SANY®

SCC9000A

Crawler Crane
900 Tons Lifting Capacity

Quality Changes the World

Max. lifting moment: 13800t·m
Max. boom length: 99m
Max. luffing jib combination: 99m+96m

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

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Crawler Crane Series
SCC9000A

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Main Characteristics

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Product Specification

Appearance

- Porsche-designed wide cab obtains beautiful industrial modeling. 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 armrest boxes and auxiliary control boxes 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 highstrength steel welded frame structure is adopted. Larger carbody design significantly improves the stability of the overall crane. The carbody counterweight is 80t (40t in the front and rear respectively), and it can realize self-assembly.

Crawler Assembly

- Crawler frames: each crawler frame is equipped with independent traveling driving devices. The planetary gear tapered 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 gasket position can be adjusted to achieve the ideal tension.

One-key Leveling of Outrigger

- 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

- Cummins (Euro Tier III), optional Euro Tier IV;
- Rated power: 447 kW;
- Rated speed: 1800 rpm;
- Maximum output torque: 2542 N·m;
- Speed at the maximum output torque: 1400 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;
- Only one hoist winch is needed for load below 400t, while for load above 400t, both load hoist winches are required. The main hoist winch I and main hoist winch II have synchronization function;
- The maximum number of parts of line is 60. The multilayer winding of rope-folding drum ensures no rope disorder. The gear box is featured in low noise, high efficiency, long service lift and easy access to oil change.

Main load hoist winch W1-1 (main load hoist winch 1) W1-2 (main load hoist winch 2)	Drum diameter	726mm
	Speed of rope in the outermost working layer	0-172m/min
	Diameter of wire rope	28mm
	Rope length	1450m
	Rated line pull	16.4t
Auxiliary Load Hoist Mechanism W2	Drum diameter	574mm
	Speed of rope in the outermost working layer	124m/min
	Diameter of wire rope	28mm
	Rope length	600m
	Rated 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	Drum diameter	574mm
	Speed of rope in the outermost working layer	63*2m/min
	Diameter of wire rope	28mm
	Rope length	800m
Jib luffing mechanism W4	Drum diameter	574mm
	Speed of rope in the outermost working layer	0~148m/min
	Diameter of wire rope	28mm
	Rope length	1050m
Superlift luffing mechanism W5	Drum diameter	574mm
	Speed of rope in the outermost working layer	0~140m/min
	Diameter of wire rope	32mm
	Rope length	1360m

Slewing mechanism

- The slewing hydraulic system adopts triple motor to drive the spur gear through the planetary gear box, which can realize 360° rotation, slewing speed of 0~0.5 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.
- 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.

Product Specification

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 24m (basic boom) to 99m (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 5 inserts of 12 m;
- 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×1, jib top 6m×1.

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 24m-96m;
- Compositions: jib base 10.5m×1, tapered section 6m×1, insert 6m×1), insert 12m×6, connecting tip 1.5m×1;
- 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×1, insert 6m×1, insert 12m×1, top 12m×1.

Superlift auxiliary strut device

- It is Y-type reversed structure, with tapered sections at top and two tapered sections connected with transition insert at bottom. The inserts have spatial lattice structure of welded tubes with equal section areas, and the jib top is strengthened with steel plates, which is easier for load transfer;
- Length of superlift auxiliary trut: 29.5m;
- Compositions: jib top 8.5m×1, insert 12m×1, transition section 3m×1, lower left insert 6m×1, lower right insert 6m×1.

Hook

- There are 8 types of hook available. The specific parameters are as follows:

Name of Hook Block	Maximum lifting capacity	QTY	Number of pulleys	Unit weight (t)
800t hook	800t	1	2×15	22.5
500t hook	500t	1	2×9	11.2
350t hook	350t	1	2×7	10.5
250t hook	250t	1	2×5	8.4
180t hook (double pulley block)	180t	1	2×3	6.6
150t hook (single pulley block)	150t	1	5	4.8
50t hook	50t	1	1	1.4
18t ball hook	18t	1	0	1

Note: The 800 t hook can be decomposed into 400 t hook.

Product Specification

Additional device

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

Counterweight

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

Name	Quantity	Length (m)	Width (m)	Height (m)	Unit weight (t)
Carbody counterweight	4	2.49	2.35	0.534	10.0
Carbody counterweight tray	2	5.44	2.98	1.06	20.0
Rear counterweight	20	2.49	2.35	0.555	10.0
Rear counterweight tray	2	3.45	2.82	2.7	15.0
Superlift counterweight	41	2.9	2.35	0.555	10.0
Superlift counterweight tray	1	9.7	2.64	1.87	33.5
Rear counterweight additional tray	1	4.12	2.95	1.92	15.0

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 625t, including superstructure, lower structure, main unit counterweight, central counterweight, 24m base boom and 800t hook.

Ground pressure

- The average ground bearing pressure of the crane with base boom is 0.2 MPa.

Gradeability

- The gradeability of the crane with base boom is 15%.

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

- With dual display and multi-camera system, each display can show 4 monitoring views at maximum. 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.

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.

Safety Devices

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 Traveling Alarm

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

Function Lock

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

Regulation of Engine Power Ultimate Load and Stalling Protection

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

Remote Monitoring System

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

Proactive Safety Control Technology

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

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Technical Parameters

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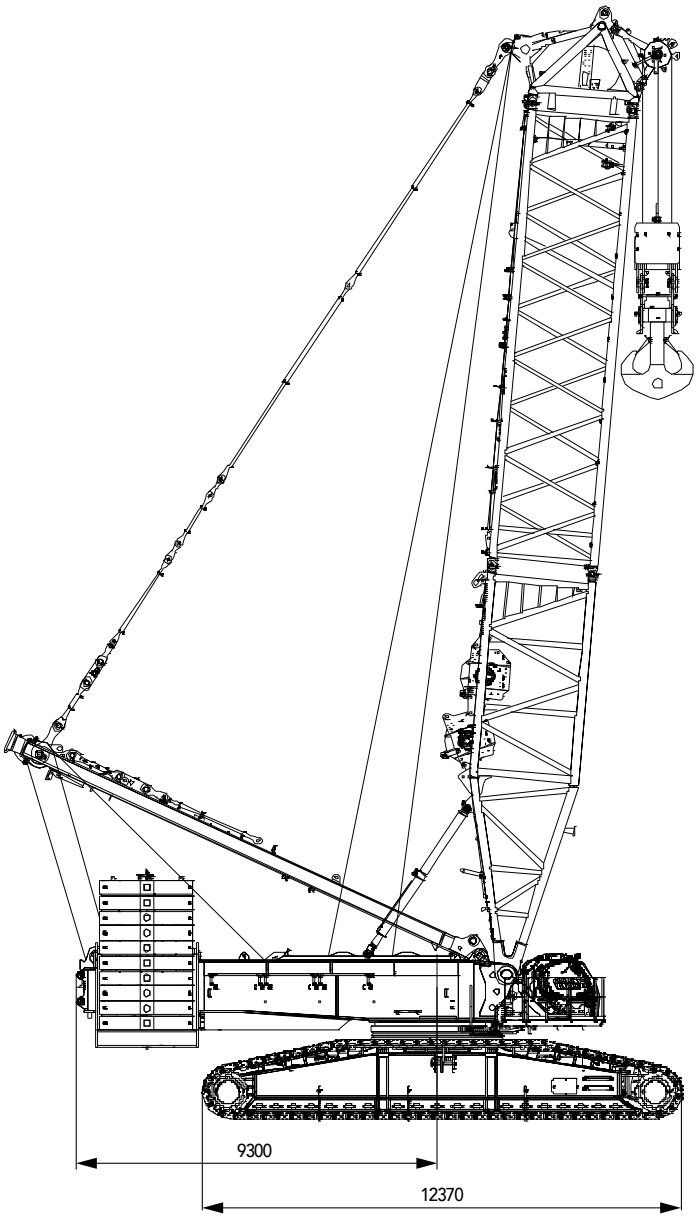
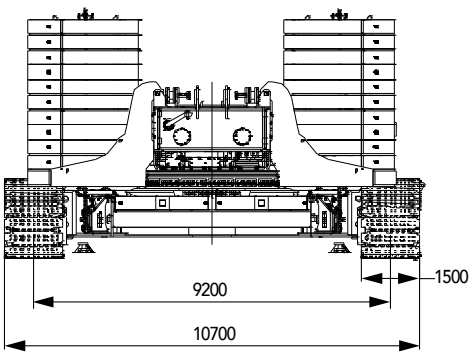
Major Performance Specifications

Major Performance & Specifications of SCC9000A		
Performance indexes	Unit	Parameter
Maximum rated lifting capacity	t	770 (7m operating radius)
Maximum rated lifting capacity (with superlift)	t	900 (12m operating radius)
Maximum rated lifting moment	t·m	5500
Maximum rated lifting moment (with superlift)	t·m	13800
Boom length	m	24~99
Boom length (with superlift)	m	42~99
Mixed boom length	m	93~102
Mixed boom length (with superlift)	m	96~168
Luffing jib length	m	24~72
Luffing jib length (with superlift)	m	24~96
Length of short fixed jib	m	12
Longest boom combination (LJDB working condition)	m	99+96
Longest boom for wind energy configuration (without superlift)	m	102+12
Longest boom for wind energy configuration (with superlift 200t)	m	168+12
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	164
Maximum rope speed of single rope of aux. load hoist winch (outermost working layer)	m/min	124
Maximum rope speed of single rope of boom hoist mechanism (outermost working layer)	m/min	63×2
Maximum rope speed of single rope of jib luffing mechanism (outermost working layer)	m/min	148
Maximum rope speed of single rope of superlift luffing mechanism (outermost working layer)	m/min	140
Slewing speed (no load)	r/min	0.5
Travelling speed	km/h	0~1.0 (high speed)/0~0.3 (low speed)
Gradeability (with basic boom, cab facing backward)	%	15
Rated output power of the engine	kW/r/min	447/1800
Machine weight (basic boom, 230t machine rear counterweight, 80t carbody counterweight, with 800t hook)	t	625
Average ground bearing pressure of the crawler (base boom, 230t machine counterweight, 80t carbody counterweight, 800t hook)	MPa	0.2
Machine counterweight (including tray)	t	230
Superlift counterweight (including tray)	t	440
Carbody counterweight (including tray)	t	80
Additional rear counterweight	t	80
Maximum transport dimensions of single piece (L×W×H)	mm	14300×3450×2950
Maximum transport weight of single piece	t	52

Unit: mm

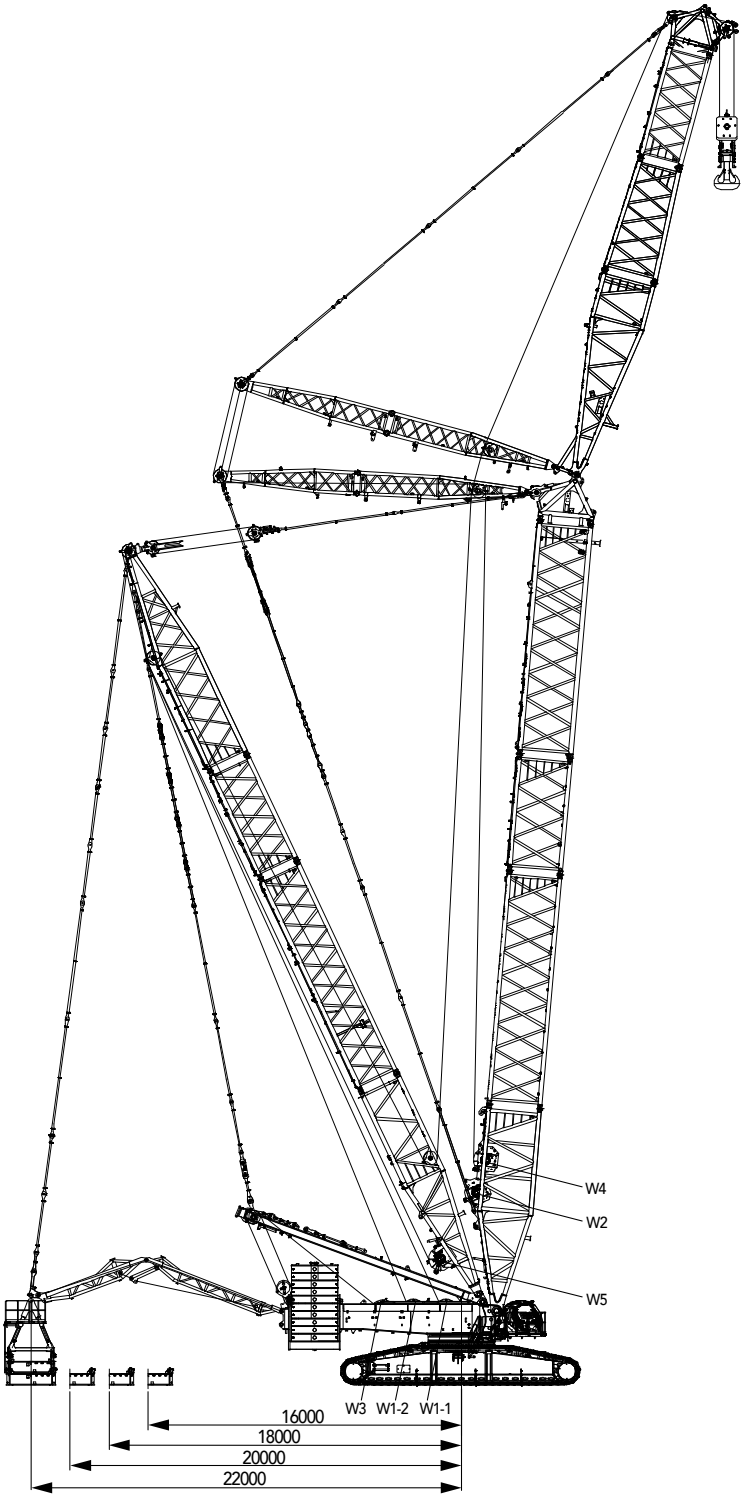
Outline Dimension



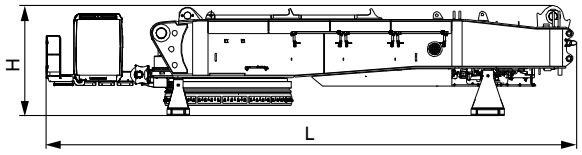


Unit: mm

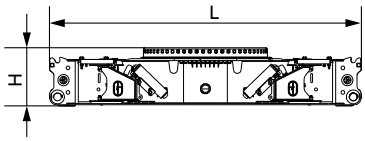
Outline Dimension



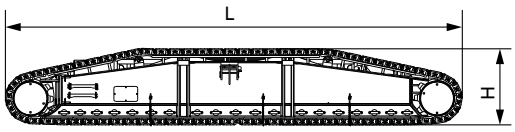
Transport Dimension



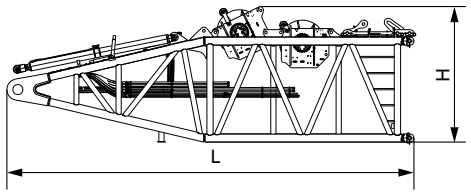
Basic Machine(with quick connector ring)	×1
Length (L)	14.30m
Width (W)	3.45m
Height (H)	2.95m
Weight	52.0t



Carbody (with quick connector ring)	×1
Length (L)	8.56m
Width (W)	3.40m
Height (H)	1.56m
Weight	34.8t

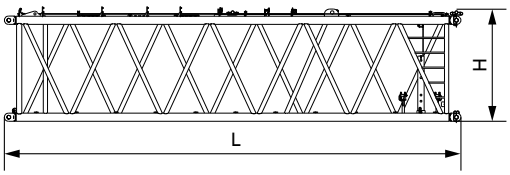


Crawler assembly	×2
Length (L)	12.37m
Width (W)	1.83m
Height (H)	2.00m
Weight	48.0t

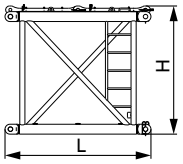


Boom base (H2) (with aux. hoist and jib luffing winches)	×1
Length (L)	10.90m
Width (W)	3.00m
Height (H)	3.32m
Weight	31.3t

Note: aux. hoist winch 5.5t, jib luffing winch 6.85t

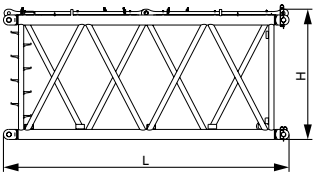


12m transition section (H4)	×1
Length (L)	12.24m
Width (W)	3.00m
Height (H)	3.00m
Weight	9.1t

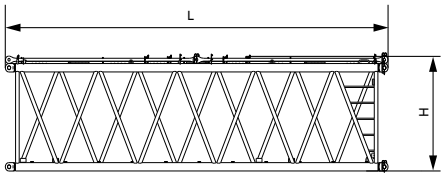


3m boom insert	×1
Length (L)	3.24m
Width (W)	3.00m
Height (H)	3.00m
Weight	2.9t

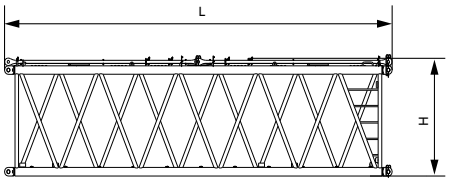
Transport Dimension



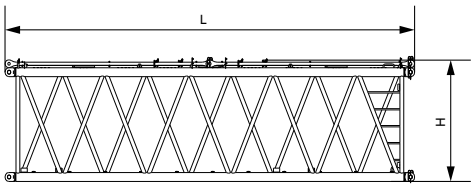
6m boom insert (H6)	×2
Length (L)	6.24m
Width (W)	3.00m
Height (H)	3.00m
Weight	4.95t



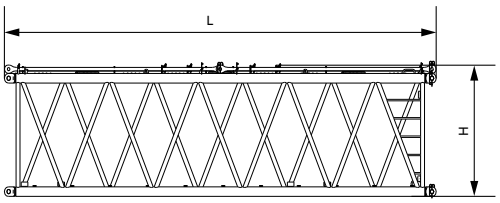
12m boom insert B (H8B)	×2
Length (L)	12.20m
Width (W)	3.00m
Height (H)	3.00m
Weight	9.12t



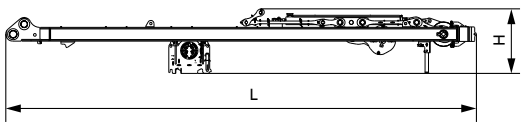
12m boom insert C (H8C)	×2
Length (L)	12.20m
Width (W)	3.00m
Height (H)	3.00m
Weight	8.13t



12m boom insert D (H8D)	×1
Length (L)	12.20m
Width (W)	3.00m
Height (H)	3.00m
Weight	7.52t

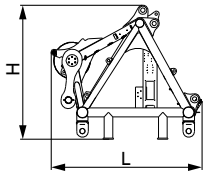


12m boom insert E (H8E)	×3
Length (L)	12.20m
Width (W)	3.00m
Height (H)	3.00m
Weight	7.0t

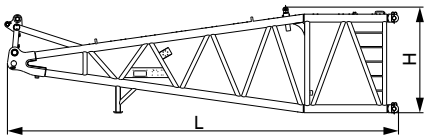


Boom hoist mast	×1
Length (L)	13.67m
Width (W)	2.41m
Height (H)	1.73m
Weight (including boom hoist winch)	23.3t

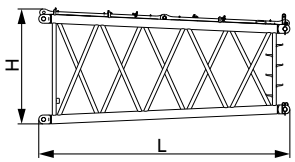
Transport Dimension



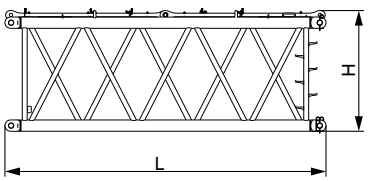
Connecting tip (LJ9)	×1
Length (L)	2.90m
Width (W)	2.64m
Height (H)	2.58m
Weight	4.48t



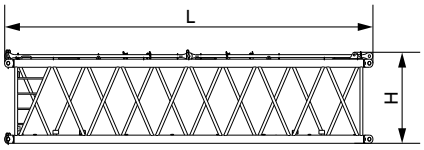
Luffing jib base(LJ2)	×1
Length (L)	10.80m
Width (W)	2.99m
Height (H)	2.96m
Weight	9.0t



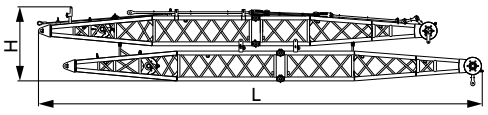
6m jib tapered insert (LJ4)	×1
Length (L)	6.24m
Width (W)	2.99m
Height (H)	3.00m
Weight	3.2t



6m luffing jib insert A (LJ6)	×1
Length (L)	6.24m
Width (W)	2.45m
Height (H)	2.57m
Weight	3.1t

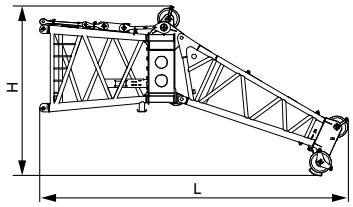


12m luffing jibe insert A (LJ8A)	×3
Length (L)	12.24m
Width (W)	2.45m
Height (H)	2.57m
Weight	5.5t

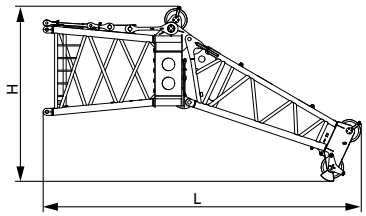


Luffing jib front and back struts	×1
Length (L)	18.00m
Width (W)	2.62m
Height (H)	3.00m
Weight	16.0t

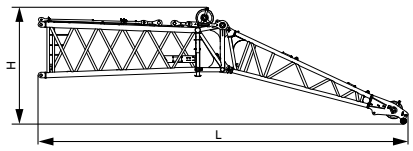
Transport Dimension



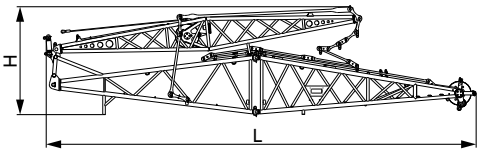
270t Eagle tip assembly	×1
Length (L)	10.00m
Width (W)	2.78m
Height (H)	5.52m
Weight	9.93t



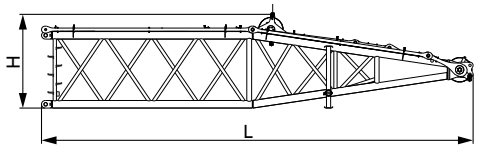
240t Eagle tip assembly	×1
Length (L)	10.06m
Width (W)	3.00m
Height (H)	5.54m
Weight	9.0t



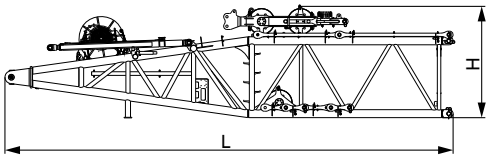
180t Eagle tip assembly	×1
Length (L)	15.00m
Width (W)	2.56m
Height (H)	4.73m
Weight	8.62t



Luffing jib front and back struts	×1
Length (L)	12.71m
Width (W)	2.48m
Height (H)	3.19m
Weight	6.24t

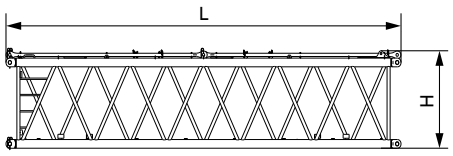


Superlift mast top (D1)	×1
Length (L)	12.51m
Width (W)	2.99m
Height (H)	2.77m
Weight	16.0t

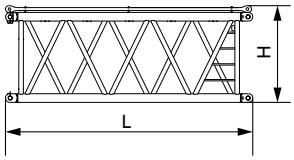


Superlift mast base (D2)	×1
Length (L)	12.30m
Width (W)	2.99m
Height (H)	3.10m
Weight(with winch)	34.8t

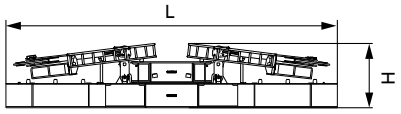
Transport Dimension



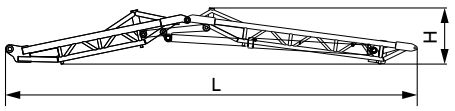
12m superlift mast insert (D6)	×1
Length (L)	12.24m
Width (W)	2.93m
Height (H)	3.00m
Weight	8.34t



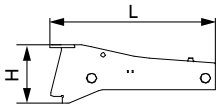
6m superlift mast insert (D4)	×1
Length (L)	6.24m
Width (W)	2.96m
Height (H)	2.43m
Weight	4.8t



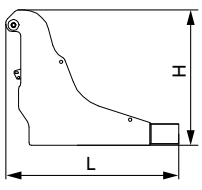
Superlift counterweight frame	×1
Length (L)	9.70m
Width (W)	2.64m
Height (H)	1.87m
Weight	33.5t



Superlift counterweight strut	×1
Length (L)	13.30m
Width (W)	3.00m
Height (H)	1.81m
Weight	7.6t

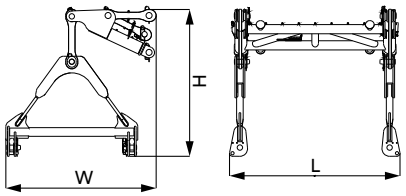


Carbody counterweight tray	×2
Length (L)	2.98m
Width (W)	5.44m
Height (H)	1.06m
Weight	20.0t

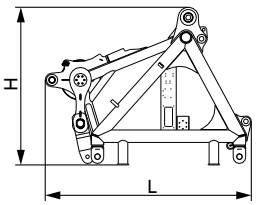


Rear counterweight tray	×2
Length (L)	3.45m
Width (W)	2.82m
Height (H)	2.70m
Weight	15.0t

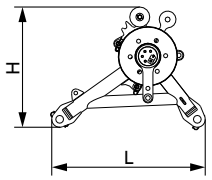
Transport Dimension



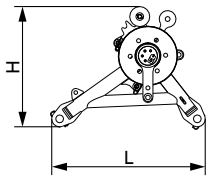
Additional tray of rear counterweight	×1
Length (L)	3.12m
Width (W)	2.75m
Height (H)	2.68m
Weight	2.26t



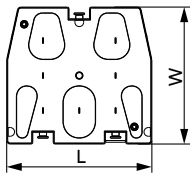
Connecting tip (H9A)	×1
Length (L)	3.73m
Width (W)	2.99m
Height (H)	2.77m
Weight	6.6t



Pulley block (800t)	×2
Length (L)	1.84m
Width (W)	1.67m
Height (H)	1.44m
Weight	2.4t

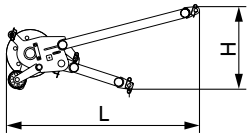


Pulley block (500t)	×2
Length (L)	1.84m
Width (W)	1.67m
Height (H)	1.44m
Weight	1.8t



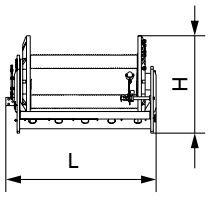
10t counterweight	×65
Length (L)	2.49m
Width (W)	2.35m
Height (H)	0.555m
Weight	10.0t

Remarks: 4 blocks for carbody counterweight, 20 blocks for machine rear counterweight, 41blocks for superlift counterweight.

