76.6*	74.4*	72.2*	69.9*	66.3*	62.9*	58.2*	64			
68								67.1*	68.3*	68.3*	68.1*	66.9*	65.6*	63.6*	60.6*	57.5*	54.1*	68		
72									60.5*	60.2*	60.8*	60.4*	58.7*	57.4*	55.3*	53.1*	50.1*	72		
76										53.4*	53.8*	53.7*	53.1*	51.9*	50.0*	48.4*	45.6*	76		
80											47.9*	48.0*	47.1*	46.6*	45.3*	44.0*	38.8*	80		
84												42.9*	42.9*	42.5*	42.1*	41.3*	40.0*	32.9*	84	
88													38.1*	38.1*	37.6*	36.9*	36.2*	27.1*	88	
92														33.9*	34.0*	33.1*	31.8*	22.3*	92	
96															30.3*	30.3*	29.9*	26.9*	16.7*	96
100																26.9*	26.5*	21.9*	12.8*	100
104																	23.6*	17.9*	8.3*	104
108																	21.2*	14.2*	4.4*	108
112																	10.3*	0.8*		112

Load chart of LJDB Configuration

SCC16000A Crawler Crane - LJDB Configuration 8/11																					
BL/R (m)	Boom length 90m, Boom angle 85°, Jib length 30-114m, Superlift radius 30m, Superlift counterweight 550t, Rear counterweight 250t, Carbody counterweight 90t.																				
	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	BL/R (m)					
20	367*															20					
22	348*	320*														22					
24	327*	305*	281*													24					
26	305*	287*	268*	248*	229*											26					
28	284*	269*	252*	237*	220*	203*										28					
30	262*	251*	237*	224*	211*	195*	181*									30					
32	242*	234*	222*	213*	200*	187*	175*	160*								32					
34	223*	215*	209*	200*	190*	178*	168*	156*	143*	131*						34					
36	206*	201*	193*	187*	179*	170*	161*	149*	139*	128*	116*					36					
38	190*	186*	181*	175*	169*	161*	153*	143*	134*	124*	113*	101*				38					
40		171*	168*	164*	159*	153*	146*	137*	129*	119*	110*	100*	87.4*	74.9*		40					
44		146*	144*	142*	139*	135*	131*	124*	119*	111*	103*	95.5*	86.6*	74.1*	63.3*	44					
48			124*	123*	122*	120*	117*	112*	107*	102*	96.1*	89.5*	82.3*	73.2*	62.4*	48					
52				107*	107*	105*	104*	100*	97.6*	93.1*	88.4*	82.8*	77.4*	71.3*	61.4*	52					
56					93.0*	93.4*	93.4*	92.3*	90.3*	88.3*	84.3*	80.7*	76.6*	71.6*	66.6*	56					
60						81.6*	81.3*	81.3*	80.2*	79.2*	76.3*	73.1*	70.0*	65.8*	61.7*	57.3*	60				
64							71.9*	72.4*	71.3*	70.5*	68.8*	66.3*	64.0*	60.5*	57.5*	53.2*	64				
68								62.6*	63.3*	63.6*	62.8*	61.9*	59.7*	57.8*	55.4*	52.6*	49.2*	68			
72									56.4*	56.4*	56.2*	55.3*	53.8*	52.6*	50.4*	48.1*	45.3*	72			
76										49.6*	50.0*	49.6*	48.1*	47.6*	45.5*	43.9*	41.4*	76			
80											44.0*	44.7*	44.1*	43.3*	42.7*	41.3*	40.0*	37.8*	80		
84												39.7*	39.5*	38.6*	38.5*	37.2*	36.0*	33.4*	84		
88													35.1*	34.6*	34.5*	33.2*	32.6*	27.6*	88		
92														30.8*	30.6*	30.1*	29.2*	22.1*	92		
96															27.5*	27.4*	26.8*	26.3*	17.3*	96	
100																24.3*	23.7*	22.6*	12.8*	100	
104																		21.1*	18.6*	8.4*	104
108																		18.9*	14.2*	4.4*	108
112																		10.5*	0.8*		112

