



SCC12500A

Crawler Crane
1250 Tons Lifting Capacity

Quality Changes the World



Max. lifting moment: 17000t·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
SCC12500A

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1250 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	0~140m/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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1250 TONS LIFTING CAPACITY

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Technical Parameters

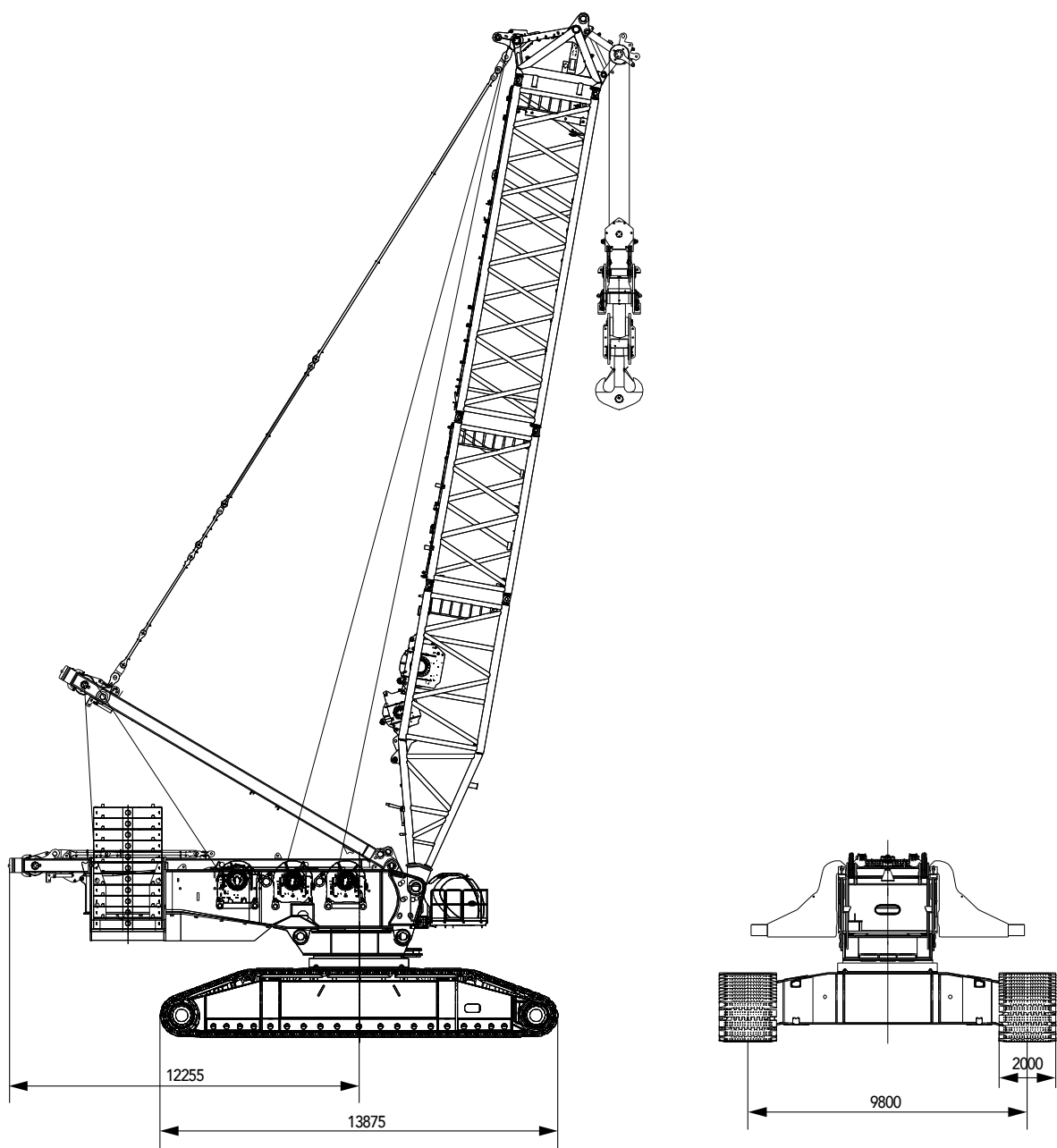
- Page 11 Main performance parameters
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Main Performance Parameters

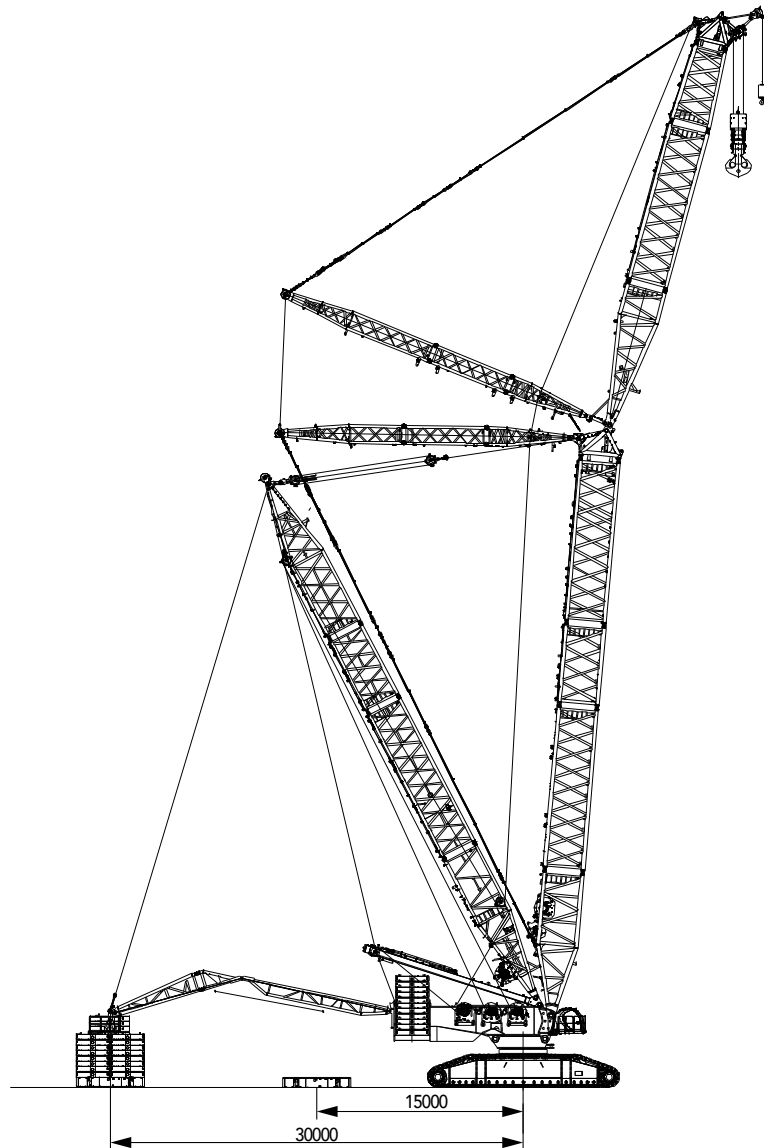
Major Performance & Specifications of SCC12500A		
Performance indexes	Unit	Parameter
Maximum rated lifting capacity	t	800 (7m operating radius)
Maximum rated lifting capacity (with superlift)	t	1250 (12m operating radius)
Maximum rated lifting moment	t·m	6060
Maximum rated lifting moment (with superlift)	t·m	17000
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	450
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

Outline Dimension

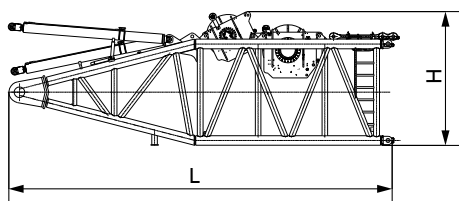
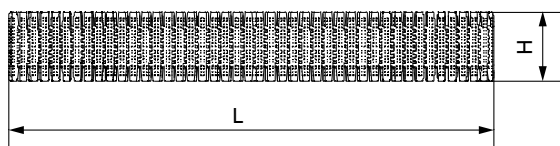
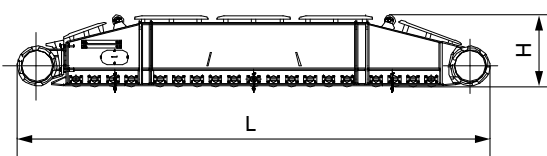
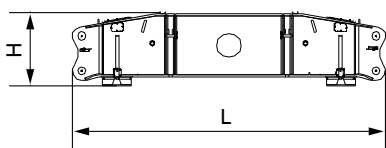
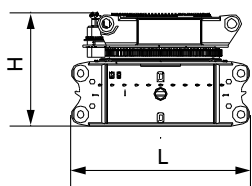
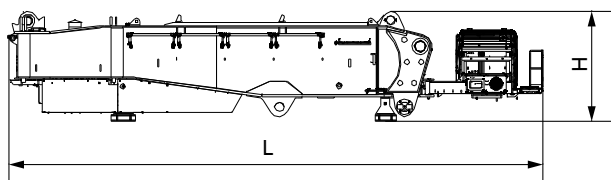


Unit: mm

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

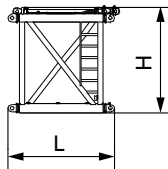
Boom base (H2)(with winch)

×1

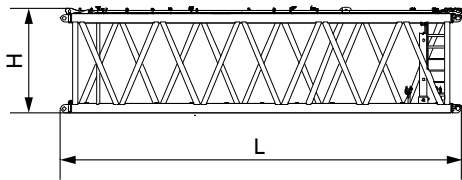
Length (L)	10.92m
Width (W)	3.50m
Height (H)	3.20m
Weight	37.0t

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

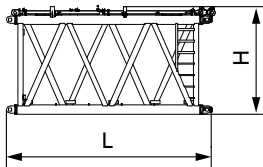
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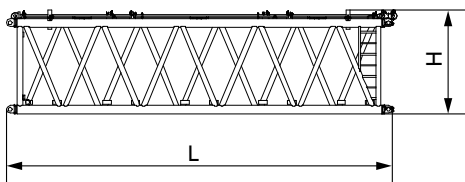
3m transitional insert(H3)	×1
Length (L)	3.24m
Width (W)	3.50m
Height (H)	3.23m
Weight	4.5t



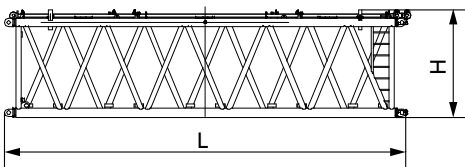
12m transitional insert (H4)	×1
Length (L)	12.24m
Width (W)	3.50m
Height (H)	3.19m
Weight	14.9t



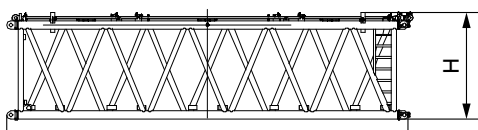
6m boom insert (H6)	×2
Length (L)	6.24m
Width (W)	3.50m
Height (H)	3.28m
Weight	8.2t



12m boom insert (H8A)	×2
Length (L)	12.24m
Width (W)	3.50m
Height (H)	3.28m
Weight	15.4t

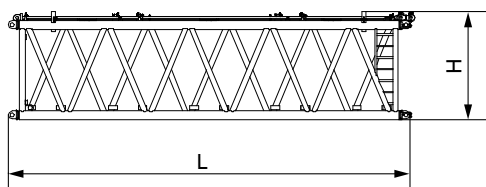


12m boom insert (H8B)	×2
Length (L)	12.24m
Width (W)	3.50m
Height (H)	3.28m
Weight	15.4t



12m boom insert (H8C)	×2
Length (L)	12.24m
Width (W)	3.50m
Height (H)	3.28m
Weight	12.8t

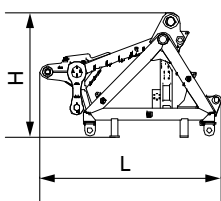
Transport Dimension



12m boom insert (H8D)

×1

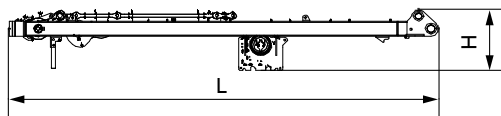
Length (L)	12.24m
Width (W)	3.50m
Height (H)	3.28m
Weight	11.2t



Connecting tip(H9)

×1

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

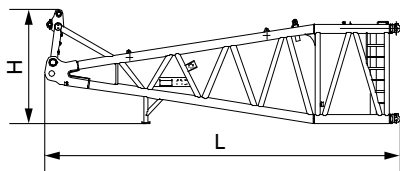


Boom hoist mast

×1

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

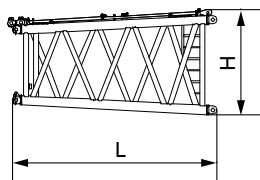
Note: including boom hoist winch 9.04t.