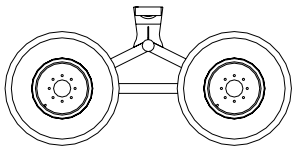


Extension jib (50t)	×1
Length (L)	2.60m
Width (W)	1.07m
Height (H)	1.11m
Weight	0.6t

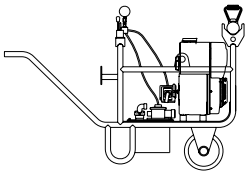
Transport Dimension



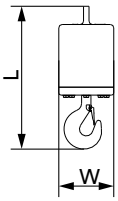
Main load hoist winch	×2
Length (L)	2.00m
Width (W)	1.28m
Height (H)	1.30m
Weight	8.3t



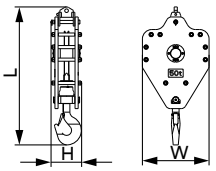
Trolley	×1
Length (L)	3.30m
Width (W)	2.00m
Height (H)	1.61m
Weight	1.9t



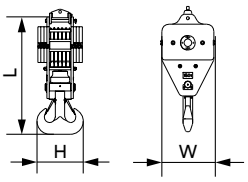
Portable power pack	×1
Length (L)	1.55m
Width (W)	0.70m
Height (H)	1.09m
Weight	0.2t



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

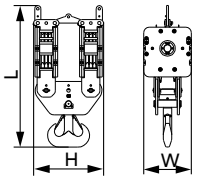


50T hook	×1
Length (L)	2.20m
Width (W)	1.06m
Height (H)	0.50m
Weight	1.4t

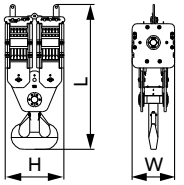


150T hook	×1
Length (L)	2.40m
Width (W)	1.09m
Height (H)	0.95m
Weight	4.8t

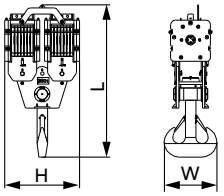
Transport Dimension



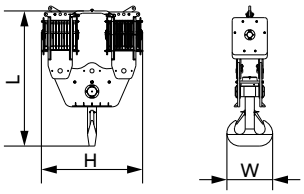
180T hook	×1
Length (L)	3.20m
Width (W)	1.07m
Height (H)	1.19m
Weight	6.6t



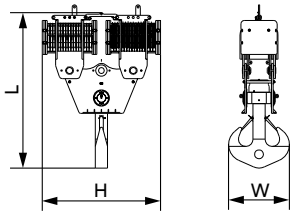
250T hook	×1
Length (L)	3.65m
Width (W)	1.07m
Height (H)	1.48m
Weight	8.4t



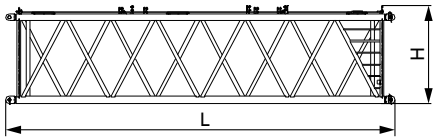
350T hook	×1
Length (L)	3.84m
Width (W)	1.33m
Height (H)	1.88m
Weight	10.5t



500T hook	×1
Length (L)	3.93m
Width (W)	1.33m
Height (H)	2.94m
Weight	11.2t

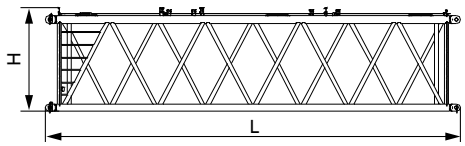


800T hook	×1
Length (L)	4.82m
Width (W)	1.90m
Height (H)	3.66m
Weight	22.5t

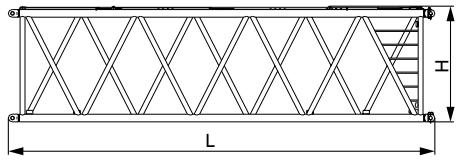


12m lower transition section (ZH4A)	×1
Length (L)	12.24m
Width (W)	3.50m
Height (H)	3.00m
Weight	14.52t

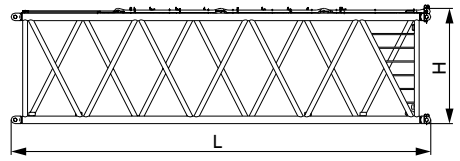
Transport Dimension



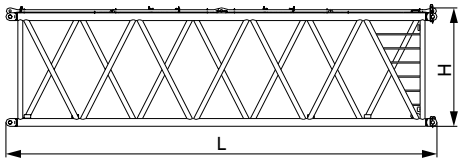
12m upper transition section (ZH4B)	×1
Length (L)	12.24m
Width (W)	3.50m
Height (H)	3.00m
Weight	9.2t



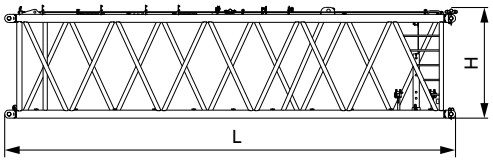
12m power boom insert A (ZH8A)	×2
Length (L)	12.24m
Width (W)	3.50m
Height (H)	3.00m
Weight	14.1t



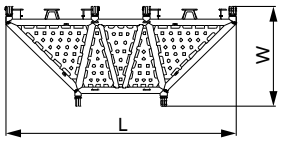
12m power boom insert B (ZH8B)	×2
Length (L)	12.24m
Width (W)	3.50m
Height (H)	3.00m
Weight	13.6t



12m power boom insert C (ZH8C)	×2
Length (L)	12.24m
Width (W)	3.50m
Height (H)	3.00m
Weight	11.8t

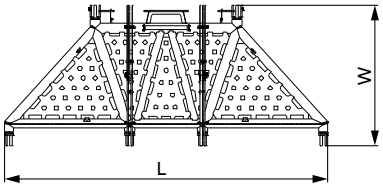


12m power boom insert D (ZH8D)	×1
Length (L)	12.24m
Width (W)	3.50m
Height (H)	3.00m
Weight	9.2t

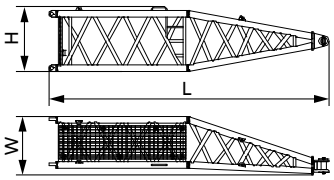


Super power boom lower transition section(SY4A)	×1
Length (L)	7.46m
Width (W)	3.24m
Height (H)	2.82m
Weight	7.6t

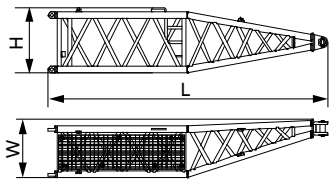
Transport Dimension



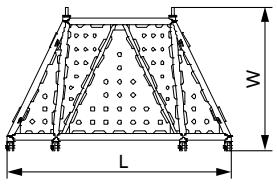
Super power boom upper transition section(SY4B)	×1
Length (L)	7.46m
Width (W)	3.28m
Height (H)	3.00m
Weight	7.4t



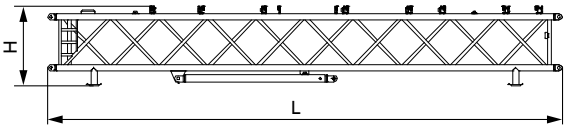
Superlift auxiliary strut right base (S1)	×1
Length (L)	6.20m
Width (W)	1.30m
Height (H)	1.43m
Weight	1.25t



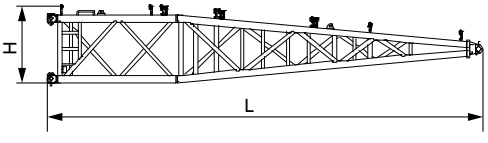
Superlift auxiliary strut left base (S2)	×1
Length (L)	6.20m
Width (W)	1.30m
Height (H)	1.43m
Weight	1.25t



Superlift auxiliary strut transition section (S3)	×1
Length (L)	4.96m
Width (W)	3.15m
Height (H)	1.80m
Weight	1.9t



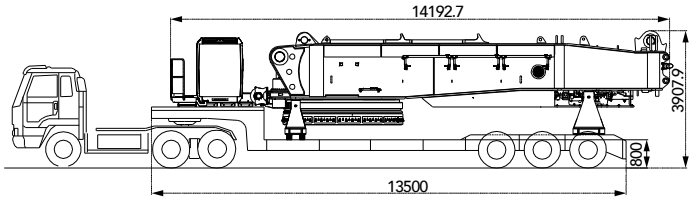
Superlift auxiliary strut insert (S4)	×1
Length (L)	12.15m
Width (W)	2.55m
Height (H)	1.86m
Weight	3.0t



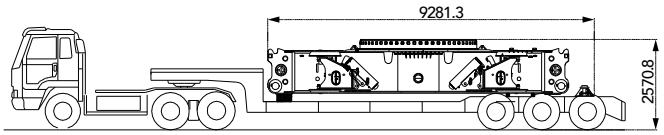
Superlift auxiliary strut top (S5)	×1
Length (L)	8.67m
Width (W)	2.55m
Height (H)	1.51m
Weight	2.11t

Transport Plan

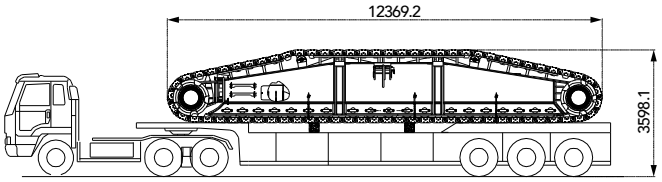
Transport cart 1	
Transport weight(t)	▪ 52
Components included	▪ Basic Machine (with quick connector ring)
Truckload	▪ 1



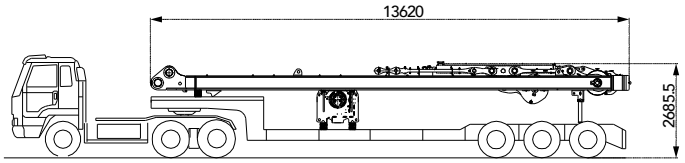
Transport cart 2	
Transport weight(t)	▪ 34.8
Components included	▪ Carbody (with quick connector ring)
Truckload	▪ 1



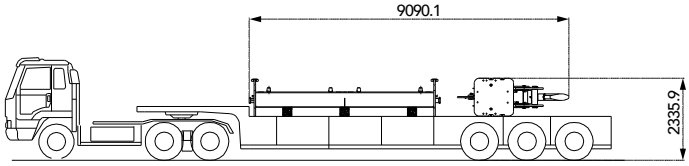
Transport cart 3	
Transport weight(t)	▪ 48
Components included	▪ Crawler assembly
Truckload	▪ 2



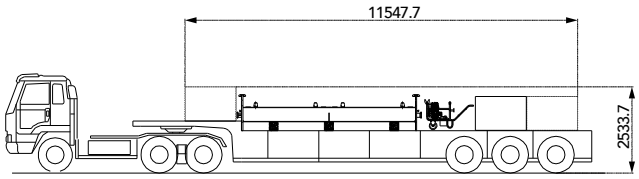
Transport cart 4	
Transport weight(t)	▪ 23.3
Components included	▪ Boom hoist mast (including boom hoist winch)
Truckload	▪ 1



Transport cart 5	
Transport weight(t)	▪ 28.4
Components included	▪ Carbody counterweight tray x1 ▪ 180t hook
Truckload	▪ 1

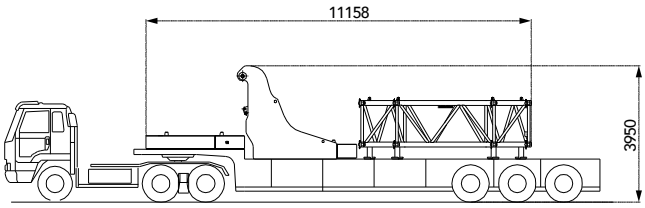


Transport cart 6	
Transport weight(t)	▪ 26.9
Components included	▪ Carbody counterweight tray x1 ▪ Portable power pack ▪ Iron box 1 ▪ Iron box 2 ▪ Wooden box
Truckload	▪ 1

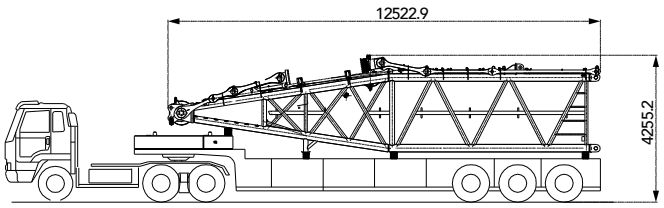


Transport Plan

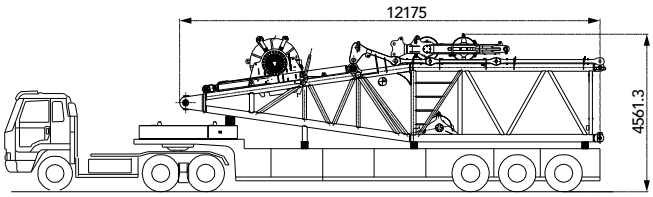
Transport cart 7	
Transport weight(t)	▪ 26.9
Components included	▪ Rear counterweight tray x1 ▪ 10t counterweight x1 ▪ Superlift auxiliary strut transition section
Truckload	▪ 1



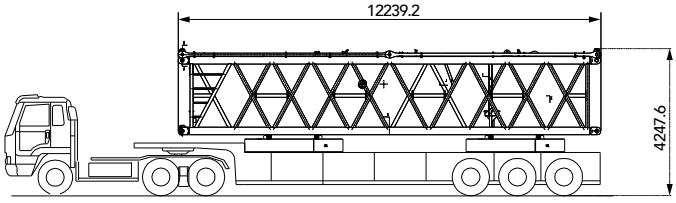
Transport cart 8	
Transport weight(t)	▪ 23
Components included	▪ Superlift mast top ▪ 10t counterweight x1
Truckload	▪ 1



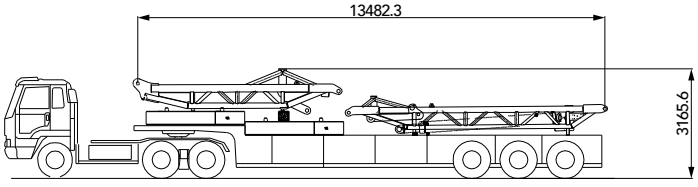
Transport cart 9	
Transport weight(t)	▪ 29.4
Components included	▪ Superlift mast base ▪ 10t counterweight x1
Truckload	▪ 1



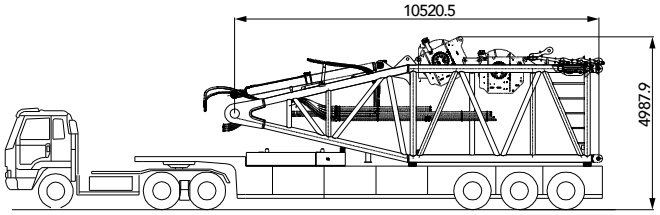
Transport cart 10	
Transport weight(t)	▪ 28.5
Components included	▪ 12m superlift mast insert ▪ 10t counterweight x1
Truckload	▪ 1



Transport cart 11	
Transport weight(t)	▪ 27.6
Components included	▪ Superlift counterweight strut ▪ 10t counterweight x2
Truckload	▪ 1

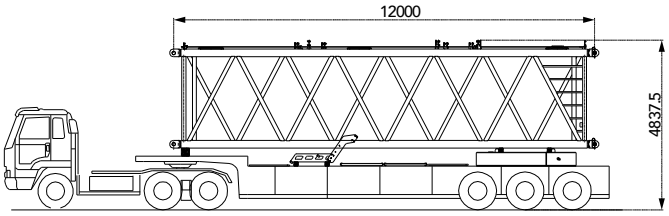


Transport cart 12	
Transport weight(t)	▪ 27.7
Components included	▪ Boom base (H2) (with aux. hoist and jib luffing winches) ▪ 10t counterweight x1
Truckload	▪ 1

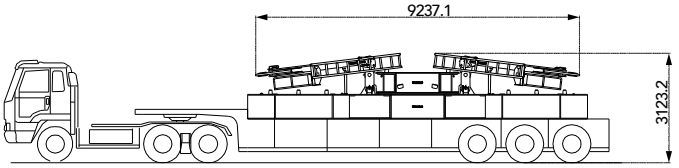


Transport Plan

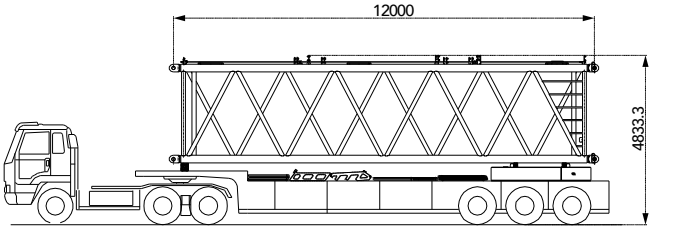
Transport cart 13	
Transport weight(t)	▪ 27
Components included	▪ 12 m transition section ▪ 10t counterweight x1 ▪ Guardrail 1 ▪ Ladder ▪ Left&right guardrail ▪ Guardrail 2
Truckload	▪ 1



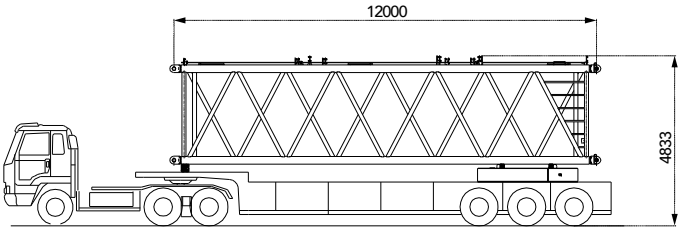
Transport cart 14	
Transport weight(t)	▪ 27.8
Components included	▪ Superlift counterweight frame
Truckload	▪ 1



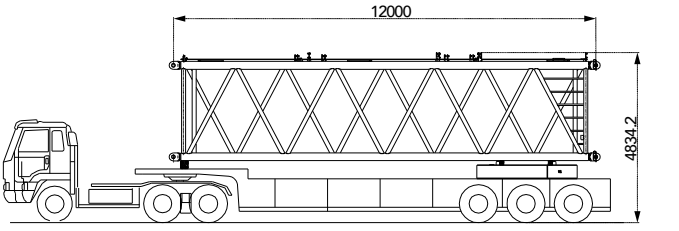
Transport cart 15	
Transport weight(t)	▪ 27.5
Components included	▪ 12m power boom insert A ▪ 10t counterweight x1 ▪ Guardrail 2x2 ▪ Guardrail 3x2 ▪ Inclined ladder bracket x2 ▪ Inclined ladder x2 ▪ Guardrail 4x2 ▪ Guardrail 5x6
Truckload	▪ 1



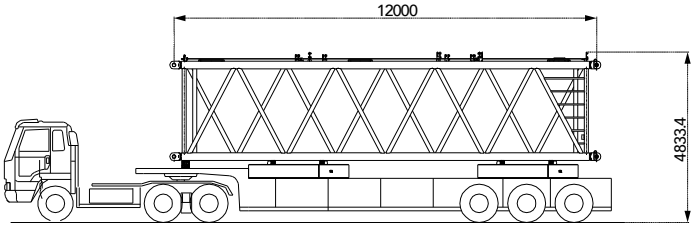
Transport cart 16	
Transport weight(t)	▪ 25.8
Components included	▪ 12m power boom insert B ▪ 10t counterweight x1
Truckload	▪ 2



Transport cart 17	
Transport weight(t)	▪ 23.6
Components included	▪ 12m power boom insert C ▪ 10t counterweight x1
Truckload	▪ 2

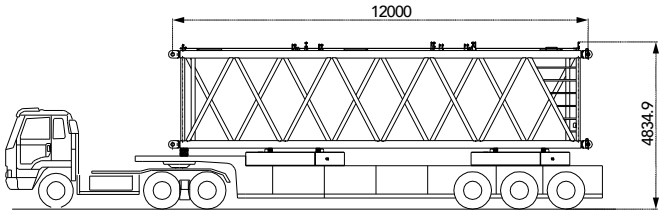


Transport cart 18	
Transport weight(t)	▪ 30
Components included	▪ 12m power boom insert D ▪ 10t counterweight x2
Truckload	▪ 2

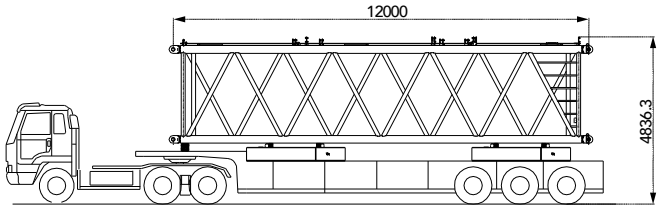


Transport Plan

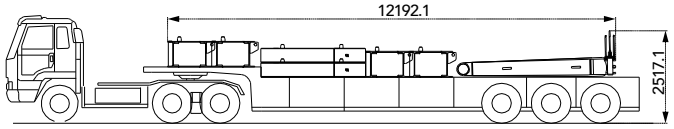
Transport cart 19	
Transport weight(t)	▪ 30
Components included	▪ 12m upper transition section ▪ 10t counterweight x2
Truckload	▪ 1



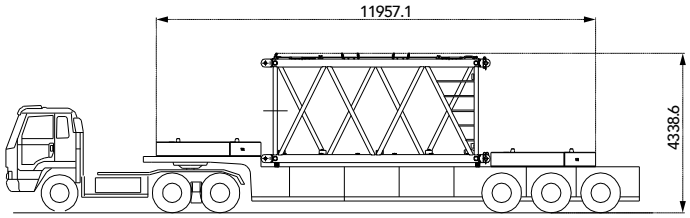
Transport cart 20	
Transport weight(t)	▪ 29.1
Components included	▪ 12m boom insert ▪ 10t counterweight x2
Truckload	▪ 1