Combination of Working Conditions

Unit: t

Load chart of LJDB Configuration

SCC16000A Crawler Crane - LJDB Configuration 9/11																				
BL/R (m)	Boom length 96m, Boom angle 85°, Jib length 30-114m, Superlift radius 30m, Superlift counterweight 550t, Rear counterweight 250t, Carbody counterweight 90t.																			
	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	BL/R (m)				
22	320*	295*														22				
24	302*	281*	259*													24				
26	285*	267*	249*	231*												26				
28	265*	250*	235*	221*	206*											28				
30	246*	234*	221*	209*	196*	182*	168*									30				
32	227*	218*	209*	199*	187*	174*	162*	150*								32				
34	210*	203*	195*	187*	178*	167*	157*	145*	134*							34				
36	194*	189*	182*	176*	168*	159*	150*	139*	130*	120*	107*					36				
38	179*	175*	170*	165*	159*	151*	143*	134*	126*	116*	106*	94.1*				38				
40	165*	162*	158*	155*	149*	143*	136*	128*	120*	112*	103*	93.8*	81.1*			40				
44		139*	136*	134*	132*	127*	123*	117*	110*	103*	97.1*	89.4*	80.4*	69.1*	58.9*	44				
48			117*	117*	115*	112*	109*	105*	101*	95.4*	89.8*	84.1*	77.3*	68.3*	58.2*	48				
52				102*	100*	99.1*	98.1*	94.8*	91.3*	87.0*	82.5*	77.8*	72.2*	66.9*	57.3*	52				
56					88.8*	88.8*	87.9*	87.0*	84.9*	82.0*	79.2*	75.2*	71.5*	67.1*	62.2*	56.2*	56			
60						77.2*	76.8*	76.6*	75.4*	74.2*	71.7*	68.3*	65.2*	61.4*	57.7*	53.6*	60			
64							67.6*	67.5*	66.6*	66.0*	64.4*	61.8*	59.5*	56.4*	53.4*	49.5*	64			
68								59.3*	59.9*	59.4*	58.8*	57.3*	55.5*	54.0*	51.2*	48.9*	45.5*	68		
72									52.8*	52.8*	52.6*	51.7*	50.0*	48.6*	46.8*	44.4*	41.8*	72		
76										46.5*	46.8*	45.9*	44.7*	43.9*	42.2*	40.7*	38.2*	76		
80										41.4*	41.6*	40.8*	40.1*	39.4*	37.8*	36.7*	34.5*	80		
84											36.7*	36.5*	35.7*	35.5*	34.0*	33.0*	31.4*	84		
88												32.5*	32.0*	31.7*	30.6*	29.7*	28.0*	88		
92													28.8*	28.5*	28.1*	27.4*	26.6*	23.3*	92	
96														25.2*	25.0*	24.3*	23.8*	17.9*	96	
100															22.2*	21.7*	21.2*	13.7*	100	
104																19.9*	19.3*	18.8*	8.8*	104
108																	17.0*	14.4*	5.1*	108
112																		11.0*	1.7*	112

Load chart of LJDB Configuration**SCC16000A Crawler Crane - LJDB Configuration 10/11**

Boom length 102m, Boom angle 85°, Jib length 30-114m, Superlift radius 30m, Superlift counterweight 550t,
Rear counterweight 250t, Carbody counterweight 90t.