Luffing jib base (LJ2)

×1

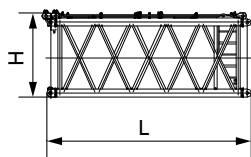
Length (L)	10.83m
Width (W)	3.50m
Height (H)	3.47m
Weight	13.5t



6m jib tapered insert(LJ4)

×1

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

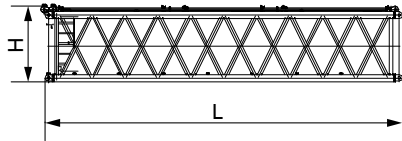


Luffing jib insert(LJ6)

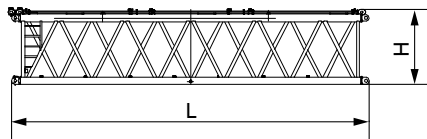
×2

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

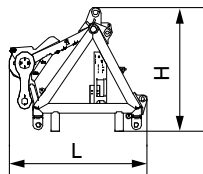
Transport Dimension



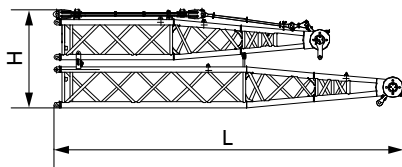
Luffing jib insert(LJ8A)	×2
Length (L)	12.23m
Width (W)	3.00m
Height (H)	2.57m
Weight	8.33t



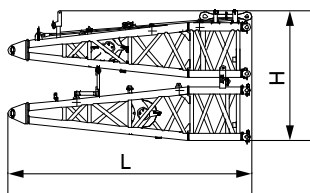
Luffing jib insert(LJ8B)	×4
Length (L)	12.23m
Width (W)	3.00m
Height (H)	2.57m
Weight	7.58t



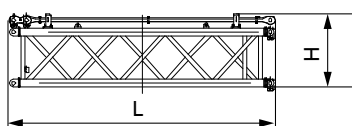
Jib tip (LJ9)	×1
Length (L)	3.04m
Width (W)	3.04m
Height (H)	2.74m
Weight	5.51t



Rear and front mast top of luffing jib	×1
Length (L)	11.94m
Width (W)	2.98m
Height (H)	3.34m
Weight	13.0t

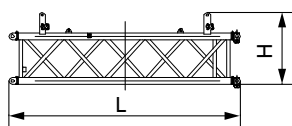


Rear and front mast base of luffing jib	×1
Length (L)	6.25m
Width (W)	2.89m
Height (H)	3.34m
Weight	7.3t



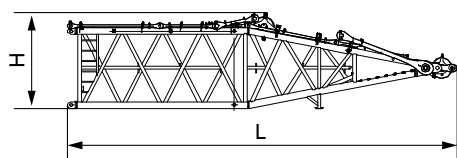
6m front mast of luffing jib	×1
Length (L)	6.24m
Width (W)	2.97m
Height (H)	1.71m
Weight	2.88t

Transport Dimension



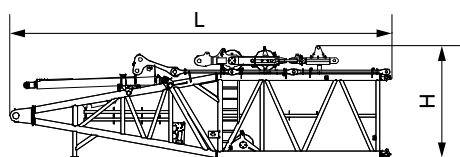
6m rear mast of luffing jib ×1

Length (L)	6.18m
Width (W)	2.13m
Height (H)	1.94m
Weight	2.21t



Superlift mast top (D1) ×1

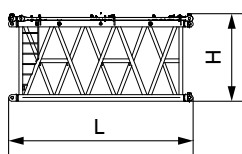
Length (L)	13.02m
Width (W)	3.45m
Height (H)	3.20m
Weight	15.9t



Superlift mast base (D2) (with winch) ×1

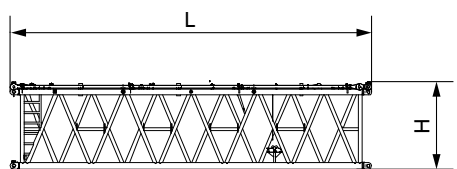
Length (L)	12.32m
Width (W)	3.50m
Height (H)	3.64m
Weight	39.7t

Note: superlift luffing winch 12.65t.



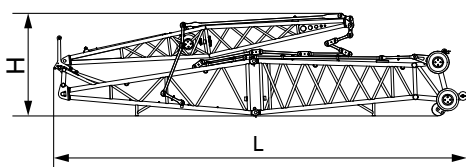
6m superlift mast insert (D4) ×1

Length (L)	6.24m
Width (W)	3.49m
Height (H)	2.89m
Weight	6.23t



12m superlift mast insert (D6) ×1

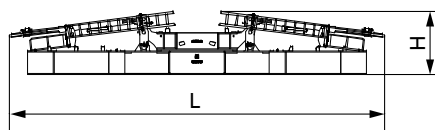
Length (L)	12.24m
Width (W)	3.49m
Height (H)	2.89m
Weight	11.37t



Fixed jib ×1

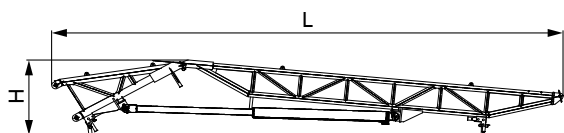
Length (L)	12.91m
Width (W)	2.33m
Height (H)	3.20m
Weight	8.5t

Transport Dimension



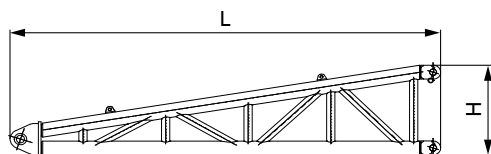
Superlift counterweight frame ×1

Length (L)	11.21m
Width (W)	3.00m
Height (H)	1.87m
Weight	32.0t



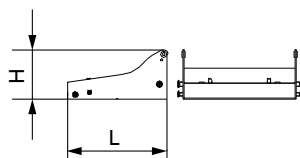
Superlift strut stage 1 and 2 (including cylinder) ×1

Length (L)	14.84m
Width (W)	3.45m
Height (H)	2.41m
Weight	10.6t



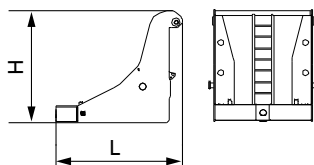
Superlift strut stage 3 ×1

Length (L)	6.26m
Width (W)	3.45m
Height (H)	1.42m
Weight	3.8t



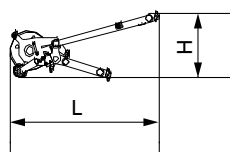
Carbody counterweight tray ×2

Length (L)	2.98m
Width (W)	3.67m
Height (H)	1.47m
Weight	15.0t



Rear counterweight tray ×2

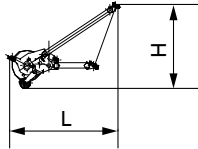
Length (L)	3.35m
Width (W)	2.86m
Height (H)	2.96m
Weight	15.0t



Boom extension jib ×1

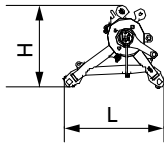
Length (L)	2.65m
Width (W)	1.27m
Height (H)	1.41m
Weight	0.58t

Transport Dimension



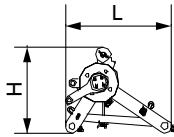
Luffing jib extension jib ×1

Length (L)	2.44m
Width (W)	1.13m
Height (H)	1.90m
Weight	0.58t



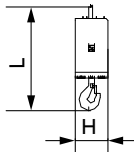
Pulley block (650T) ×2

Length (L)	1.85m
Width (W)	1.67m
Height (H)	1.51m
Weight	2.1t



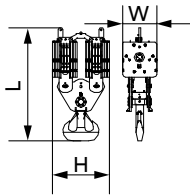
Pulley block (1250T) ×2

Length (L)	1.85m
Width (W)	2.09m
Height (H)	1.94m
Weight	3.7t



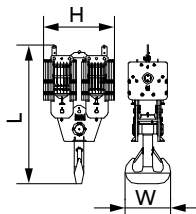
25T hook ×1

Length (L)	1.64m
Width (W)	0.54m
Height (H)	0.54m
Weight	1.7t



250T hook ×1

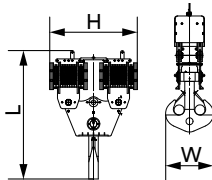
Length (L)	3.66m
Width (W)	1.83m
Height (H)	1.10m
Weight	11.9t



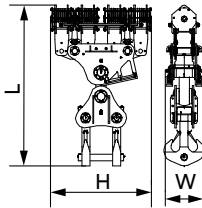
350T hook ×1

Length (L)	4.02m
Width (W)	1.33m
Height (H)	2.04m
Weight	13.3t

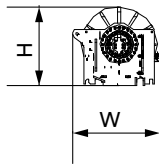
Transport Dimension



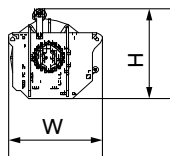
800T hook	×1
Length (L)	5.06m
Width (W)	1.89m
Height (H)	3.45m
Weight	22.3t



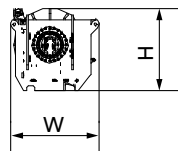
1250T hook	×1
Length (L)	6.72m
Width (W)	1.69m
Height (H)	4.16m
Weight	35.9t



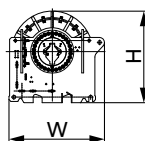
Main load hoist winch	×2
Length (L)	2.15m
Width (W)	1.68m
Height (H)	1.50m
Weight	12.7t



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

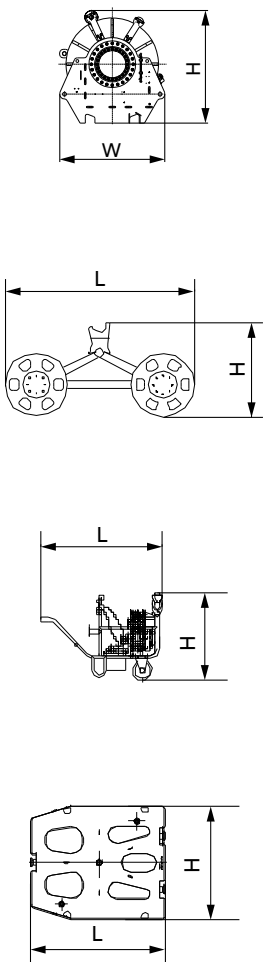


Jib luffing winch	×1
Length (L)	2.06m
Width (W)	1.76m
Height (H)	1.63m
Weight	10.9t



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

Transport Dimension



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.

Superlift luffing winch	×1
Length (L)	2.15m
Width (W)	1.64m
Height (H)	1.75m
Weight	12.65t

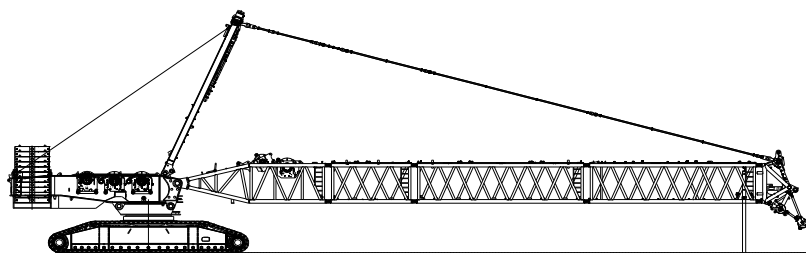
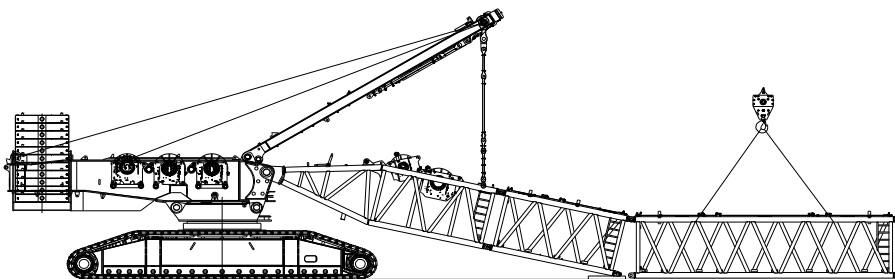
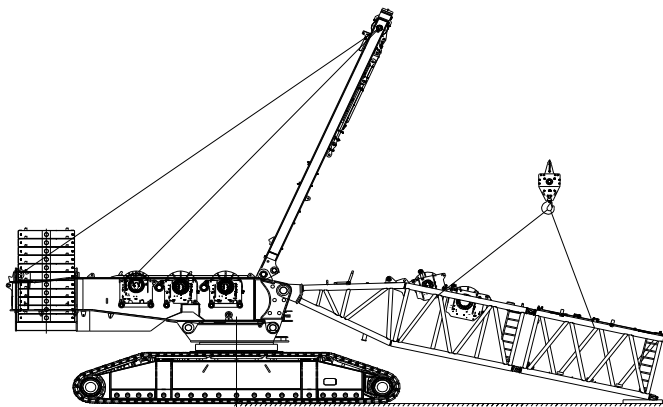
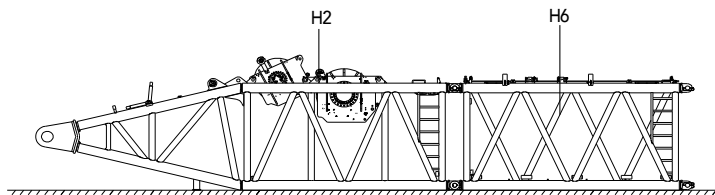
Trolley	×1
Length (L)	3.10m
Width (W)	2.14m
Height (H)	1.40m
Weight	1.8t