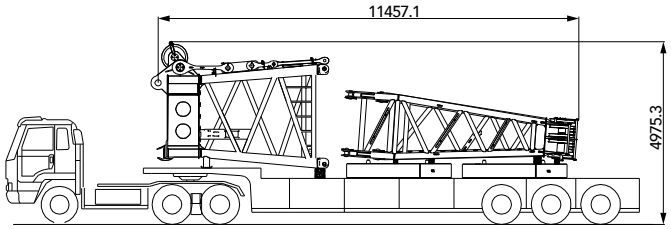
Transport cart 21	
Transport weight(t)	▪ 28.2
Components included	▪ 10t counterweight x2 ▪ Superlift counterweight bucket x4 ▪ Side outrigger assembly
Truckload	▪ 1



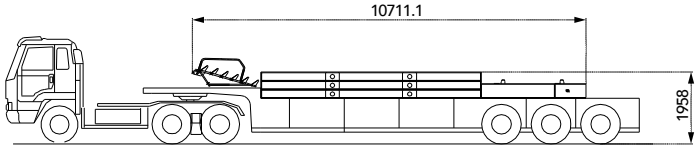
Transport cart 22	
Transport weight(t)	▪ 25
Components included	▪ 6m boom insert ▪ 10t counterweight x2
Truckload	▪ 1



Transport cart 23	
Transport weight(t)	▪ 29.4
Components included	▪ 270t Eagle tip assembly ▪ 10t counterweight x2
Truckload	▪ 1

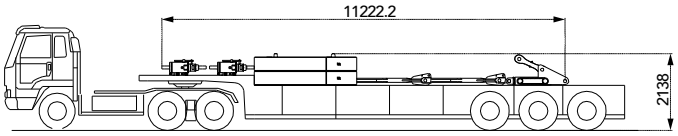


Transport cart 24	
Transport weight(t)	▪ 28
Components included	▪ Crane mats x3 ▪ 10t counterweight x1 ▪ Ladder
Truckload	▪ 4

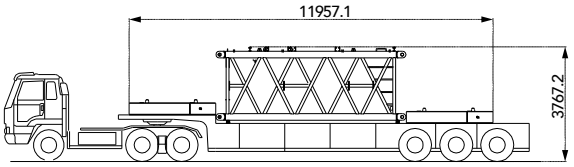


Transport Plan

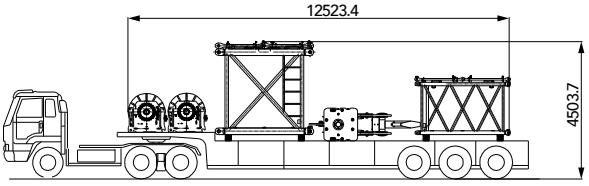
Transport cart 25	
Transport weight(t)	▪ 22.4
Components included	▪ 10t counterweight x2 ▪ Additional tray of hanger
Truckload	▪ 1



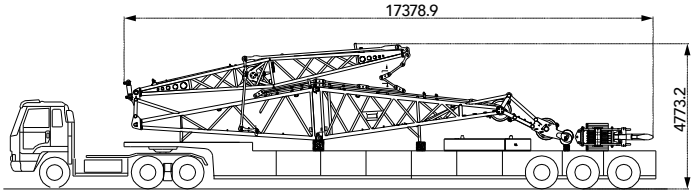
Transport cart 26	
Transport weight(t)	▪ 23.2
Components included	▪ 6m superlift mast insert ▪ 10t counterweight x2
Truckload	▪ 1



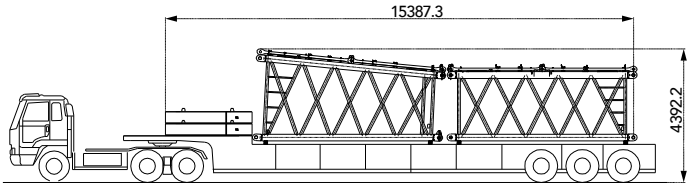
Transport cart 27	
Transport weight(t)	▪ 27
Components included	▪ 3m fixed jib insert ▪ Hoist winch x2 ▪ 250t hook ▪ Boom insert(H3)
Truckload	▪ 1



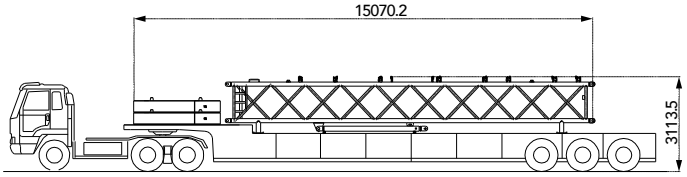
Transport cart 28	
Transport weight(t)	▪ 20.8
Components included	▪ 150t hook ▪ Fixed jib assembly ▪ 10t counterweight x1
Truckload	▪ 1



Transport cart 29	
Transport weight(t)	▪ 26.4
Components included	▪ 6m jib tapered insert (LJ4) ▪ 6m luffing jib insert A (LJ6) ▪ 10t counterweight x2
Truckload	▪ 1

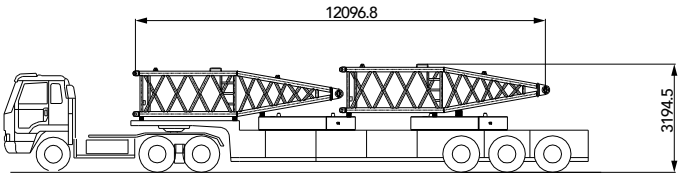


Transport cart 30	
Transport weight(t)	▪ 23
Components included	▪ Superlift auxiliary strut insert ▪ 10t counterweight x2
Truckload	▪ 1

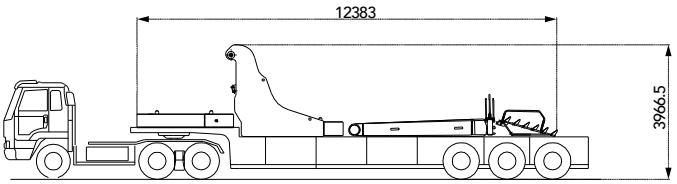


Transport Plan

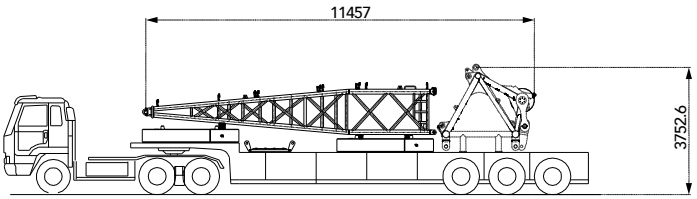
Transport cart 31	
Transport weight(t)	▪ 22.5
Components included	▪ Superlift auxiliary strut left & right base ▪ 10t counterweight x2
Truckload	▪ 1



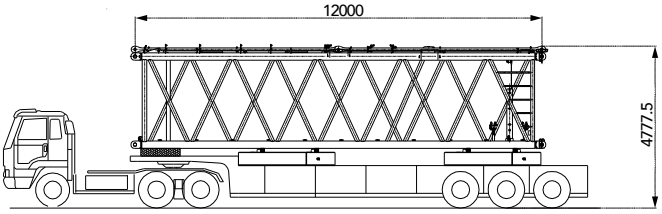
Transport cart 32	
Transport weight(t)	▪ 27.7
Components included	▪ Rear counterweight tray x1 ▪ 10t counterweight x1 ▪ Side outrigger assembly ▪ Ladder
Truckload	▪ 1



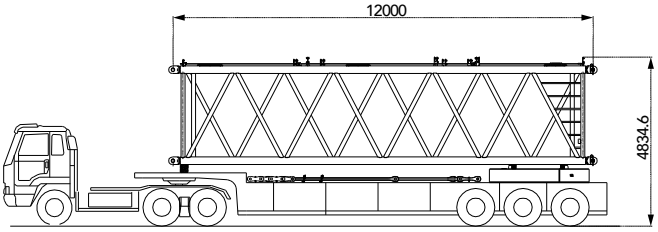
Transport cart 33	
Transport weight(t)	▪ 26.82
Components included	▪ Superlift auxiliary strut top ▪ Connecting tip (LJ9) ▪ 10t counterweight x2 ▪ Step assembly
Truckload	▪ 1



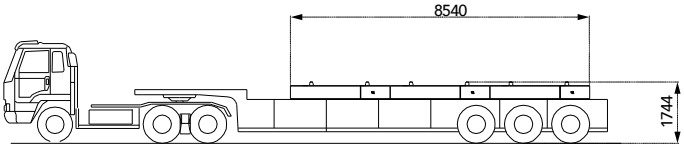
Transport cart 34	
Transport weight(t)	▪ 29.1
Components included	▪ 12m transition section ▪ 10t counterweight x2
Truckload	▪ 1



Transport cart 35	
Transport weight(t)	▪ 26.4
Components included	▪ 12m power boom insert A ▪ 10t counterweight x1 ▪ Fixed jib rear pendant bar
Truckload	▪ 1

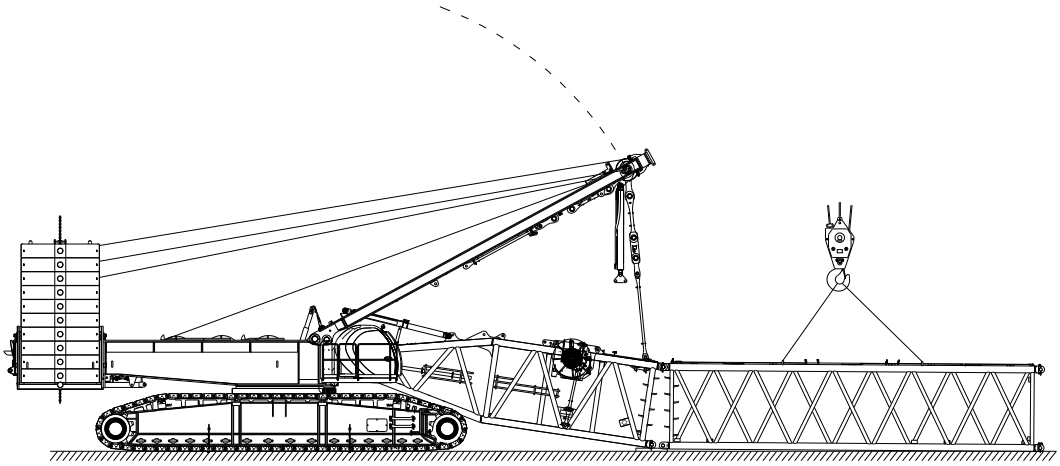


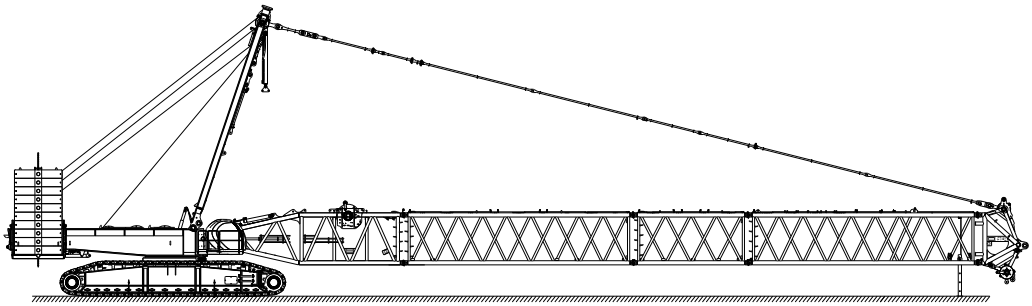
Transport cart 36	
Transport weight(t)	▪ 30
Components included	▪ 10t counterweight x3
Truckload	▪ 4