BL/R (m)	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	BL/R (m)				
22	288*															22				
24	273*	253*	233*													24				
26	258*	241*	224*	207*												26				
28	242*	228*	214*	199*	185*											28				
30	226*	213*	201*	191*	178*	165*										30				
32	210*	201*	190*	180*	170*	158*	147*	136*								32				
34	195*	187*	178*	171*	162*	152*	142*	131*	122*							34				
36	181*	174*	168*	161*	153*	145*	136*	127*	118*	108*						36				
38	167*	163*	156*	151*	145*	138*	131*	122*	113*	105*	94.9*	83.4*				38				
40	155*	151*	146*	142*	137*	130*	124*	117*	110*	102*	93.9*	83.0*	71.7*			40				
44		130*	127*	124*	121*	116*	112*	106*	101*	94.8*	87.5*	81.2*	71.0*	61.1*	51.8*	44				
48			110*	108*	107*	103*	100*	96.6*	92.3*	87.1*	81.4*	76.0*	70.0*	60.4*	51.2*	48				
52				96.4*	95.5*	94.6*	92.2*	90.4*	87.2*	83.5*	79.4*	75.2*	70.3*	65.5*	59.4*	50.3*	52			
56					83.5*	83.0*	81.5*	80.5*	77.6*	75.5*	72.3*	68.6*	64.9*	60.6*	56.4*	49.4*	56			
60						72.5*	71.5*	71.1*	69.7*	67.8*	65.5*	62.1*	59.6*	55.6*	52.4*	48.2*	60			
64							63.9*	63.1*	63.1*	61.6*	61.1*	58.8*	56.3*	54.0*	50.7*	48.2*	44.5*	64		
68								55.4*	55.6*	55.2*	54.6*	52.5*	50.6*	48.9*	46.6*	44.0*	40.8*	68		
72									49.3*	48.8*	48.5*	47.4*	45.6*	44.1*	42.0*	40.2*	37.7*	72		
76										43.3*	43.3*	42.2*	40.8*	39.8*	38.1*	36.5*	34.2*	76		
80										38.2*	38.4*	37.6*	36.6*	35.7*	34.2*	33.0*	30.9*	80		
84											34.3*	33.3*	32.8*	32.1*	30.7*	29.6*	28.1*	84		
88												29.8*	29.1*	28.7*	27.6*	26.6*	25.0*	88		
92													26.5*	26.0*	25.5*	24.4*	23.8*	22.5*	92	
96														22.7*	22.5*	21.7*	21.1*	18.5*	96	
100															20.0*	19.1*	18.8*	14.0*	100	
104																17.6*	16.9*	16.6*	9.7*	104
108																	14.9*	14.5*	5.8*	108
112																		11.8*	2.1*	112
116																		8.2*		116