Portable power pack	×1
Length (L)	1.55m
Width (W)	0.70m
Height (H)	1.08m
Weight	0.2t

10T counterweight block	×70
Length (L)	2.85m
Width (W)	0.49m
Height (H)	4.16m
Weight	10.0t

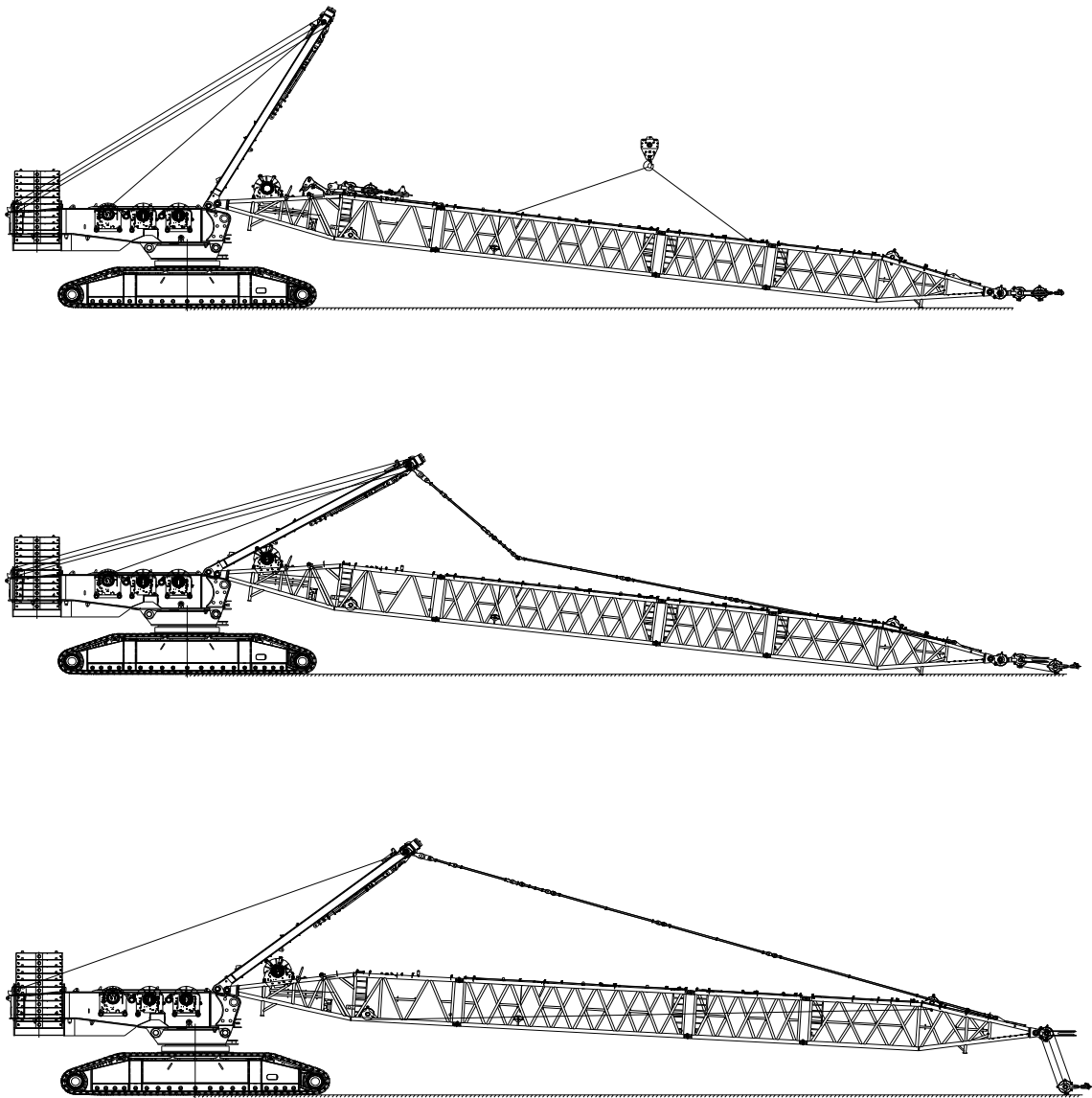
Assembly procedure

1. Boom assembly



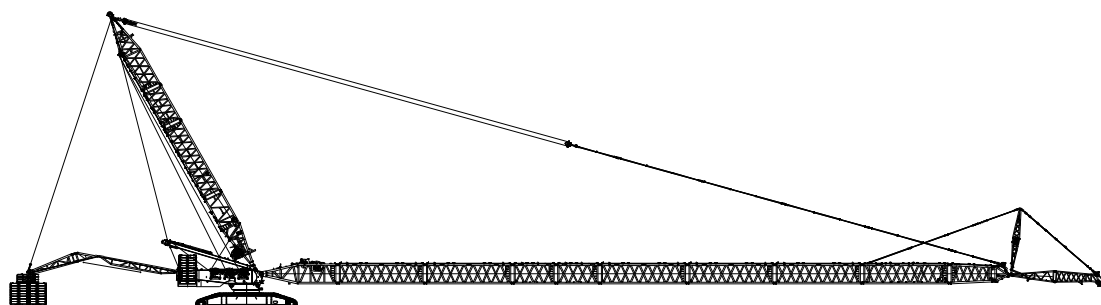
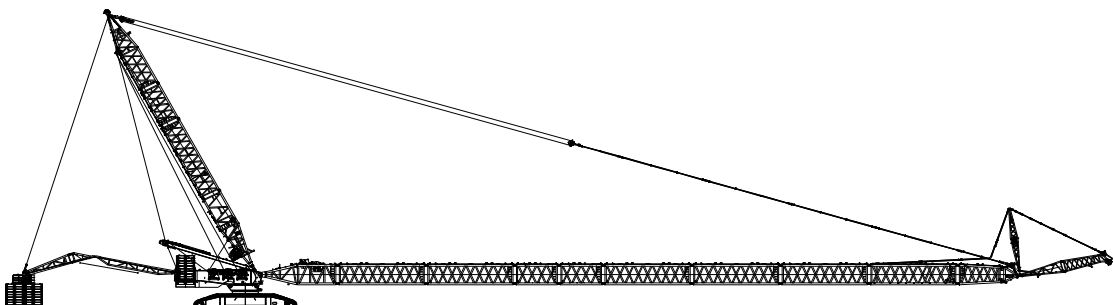
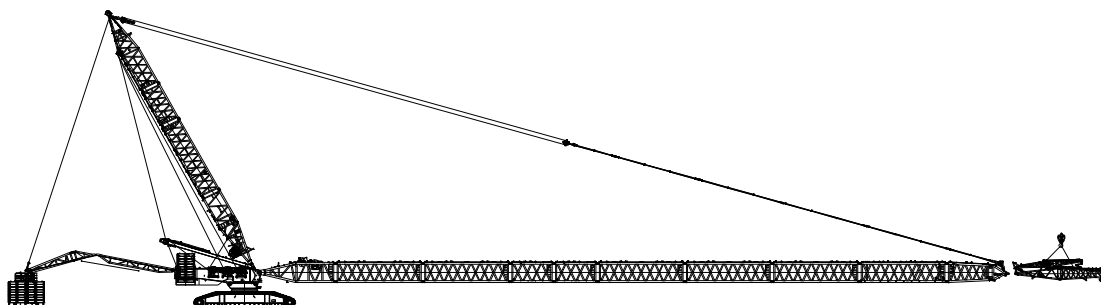
Assembly procedure

2. Superlift mast assembly



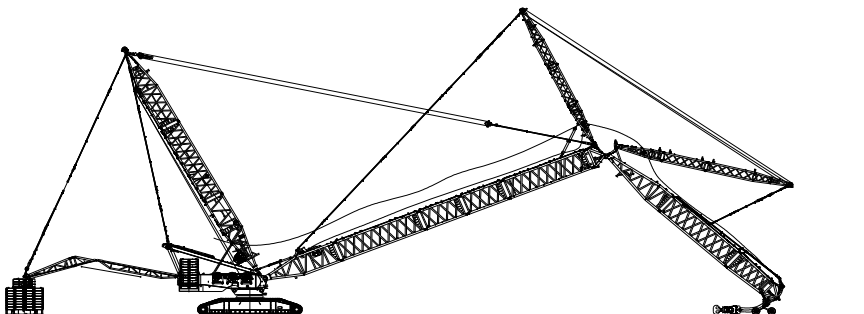
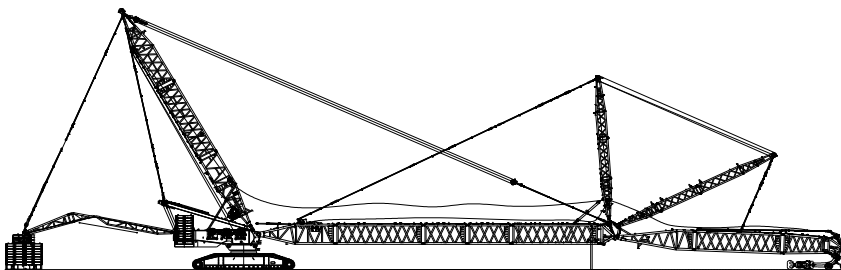
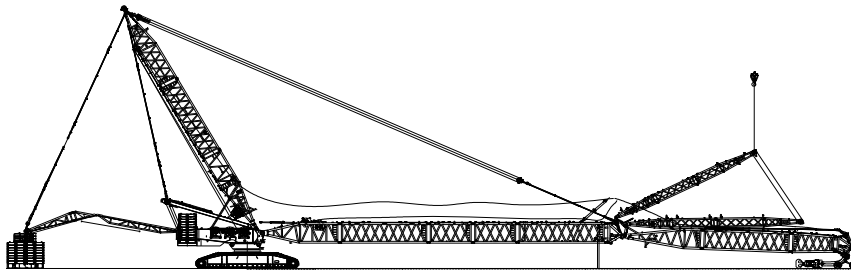
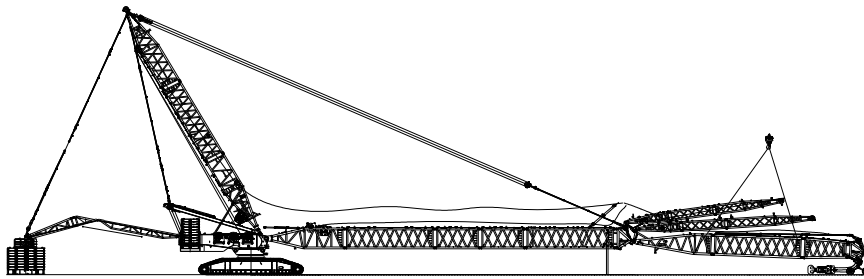
Assembly procedure