Assembly Schematics

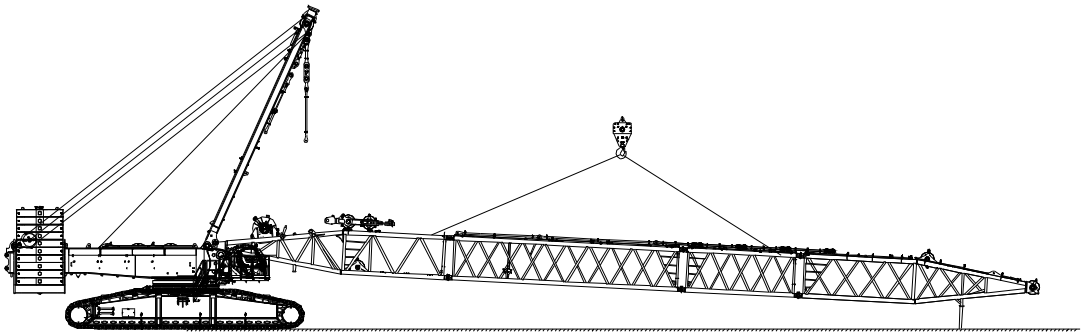
1）**Boom assembly**

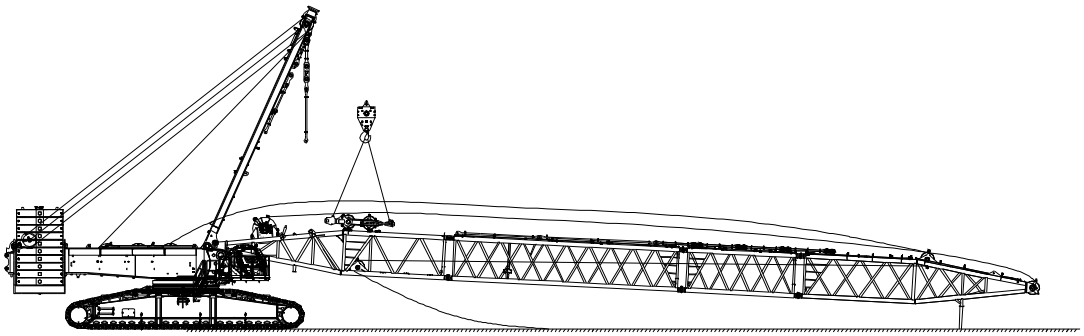


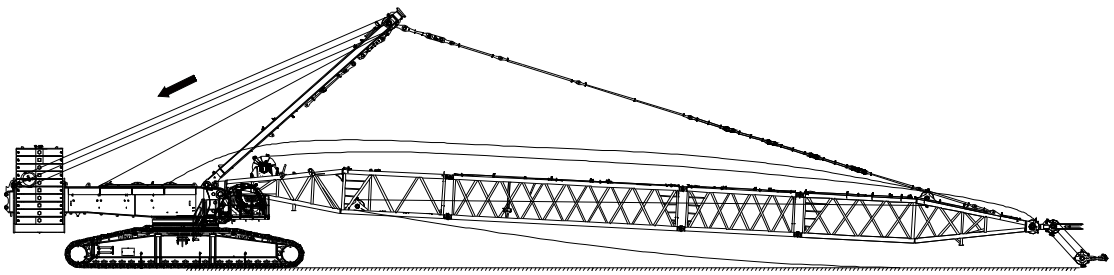


Assembly Schematics

2） **Superlift mast assembly**

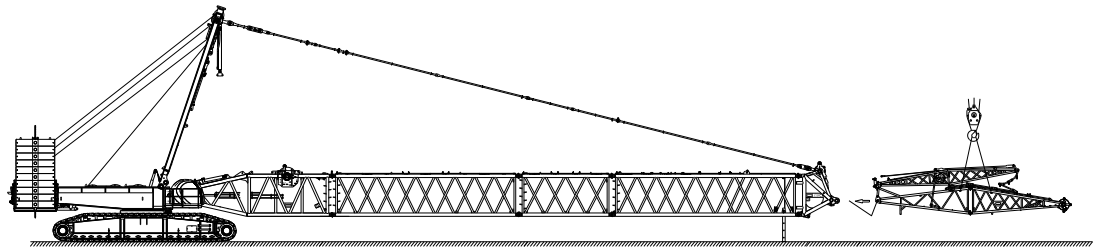


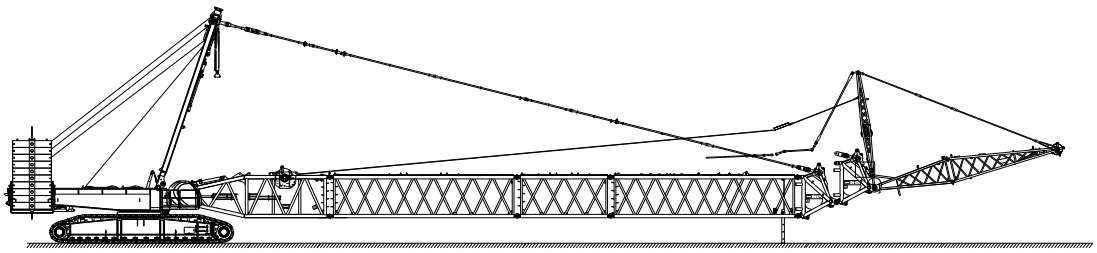


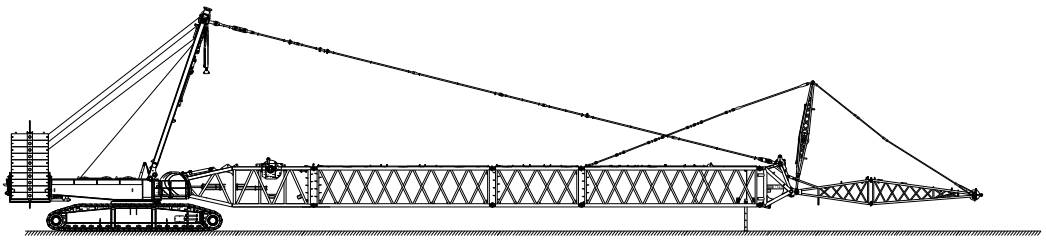


Assembly Schematics

3）Superlift mast assembly

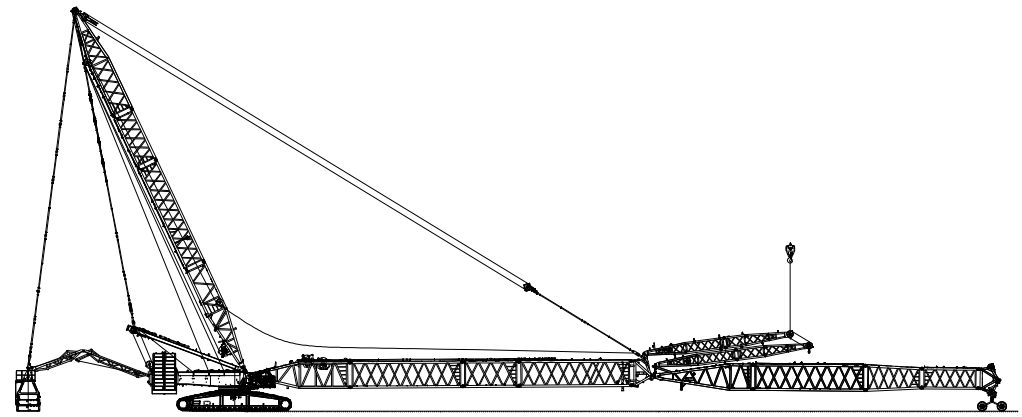


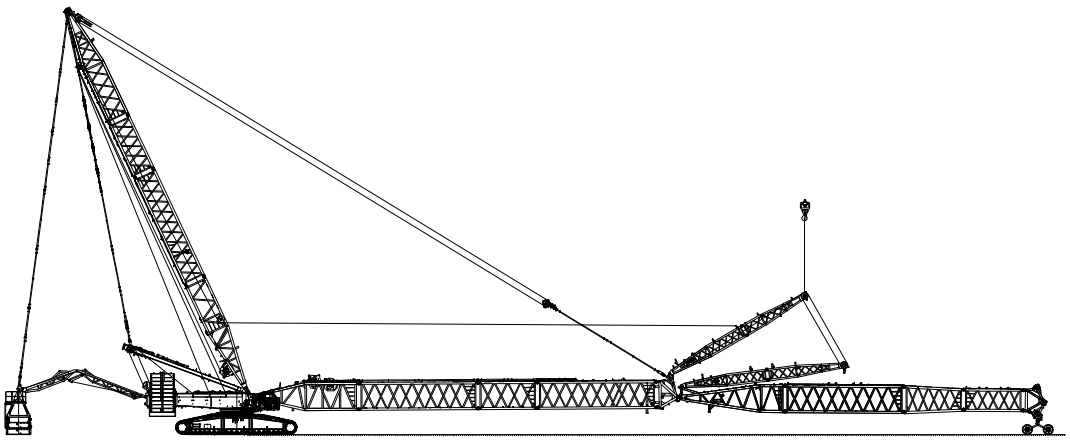




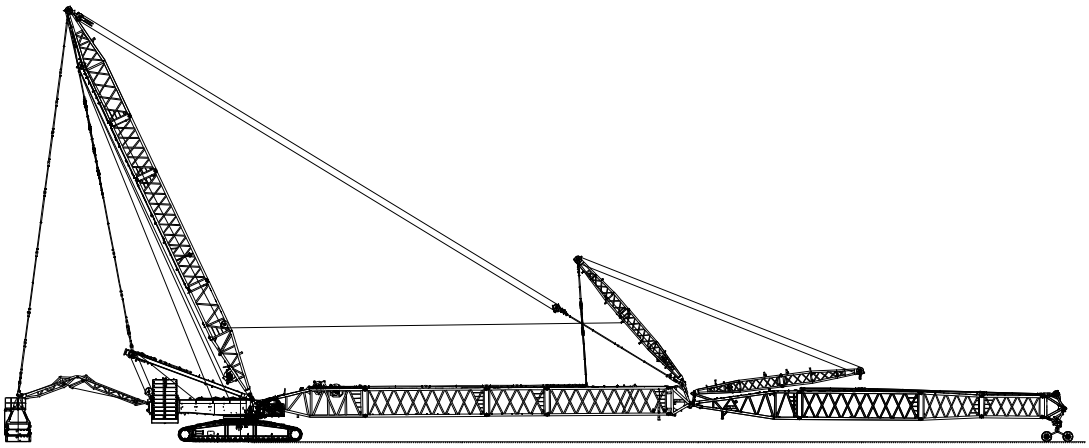
Assembly Schematics

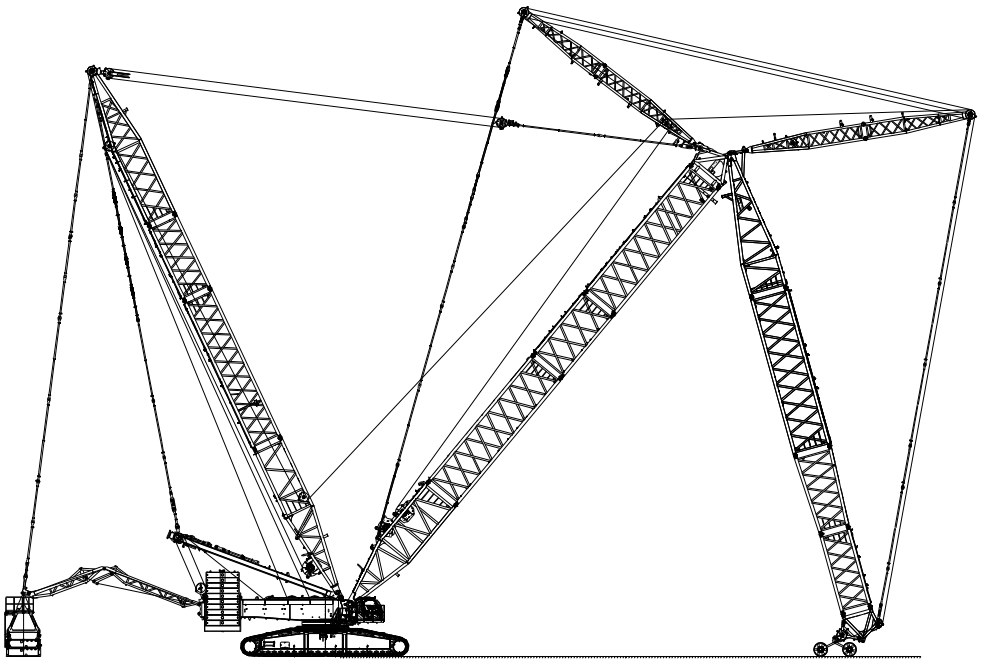
4）Luffing jib assembly





Assembly Schematics





C

SCC9000A
SANY CRAWLER CRANE
900 TONS LIFTING CAPACITY

QUALITY CHANGES THE WORLD

Configurations

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- Page 47 HDB Configurations
- Page 53 HDB_5 Configurations
- Page 59 HDB_7 Configurations
- Page 65 HDB_9 Configurations
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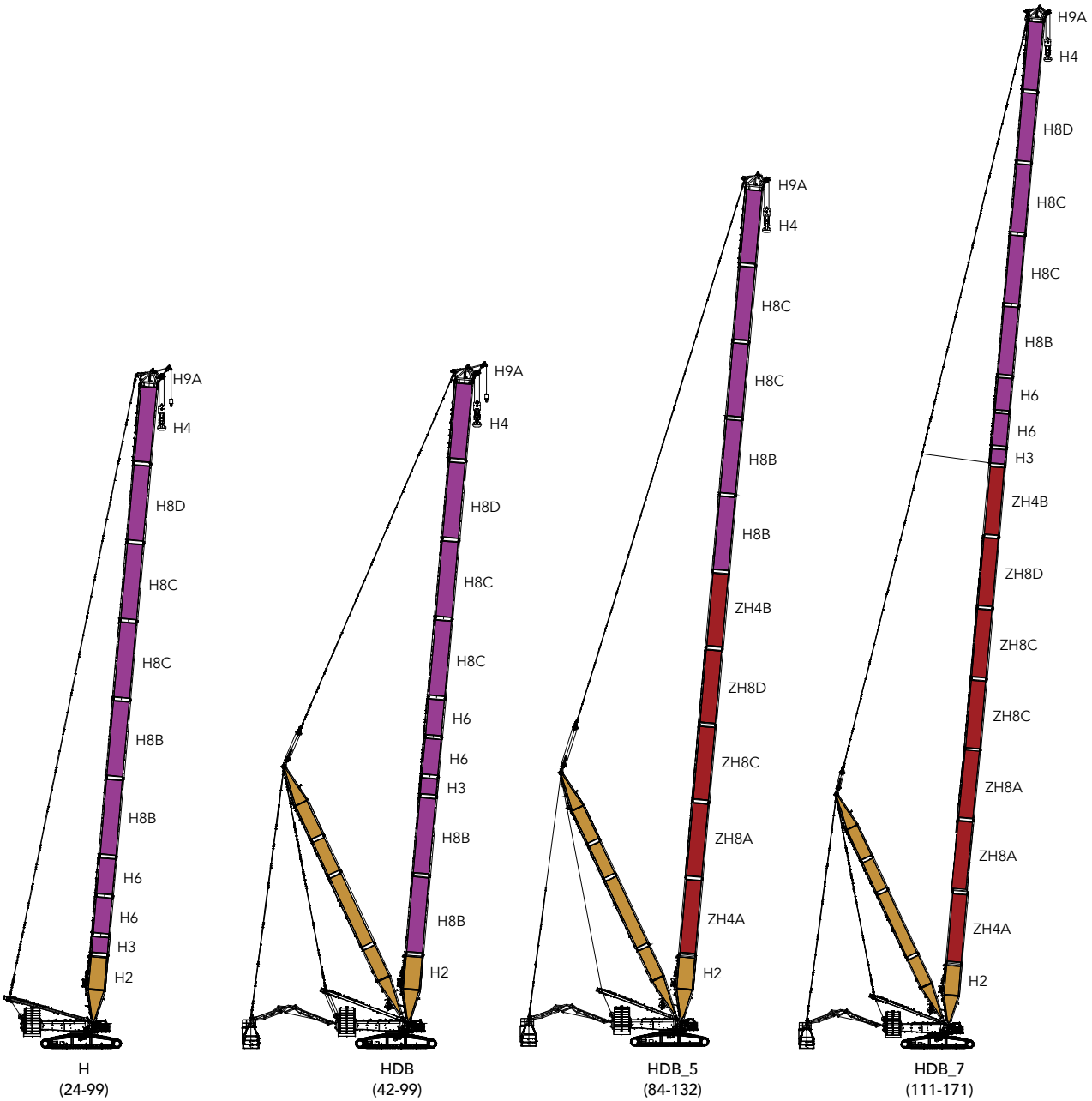
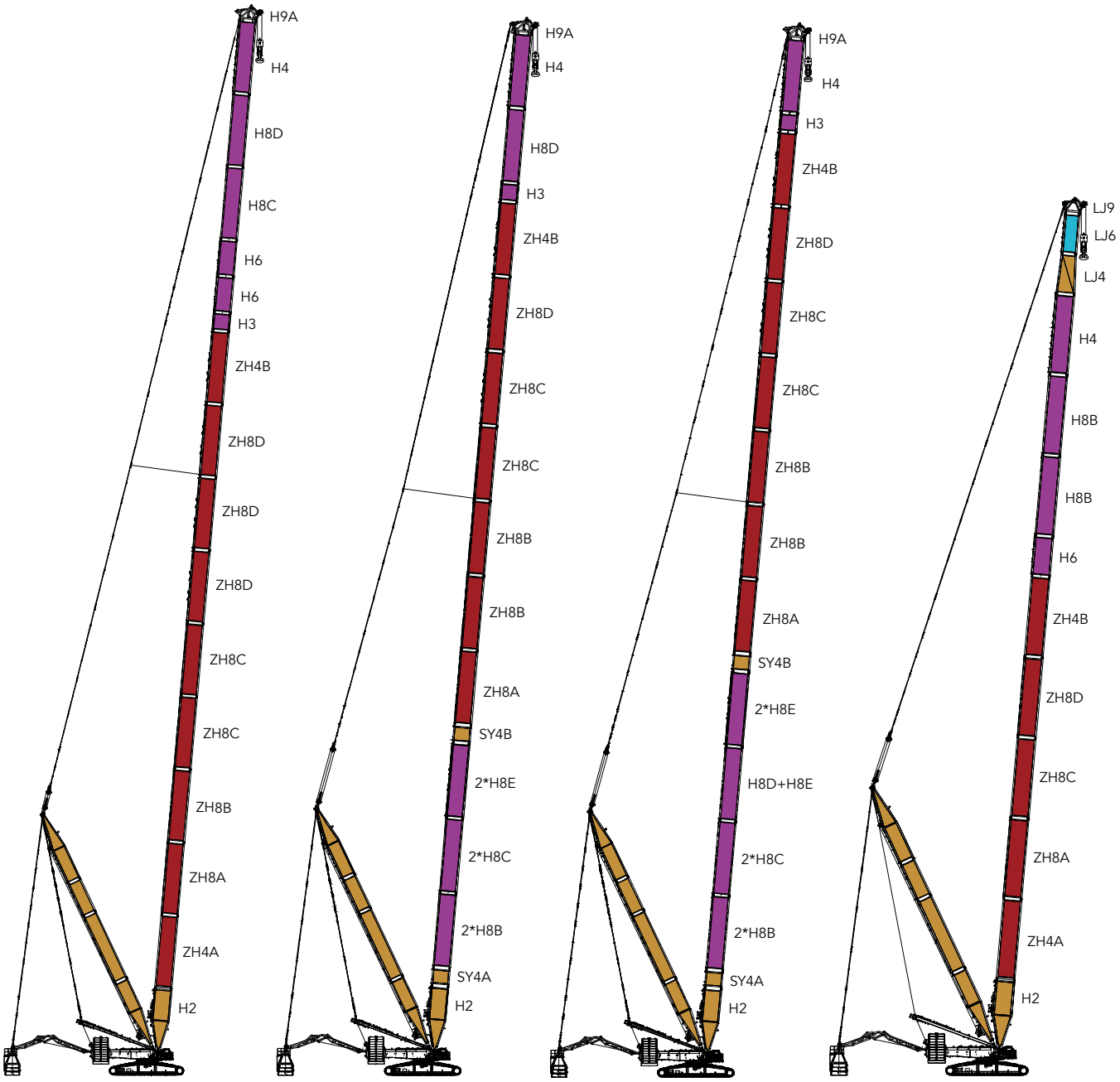
Boom Configurations



Configuration	Boom Combination	Boom Length
H	Boom	24m - 99m
HDB	Boom +Superlift mast+Superlift counterweight	42m - 99m
HDB_5	Power boom(5) + Boom +Superlift mast+Superlift counterweight	84m - 132m
HDB_7	Power boom(7) + Boom +Superlift mast+Superlift counterweight	111m - 171m

Note: The schematics above are reference for loading only.

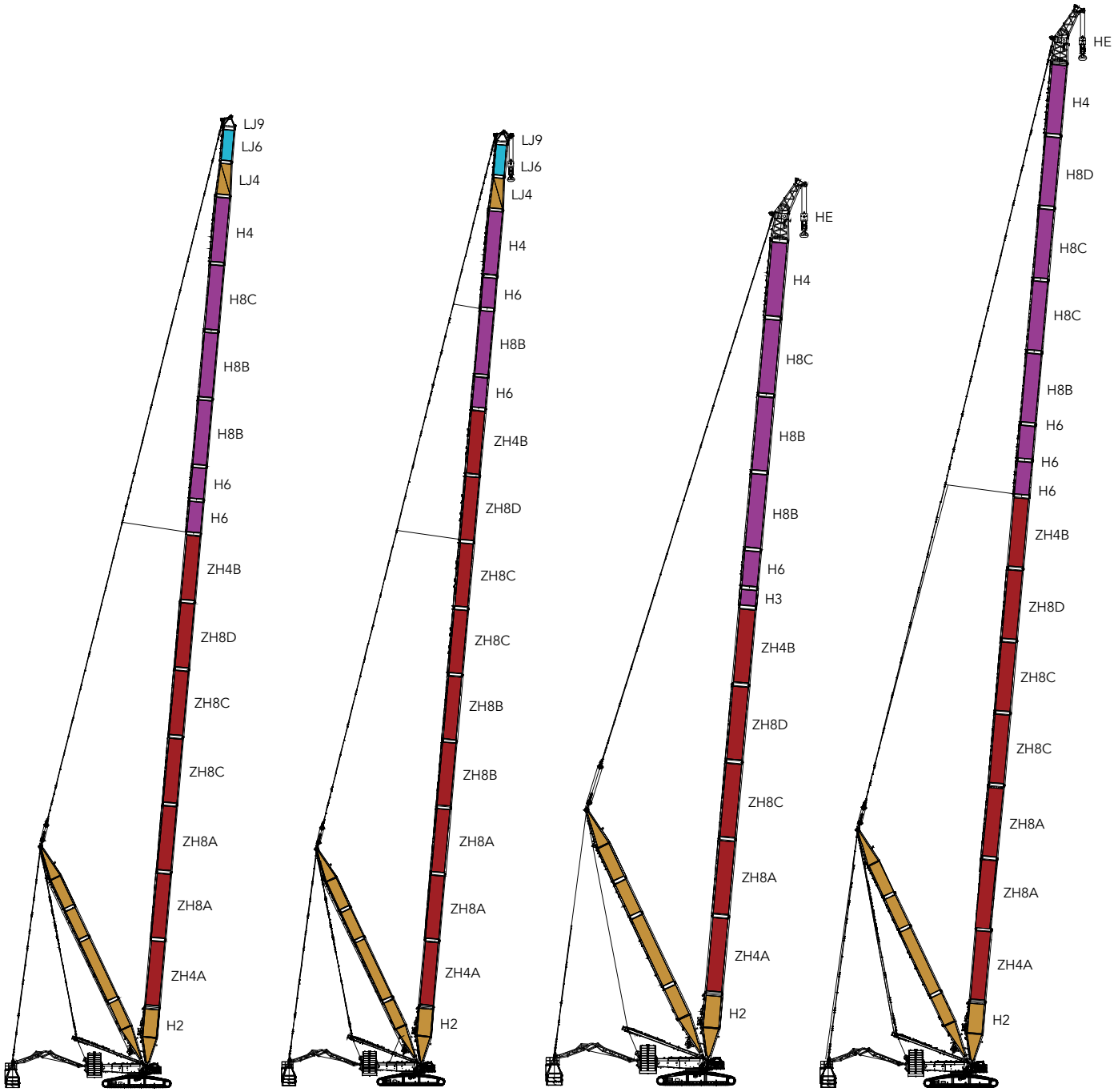
Boom Configurations



Configuration	Boom Combination	Boom Length
HDB_9	Power boom(9) + Boom +Superlift mast+Superlift counterweight	135m - 171m
HDB_SY3	Super power boom(3) +Power boom(7)+ Boom +Superlift mast+Superlift counterweight	87m -165m
HDB_SY4	Super power boom(4)+Power boom(7) + Boom +Superlift mast+Superlift counterweight	93m - 165m
HJDB_5	Power boom(5) + Mixed Boom+Superlift mast+Superlift counterweight	96m -126m

Note: The schematics above are reference for loading only.

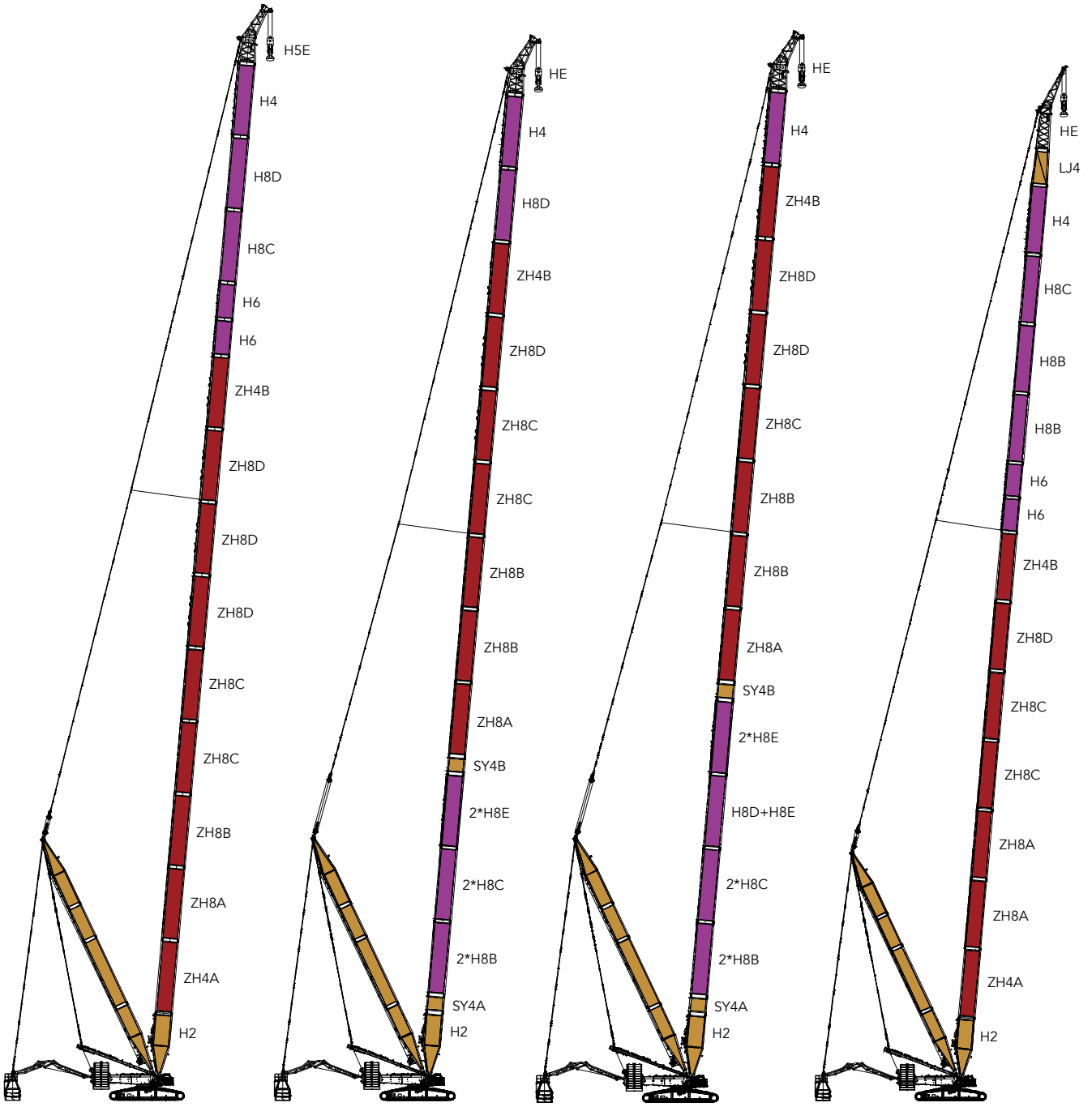
Boom Configurations



Configuration	Boom Combination	Boom Length
HJDB_7	Power boom(7) + Mixed boom +Superlift mast+Superlift counterweight	120m-168m
HJDB_9	Power boom(9) + Mixed boom +Superlift mast+Superlift counterweight	144m-168m
HEDB_5	Power boom(5) + Boom +Eagle tip+Superlift mast+Superlift counterweight	(90m+5m) - (132m+5m)
HEDB_7	Power boom(7) + Boom +Eagle tip+Superlift mast+Superlift counterweight	(111m+5m) - (171m+5m)

Note: The schematics above are reference for loading only.

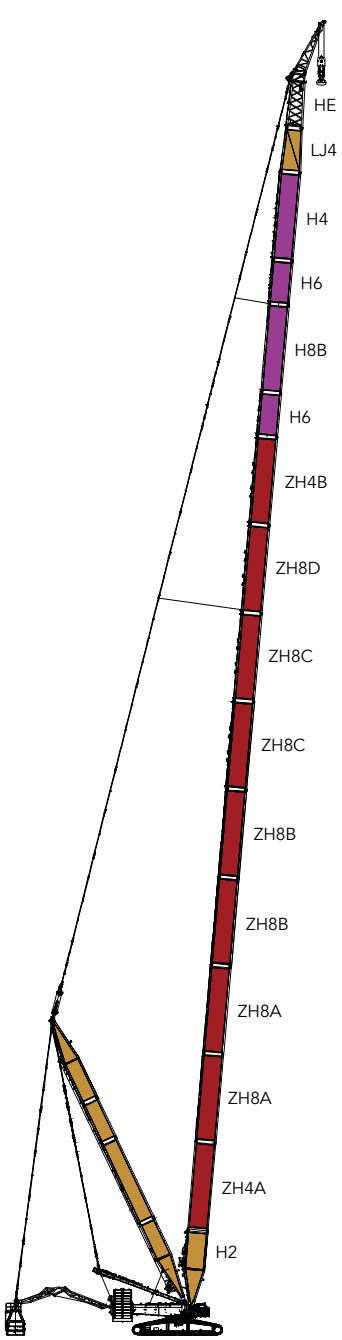
Boom Configurations



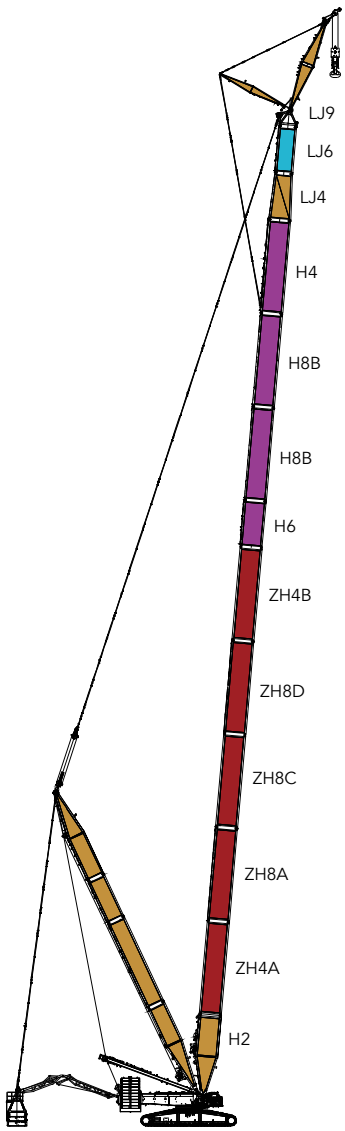
Configuration	Boom Combination	Boom Length
HEDB_9	Power boom(9) + Boom +Eagle tip+Superlift mast+Superlift counterweight	(135m+5m) - (171m+5m)
HEDB_SY3	Super power boom(3)+Power boom(7) + Boom+Eagle tip +Superlift mast+Superlift counterweight	(111m+5m) - (165m+5m)
HEDB_SY4	Super power boom(4) +Power boom(7)+ Boom +Eagle tip+Superlift mast+Superlift counterweight	(111m+5m) - (165m+5m)
HJHEDB_7	Power boom(7) + Mixed Boom+Eagle tip+Superlift mast+Superlift counterweight	(120m+7m) - (168m+7m)

Note: The schematics above are reference for loading only.

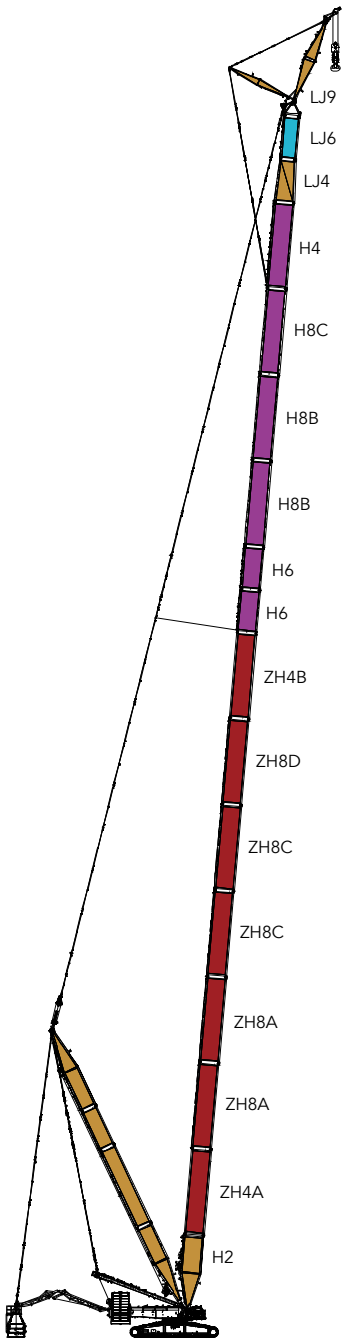
Boom Configurations



HJHEDB_9
(144+7-168+7)



HJFJDB_5
(96+12-126+12)

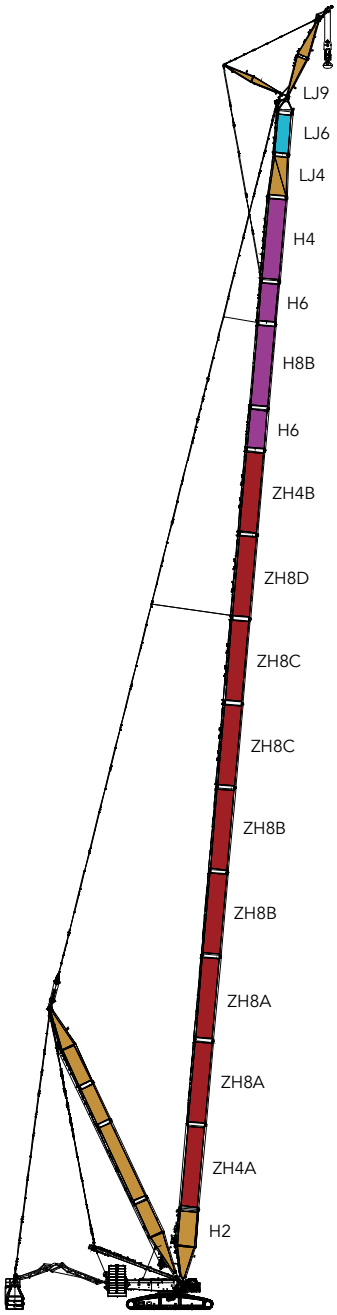


HJFJDB_7
(120+12-168+12)

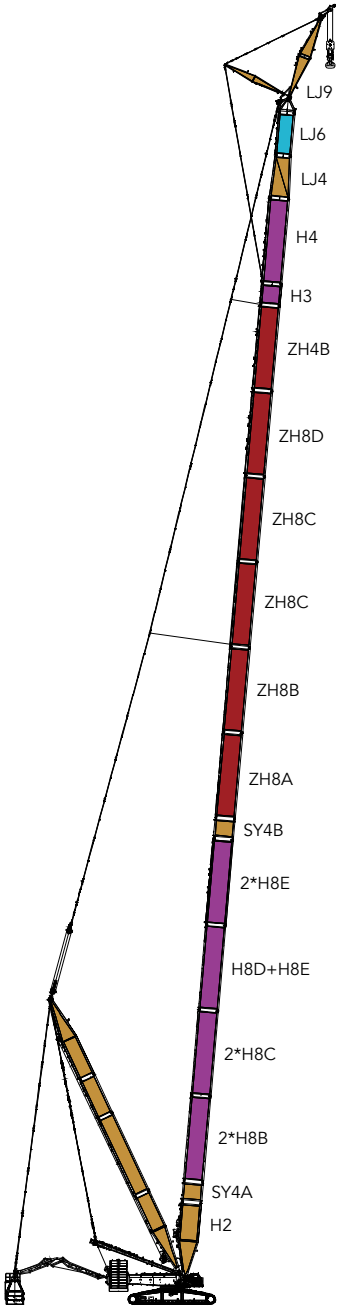
Configuration	Boom Combination	Boom Length
HJHEDB_9	Power boom(9)+ Mixed Boom+Eagle tip +Superlift mast+Superlift counterweight	(144m+7m) - (168m+7m)
HJFJDB_5	Power boom(7)+ Mixed boom +Fixed Jib +Superlift mast+Superlift counterweight	(96m+12m) - (126m+12m)
HJFJDB_7	Power boom(7)+ Mixed Boom+Fixed Jib +Superlift mast+Superlift counterweight	(120m+12m) - (168m+12m)

Note: The schematics above are reference for loading only.