Combination of Working Conditions

Unit: t

Load chart of LJDB Configuration

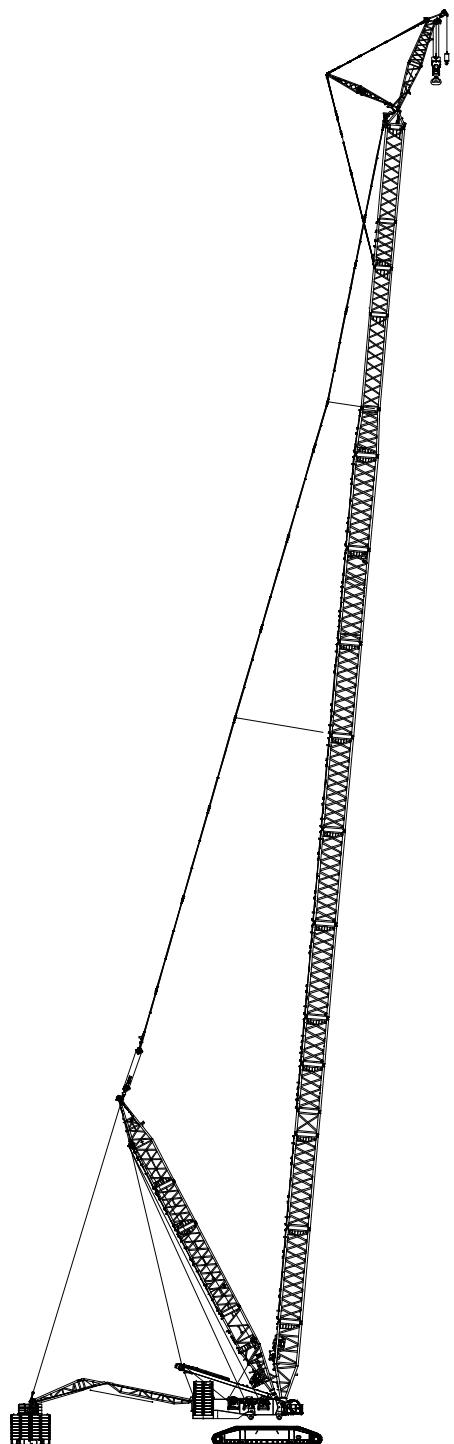
SCC16000A Crawler Crane - LJDB Configuration 11/11																				
BL/R (m)	Boom length 108m, Boom angle 85°, Jib length 30-114m, Superlift radius 30m, Superlift counterweight 550t, Rear counterweight 250t, Carbody counterweight 90t.																			
	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	BL/R (m)				
22	266*															22				
24	253*	235*														24				
26	240*	223*	207*													26				
28	226*	211*	198*	185*	172*											28				
30	211*	200*	188*	177*	165*	153*										30				
32	198*	188*	178*	168*	159*	147*	137*									32				
34	184*	175*	168*	159*	151*	141*	132*	123*	113*							34				
36	171*	164*	157*	151*	144*	135*	127*	118*	110*	99.3*						36				
38	158*	153*	148*	142*	136*	128*	122*	113*	106*	98.2*	86.6*					38				
40	147*	143*	138*	133*	129*	122*	116*	109*	102*	95.3*	86.1*	75.7*	65.3*			40				
44		124*	120*	117*	114*	109*	105*	99.9*	94.5*	88.2*	81.5*	74.7*	64.6*	55.7*	46.9*	44				
48			105*	103*	101*	98.2*	95.3*	90.3*	86.7*	81.5*	76.2*	70.6*	63.6*	54.9*	46.3*	48				
52				92.0*	90.1*	89.0*	86.8*	84.8*	81.2*	78.4*	74.2*	69.9*	65.8*	60.7*	54.0*	52				
56					79.0*	78.5*	76.8*	75.6*	72.8*	70.8*	67.7*	63.7*	60.7*	56.2*	52.6*	44.7*	56			
60						68.7*	67.5*	66.9*	64.9*	63.6*	60.8*	58.0*	55.3*	51.5*	48.6*	43.6*	60			
64						60.7*	59.6*	59.4*	58.0*	56.7*	55.1*	52.6*	50.1*	47.2*	44.6*	41.1*	64			
68							52.5*	52.6*	51.5*	50.7*	49.1*	47.2*	45.7*	43.0*	40.6*	37.9*	68			
72								46.7*	45.9*	45.2*	43.9*	42.2*	41.1*	38.6*	36.8*	34.6*	72			
76									41.0*	40.8*	40.3*	39.4*	37.7*	36.8*	35.1*	33.7*	31.3*	76		
80										36.2*	35.8*	34.9*	33.8*	32.9*	31.7*	30.1*	28.2*	80		
84											32.0*	31.3*	30.2*	29.6*	28.1*	27.2*	25.4*	84		
88												27.7*	26.8*	26.4*	25.3*	24.4*	22.7*	88		
92													24.7*	23.6*	23.2*	22.3*	21.7*	20.4*	92	
96														21.0*	20.7*	19.6*	19.2*	17.8*	96	
100															18.4*	17.5*	16.9*	14.1*	100	
104																16.0*	15.3*	14.7*	10.3*	104
108																	13.2*	13.0*	6.2*	108
112																		11.1*	2.4*	112
116																		8.3*		116