3. Fixed jib assembly



Assembly procedure

4. Luffing jib assembly





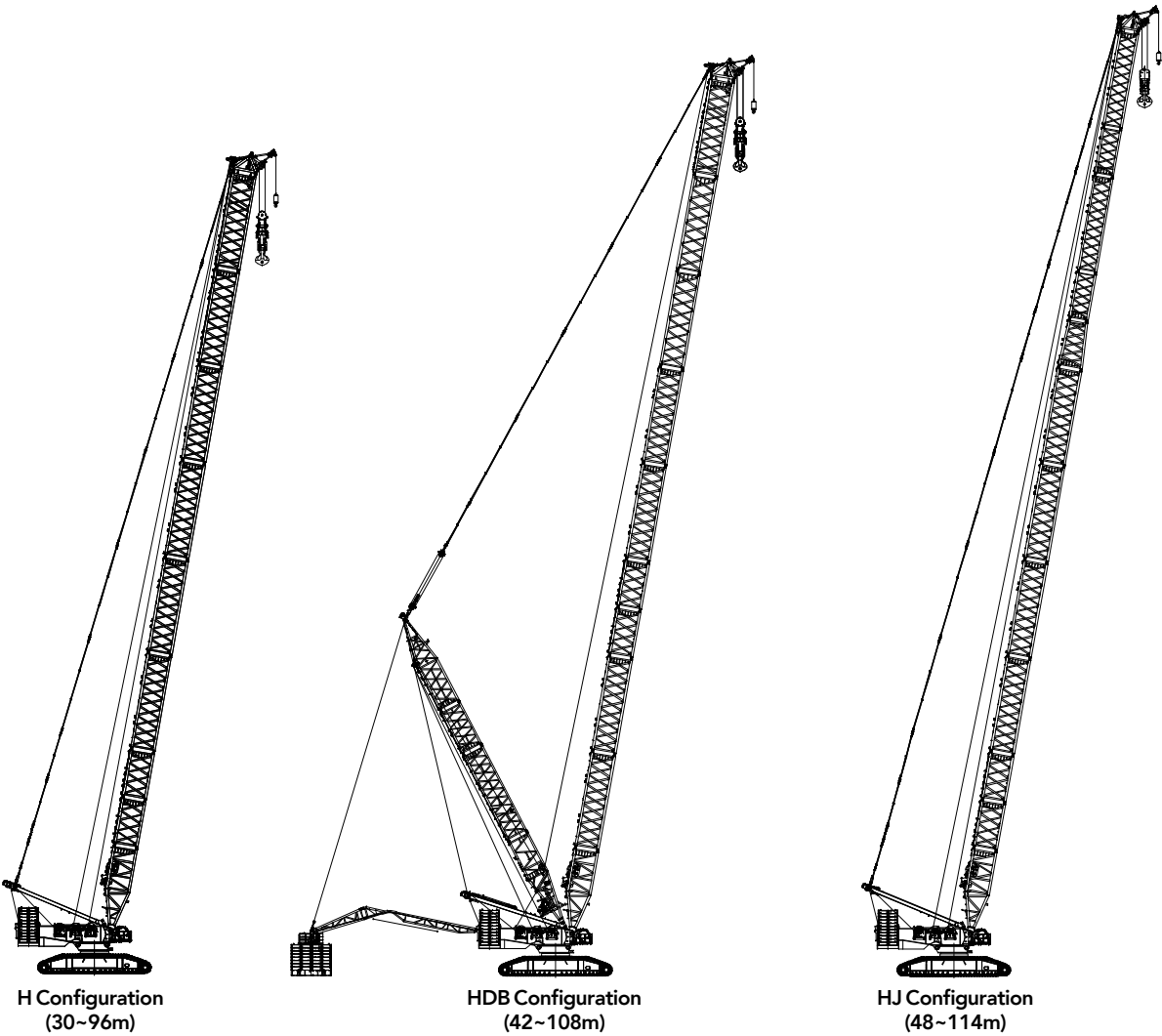
SCC12500A **SANY CRAWLER CRANE** **1250 TONS LIFTING CAPACITY**

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 42 LJ Configuration
- page 47 LJDB Configuration
- page 60 HJFJDB Configuration

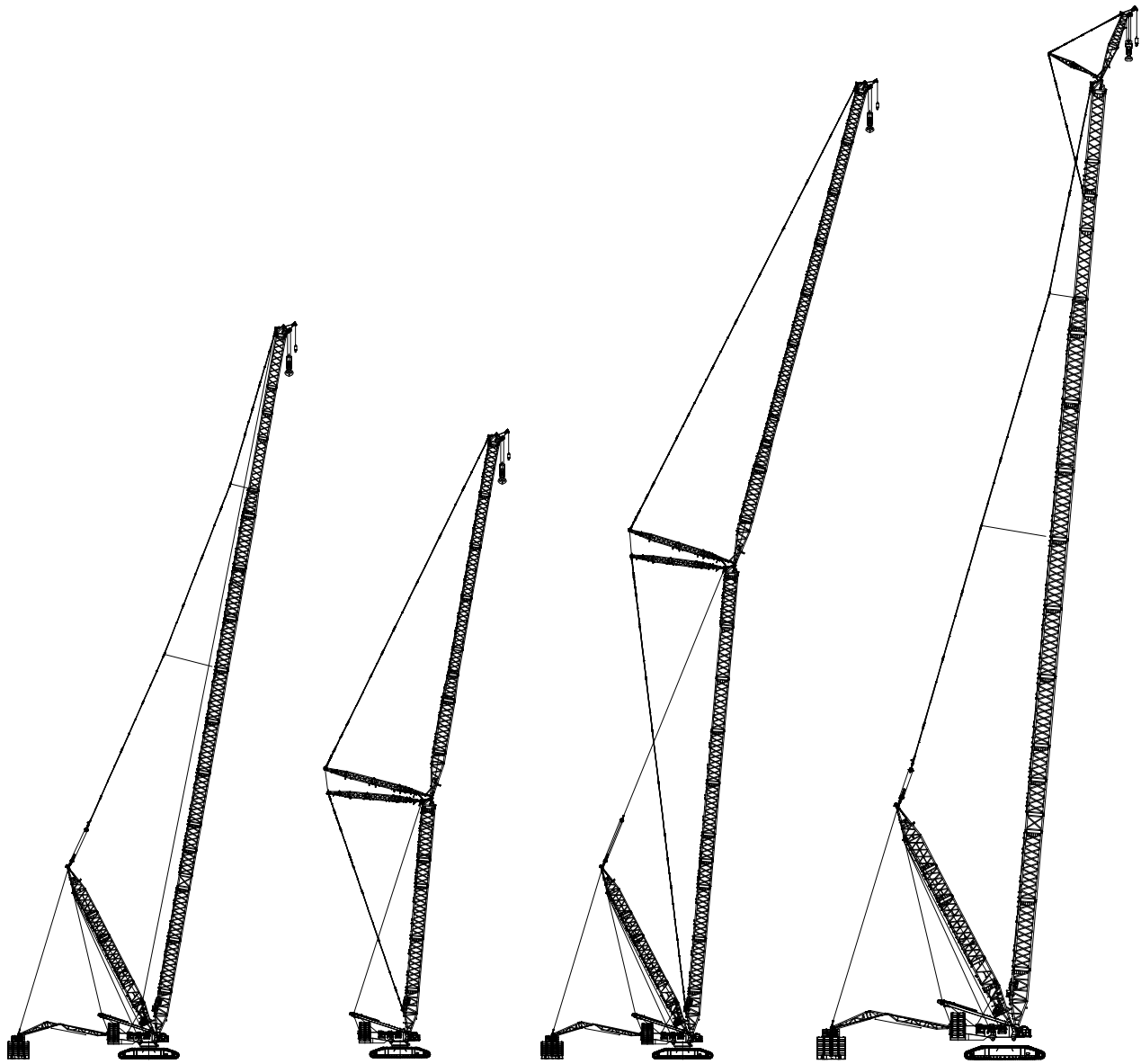
Combination



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
(42~108m+30~114m)

HJFJDB Configuration
(102~165m)+12m

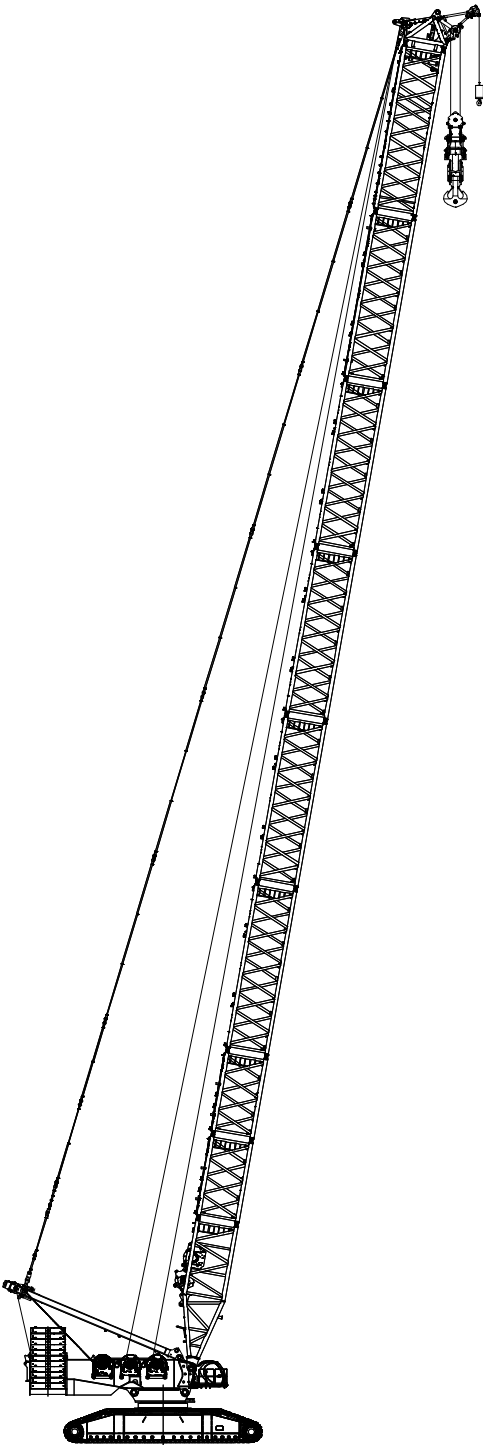
Configuration	Boom combination	Boom length
HJDB	Mixed boom + Superlift mast + Superlift counterweight	84m~165m
LJ	Boom + luffing jib	42m~54m+30m~114m
LJDB	Boom + luffing jib + Superlift mast + Superlift counterweight	42m~108m+30m~114m
HJFJDB	mixed boom +fixed jib +Superlift mast + Superlift counterweight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

Note: The schematics above are reference for loading only.

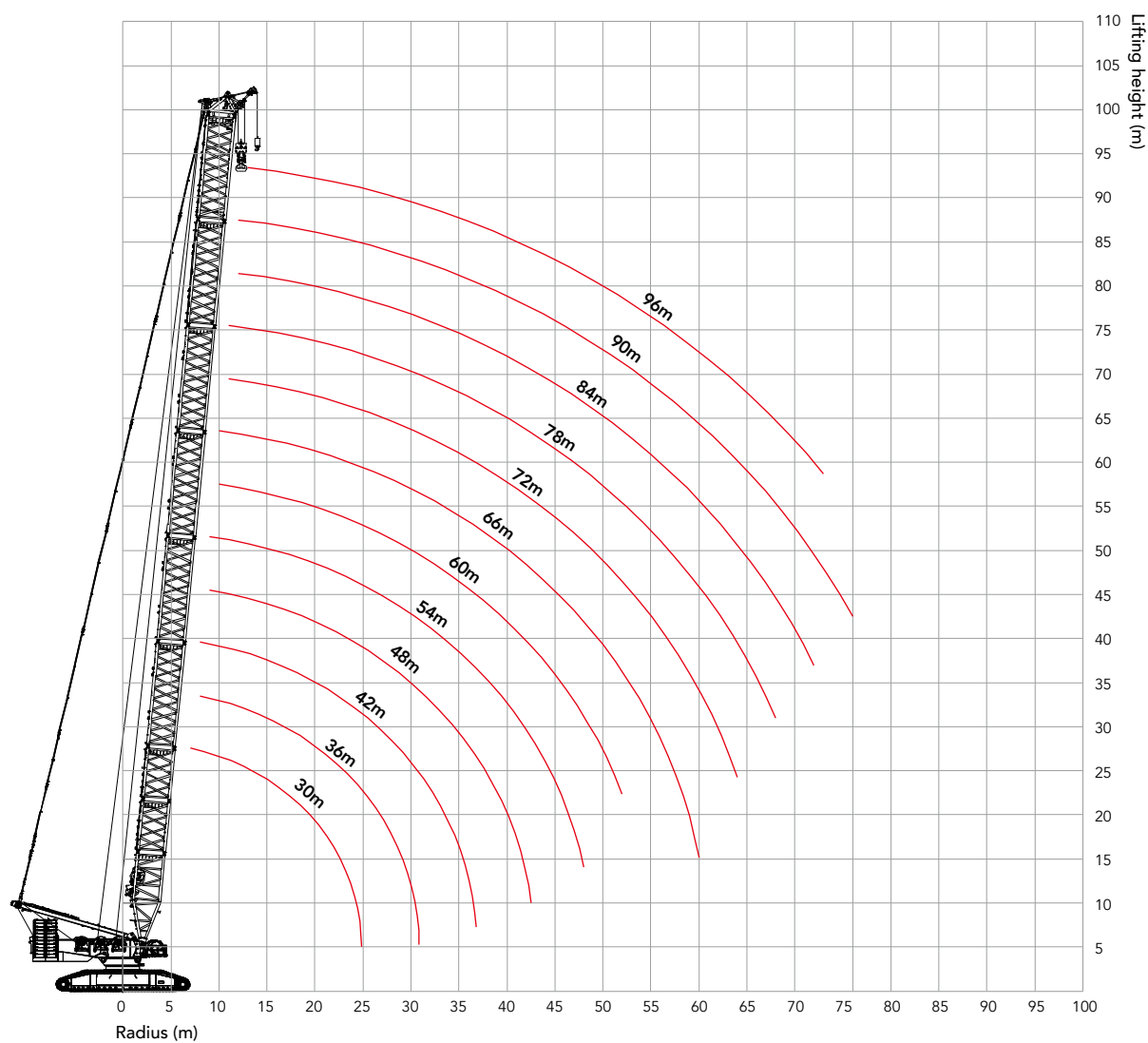
Boom combination in H

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.