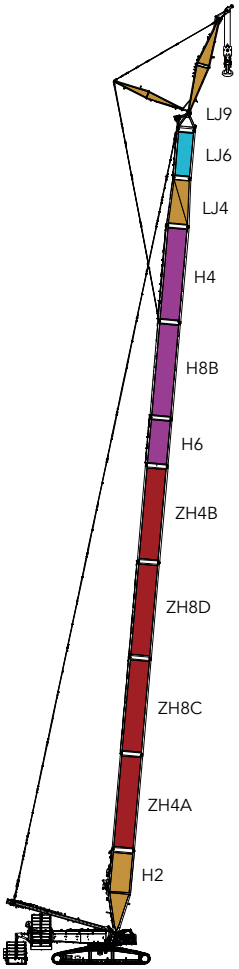
Boom Configurations



HJFJDB_9
(144+12-168+12)



HJFJDB_SY4
(105+12-165+12)

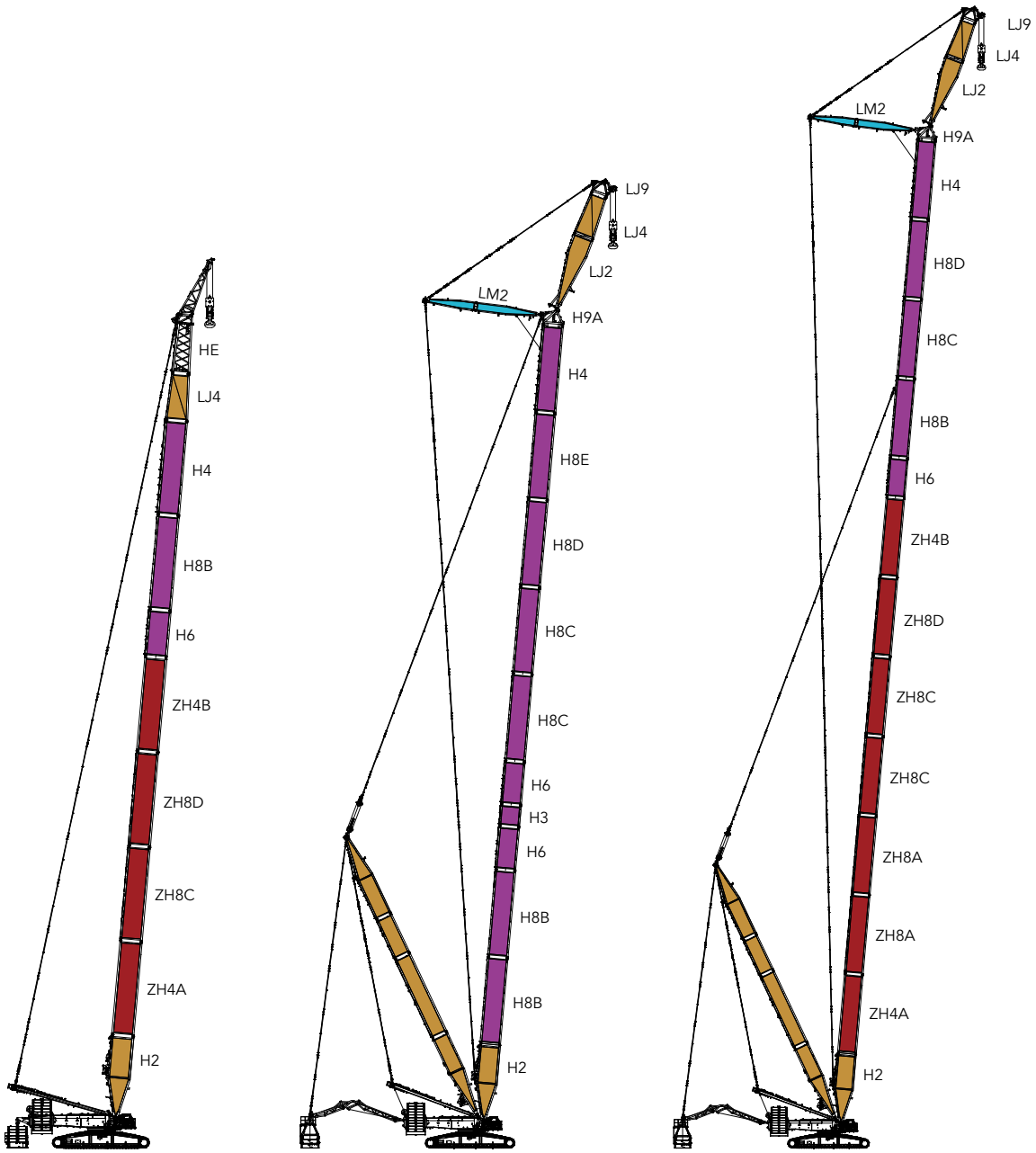


HJFJ_4
(93+12-102+12)

Configuration	Boom Combination	Boom Length
HJFJDB_9	Power boom(9)+ Mixed boom +Fixed Jib +Superlift mast+Superlift counterweight	(144m+12m) - (168+12m)
HJFJDB_SY4	Super power boom(4) +Power boom(6)+ Mixed Boom+Fixed Jib + Superlift mast+Superlift counterweight	(105m+12m) - (165m+12m)
HJFJ_4	Power boom(4) + Mixed Boom+Fixed tip	(93m+12m) - (102m+12m)

Note: The schematics above are reference for loading only.

Boom Configurations



HJHE_4
(93+7-102+7)

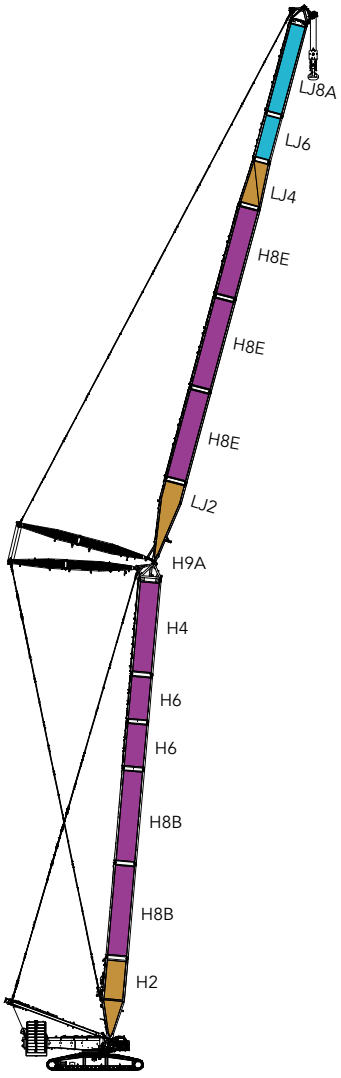
FJhDB
(78+18-111+18)

FJhDB_7
(120+18-150+18)

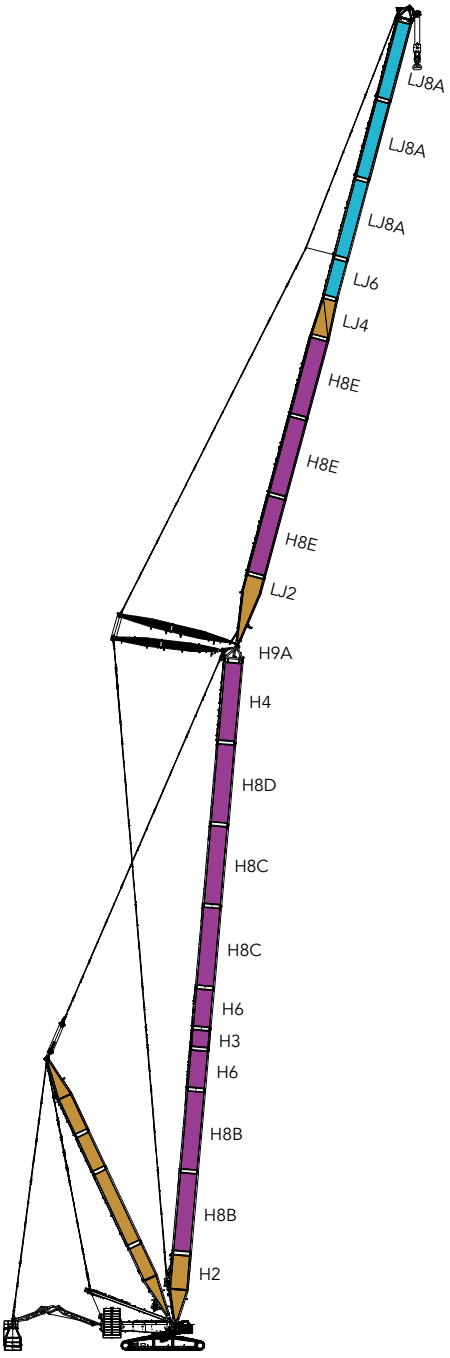
Configuration	Boom Combination	Boom Length
HJHE_4	Power boom(4) + Mixed Boom+Eagle tip	(93m+7m) - (102m+7m)
FJhDB	Boom+ Fixed Jib+Superlift mast+Superlift counterweight	(78m+18m) - (111m+18m)
FJhDB_7	Power boom(7)+ Boom +Fixed Jib +Superlift mast+Superlift counterweight	(120m+18m) - (150m+18m)

Note: The schematics above are reference for loading only.

Boom Configurations



LJ
(30-60+24-72)



LJDB
(42-99+24-96)

Configuration	Boom Combination	Boom Length
LJ	Boom + Luffing Jib	(30m-60m) + (24m-72m)
LJDB	Boom + Luffing Jib +superlift mast+Superlift counterweight	(42m-99m) + (24m-96m)

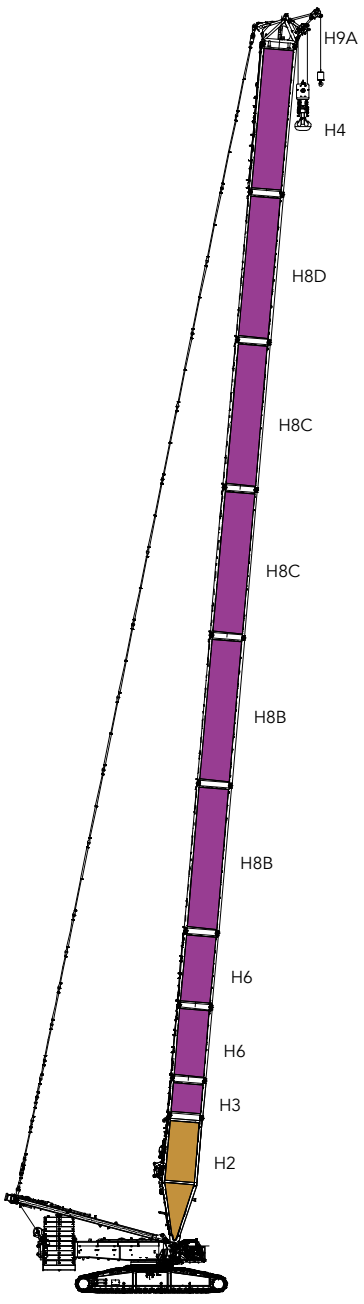
Note: The schematics above are reference for loading only.

H Configuration

Boom combination in H

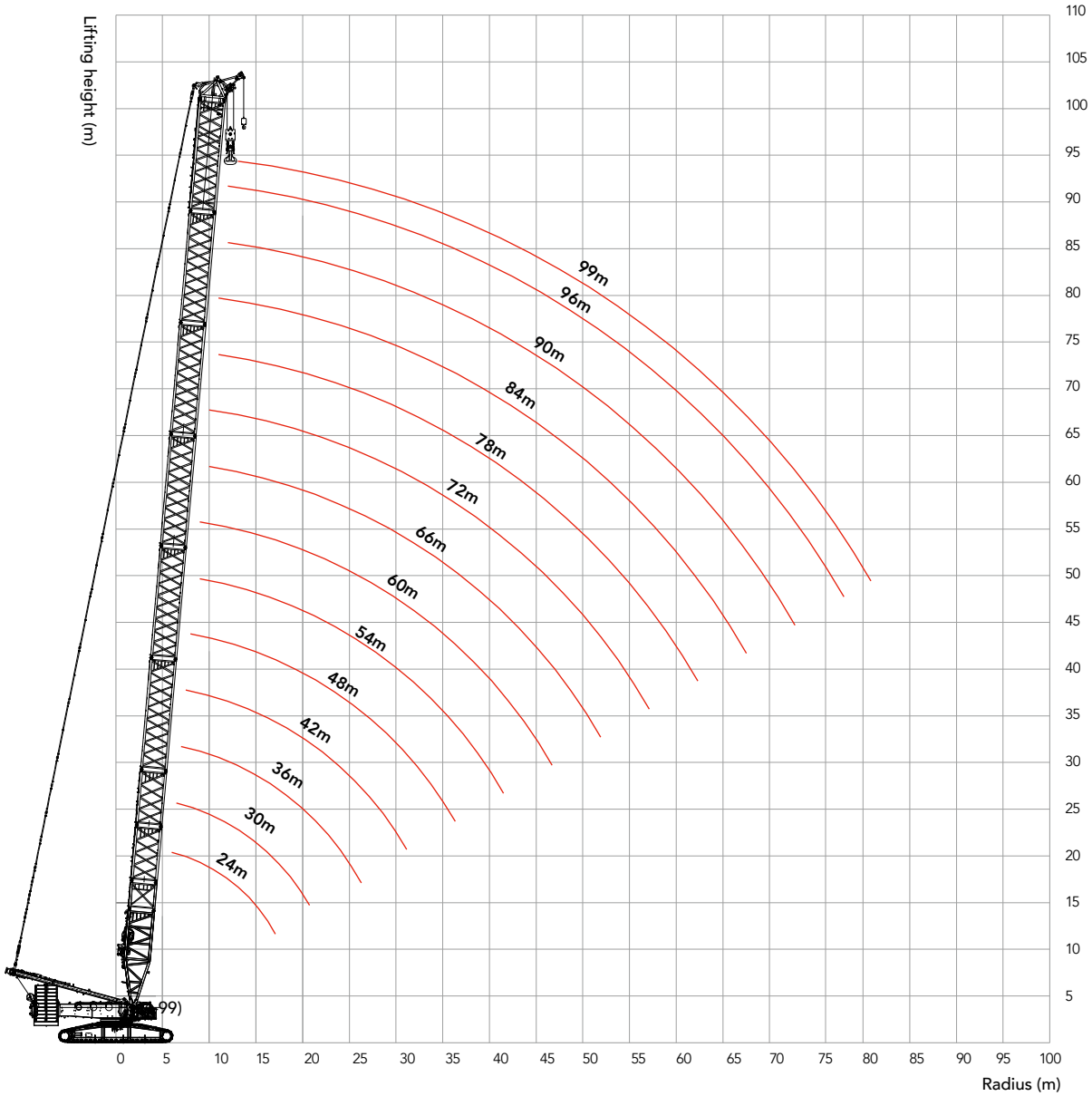
Boom length (m)	Insert				
	3m	6m	12mB	12mC	12mD
24	-	-	-	-	-
30	-	1	-	-	-
36	-	-	1	-	-
42	-	1	1	-	-
48	-	-	2	-	-
54	-	1	2	-	-
60	-	2	2	-	-
66	-	1	2	1	-
72	-	2	2	1	-
78	-	1	2	2	-
84	-	2	2	2	-
90	-	1	2	2	1
96	-	2	2	2	1
99	1	2	2	2	1

Note: The 10.5 m boom base, 12 m boom transition section , 800t pulley block and boom connecting tip are must.



H
(24-99)

H Working Radius



Unit: t

H Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of H configurations.

SCC9000A Crawler Crane — H Configuration

Boom length 24-99m, Rear counterweight (CWT) 230t, Carbody counterweight (CWT) 80t

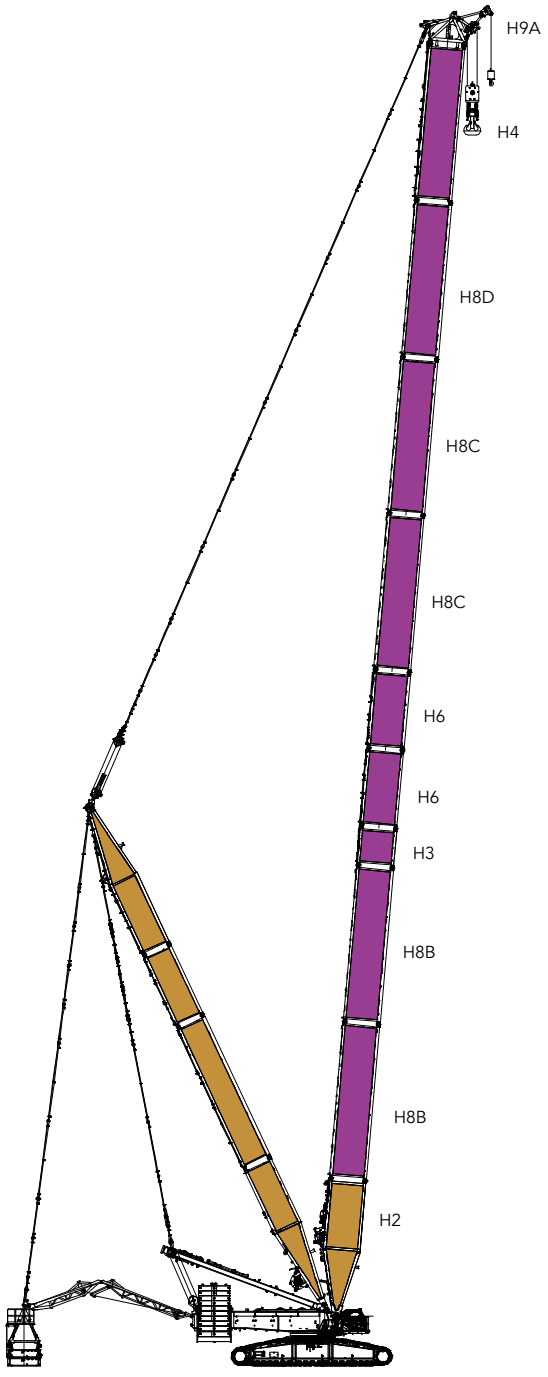
Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	99	Radius(m)
6	887														6
6.5	849	804													6.5
7	776	776	775												7
7.5	714	714	713	713											7.5
8	661	661	660	660	650										8
9	575	575	574	574	564	534	506								9
10	509	508	508	507	497	473	450	430	411						10
11	455	455	454	453	444	424	405	388	372	357	343				11
12	412	411	411	410	401	384	368	354	340	327	314	302	264		12
13	376	375	375	374	365	350	337	324	312	301	290	280	260	243	13
14	345	345	344	343	335	322	310	299	288	278	268	260	250	239	14
15	319	318	318	317	309	297	287	277	267	259	250	242	233	230	15
16	296	296	295	294	286	276	267	258	249	241	233	226	218	215	16
17	276	276	275	274	266	257	249	241	233	226	218	212	205	202	17
18	258	258	257	256	249	241	233	226	219	212	205	199	193	190	18
19	240	241	242	241	234	226	219	213	206	200	193	188	182	179	19
20	223	224	224	224	220	213	206	200	194	188	182	177	172	169	20
22	194	195	196	195	194	190	184	179	174	169	163	159	154	152	22
24		172	173	172	172	171	166	162	157	152	147	144	139	137	24
26		154	154	154	153	152	151	147	142	138	134	130	126	124	26
28		138	139	138	138	136	135	134	130	126	122	119	115	113	28
30			126	125	125	123	122	122	119	116	112	109	105	104	30
32			114	114	113	112	111	110	109	107	103	100	97.1	95.5	32
34				104	104	103	101	101	99.8	98.9	95.4	92.9	89.5	87.9	34
36				96.4	95.8	94.7	93.4	92.8	91.3	90.4	88.3	85.9	82.6	81.2	36
38				88.9	88.4	87.3	86.0	85.4	83.9	83.0	81.5	79.7	76.5	75.0	38
40					81.8	80.7	79.4	78.8	77.3	76.4	74.9	74.0	70.9	69.5	40
44					70.4	69.5	68.2	67.6	66.1	65.2	63.6	62.9	61.1	59.8	44
48						60.2	59.1	58.4	57.0	56.0	54.4	53.7	52.1	51.4	48
52							51.4	50.8	49.3	48.4	46.8	46.1	44.5	43.8	52
56								44.3	42.8	41.9	40.3	39.6	38.0	37.3	56
60									37.2	36.4	34.8	34.1	32.4	31.7	60
64									32.4	31.5	29.9	29.3	27.6	26.9	64
68										27.2	25.7	25.0	23.4	22.6	68
72											21.9	21.3	19.6	18.9	72
76												17.9	16.3	15.6	76
80												14.9	13.3	12.5	80
84													10.5	9.8	84
88														7.3	88

HDB Configuration

Boom combination in HDB

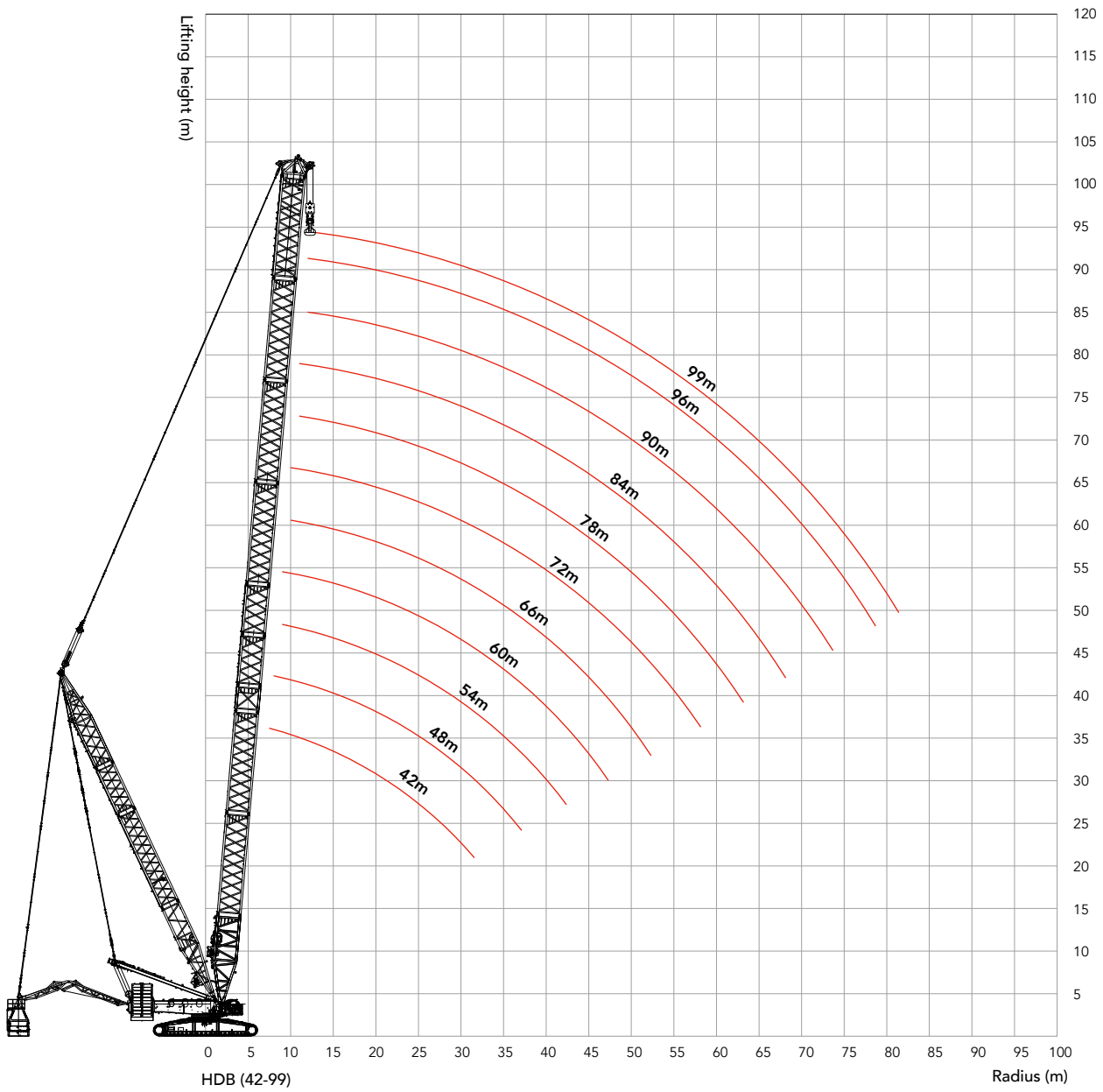
Boom length (m)	Insert				
	3m	6m	12mB	12mC	12mD
42	-	1	1	-	-
48	-	-	2	-	-
54	-	1	2	-	-
60	-	2	2	-	-
66	-	1	2	1	-
72	-	2	2	1	-
78	-	1	2	2	-
84	-	2	2	2	-
90	-	1	2	2	1
96	-	2	2	2	1
99	1	2	2	2	1

Note: The 10.5 m boom base, 12 m boom transition section , 800t pulley block and boom connecting tip are must.