Boom combination in HJFJDB

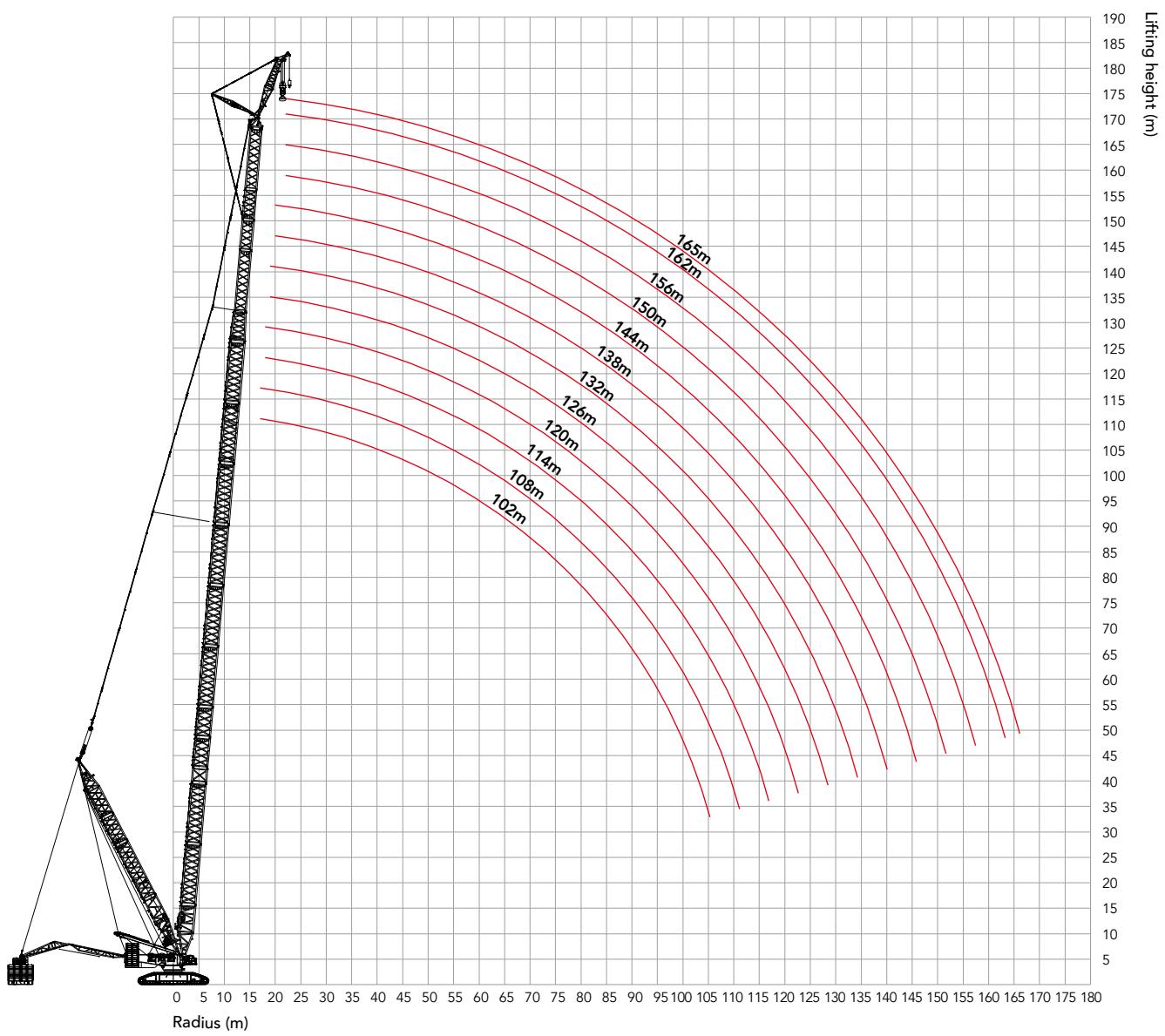
Boom length(m)	boom insert							jib insert	
	3m	6m	12mA	12mB	12mC	12mD	H4	6m	12mA
102	-	2	2	2	1	-	1	-	-
108	-	1	2	2	2	-	1	-	-
114	-	2	2	2	2	-	1	-	-
120	-	1	2	2	2	1	1	-	-
126	-	2	2	2	2	1	1	-	-
132	-	2	2	2	2	1	1	1	-
138	-	2	2	2	2	1	1	-	1
144	-	2	2	2	2	1	1	1	1
150	-	2	2	2	2	1	1	2	1
156	-	2	2	2	2	1	1	1	2
162	-	2	2	2	2	1	1	2	2
165	1	2	2	2	2	1	1	2	2

Note: boom base, 6m tapered insert and 1.5m jib top are must.

For boom length $\geq 138m$, the mid-point suspension cable must be used, otherwise, the boom system may break.



Combination of Working Conditions

Working range of HJFJDB

Load chart of HJFJDB Configuration

Note:

1. Meet the ISO4305 standard;
2. The superlift counterweight cannot leave the ground in the configurations marked with *;
3. The actual lifting capacity must subtract the weight of hooks, wire rope and other riggings from the rated capacity in the load chart.