Working range of H



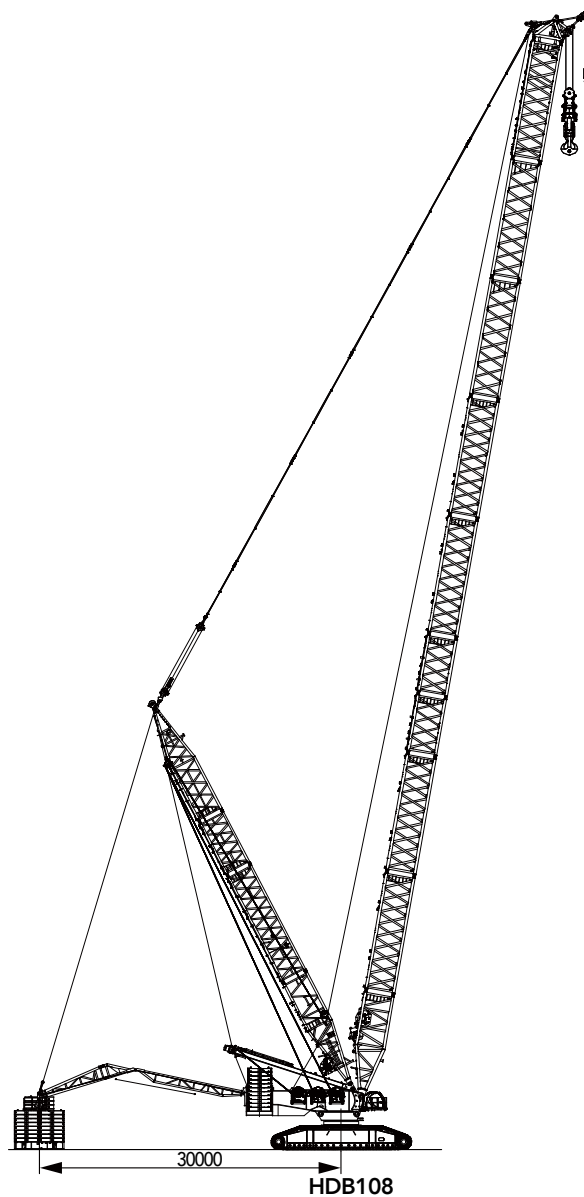
Load chart of H Configuration

SCC12500A Crawler Crane - H Configuration													
Boom length 30~96m, Rear counterweight 250t, Carbody counterweight 90t													
BL/R (m)	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	72.5	38
40				85.3	83.1	80.3	78.2	75.3	72.9	69.8	68.4	65.3	40
44				72.7	70.6	68.0	65.9	62.9	60.5	57.5	56.1	53.0	44
48					60.2	57.6	55.5	52.6	50.3	47.2	45.8	42.7	48
52						48.8	46.8	43.9	41.6	38.5	37.2	34.1	52
56							39.2	36.4	34.1	31.1	29.7	26.6	56
60							32.6	29.9	27.6	24.6	23.3	20.2	60
64								24.1	21.9	18.9	17.6	14.5	64
68									16.8	13.9	12.6	9.5	68
72										9.3	8.1	5.1	72
76											4.1	1.1	76
80											0.4		80

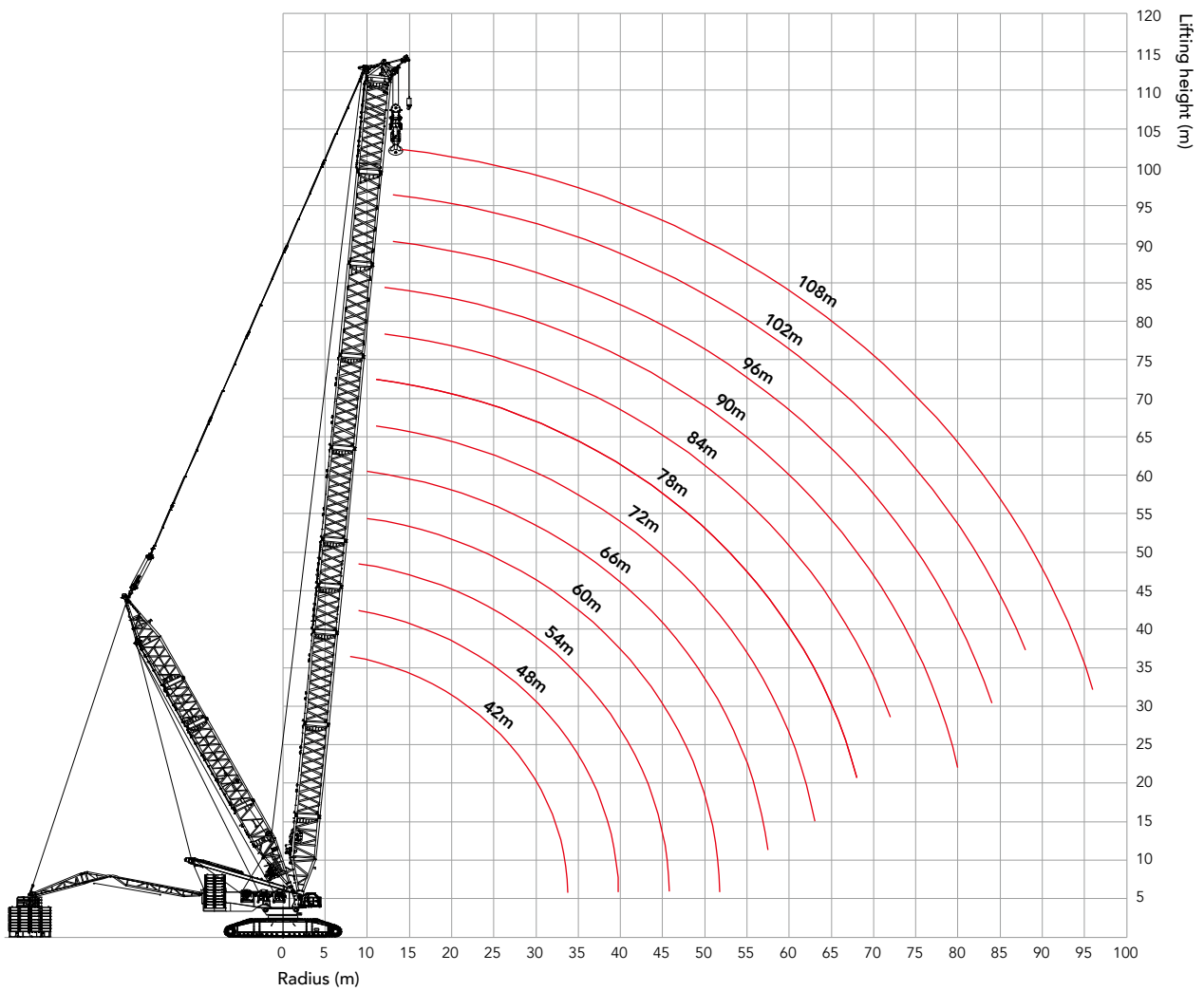
Boom combination in HDB

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 H



Unit: t

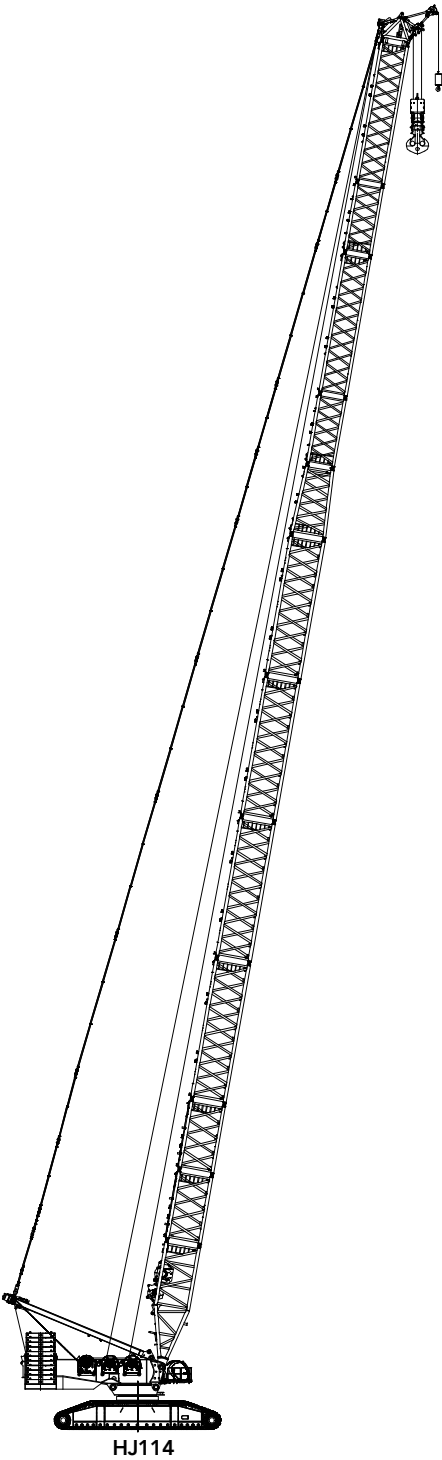
Load chart of HDB Configuration

SCC12500A Crawler Crane - HDB Configuration													
Boom length 42~108m, Superlift radius 30m, Superlift counterweight 450t, Rear counterweight 250t, Carbody counterweight 90t													
BL/R (m)	42	48	54	60	66	72	78	84	90	96	102	108	BL/R (m)
8	1250*												8
9	1250*	1186*	1038*										9
10	1250*	1186*	1038*	925*	848*								10
11	1250*	1186*	1038*	925*	848*	771*	693*						11
12	1250*	1186*	1038*	925*	848*	771*	693*	654*	615*				12
13	1222*	1186*	1038*	925*	848*	771*	693*	654*	615*	575*	535*		13
14	1222*	1186*	1038*	925*	848*	771*	693*	654*	615*	575*	535*	495*	14
15	1144*	1141*	1038*	925*	848*	771*	693*	654*	615*	575*	535*	495*	15
16	1073	1070	1038*	925*	848*	771*	732*	654*	615*	575*	535*	495*	16
17	1010	1007	1005	962*	848*	771*	732*	654*	615*	575*	535*	495*	17
18	954	950	949	946	848*	771*	732*	654*	615*	575*	535*	495*	18
19	903	900	898	896	848*	771*	732*	654*	615*	575*	535*	495*	19
20	857	854	852	850	847	771*	732*	654*	615*	575*	535*	495*	20
22	776	773	772	770	767	765	732	654*	615*	575*	535*	495*	22
24	704	701	700	697	695	693	691	654	615*	575*	535*	495*	24
26	643	641	639	637	635	632	630	628	615	575*	535*	495*	26
28	592	589	588	585	583	581	579	576	575	573	535	495*	28
30	548	545	543	541	539	536	535	532	531	528	527	524	30
32	509	507	505	502	500	498	496	493	492	489	488	485	32
34	475	473	471	469	466	464	462	459	458	455	454	451	34
36	445	443	441	438	436	434	432	429	428	425	424	421	36
38	418	416	414	412	410	407	405	402	401	399	397	394	38
40		392	390	388	385	383	381	378	377	374	373	370	40
44		350	348	346	344	341	340	337	336	333	332	329	44
48			314	312	310	307	305	302	302	299	297	294	48
52				283	281	278	276	273	272	270	268	265	52
56					256	253	251	249	248	245	244	241	56
60					234	232	230	227	226	223	222	219	60
64						213	211	208	207	205	203	200	64
68							194	192	191	188	187	184	68
72								177	176	173	172	169	72
76									163	160	159	156	76
80									151	148	147	144	80
84										137	136	133	84
88											127	124	88
92												115	92
96												107	96