HDB
(42-99)

HDB Working Radius



HDB (42-99)

Unit: t

HDB Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HDB configurations.

SCC9000A Crawler Crane — HDB Configuration 1/4

Boom length 42-99m, Superlift Radius 16m, Superlift CWT 0t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	42	48	54	60	66	72	78	84	90	96	99	Radius(m)
7.5	647											7.5
8	593	592										8
9	507	507	509	510								9
10	443	442	443	444	445	445						10
11	392	391	392	392	393	393	393	392				11
12	351	350	351	351	352	351	351	350	349	313		12
13	318	317	317	317	318	317	317	316	314	313	295	13
14	290	289	289	289	289	288	288	287	286	284	284	14
15	266	265	265	264	265	264	264	262	261	260	259	15
16	246	244	244	244	244	243	243	241	240	239	238	16
17	228	227	226	226	226	225	224	223	222	220	220	17
18	231	211	211	210	210	209	208	207	206	204	204	18
19	216	197	197	196	196	195	194	193	191	190	189	19
20	202	201	184	184	184	182	182	180	179	177	177	20
22	180	178	178	162	162	161	160	159	157	156	155	22
24	161	160	159	145	145	143	143	141	140	138	137	24
26	156	144	143	142	130	129	128	126	125	123	122	26
28	142	141	130	129	129	116	116	114	113	111	110	28
30	130	129	119	117	117	116	105	103	102	100	99.6	30
32	119	118	117	107	107	106	105	94.2	92.9	91.1	90.2	32
34	110	109	108	107	98.7	97.2	96.6	94.9	84.8	82.9	82.0	34
36	101	100	99.9	98.8	91.0	89.4	88.7	87.0	85.9	75.7	74.7	36
38	94.1	93.3	92.4	91.3	91.3	82.5	81.8	80.0	78.9	77.1	76.2	38
40		86.6	85.7	84.6	84.5	83.1	75.5	73.8	72.7	70.9	69.9	40
44		74.9	74.1	73.0	72.9	71.5	71.0	63.0	61.9	60.1	59.2	44
48			64.4	63.4	63.3	61.9	61.3	59.7	53.0	51.1	50.2	48
52				55.1	55.1	53.7	53.2	51.5	50.6	48.9	42.7	52
56					48.0	46.7	46.1	44.5	43.7	41.9	41.0	56
60						40.5	40.0	38.4	37.6	35.9	35.0	60
64						35.1	34.6	33.1	32.3	30.6	29.7	64
68							29.8	28.3	27.6	25.9	25.0	68
72								24.0	23.4	21.7	20.8	72
76									19.5	17.9	17.0	76
80									16.1	14.4	13.5	80
84										11.3	10.4	84
88											7.5	88

Unit: t

HDB Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HDB configurations.

SCC9000A Crawler Crane — HDB Configuration 2/4

Boom length 42-99m, Superlift Radius 18m, Superlift CWT 100t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	42	48	54	60	66	72	78	84	90	96	99	Radius(m)
7.5	890											7.5
8	890	742										8
9	797	749	694	637								9
10	697	696	694	637	579	521						10
11	619	618	620	620	579	521	486	420				11
12	556	555	556	557	557	521	487	421	356	313		12
13	504	503	504	504	505	504	488	422	357	313	295	13
14	461	460	460	460	461	460	460	423	357	314	295	14
15	424	423	423	423	424	423	423	422	359	315	295	15
16	393	391	392	391	392	391	391	389	360	316	295	16
17	365	364	364	363	364	363	363	361	360	316	295	17
18	359	340	340	339	339	338	338	337	336	316	295	18
19	337	319	318	318	318	317	316	315	314	312	296	19
20	317	316	299	299	299	297	297	296	294	293	292	20
22	283	282	281	266	266	265	264	263	261	260	259	22
24	255	254	253	239	239	238	237	236	234	233	232	24
26	242	230	229	229	217	215	215	213	212	210	209	26
28	221	221	210	209	209	196	196	194	193	191	190	28
30	203	203	192	191	191	190	179	177	176	174	174	30
32	188	187	186	176	176	175	174	163	162	160	159	32
34	174	173	173	172	163	162	161	160	149	148	147	34
36	162	161	160	159	152	150	150	148	147	137	136	36
38	151	150	150	149	149	140	139	137	136	135	134	38
40		141	140	139	139	137	130	128	127	125	124	40
44		124	123	122	122	121	120	112	111	109	108	44
48			109	108	108	107	106	105	98.3	96.5	95.6	48
52				96.6	96.6	95.3	94.8	93.2	92.3	90.6	84.4	52
56					86.4	85.1	84.6	83.1	82.2	80.5	79.6	56
60						76.3	75.9	74.3	73.5	71.8	70.9	60
64						68.5	68.2	66.6	65.9	64.2	63.3	64
68							61.3	59.8	59.1	57.4	56.5	68
72								53.7	53.1	51.4	50.5	72
76									47.6	46.0	45.1	76
80									42.7	41.1	40.2	80
84										36.6	35.8	84
88											31.7	88

Unit: t

HDB Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HDB configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HDB Configuration 3/4

Boom length 42-99m, Superlift Radius 20m, Superlift CWT 200t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	42	48	54	60	66	72	78	84	90	96	99	Radius(m)
7.5	890											7.5
8	890	742										8
9	890	749	694	637								9
10	890	747	694	637	579	521*						10
11	842	752	694	637	579	521	486	420*				11
12	762	755	694	637	579	521	487	421	356*	313*		12
13	696	695	694	637	579	521	488	422	357*	313*	295*	13
14	641	639	639	637	579	521	489	423	357	314*	295*	14
15	593	591	591	590	579	521	491	423	359	315	295*	15
16	551	550	550	549	549	521	491	424	360	316	295	16
17	515	514	513	513	513	511	491	425	360	316	295	17
18	483	482	481	481	480	479	479	427	360	316	295	18
19	455	453	453	452	452	451	450	427	361	316	296	19
20	429	428	427	427	426	425	425	423	361	315	297	20
22	386	384	384	382	382	381	380	379	361	316	298	22
24	350	349	348	345	345	343	343	341	340	317	297	24
26	320	318	318	317	313	312	312	310	309	307	297	26
28	294	293	292	291	291	286	285	284	282	281	280	28
30	272	270	269	268	268	267	262	261	260	258	257	30
32	252	251	250	249	249	247	247	241	240	238	237	32
34	235	234	233	232	232	230	230	228	222	221	220	34
36	220	219	218	217	217	215	215	213	212	205	204	36
38	207	205	204	203	203	202	201	200	199	197	196	38
40		193	192	191	191	190	189	187	186	185	184	40
44		172	171	170	170	169	168	167	166	164	163	44
48			154	153	153	151	151	149	148	147	146	48
52				138	138	137	136	134	134	132	131	52
56					125	124	123	122	121	119	118	56
60						113	112	111	110	108	108	60
64						103	103	101	101	99.4	98.5	64
68							94.7	93.3	92.5	90.9	90.1	68
72								85.7	85.0	83.4	82.6	72
76									78.3	76.7	75.9	76
80									72.1	70.6	69.8	80
84										65.0	64.2	84
88											58.7	88

Unit: t

HDB Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HDB configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HDB Configuration 4/4

Boom length 42-99m, Superlift Radius 22m, Superlift CWT 440t, Rear CWT 230t, Carbody CWT 80t

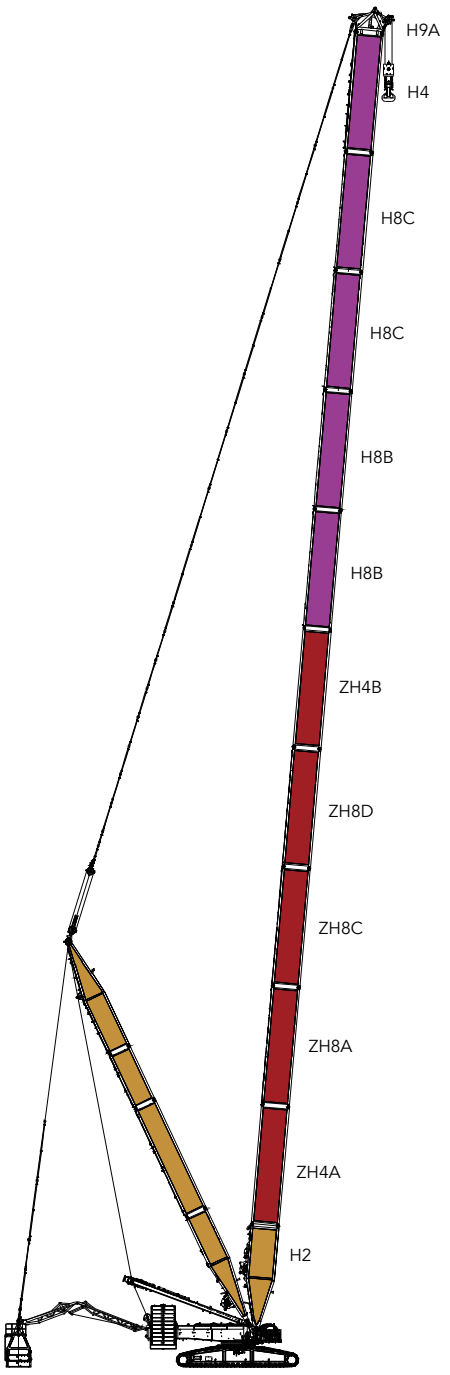
Radius(m)	42	48	54	60	66	72	78	84	90	96	99	Radius(m)
7.5	890*											7.5
8	890*	742*										8
9	890*	749*	694*	637*								9
10	890*	747*	694*	637*	579*	521*						10
11	890*	752*	694*	637*	579*	521*	486*	420*				11
12	890*	755*	694*	637*	579*	521*	487*	421*	356*	313*		12
13	890*	762*	694*	637*	579*	521*	488*	422*	357*	313*	295*	13
14	890	768*	723*	637*	579*	521*	489*	423*	357*	314*	295*	14
15	890	773	723*	637*	579*	521*	491*	423*	359*	315*	295*	15
16	870	779	723	637*	579*	521*	491*	424*	360*	316*	295*	16
17	814	786	723	637*	579*	521*	491*	425*	360*	316*	295*	17
18	764	763	723	637	579*	521*	491*	427*	360*	316*	295*	18
19	720	719	718	637	579*	550*	491*	427*	361*	316*	296*	19
20	681	679	679	666	579	550	491*	426*	361*	315*	297*	20
22	613	612	611	610	608	550	491*	428*	361*	316*	298*	22
24	557	556	555	554	554	550	491	430*	362*	317*	297*	24
26	510	509	508	507	507	506	491	428	363*	318*	297*	26
28	471	469	468	467	467	466	465	429	363*	317*	298*	28
30	436	435	434	433	433	431	431	429	361	317*	298*	30
32	406	405	404	403	403	401	401	399	362	317	298*	32
34	380	379	378	376	376	375	374	373	361	317	298	34
36	356	355	354	353	353	351	351	349	348	317	298	36
38	335	334	333	332	332	331	330	328	327	317	297	38
40		316	315	313	313	312	311	310	309	307	297	40
44		283	282	281	281	279	279	277	276	275	274	44
48			255	254	254	253	252	250	250	248	247	48
52				231	231	230	229	228	227	225	224	52
56					212	211	210	208	208	206	205	56
60						194	193	192	191	189	188	60
64						179	178	177	176	175	174	64
68							165	164	163	162	161	68
72								152	152	150	149	72
76									141	140	139	76
80									132	130	130	80
84										122	121	84
88											113	88

HDB_5 Configuration

Boom combination in HDB_5

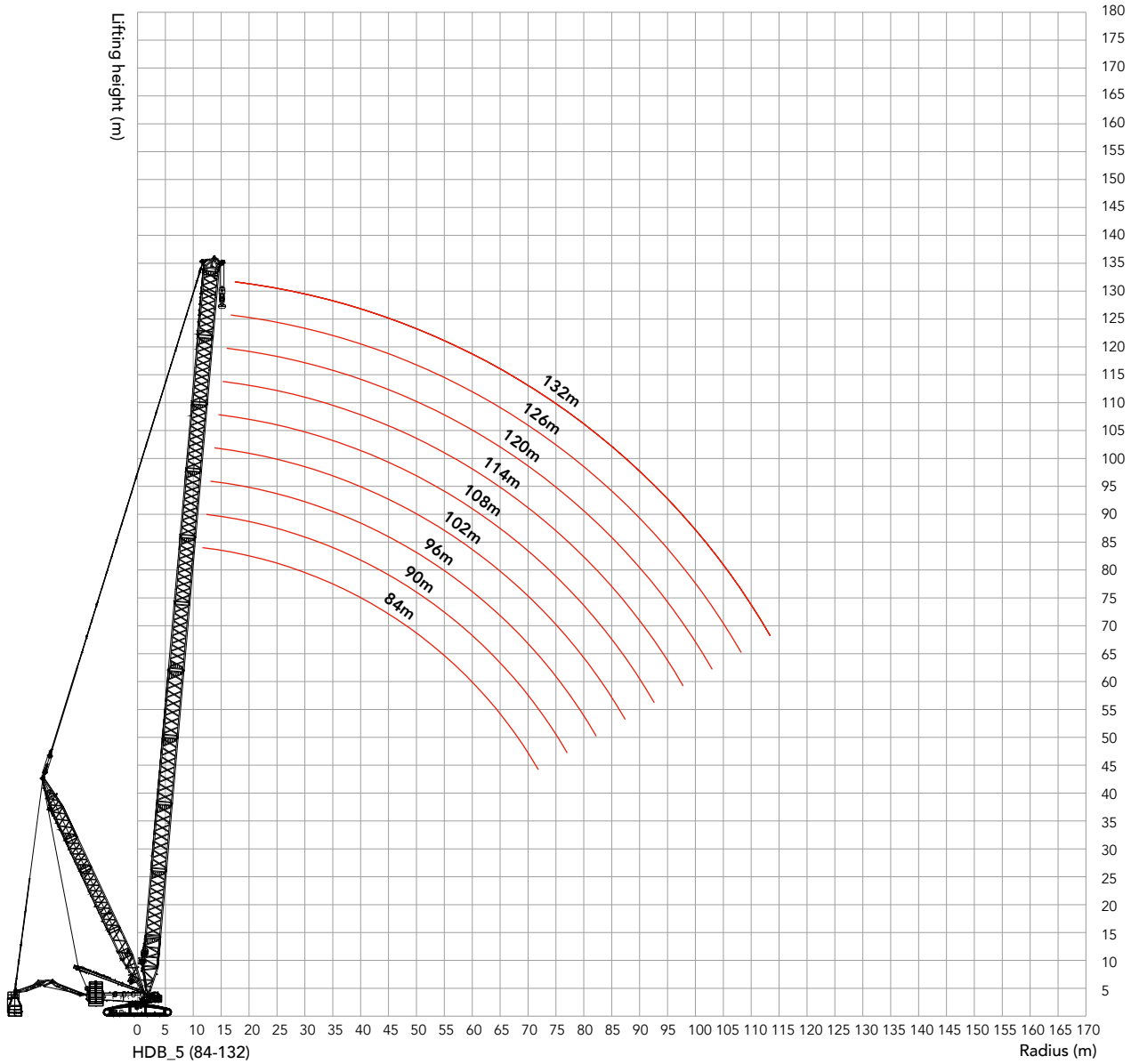
Boom length (m)	Power boom					Boom insert				
	12m lower transition section	12mA	12mC	12mD	12m upper transition section	6m	12mB	12mC	12mD	12mD
84	1	1	1	1	1	-	-	-	-	-
90	1	1	1	1	1	1	-	-	-	-
96	1	1	1	1	1	-	1	-	-	1
102	1	1	1	1	1	1	1	-	-	1
108	1	1	1	1	1	-	2	-	-	1
114	1	1	1	1	1	1	2	-	-	1
120	1	1	1	1	1	-	2	1	-	1
126	1	1	1	1	1	1	2	1	-	1
132	1	1	1	1	1	-	2	2	-	1

Note: The 10.5 m boom base, 12 m boom transition section ,
800t pulley block and 1.5m boom top are must.



HDB_5
(84-132)

HDB_5 Working Radius



Unit: t

HDB_5 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HDB_5 configurations.

SCC9000A Crawler Crane — HDB_5 Configuration 1/4

Boom length 84~132m, Superlift Radius 16m, Superlift CWT 0t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	84	90	96	102	108	114	120	126	132	Radius(m)
11	387									11
12	345	344	343							12
13	310	309	308	306						13
14	281	280	279	278	276	266				14
15	257	256	255	253	253	249	242	234		15
16	236	234	234	232	231	230	227	220	214	16
17	217	216	215	214	213	211	211	207	201	17
18	201	200	199	198	196	195	195	193	190	18
19	187	186	185	183	182	181	180	179	178	19
20	175	173	172	171	169	168	167	166	165	20
22	153	152	151	149	148	146	146	144	143	22
24	135	134	133	131	130	128	128	126	125	24
26	121	119	118	116	115	113	113	111	110	26
28	108	107	105	104	102	100	100	98.5	97.6	28
30	98.0	96.3	95.1	93.3	91.9	90.0	89.5	87.5	86.7	30
32	88.7	87.0	85.7	83.9	82.5	80.5	80.0	78.0	77.1	32
34	89.4	78.8	77.5	75.6	74.2	72.3	71.7	69.7	68.8	34
36	81.6	79.9	70.3	68.4	66.9	65.0	64.3	62.3	61.4	36
38	74.6	72.9	71.7	61.9	60.4	58.4	57.8	55.8	54.9	38
40	68.3	66.6	65.4	63.6	54.6	52.6	52.0	49.9	49.0	40
44	57.6	55.9	54.6	52.8	51.3	49.4	41.9	39.8	38.9	44
48	54.3	46.9	45.7	43.8	42.3	40.4	39.7	37.7	30.5	48
52	46.1	44.5	43.4	36.2	34.8	32.8	32.1	30.1	29.2	52
56	39.1	37.5	36.4	34.6	28.3	26.3	25.6	23.6	22.7	56
60	33.1	31.5	30.3	28.5	27.2	20.7	20.0	18.0	17.0	60
64	27.7	26.1	25.0	23.2	21.9	20.0	19.3	13.0	12.1	64
68	23.0	21.4	20.3	18.5	17.2	15.3	14.7	12.7	7.7	68
72	18.7	17.2	16.1	14.3	13.0	11.1	10.5	8.5	7.6	72
76		13.4	12.3	10.6	9.2	7.3	6.7	4.8	3.9	76
80		9.9	8.8	7.1	5.8	4.0	3.4	1.4	0.5	80
84			5.7	4.0	2.7	0.9	0.3			84
88				1.1						88

Unit: t

HDB_5 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HDB_5 configurations.

SCC9000A Crawler Crane — HDB_5 Configuration 2/4										
Boom length 84~132m, Superlift Radius 18m, Superlift CWT 150t, Rear CWT 230t, Carbody CWT 80t										
Radius(m)	84	90	96	102	108	114	120	126	132	Radius(m)
11	462									11
12	462	432	402							12
13	462	432	402	372						13
14	462	432	402	372	342	311				14
15	462	432	402	372	342	311	293	260		15
16	452	432	402	372	342	311	293	260	229	16
17	420	419	402	372	342	311	294	260	229	17
18	391	390	389	372	342	311	294	260	229	18
19	366	365	364	363	342	311	294	260	229	19
20	344	342	341	340	339	331	294	260	229	20
22	305	304	303	301	300	299	295	260	229	22
24	274	272	271	270	269	267	267	259	228	24
26	248	246	245	243	242	240	240	238	226	26
28	226	224	223	221	220	218	218	216	215	28
30	206	205	204	202	201	199	198	196	196	30
32	190	188	187	185	184	182	182	180	179	32
34	184	174	173	171	169	167	167	165	164	34
36	171	169	160	158	156	155	154	152	151	36
38	159	157	156	146	145	143	142	140	140	38
40	148	147	145	144	135	133	132	130	129	40
44	130	128	127	125	124	122	114	112	111	44
48	120	113	112	110	108	106	106	104	97.2	48
52	107	105	104	97.3	95.9	94.0	93.4	91.3	90.4	52
56	95.6	94.0	92.9	91.2	84.9	82.9	82.3	80.3	79.4	56
60	85.6	84.0	83.0	81.2	79.9	73.4	72.8	70.7	69.8	60
64	76.8	75.3	74.2	72.5	71.2	69.3	68.7	62.4	61.5	64
68	69.1	67.6	66.5	64.8	63.5	61.6	61.0	59.0	54.1	68
72	62.2	60.7	59.7	57.9	56.6	54.7	54.2	52.2	51.3	72
76		54.5	53.5	51.8	50.5	48.6	48.1	46.1	45.2	76
80		48.9	47.9	46.2	45.0	43.1	42.5	40.6	39.7	80
84			42.8	41.2	39.9	38.1	37.5	35.6	34.7	84
88				36.5	35.3	33.5	33.0	31.0	30.2	88
92					31.1	29.3	28.8	26.9	26.1	92
96					27.2	25.5	24.9	23.0	22.2	96
100						21.9	21.4	19.5	18.7	100
104							18.0	16.2	15.4	104
108								13.1	12.4	108
112									9.5	112
116									6.8	116

Unit: t

HDB_5 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HDB_5 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HDB_5 Configuration 3/4

Boom length 84~132m, Superlift Radius 20m, Superlift CWT 300t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	84	90	96	102	108	114	120	126	132	Radius(m)
11	462*									11
12	462*	432*	402*							12
13	462*	432*	402*	372*						13
14	462*	432*	402*	372*	342*	311*				14
15	462*	432*	402*	372*	342*	311*	293*	260*		15
16	462	432*	402*	372*	342*	311*	293*	260*	229*	16
17	462	432	402	372*	342*	311*	294*	260*	229*	17
18	462	432	402	372	342*	311*	294*	260*	229*	18
19	462	432	402	372	342*	311*	294*	260*	229*	19
20	462	432	402	372	342	334	294*	260*	229*	20
22	455	432	402	372	342	335	295	260*	229*	22
24	412	410	402	372	342	335	295	259	228*	24
26	376	374	373	371	342	335	295	260	226*	26
28	345	343	342	340	339	337	294	260	224	28
30	318	317	315	314	313	311	295	258	222	30
32	295	293	292	291	289	288	287	256	220	32
34	274	273	272	270	269	267	266	253	218	34
36	256	255	254	252	251	249	248	247	216	36
38	240	239	238	236	235	233	232	230	214	38
40	226	224	223	221	220	218	218	216	212	40
44	201	199	198	197	195	194	193	191	190	44
48	180	179	178	176	175	173	172	170	169	48
52	163	161	160	158	157	155	155	153	152	52
56	148	146	145	143	142	140	140	138	137	56
60	135	133	132	130	129	127	127	125	124	60
64	123	122	121	119	118	116	115	114	113	64
68	113	112	111	109	108	106	105	104	103	68
72	104	103	102	100	99.4	97.6	96.9	95.1	94.3	72
76		95.2	94.2	92.6	91.4	89.6	89.0	87.2	86.4	76
80		88.0	87.0	85.4	84.2	82.5	81.8	80.0	79.2	80
84			80.4	78.9	77.7	76.0	75.3	73.5	72.7	84
88				72.9	71.7	70.0	69.4	67.6	66.8	88
92					66.3	64.6	64.0	62.2	61.4	92
96					61.2	59.6	59.0	57.2	56.5	96
100						54.9	54.4	52.7	51.9	100
104							50.1	48.4	47.7	104
108								44.4	43.7	108
112									40.0	112
116									36.6	116