SCC16000A Crawler Crane - HJFJDB Configuration

Boom length 102~165m, Jib length 12m, Boom to jib angle 15°, Superlift radius 30m, Superlift counterweight 550t,
Rear counterweight 250t, Carbody counterweight 90t.

BL/R (m)	102	108	114	120	126	132	138	144	150	156	162	165	BL/R (m)
17	228*	226*											17
18	226*	224*	222*	220*									18
19	224*	221*	221*	218*	217*	214*							19
20	221*	219*	219*	217*	213*	212*	209*	204*					20
22	218*	215*	215*	213*	210*	207*	206*	201*	189*	170*	150*	144*	22
24	213*	213*	210*	209*	206*	204*	203*	198*	190*	169*	149*	144*	24
26	210*	208*	207*	206*	204*	200*	201*	196*	190*	169*	148*	143*	26
28	205*	206*	204*	202*	200*	198*	199*	195*	190*	168*	147*	142*	28
30	202*	201*	199*	199*	197*	195*	196*	192*	188*	167*	146*	141*	30
32	199*	198*	197*	195*	194*	192*	193*	189*	187*	166*	145*	140*	32
34	196*	195*	194*	193*	190*	189*	191*	188*	184*	165*	144*	139*	34
36	192*	190*	190*	189*	188*	185*	188*	185*	183*	164*	143*	138*	36
38	189*	188*	187*	186*	186*	183*	187*	184*	180*	163*	142*	137*	38
40	187*	185*	184*	184*	182*	180*	185*	180*	179*	162*	142*	136*	40
44	180*	179*	179*	179*	177*	174*	180*	176*	175*	160*	139*	134*	44
48	175*	175*	174*	174*	172*	169*	177*	174*	173*	157*	137*	132*	48
52	169*	169*	169*	169*	167*	164*	173*	170*	168*	155*	135*	130*	52
56	165*	166*	163*	164*	162*	160*	170*	167*	166*	153*	132*	128*	56
60	161*	160*	159*	158*	158*	155*	167*	164*	163*	148*	130*	126*	60
64	157*	156*	156*	155*	153*	150*	164*	161*	158*	143*	128*	124*	64
68	152*	152*	150*	151*	150*	147*	160*	159*	153*	138*	124*	121*	68
72	148*	148*	147*	146*	146*	144*	158*	156*	149*	134*	120*	119*	72
76	144*	144*	143*	143*	141*	139*	155*	152*	145*	130*	116*	117*	76
80	142*	140*	139*	140*	138*	135*	153*	150*	141*	126*	113*	115*	80
84	137*	137*	137*	136*	134*	131*	150*	148*	137*	124*	110*	113*	84
88	134*	134*	134*	133*	131*	128*	148	146	134*	121*	107*	111*	88
92	132*	130*	130*	129*	128*	124*	146	143	131	118*	104*	109*	92
96	128*	128*	127	127	124	121*	137	135	129	115*	102*	106*	96
100	126	125	123	123	121	118	128	126	125	113	100*	104*	100
104	122	122	121	121	118	114	120	118	117	111	98.5*	102	104
108	120	119	117	116	114	112	113	111	110	109	96.7	100	108
112	114	113	110	110	107	106	106	104	103	103	95.4	99	112
116		106	104	104	101	99.9	99.9	98	97	96.6	94.2	93.3	116
120		100	98.1	97.9	95.1	93.9	93.8	91.9	91	90.6	89	87.3	120
124			92.2	92.2	89.4	88.2	88.2	86.3	85.3	85	83.4	81.7	124
128					86.7	84	82.8	82.9	81	80	79.7	78.1	76.5
132					81.3	78.9	77.8	77.9	76	75.1	74.7	73.1	71.5
136						73.9	73	73.1	71.3	70.4	70.1	68.5	66.9
140							68.3	68.6	66.8	65.9	65.6	64	62.4
144							63.8	64.2	62.5	61.7	61.4	59.9	58.3
148								60	58.5	57.6	57.4	55.9	54.3
152									54.5	53.8	53.6	52.1	50.5
156									50.6	50.1	50	48.5	46.9
160										46.5	46.5	45	43.5
164											43.1	41.7	40.2
168											39.7	38.5	37
172												35.3	33.9
176												30.8	176



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— Agent information —

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

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