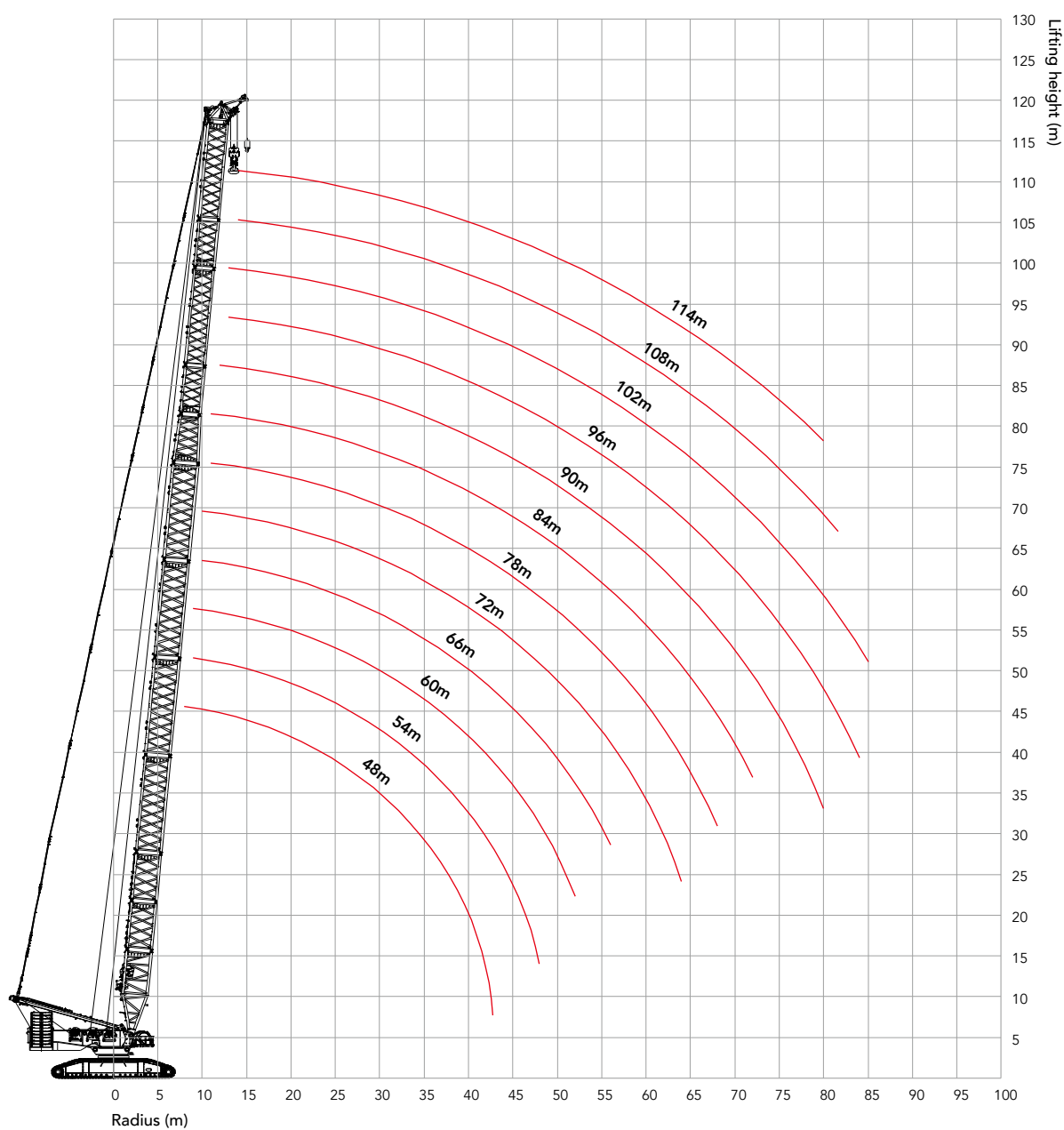
Boom combination in HJ

Boom combination in HJ Configuration					
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.



Working range of HJ



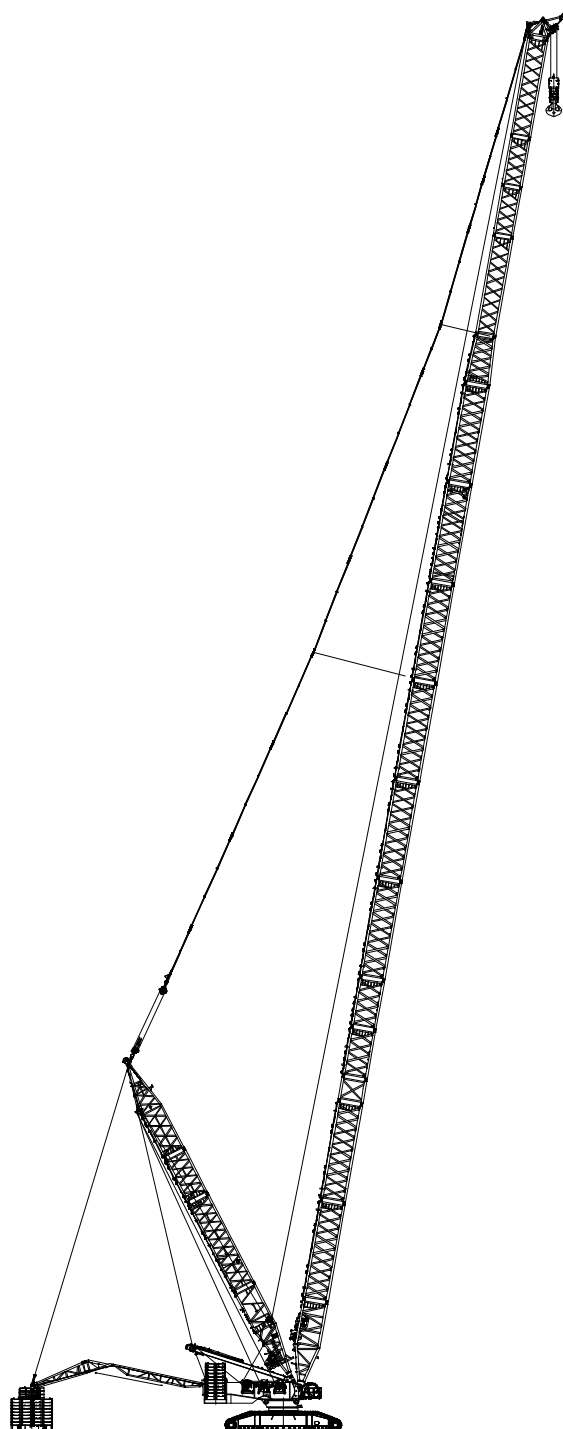
Load chart of HJ Configuration

SCC12500A Crawler Crane - HJ Configuration													
Boom length 48~114m, Rear counterweight 250t, Carbody counterweight 90t													
BL/R (m)	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	24.8	64
68						31.4	28.5	26.1	23.0	24.4	21.3	19.9	68
72							24.0	21.6	18.6	20.0	16.9	15.5	72
76								17.7	14.7	16.0	13.0	11.6	76
80								14.1	11.1	12.5	9.5	8.0	80
84									7.8	9.2	6.2	4.8	84
88										6.3	3.3	1.9	88
92											0.6		92

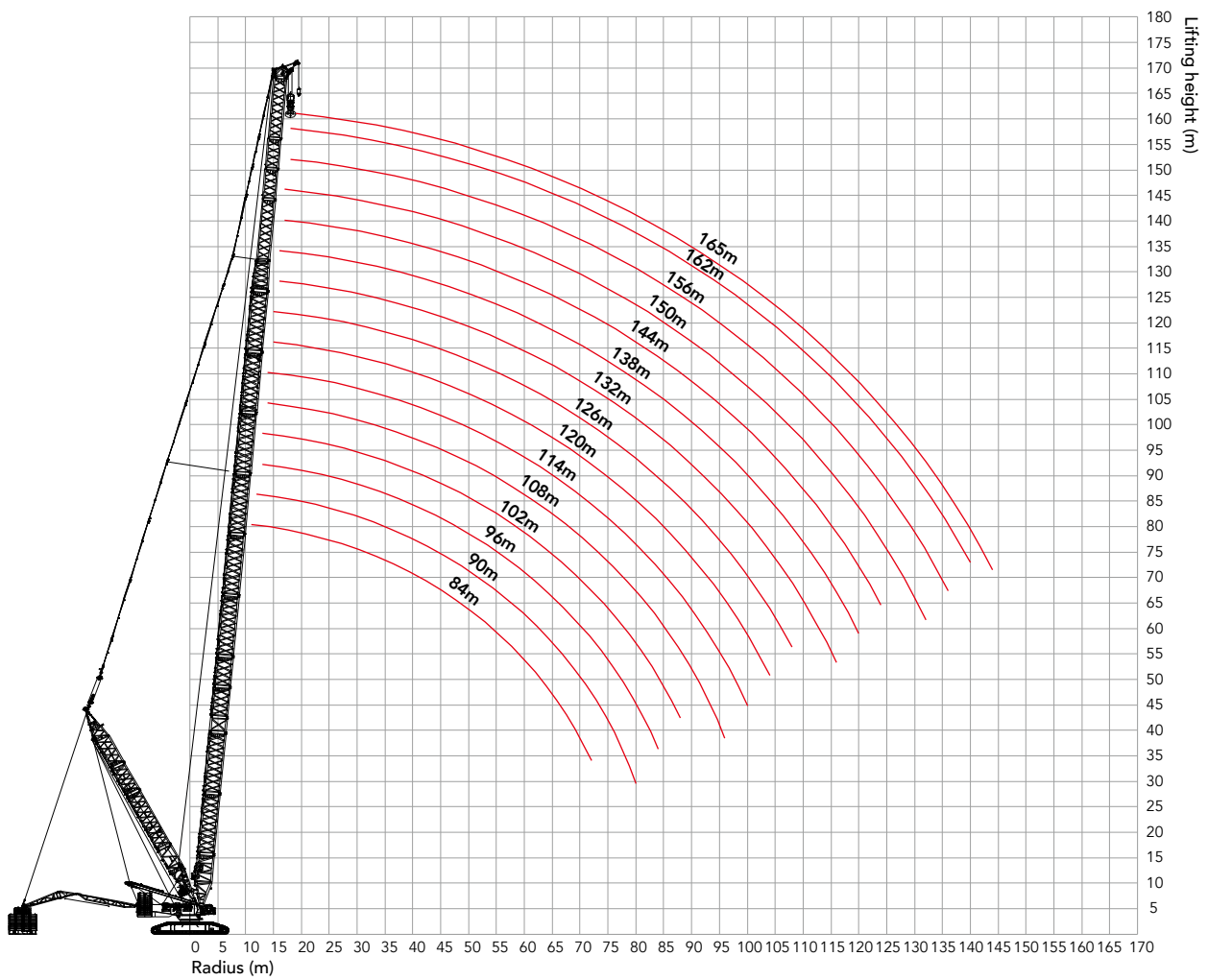
Boom combination in HJDB

Boom combination in HJDB Configuration									
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