Unit: t

HDB_5 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HDB_5 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HDB_5 Configuration 4/4

Boom length 84~132m, Superlift Radius 22m, Superlift CWT 440t, Rear CWT 230t, Carbody CWT 80t

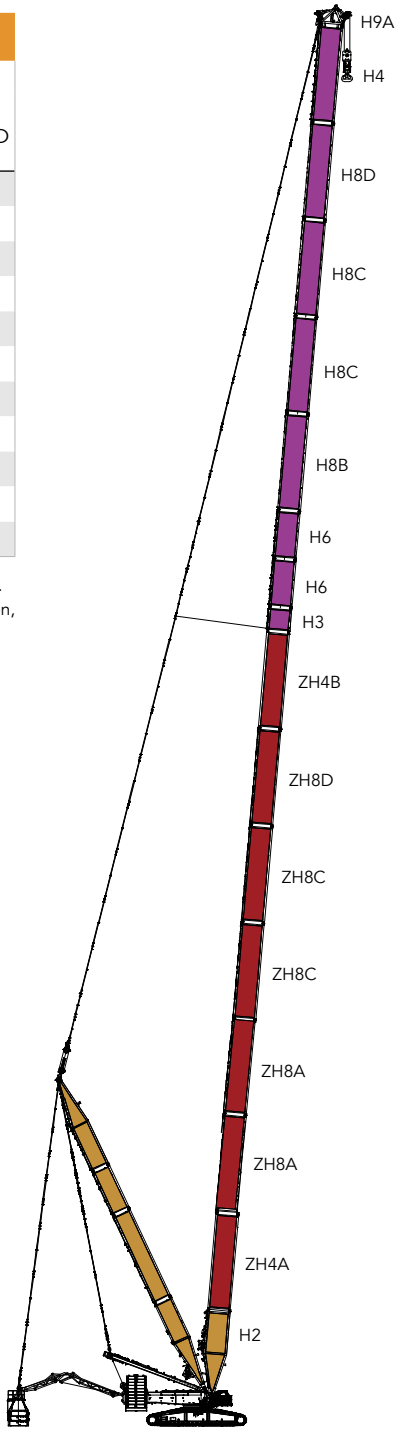
Radius(m)	84	90	96	102	108	114	120	126	132	Radius(m)
11	462*									11
12	462*	432*	402*							12
13	462*	432*	402*	372*						13
14	462*	432*	402*	372*	342*	311*				14
15	462*	432*	402*	372*	342*	311*	293*	260*		15
16	462*	432*	402*	372*	342*	311*	293*	260*	229*	16
17	462*	432*	402*	372*	342*	311*	294*	260*	229*	17
18	462*	432*	402*	372*	342*	311*	294*	260*	229*	18
19	462*	432*	402*	372*	342*	311*	294*	260*	229*	19
20	462*	432*	402*	372*	342*	334*	294*	260*	229*	20
22	462*	432*	402*	372*	342*	335*	295*	260*	229*	22
24	462	432*	402*	372*	342*	335*	295*	259*	228*	24
26	462	432	402	372*	342*	335*	295*	260*	226*	26
28	459	432	402	372	342*	337*	294*	260*	224*	28
30	424	423	402	372	342	336	295*	258*	222*	30
32	394	393	392	372	342	336	295*	256*	220*	32
34	368	366	365	363	362	336	292	253*	218*	34
36	344	343	342	340	339	335	290	251*	216*	36
38	323	322	321	319	318	316	287	249	214*	38
40	305	303	302	300	299	297	285	246	212*	40
44	272	271	270	268	267	265	264	242	207	44
48	246	244	243	241	240	238	238	236	203	48
52	223	221	220	219	217	216	215	213	198	52
56	204	202	201	199	198	196	196	194	193	56
60	187	185	184	183	181	179	179	177	176	60
64	172	171	170	168	167	165	164	162	162	64
68	159	158	157	155	154	152	151	149	149	68
72	148	146	145	143	142	140	140	138	137	72
76		136	135	133	132	130	130	128	127	76
80		126	125	124	123	121	120	118	118	80
84			117	115	114	113	112	110	109	84
88				108	107	105	104	103	102	88
92					100	98.4	97.8	96.0	95.2	92
96					93.6	91.9	91.4	89.6	88.8	96
100						86.0	85.4	83.7	82.9	100
104							80.0	78.2	77.5	104
108								73.2	72.4	108
112									66.0	112
116									59.0	116

HDB_7 Configuration

Boom combination in HDB_7

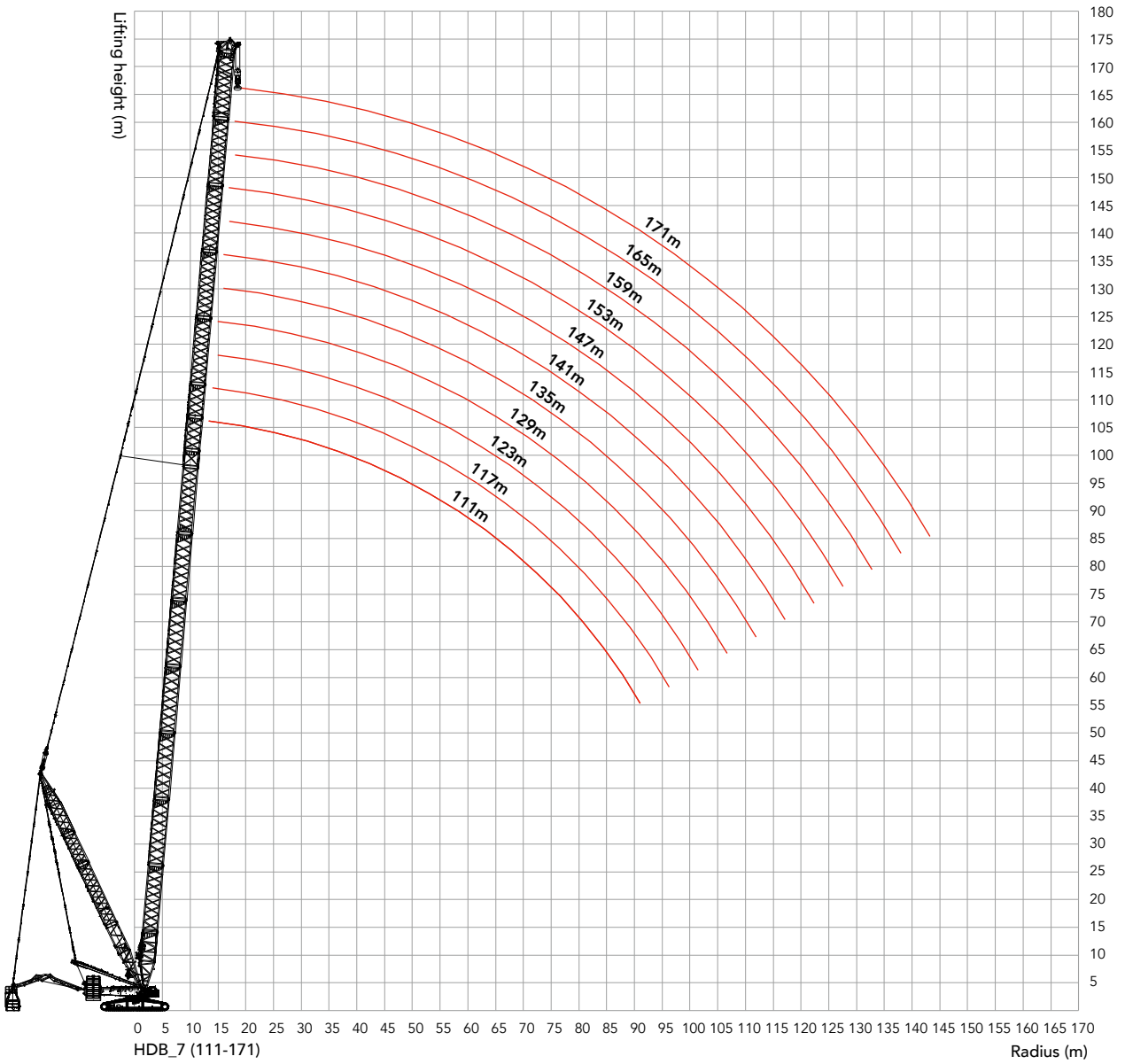
Boom length (m)	Power boom					Boom insert				
	12m lower transition section	12mA	12mC	12mD	12m upper transition section	3m	6m	12mB	12mC	12mD
111	1	2	2	1	1	1	-	-	-	-
117	1	2	2	1	1	1	1	-	-	-
123	1	2	2	1	1	1	-	-	-	1
129	1	2	2	1	1	1	1	-	-	1
135	1	2	2	1	1	1	-	-	1	1
141	1	2	2	1	1	1	1	-	1	1
147	1	2	2	1	1	1	-	1	1	1
153	1	2	2	1	1	1	1	1	1	1
159	1	2	2	1	1	1	-	1	2	1
165	1	2	2	1	1	1	1	1	2	1
171	1	2	2	1	1	1	2	1	2	1

Note: The 10.5 m boom base, 12 m boom transition section ,800t pulley block and 1.5m boom top are must. The mid-point suspension cable must be used for the boom length of 147 m-171m in this working condition, otherwise, the boom system may be broken.



HDB_7
(111-171)

HDB_7 Working Radius



Unit: t

HDB_7 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HDB_7 configurations.

SCC9000A Crawler Crane — HDB_7 Configuration 1/4												
Boom length 111~171m, Superlift Radius 16m, Superlift CWT 0t, Rear CWT 230t, Carbody CWT 80t												
Radius(m)	111	117	123	129	135	141	147	153	159	165	171	Radius(m)
14	268	259										14
15	250	242	236	228								15
16	234	227	221	214	208	201						16
17	220	213	208	201	196	189	184	177				17
18	207	201	196	190	185	179	173	167	155	138		18
19	195	189	185	179	174	169	163	158	154	137	121	19
20	185	179	175	169	165	159	155	149	145	137	121	20
22	165	160	157	152	148	143	139	134	130	126	120	22
24	149	144	142	137	134	129	125	121	117	113	109	24
26	135	131	128	124	121	117	113	109	106	102	98.1	26
28	123	119	117	113	110	106	102	98.9	96.1	92.2	88.4	28
30	112	108	106	103	100	96.7	93.4	89.7	87.1	83.4	79.7	30
32	103	99.4	97.5	94.0	91.7	88.1	85.0	81.4	79.0	75.4	71.9	32
34	94.5	91.0	89.3	86.0	83.8	80.3	77.4	74.0	71.7	68.3	64.9	34
36	86.8	83.5	81.9	78.7	76.7	73.4	70.5	67.2	65.0	61.8	58.5	36
38	79.8	76.7	75.2	72.2	70.2	67.0	64.3	61.1	59.0	55.8	52.6	38
40	73.5	70.5	69.2	66.2	64.3	61.2	58.6	55.5	53.5	50.4	47.3	40
44	62.5	59.6	58.5	55.7	54.0	51.0	48.6	45.6	43.8	40.8	37.9	44
48	53.1	50.4	49.4	46.7	45.2	42.4	40.0	37.2	35.5	32.6	29.8	48
52	45.1	42.5	41.6	39.0	37.6	34.9	32.6	29.9	28.3	25.5	22.7	52
56	38.2	35.6	34.9	32.4	31.0	28.4	26.2	23.5	22.0	19.3	16.6	56
60	32.1	29.6	28.9	26.5	25.2	22.6	20.5	17.9	16.4	13.8	11.2	60
64	26.7	24.3	23.6	21.3	20.1	17.5	15.5	12.9	11.5	8.9	6.3	64
68	21.9	19.5	19.0	16.6	15.5	13.0	11.0	8.5	7.1	4.6	2.0	68
72	17.6	15.3	14.7	12.5	11.3	8.9	6.9	4.5	3.1	0.6		72
76	13.7	11.4	10.9	8.7	7.6	5.2	3.3	0.8				76
80	10.1	7.9	7.5	5.2	4.2	1.8						80
84	6.9	4.7	4.3	2.1	1.1							84
88	3.9	1.8	1.4									88
92	1.1											92

Unit: t

HDB_7 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HDB_7 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HDB_7 Configuration 2/4

Boom length 111~171m, Superlift Radius 18m, Superlift CWT 200t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	111	117	123	129	135	141	147	153	159	165	171	Radius(m)
14	342	311										14
15	342	311	311	279								15
16	342	311	311	279	249	222*						16
17	342	311	311	279	249	222	199*	179*				17
18	342	311	311	280	249	222	199*	179*	155*	138*		18
19	342	311	311	280	249	222	200	180*	155*	137*	121*	19
20	342	311	311	280	249	223	200	180	154*	137*	121*	20
22	342	311	311	281	249	222	200	179	153	136*	120*	22
24	314	310	305	281	249	222	200	178	152	135	119*	24
26	285	284	281	274	250	222	200	177	151	134	118	26
28	260	259	258	254	249	220	199	176	150	133	117	28
30	239	237	237	235	231	218	198	175	149	132	116	30
32	220	218	218	217	215	210	197	174	148	131	115	32
34	203	202	202	200	199	197	192	173	147	130	114	34
36	189	187	187	185	185	183	180	172	146	129	113	36
38	176	174	174	172	172	170	169	164	145	128	112	38
40	164	163	162	161	160	158	157	154	144	127	112	40
44	144	142	142	141	140	138	137	135	134	125	110	44
48	127	126	126	124	123	121	120	118	117	115	108	48
52	113	112	111	110	109	107	106	104	103	101	99.8	52
56	101	99.9	99.8	98.1	97.4	95.6	94.2	92.3	91.5	89.6	87.7	56
60	91.1	89.4	89.3	87.6	87.0	85.1	83.7	81.9	81.0	79.1	77.2	60
64	81.9	80.2	80.1	78.5	77.8	76.0	74.6	72.7	71.9	70.0	68.0	64
68	73.8	72.2	72.1	70.4	69.7	67.9	66.5	64.6	63.8	61.9	60.0	68
72	66.6	65.0	64.9	63.2	62.6	60.7	59.3	57.5	56.6	54.7	52.8	72
76	60.2	58.5	58.4	56.8	56.1	54.3	52.9	51.1	50.2	48.3	46.4	76
80	54.3	52.7	52.6	51.0	50.3	48.5	47.1	45.3	44.4	42.5	40.6	80
84	49.0	47.4	47.4	45.7	45.1	43.3	41.9	40.0	39.2	37.3	35.4	84
88	44.2	42.6	42.6	40.9	40.3	38.5	37.1	35.3	34.4	32.5	30.6	88
92	39.8	38.2	38.2	36.5	35.9	34.2	32.8	30.9	30.1	28.2	26.3	92
96	35.7	34.1	34.1	32.5	31.9	30.1	28.8	26.9	26.1	24.2	22.3	96
100		30.4	30.4	28.8	28.2	26.4	25.1	23.2	22.4	20.5	18.6	100
104		26.9	26.9	25.3	24.8	23.0	21.6	19.8	19.0	17.1	15.2	104
108			23.7	22.1	21.6	19.8	18.5	16.6	15.8	14.0	12.0	108
112				19.1	18.6	16.8	15.5	13.7	12.9	11.0	9.1	112
116					15.8	14.1	12.7	10.9	10.1	8.3	6.4	116
120						11.4	10.1	8.3	7.5	5.7	3.8	120
124						9.0	7.7	5.9	5.1	3.3	1.4	124
128							5.4	3.6	2.8	1.0		128
132								1.4	0.7			132

Unit: t

HDB_7 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HDB_7 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HDB_7 Configuration 3/4

Boom length 111~171m, Superlift Radius 20m, Superlift CWT 300t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	111	117	123	129	135	141	147	153	159	165	171	Radius(m)
14	342*	311*										14
15	342*	311*	311*	279*								15
16	342*	311*	311*	279*	249*	222*						16
17	342*	311*	311*	279*	249*	222*	199*	179*				17
18	342*	311*	311*	280*	249*	222*	199*	179*	155*	138*		18
19	342	311*	311*	280*	249*	222*	200*	180*	155*	137*	121*	19
20	342	311*	311*	280*	249*	223*	200*	180*	154*	137*	121*	20
22	342	311	311	281	249*	222*	200*	179*	153*	136*	120*	22
24	342	311	311	281	249	222*	200*	178*	152*	135*	119*	24
26	342	311	311	281	250	222	200*	177*	151*	134*	118*	26
28	335	311	311	281	249	220	199	176*	150*	133*	117*	28
30	308	307	307	281	248	218	198	175*	149*	132*	116*	30
32	285	283	283	281	246	216	197	174	148*	131*	115*	32
34	265	263	263	261	244	213	196	173	147	130*	114*	34
36	247	245	245	243	242	211	195	172	146	129*	113*	36
38	230	229	229	227	226	209	194	171	145	128	112*	38
40	216	214	214	212	212	207	193	170	144	127	112	40
44	191	189	189	187	187	185	184	168	142	125	110	44
48	170	169	168	167	166	164	163	161	140	123	108	48
52	153	151	151	149	149	147	145	144	138	122	107	52
56	138	136	136	134	134	132	130	129	128	120	105	56
60	125	123	123	121	121	119	117	116	115	113	103	60
64	113	112	112	110	109	108	106	104	103	102	100	64
68	103	102	102	100	99.8	98.0	96.6	94.7	93.9	92.0	90.1	68
72	95.0	93.3	93.3	91.6	90.9	89.1	87.7	85.9	85.0	83.1	81.2	72
76	87.0	85.4	85.3	83.6	83.0	81.2	79.8	77.9	77.1	75.2	73.3	76
80	79.8	78.2	78.1	76.5	75.9	74.0	72.6	70.8	69.9	68.0	66.1	80
84	73.3	71.7	71.6	70.0	69.4	67.6	66.2	64.3	63.5	61.6	59.7	84
88	67.4	65.8	65.7	64.1	63.5	61.7	60.3	58.4	57.6	55.7	53.8	88
92	61.9	60.3	60.3	58.7	58.1	56.3	54.9	53.1	52.2	50.3	48.4	92
96	56.9	55.3	55.3	53.7	53.1	51.4	50.0	48.1	47.3	45.4	43.5	96
100		50.7	50.7	49.1	48.6	46.8	45.4	43.6	42.8	40.9	39.0	100
104		46.4	46.5	44.9	44.3	42.6	41.2	39.4	38.6	36.7	34.8	104
108			42.5	40.9	40.4	38.6	37.3	35.5	34.7	32.8	30.9	108
112				37.2	36.7	33.9	33.7	31.8	31.0	29.2	27.3	112
116					33.3	27.5	30.2	28.4	27.6	25.8	23.9	116
120						19.2	27.1	25.3	24.5	22.6	20.7	120
124						12.5	24.1	22.3	21.5	19.6	17.8	124
128							21.2	19.5	18.7	16.9	15.0	128
132								16.8	16.0	14.2	12.4	132
136									13.5	11.7	9.9	136
140									11.2	9.4	7.5	140
144										7.1	5.3	144
148											3.2	148

Unit: t

HDB_7 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HDB_7 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HDB_7 Configuration 4/4

Boom length 111~171m, Superlift Radius 22m, Superlift CWT 440t, Rear CWT 230t, Carbody CWT 80t

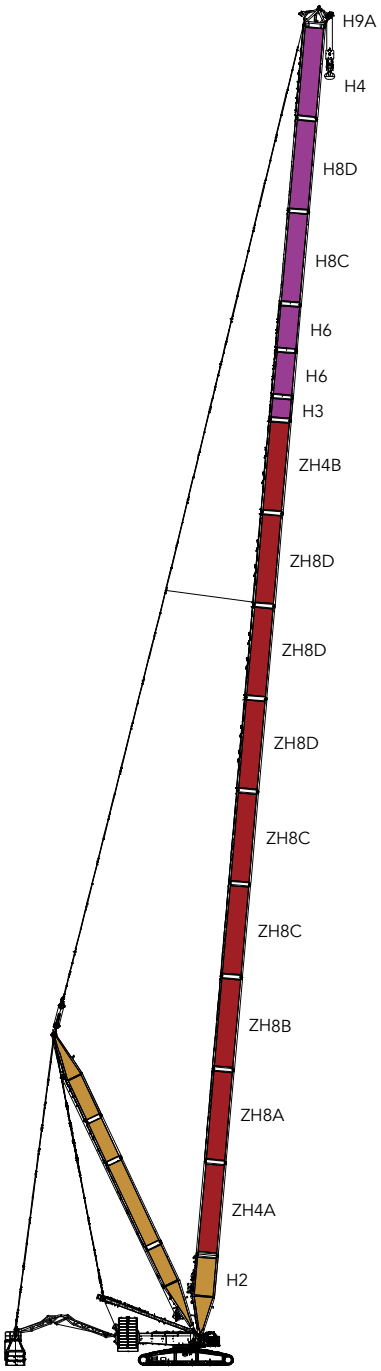
Radius(m)	111	117	123	129	135	141	147	153	159	165	171	Radius(m)
14	342*	311*										14
15	342*	311*	311*	279*								15
16	342*	311*	311*	279*	249*	222*						16
17	342*	311*	311*	279*	249*	222*	199*	179*				17
18	342*	311*	311*	280*	249*	222*	199*	179*	155*	138*		18
19	342*	311*	311*	280*	249*	222*	200*	180*	155*	137*	121*	19
20	342*	311*	311*	280*	249*	223*	200*	180*	154*	137*	121*	20
22	342*	311*	311*	281*	249*	222*	200*	179*	153*	136*	120*	22
24	342*	311*	311*	281*	249*	222*	200*	178*	152*	135*	119*	24
26	342*	311*	311*	281*	250*	222*	200*	177*	151*	134*	118*	26
28	342*	311*	311*	281*	249*	220*	199*	176*	150*	133*	117*	28
30	342	311*	311*	281*	248*	218*	198*	175*	149*	132*	116*	30
32	342	311	311	281*	246*	216*	197*	174*	148*	131*	115*	32
34	342	311	311	281	244*	213*	196*	173*	147*	130*	114*	34
36	334	333	311	281	242*	211*	195*	172*	146*	129*	113*	36
38	314	312	311	278	240	209*	194*	171*	145*	128*	112*	38
40	295	293	293	276	237	207*	193*	170*	144*	127*	112*	40
44	262	261	261	259	233	202	190	168*	142*	125*	110*	44
48	236	234	234	232	228	197	188	166*	140*	123*	108*	48
52	213	211	211	210	209	192	186	164	138*	122*	107*	52
56	194	192	192	190	190	179	184	162	137	120*	105*	56
60	177	175	175	173	173	165	170	159	135	118*	103*	60
64	162	161	160	159	158	153	155	153	133	117	102*	64
68	149	148	148	146	145	140	142	140	131	115	100	68
72	138	136	136	134	134	127	131	129	128	113	99.0	72
76	128	126	126	124	124	116	120	118	118	112	97.4	76
80	118	117	117	115	114	105	111	109	108	106	95.8	80
84	110	108	108	107	106	94.7	103	101	100	98.6	94.4	84
88	102	101	101	99.4	98.8	85.5	95.6	93.8	92.9	91.0	89.1	88
92	95.7	94.1	94.1	92.5	91.9	75.2	88.7	86.8	86.0	84.1	82.2	92
96	89.3	87.7	87.7	86.1	85.1	66.9	82.3	80.5	79.7	77.8	75.8	96
100		81.8	81.8	80.2	75.9	57.7	76.5	74.6	73.8	71.9	70.0	100
104		76.3	76.3	74.7	66.8	50.3	71.0	69.2	68.4	66.5	64.6	104
108			71.2	69.7	58.0	41.8	66.0	64.2	63.4	61.5	59.6	108
112				63.1	49.8	33.9*	61.3	59.5	58.7	56.8	54.9	112
116					40.3	27.5*	57.0	55.2	54.4	52.5	50.6	116
120						19.2*	52.9	51.1	50.3	48.4	46.6	120
124						12.5*	49.0	47.3	46.5	44.6	42.8	124
128							45.4	43.6	42.9	41.1	39.2	128
132								40.2	39.5	37.7	35.8	132
136									36.3	34.5	32.6	136
140									33.3	31.5	29.6	140
144										28.6	26.8	144
148											24.1	148