Unit: t

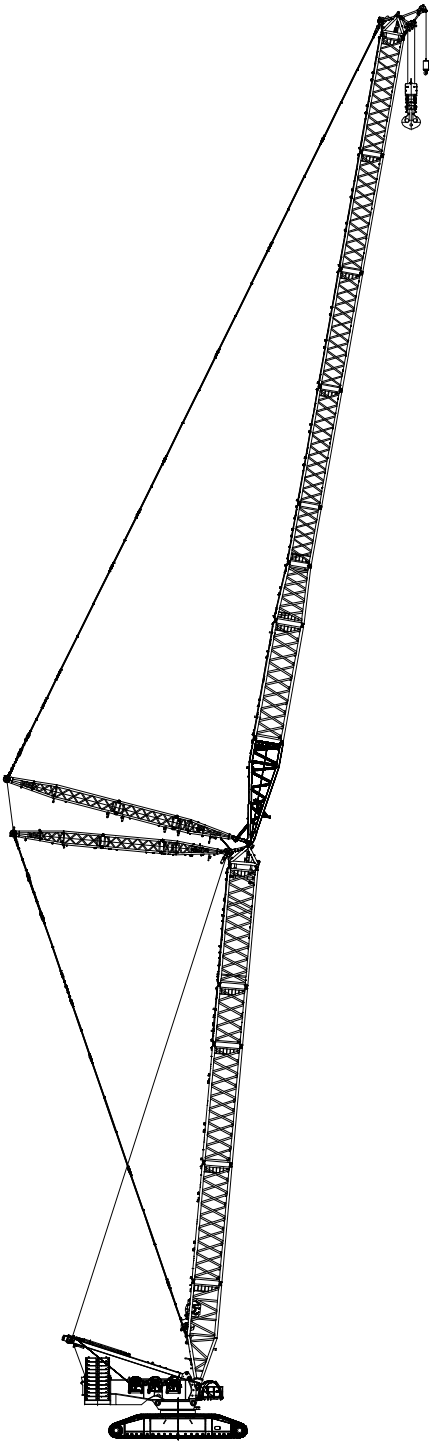
Load chart of HJDB Configuration

SCC12500A Crawler Crane - HJDB Configuration																
Boom length 84~165m, Superlift radius 30m, Superlift counterweight 450t, Rear counterweight 250t, Carbody counterweight 90t																
BL/R (m)	84	90	96	102	108	114	120	126	132	138	144	150	156	162	165	BL/R (m)
11	650*															11
12	650*	615*														12
13	650*	615*	575*	535*												13
14	650*	615*	575*	535*	495*	455*										14
15	650*	615*	575*	535*	495*	455*	419*	378*								15
16	650*	615*	575*	535*	495*	455*	419*	380*	338*	303*						16
17	650*	615*	575*	535*	495*	455*	419*	380*	339*	303*	271*	243*				17
18	650*	615*	575*	535*	495*	479*	418*	379*	339*	305*	272*	243*	220*	195*		18
19	650*	615*	575*	535*	495*	479*	420*	379*	338*	305*	272*	244*	219*	195*	187*	19
20	650*	615*	575*	535*	495*	481*	420*	380*	339*	304*	273*	244*	219*	194*	186*	20
22	650*	615*	575*	535*	495*	480*	421*	381*	340*	306*	273*	244*	219*	193*	185*	22
24	650	615*	575*	535*	495*	481*	421*	380*	340*	305*	273*	245*	219*	192*	184*	24
26	637	615	575*	535*	495*	482*	422*	380*	340*	306*	274*	245*	218*	191*	183*	26
28	586	583	575	535*	495*	483*	421*	380*	340*	306*	273*	244*	217*	190*	182*	28
30	542	538	537	533	531	483*	421*	380*	340*	305*	273*	244*	216*	189*	181*	30
32	503	500	499	494	493	483	421*	380*	339*	306*	274*	243*	214*	187*	180*	32
34	469	466	465	460	459	456	421*	380*	339*	306*	274*	241*	213*	186*	178*	34
36	439	436	435	430	429	425	420	379*	338*	306*	274*	240*	212*	185*	177*	36
38	412	409	408	403	402	399	398	381	335*	306*	272*	239*	210*	183*	176*	38
40	388	385	384	379	378	375	374	371	333*	306*	271*	237*	209*	182*	175*	40
44	347	344	343	338	336	333	333	330	328	304	268*	235*	206*	179*	172*	44
48	313	309	308	304	302	299	299	295	294	294	265*	232*	203*	176*	169*	48
52	284	280	279	275	273	270	270	266	265	265	261	229*	200*	173*	167*	52
56	259	256	255	250	248	245	245	242	240	240	238	225	197*	170*	164*	56
60	238	234	233	229	227	224	224	220	219	219	217	215	194	167*	161*	60
64	219	216	215	210	208	205	205	202	200	200	198	197	191	164*	158*	64
68	203	199	198	193	192	189	188	185	184	184	182	180	180	161	156*	68
72	188	185	183	179	177	174	174	171	169	169	167	166	165	158	153	72
76		172	170	166	164	161	161	158	156	156	154	153	152	150	149	76
80		160	159	154	152	149	149	146	145	144	142	141	141	139	137	80
84			148	143	142	139	138	135	134	134	132	131	130	128	127	84
88				134	132	129	129	126	124	124	122	121	121	119	117	88
92					123	120	120	117	115	115	113	112	112	110	108	92
96					115	112	112	109	107	107	105	104	104	102	100	96
100						105	104	101	100	100	98.4	97.3	96.9	95.0	93.4	100
104							98.0	94.9	93.6	93.6	91.5	90.4	90.0	88.2	86.6	104
108								88.5	87.2	87.2	85.2	84.1	83.7	81.9	80.3	108
112									81.3	81.3	79.3	78.2	77.9	76.1	74.4	112
116									75.7	75.8	73.8	72.7	72.4	70.6	69.0	116
120										70.7	68.7	67.6	67.3	65.5	63.9	120
124											63.8	62.8	62.5	60.7	59.1	124
128												58.3	58.0	56.2	54.6	128
132												54.1	53.8	52.0	50.4	132
136													49.8	48.0	46.4	136
140														44.3	42.7	140
144															39.1	144

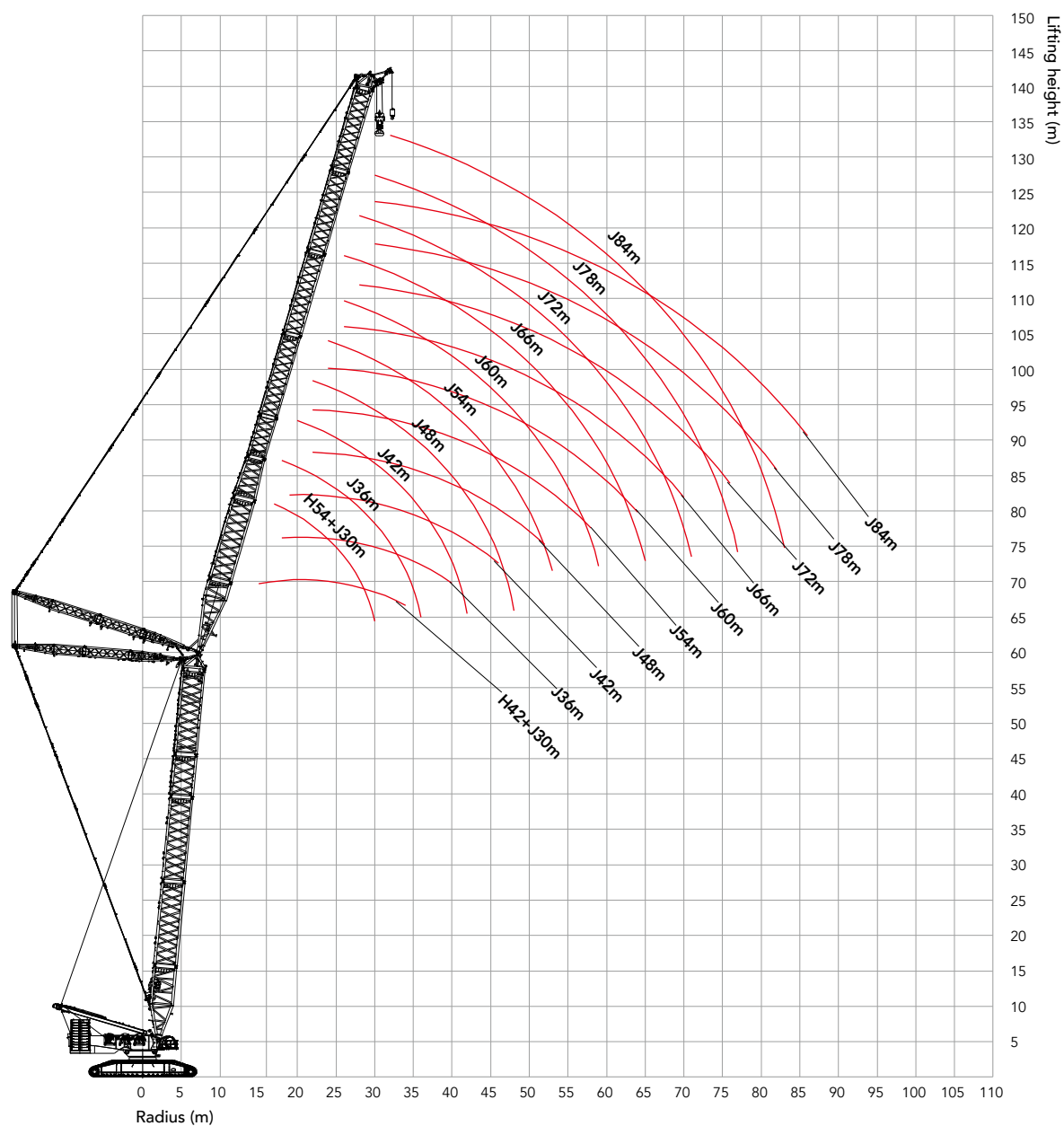
Boom combination in LJ

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.



Working range of LJ



Load chart of LJ Configuration

SCC12500A Crawler Crane - LJ Configuration 1/3

Boom length 42m, Boom angle 85°, Jib length 30-84m, Rear counterweight 250t, Carbody counterweight 90t.

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	84
86										27.4	86

Unit: t

Load chart of LJ Configuration

SCC12500A Crawler Crane - LJ Configuration 2/3

Boom length 48m, Boom angle 85°, Jib length 30-84m, Rear counterweight 250t, Carbody counterweight 90t.											
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

SCC12500A Crawler Crane - LJ Configuration 3/3

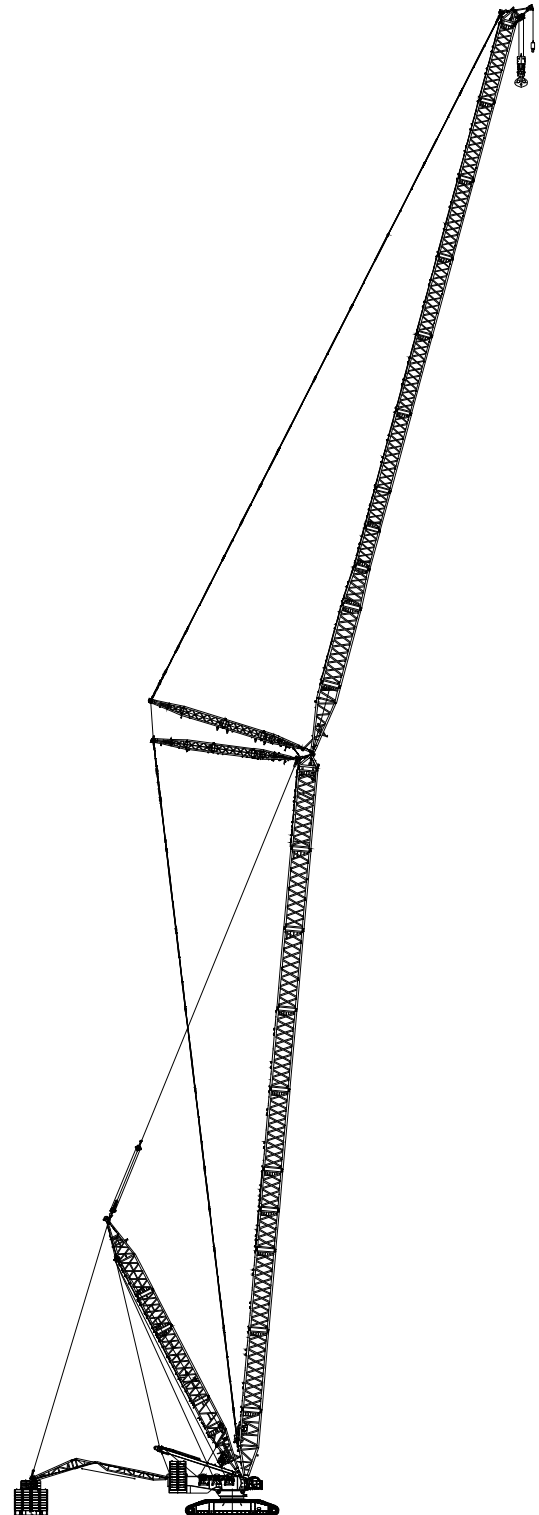
Boom length 54m, Boom angle 85°, Jib length 30-84m, Rear counterweight 250t, Carbody counterweight 90t.

BL/R (m)	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

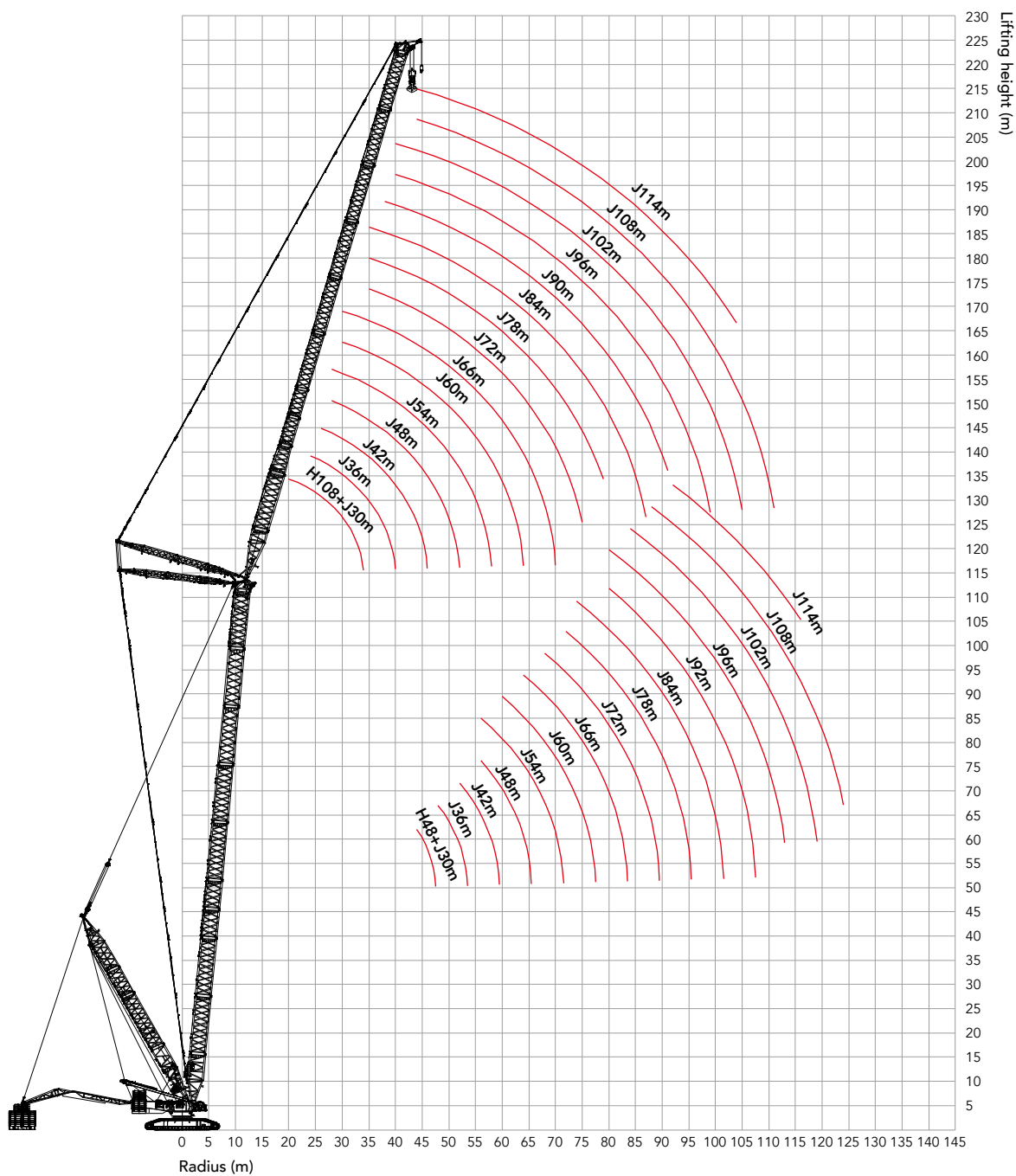
Boom combination in LJDB

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

SCC12500A Crawler Crane - LJDB Configuration 1/11																
Boom length 48m, Boom angle 85°, Jib length 30-114m, Superlift radius 30m, Superlift counterweight 450t, 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)
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*	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

SCC12500A Crawler Crane - LJDB Configuration 2/11																
Boom length 54m, Boom angle 85°, Jib length 30-114m, Superlift radius 30m, Superlift counterweight 450t, 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)
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

Unit: t

Load chart of LJDB Configuration

SCC12500A Crawler Crane - LJDB Configuration 3/11

Boom length 60m, Boom angle 85°, Jib length 30-114m, Superlift radius 30m, Superlift counterweight 450t,
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*	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*	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

SCC12500A Crawler Crane - LJDB Configuration 4/11																
Boom length 66m, Boom angle 85°, Jib length 30-114m, Superlift radius 30m, Superlift counterweight 450t, 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	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

Unit: t

Load chart of LJDB Configuration

SCC12500A Crawler Crane - LJDB Configuration 5/11																
Boom length 72m, Boom angle 85°, Jib length 30-114m, Superlift radius 30m, Superlift counterweight 450t, 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)
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

SCC12500A Crawler Crane - LJDB Configuration 6/11																
Boom length 78m, Boom angle 85°, Jib length 30-114m, Superlift radius 30m, Superlift counterweight 450t, 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)
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

Unit: t

Load chart of LJDB Configuration

SCC12500A Crawler Crane - LJDB Configuration 7/11																
Boom length 84m, Boom angle 85°, Jib length 30-114m, Superlift radius 30m, Superlift counterweight 450t, 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)
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*	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

SCC12500A Crawler Crane - LJDB Configuration 8/11																
Boom length 90m, Boom angle 85°, Jib length 30-114m, Superlift radius 30m, Superlift counterweight 450t, 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)
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*	60.3*	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

Unit: t

Load chart of LJDB Configuration

SCC12500A Crawler Crane - LJDB Configuration 9/11																
Boom length 96m, Boom angle 85°, Jib length 30-114m, Superlift radius 30m, Superlift counterweight 450t, 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	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

SCC12500A Crawler Crane - LJDB Configuration 10/11

Boom length 102m, Boom angle 85°, Jib length 30-114m, Superlift radius 30m, Superlift counterweight 450t,
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

Unit: t

Load chart of LJDB Configuration

SCC12500A Crawler Crane - LJDB Configuration 11/11																
Boom length 108m, Boom angle 85°, Jib length 30-114m, Superlift radius 30m, Superlift counterweight 450t, 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	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*	45.6*	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

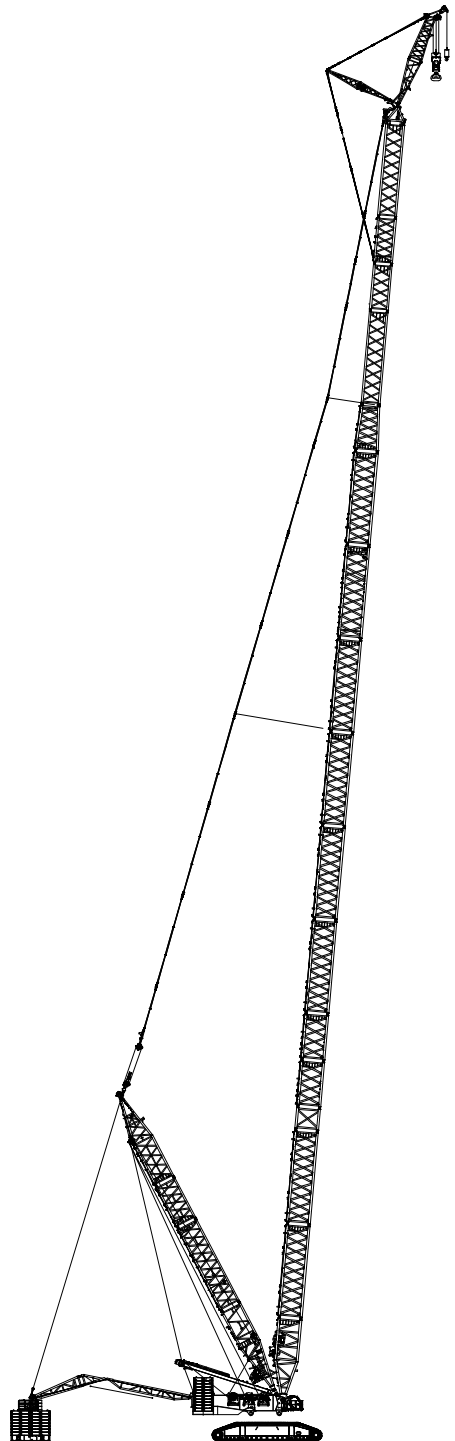
Boom combination in HJFJDB

Boom combination in HJFJDB Configuration

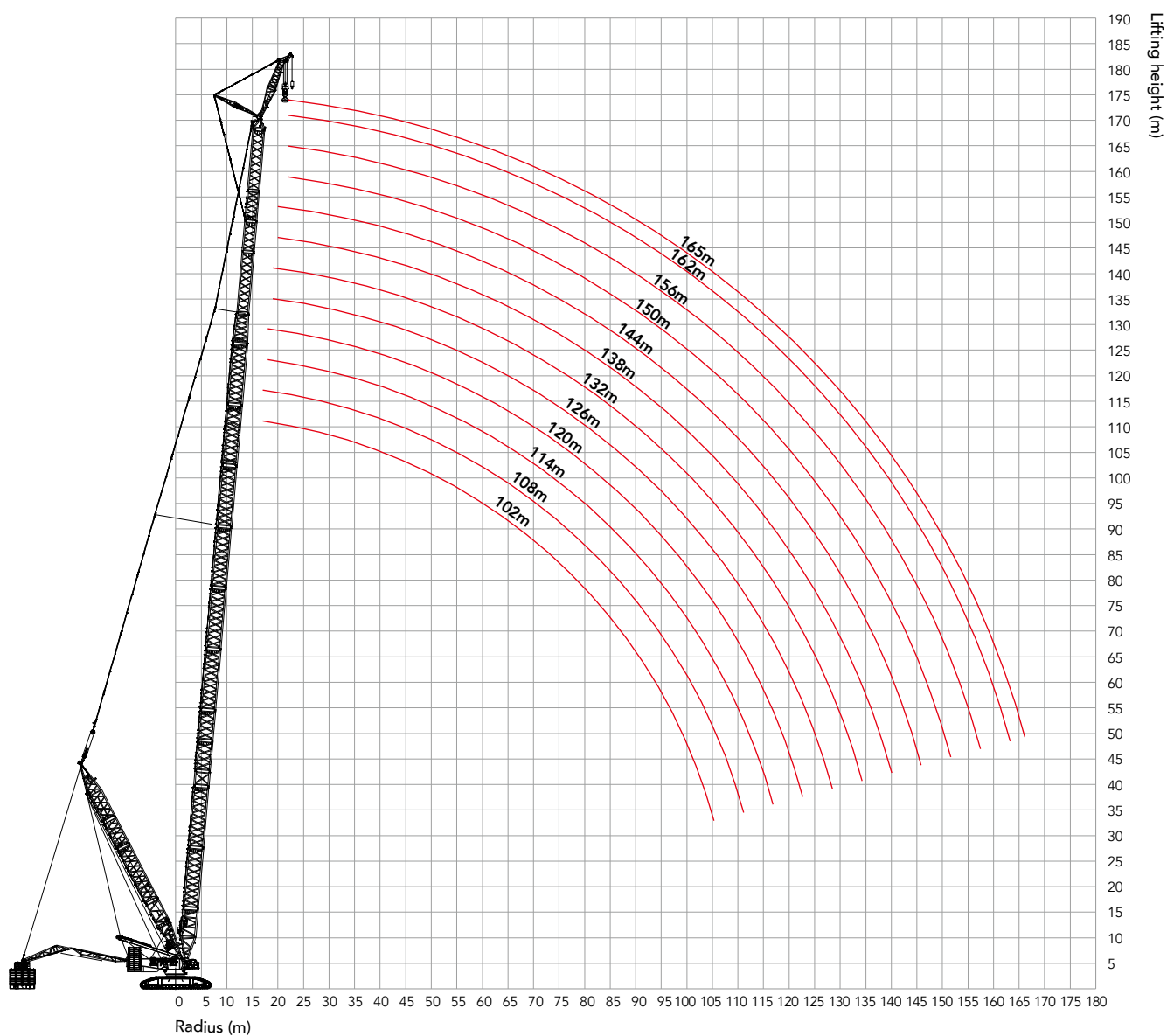
Boom length(m)	boom insert							jib insert	
	3m	6m	12mA	12mB	12mC	12mD	H4	6m	12mA
102	-	2	2	2	1	-	1	-	-
108	-	1	2	2	2	-	1	-	-
114	-	2	2	2	2	-	1	-	-
120	-	1	2	2	2	1	1	-	-
126	-	2	2	2	2	1	1	-	-
132	-	2	2	2	2	1	1	1	-
138	-	2	2	2	2	1	1	-	1
144	-	2	2	2	2	1	1	1	1
150	-	2	2	2	2	1	1	2	1
156	-	2	2	2	2	1	1	1	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 $\geq 138\text{m}$, the mid-point suspension cable must be used, otherwise, the boom system may break.



Working range of HJFJDB



Load chart of HJFJDB Configuration

SCC12500A Crawler Crane - HJFJDB Configuration

Boom length 102~165m, Jib length 12m, Boom to jib angle 15°, Superlift radius 30m, Superlift counterweight 450t,
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	148	147	141	126	113*	115	80
84	137	137	137	136	134	131	138	136	135	124	110	113	84
88	134	134	133	132	129	128	128	126	125	121	107	111	88
92	128	127	124	123	120	119	119	117	116	115	104	109	92
96	120	118	115	115	112	111	111	109	108	107	102	104	96
100	112	111	108	107	104	103	103	101	100	100	98.4	96.8	100
104	105	103	101	100	97.8	96.5	96.4	94.5	93.4	93.0	91.4	89.8	104
108	98.6	97.3	94.5	94.1	91.2	89.9	89.9	87.9	86.9	86.5	84.9	83.3	108
112	92.3	91.1	88.3	88.0	85.1	83.9	83.8	81.9	80.9	80.5	78.9	77.2	112
116		85.2	82.6	82.3	79.5	78.2	78.2	76.3	75.2	74.9	73.2	71.6	116
120		79.6	77.1	76.9	74.1	72.9	72.9	71.0	70.0	69.6	68.0	66.4	120
124			71.9	71.9	69.1	67.9	67.9	66.0	65.0	64.7	63.1	61.4	124
128				67.0	64.3	63.2	63.2	61.4	60.4	60.1	58.4	56.8	128
132				62.3	59.8	58.7	58.8	57.0	56.0	55.7	54.1	52.5	132
136					55.4	54.5	54.6	52.8	51.9	51.6	50.0	48.4	136
140						50.4	50.6	48.8	47.9	47.7	46.1	44.5	140
144						46.3	46.8	45.1	44.2	44.0	42.4	40.8	144
148							43.1	41.5	40.7	40.4	38.9	37.3	148
152								38.0	37.3	37.1	35.6	34.0	152
156								34.5	34.0	33.9	32.4	30.8	156
160									30.8	30.8	29.3	27.8	160
164										27.7	26.4	24.9	164
168										24.7	23.5	22.0	168
172											20.7	19.3	172
176												16.6	176



Zhejiang SANY Equipment Co., Ltd.

SANY Industrial Park, No. 2087 Daishan Road, Wuxing District, Huzhou City,
Zhejiang Province, P. R. of China Zip 313028

After-sales Service 400 887 8318

Consulting 400 887 9318

— Agent information —

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