HDB_9 Configuration

Boom combination in HDB_9

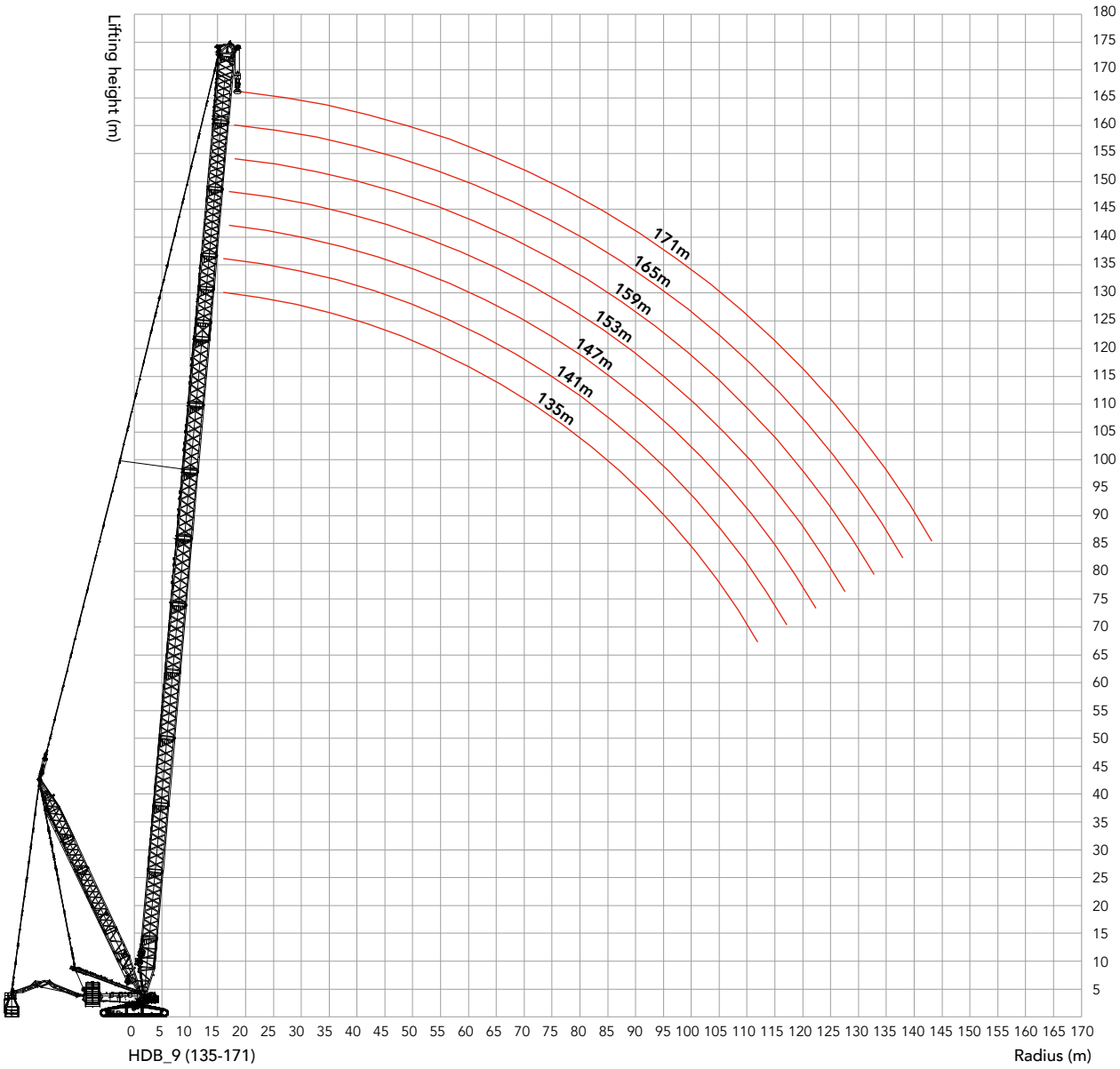
Boom length (m)	Power boom						Boom insert			
	12m lower transition section	12mA	12mB	12mC	12mD	12m upper transition section	3m	6m	12mC	12mD
135	1	2	2	2	1	1	1	-	-	-
141	1	2	2	2	1	1	1	1	-	-
147	1	2	2	2	1	1	1	-	-	1
153	1	2	2	2	1	1	1	1	-	1
159	1	2	2	2	1	1	1	-	1	1
165	1	2	2	2	1	1	1	1	1	1
171	1	2	2	2	1	1	1	2	1	1

Note: The 10.5 m boom base, 12 m boom transition section ,800t pulley block and 1.5m boom top are must. The mid-point suspension cable must be used for the boom length of 135m-171m in this working condition, otherwise, the boom system may be broken.



HDB_9
(135-171)

HDB_9 Working Radius



Unit: t

HDB_9 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HDB_9 configurations.

SCC9000A Crawler Crane — HDB_9 Configuration 1/4								
Boom length 135~171m, Superlift Radius 16m, Superlift CWT 0t, Rear CWT 230t, Carbody CWT 80t								
Radius(m)	135	141	147	153	159	165	171	Radius(m)
16	205	198						16
17	192	186	182	175				17
18	181	175	171	165	161	155		18
19	171	165	161	156	152	146	141	19
20	161	156	152	147	143	138	133	20
22	145	140	137	132	128	124	119	22
24	130	125	123	118	115	111	107	24
26	117	113	111	107	104	100	96.0	26
28	106	102	100	96.7	94.0	90.2	86.3	28
30	96.8	93.0	91.2	87.4	85.0	81.3	77.6	30
32	88.0	84.4	82.7	79.1	76.9	73.4	69.8	32
34	80.1	76.6	75.1	71.7	69.6	66.2	62.8	34
36	72.9	69.6	68.3	64.9	63.0	59.7	56.4	36
38	66.5	63.3	62.0	58.8	56.9	53.7	50.5	38
40	60.6	57.5	56.3	53.2	51.4	48.3	45.2	40
44	50.2	47.3	46.3	43.3	41.7	38.7	35.7	44
48	41.4	38.6	37.7	34.8	33.3	30.5	27.6	48
52	33.8	31.1	30.3	27.5	26.1	23.3	20.6	52
56	27.2	24.5	23.8	21.2	19.8	17.1	14.4	56
60	21.4	18.8	18.2	15.5	14.3	11.6	9.0	60
64	16.2	13.7	13.1	10.6	9.3	6.7	4.1	64
68	11.6	9.1	8.6	6.1	4.9	2.4		68
72	7.5	5.0	4.6	2.1	0.9			72
76	3.7	1.3	0.9					76
80	0.3							80

Unit: t

HDB_9 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HDB_9 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HDB_9 Configuration 2/4

Boom length 135~171m, Superlift Radius 18m, Superlift CWT 200t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	135	141	147	153	159	165	171	Radius(m)
16	275	245						16
17	275	246	222	200*				17
18	275	246	222	200	179*	162*		18
19	275	247	222	201	180*	162*	145*	19
20	276	247	223	201	181	163*	145*	20
22	276	248	224	202	181	162	144	22
24	276	249	224	201	181	161	143	24
26	265	249	224	201	181	160	142	26
28	245	240	224	202	180	160	141	28
30	228	222	219	202	179	159	140	30
32	212	207	204	199	178	158	140	32
34	196	193	190	185	177	157	139	34
36	181	180	178	173	170	156	138	36
38	168	167	166	162	159	155	137	38
40	157	155	155	152	149	145	136	40
44	137	135	135	133	132	128	124	44
48	120	118	118	116	115	113	110	48
52	106	104	104	102	101	99.7	97.8	52
56	94.0	92.2	92.1	90.2	89.5	87.6	85.7	56
60	83.5	81.7	81.6	79.7	79.0	77.1	75.2	60
64	74.3	72.5	72.4	70.6	69.9	68.0	66.0	64
68	66.3	64.4	64.4	62.5	61.8	59.9	58.0	68
72	59.1	57.3	57.2	55.3	54.6	52.7	50.8	72
76	52.7	50.8	50.8	48.9	48.2	46.3	44.4	76
80	46.9	45.0	45.0	43.1	42.4	40.5	38.6	80
84	41.6	39.8	39.7	37.9	37.2	35.3	33.4	84
88	36.8	35.0	35.0	33.1	32.4	30.5	28.6	88
92	32.4	30.7	30.6	28.7	28.1	26.2	24.3	92
96	28.4	26.6	26.6	24.7	24.1	22.2	20.3	96
100	24.7	22.9	22.9	21.1	20.4	18.5	16.6	100
104	21.3	19.5	19.5	17.6	17.0	15.1	13.2	104
108	18.1	16.3	16.3	14.5	13.8	11.9	10.0	108
112	15.1	13.3	13.3	11.5	10.9	9.0	7.1	112
116	12.3	10.5	10.5	8.7	8.1	6.2	4.3	116
120		7.9	7.9	6.1	5.5	3.7	1.8	120
124		5.4	5.5	3.7	3.1	1.2		124
128			3.2	1.4	0.8			128

Unit: t

HDB_9 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HDB_9 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HDB_9 Configuration 3/4

Boom length 135~171m, Superlift Radius 20m, Superlift CWT 300t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	135	141	147	153	159	165	171	Radius(m)
16	275*	245*						16
17	275*	246*	222*	200*				17
18	275*	246*	222*	200*	179*	162*		18
19	275*	247*	222*	201*	180*	162*	145*	19
20	276*	247*	223*	201*	181*	163*	145*	20
22	276	248*	224*	202*	181*	162*	144*	22
24	276	249	224*	201*	181*	161*	143*	24
26	277	249	224	201*	181*	160*	142*	26
28	276	249	224	202	180*	160*	141*	28
30	277	250	225	202	179	159*	140*	30
32	276	249	225	203	178	158	140*	32
34	257	250	225	203	177	157	139*	34
36	239	237	225	203	176	156	138	36
38	223	221	221	203	175	155	137	38
40	208	207	206	202	174	155	136	40
44	183	182	181	180	172	153	134	44
48	163	161	161	159	158	151	133	48
52	145	143	143	141	141	139	131	52
56	130	128	128	126	126	124	122	56
60	117	115	115	113	113	111	109	60
64	106	104	104	102	101	100	98.0	64
68	96.3	94.5	94.4	92.6	91.9	90.0	88.0	68
72	87.5	85.7	85.6	83.7	83.0	81.1	79.2	72
76	79.5	77.7	77.6	75.8	75.1	73.2	71.2	76
80	72.4	70.6	70.5	68.6	67.9	66.0	64.1	80
84	65.9	64.1	64.0	62.1	61.5	59.6	57.6	84
88	60.0	58.2	58.1	56.3	55.6	53.7	51.8	88
92	54.6	52.8	52.7	50.9	50.2	48.3	46.4	92
96	49.6	47.8	47.8	46.0	45.3	43.4	41.5	96
100	45.1	43.3	43.2	41.4	40.7	38.8	36.9	100
104	40.8	39.1	39.0	37.2	36.5	34.7	32.7	104
108	36.9	35.1	35.1	33.3	32.6	30.8	28.9	108
112	33.2	31.5	31.5	29.7	29.0	27.1	25.2	112
116	29.8	28.1	28.1	26.3	25.6	23.8	21.9	116
120		24.8	24.9	23.1	22.5	20.6	18.7	120
124		21.8	21.9	20.1	19.5	17.6	15.7	124
128			19.0	17.3	16.7	14.8	13.0	128
132				14.6	14.0	12.2	10.3	132
136					11.5	9.7	7.8	136
140					9.1	7.3	5.5	140
144						5.1	3.3	144
148							1.1	148

Unit: t

HDB_9 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HDB_9 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HDB_9 Configuration 4/4

Boom length 135~171m, Superlift Radius 22m, Superlift CWT 440t, Rear CWT 230t, Carbody CWT 80t

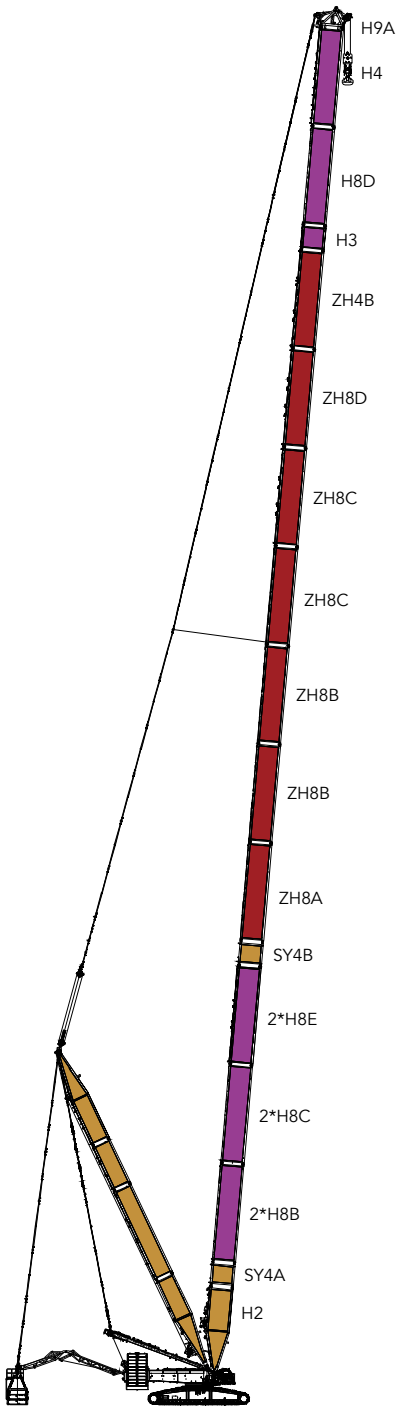
Radius(m)	135	141	147	153	159	165	171	Radius(m)
16	275*	245*						16
17	275*	246*	222*	200*				17
18	275*	246*	222*	200*	179*	162*		18
19	275*	247*	222*	201*	180*	162*	145*	19
20	276*	247*	223*	201*	181*	163*	145*	20
22	276*	248*	224*	202*	181*	162*	144*	22
24	276*	249*	224*	201*	181*	161*	143*	24
26	277*	249*	224*	201*	181*	160*	142*	26
28	276*	249*	224*	202*	180*	160*	141*	28
30	277*	250*	225*	202*	179*	159*	140*	30
32	276*	249*	225*	203*	178*	158*	140*	32
34	277	250*	225*	203*	177*	157*	139*	34
36	278	250	225*	203*	176*	156*	138*	36
38	277	250	225*	203*	175*	155*	137*	38
40	277	250	226	202*	174*	155*	136*	40
44	255	249	226	200	172*	153*	134*	44
48	228	226	224	198	171	151*	133*	48
52	205	204	204	196	169	149	131*	52
56	186	184	184	182	167	147	129	56
60	169	168	167	166	165	145	128	60
64	155	153	153	151	150	143	126	64
68	142	140	140	138	137	135	124	68
72	130	129	128	127	126	124	122	72
76	120	118	118	116	116	114	112	76
80	111	109	109	107	106	104	103	80
84	102	101	101	99.2	98.5	96.6	94.7	84
88	95.3	93.5	93.5	91.6	90.9	89.0	87.1	88
92	88.4	86.6	86.5	84.7	84.0	82.1	80.2	92
96	82.0	80.2	80.2	78.3	77.6	75.7	73.8	96
100	76.1	74.3	74.3	72.4	71.8	69.9	68.0	100
104	70.7	68.9	68.9	67.0	66.4	64.5	62.6	104
108	65.6	63.9	63.8	62.0	61.4	59.5	57.6	108
112	60.9	59.2	59.2	57.3	56.7	54.8	52.9	112
116	56.5	54.8	54.8	53.0	52.3	50.5	48.6	116
120		50.7	50.7	48.9	48.3	46.4	44.5	120
124		46.8	46.8	45.1	44.5	42.6	40.7	124
128			43.2	41.5	40.9	39.0	37.1	128
132				38.1	37.5	35.6	33.8	132
136					34.3	32.5	30.6	136
140					31.2	29.4	27.6	140
144						26.6	24.7	144
148							22.0	148

HDB_SY3 Configuration

Boom combination in HDB_SY3

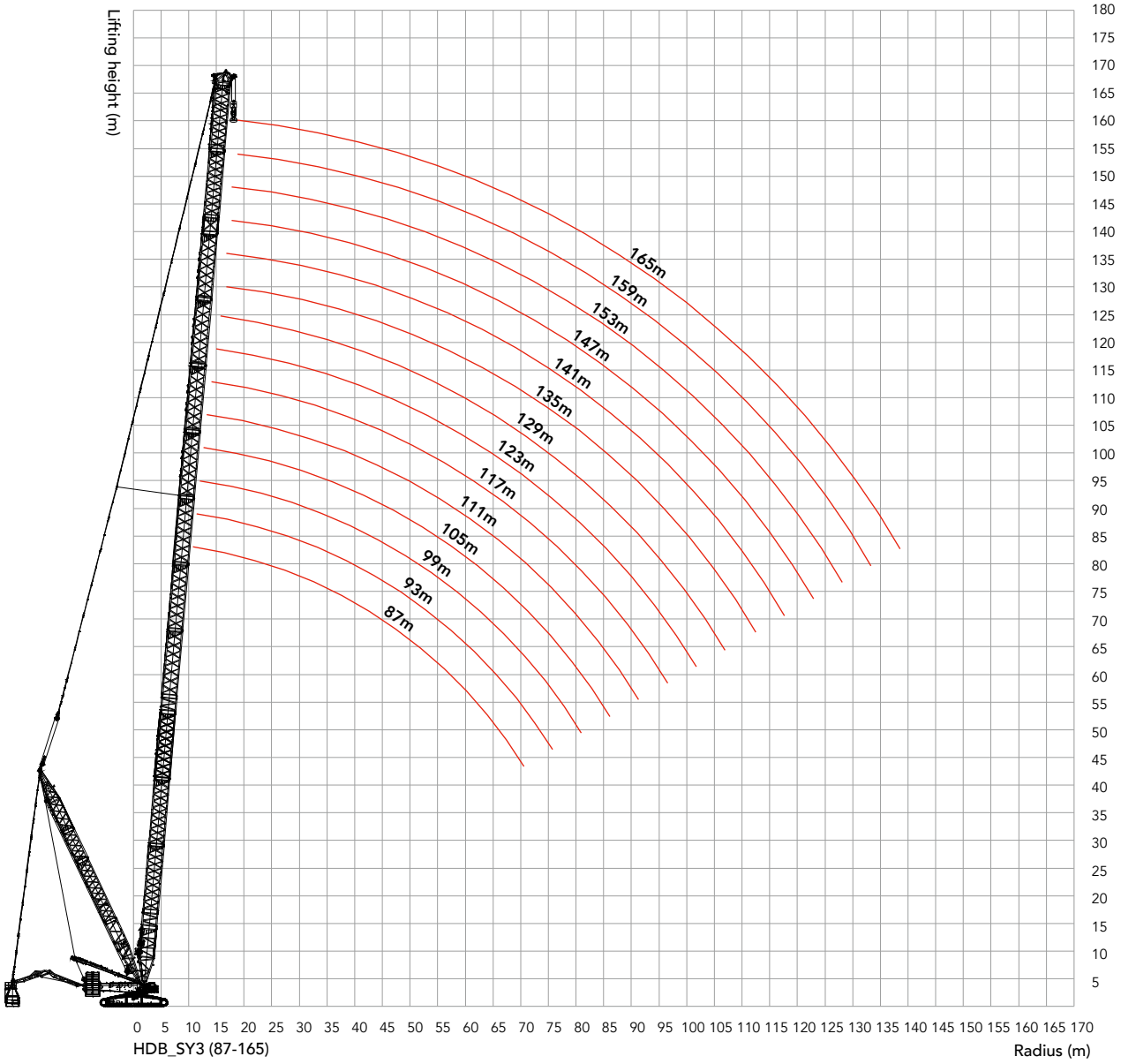
Boom length (m)	Power boom				Boom insert					
	12mA	12mB	12mC	12mD	3m	6m	12mB	12mC	12mE	12mD
87	-	-	-	-	1	1	2	2	2	-
93	1	-	-	-	1	-	2	2	2	-
99	1	-	-	-	1	1	2	2	2	-
105	1	-	1	-	1	-	2	2	2	-
111	1	-	1	-	1	1	2	2	2	-
117	1	-	2	-	1	-	2	2	2	-
123	1	-	2	-	1	6	2	2	2	-
129	1	-	2	1	1	-	2	2	2	-
135	1	-	2	1	1	1	2	2	2	-
141	1	1	2	1	1	-	2	2	2	-
147	1	1	2	1	1	1	2	2	2	-
153	1	2	2	1	1	-	2	2	2	-
159	1	2	2	1	1	1	2	2	2	-
165	1	2	2	1	1	-	2	2	2	1

Note: The 10.5 m boom base, 12 m boom transition section , 1.5m boom top，3m super power boom lower transition section, 3m super power boom upper transition section，800t pulley block and 12m power boom upper transition section are must.
The mid-point suspension cable must be used for the boom length of 129m-165m in this working condition, otherwise, the boom system may be broken.



HDB_SY3
(87-165)

HDB_SY3 Working Radius



Unit: t

HDB_SY3 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HDB_SY3 configurations.

SCC9000A Crawler Crane — HDB_SY3 Configuration 1/3

Boom length 87~165m, Superlift Radius 16m, Superlift CWT 0t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	87	93	99	105	111	117	123	129	135	141	147	153	159	165	Radius(m)
12	337	335													12
13	303	300	299	294											13
14	274	271	270	268	264	254									14
15	249	246	245	244	243	237	229	220							15
16	228	225	224	222	221	219	215	206	199	193					16
17	210	207	206	204	203	200	200	193	187	181	175	168			17
18	194	190	189	187	186	184	183	180	175	170	165	157	152	148	18
19	180	176	175	173	172	170	169	165	164	160	155	148	143	139	19
20	167	163	162	160	159	157	156	152	151	150	146	139	134	131	20
22	145	142	141	139	137	135	134	130	129	128	127	123	119	116	22
24	128	124	123	121	119	117	116	112	111	110	108	105	103	103	24
26	113	109	108	106	104	102	101	97.5	96.0	95.1	93.5	89.9	88.3	88.6	26
28	101	97.1	95.9	93.5	92.2	89.6	88.3	84.7	83.2	82.2	80.6	76.9	75.3	75.5	28
30	90.3	86.3	85.1	82.7	81.3	78.7	77.3	73.7	72.1	71.1	69.5	65.8	64.1	64.4	30
32	80.9	77.0	75.7	73.3	71.8	69.2	67.8	64.1	62.5	61.5	59.8	56.1	54.4	54.7	32
34	81.7	68.8	67.5	65.0	63.5	60.9	59.5	55.7	54.2	53.1	51.4	47.7	45.9	46.2	34
36	73.8	69.9	60.2	57.7	56.2	53.5	52.1	48.3	46.7	45.7	44.0	40.2	38.4	38.6	36
38	66.8	62.9	61.6	51.2	49.7	47.0	45.6	41.8	40.1	39.1	37.3	33.5	31.8	32.0	38
40	60.6	56.6	55.3	52.9	43.9	41.1	39.7	35.9	34.2	33.2	31.4	27.6	25.8	26.0	40
44	49.8	45.8	44.5	42.0	40.6	37.9	29.6	25.7	24.1	23.0	21.2	17.3	15.5	15.7	44
48	46.6	36.8	35.5	33.0	31.6	28.9	27.4	23.6	15.7	14.5	12.7	8.9	7.0	7.2	48
52	38.4	34.5	28.0	25.4	24.0	21.3	19.7	15.9	14.3	13.2	5.6	1.7			52
56	31.5	27.5	26.3	23.9	17.5	14.8	13.2	9.4	7.7	6.6	4.8	0.9			56
60	25.4	21.4	20.2	17.8	16.4	9.1	7.6	3.7	2.0	1.0					60
64	20.1	16.1	14.9	12.5	11.1	8.5	2.6								64
68	15.3	11.4	10.2	7.8	6.4	3.8	2.2								68
72	11.1	7.2	6.0	3.6	2.2										72
76	7.2	3.3	2.2												76

Unit: t

HDB_SY3 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HDB_SY3 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HDB_SY3 Configuration 2/3

Boom length 87~165m, Superlift Radius 18m, Superlift CWT 250t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	87	93	99	105	111	117	123	129	135	141	147	153	159	165	Radius(m)
12	432*	402*													12
13	432	402*	372*	342*											13
14	432	402	372	342*	342*	311*									14
15	432	402	372	342	342	311*	311*	281*							15
16	432	402	372	342	342	311	311	281*	281*	250*					16
17	432	402	372	342	342	311	311	281	281	250*	250*	220*			17
18	432	402	372	342	342	311	311	281	281	250*	250*	220*	215*	195*	18
19	432	402	372	372	342	311	311	281	281	250	250	220*	215*	195*	19
20	432	402	372	372	342	311	311	281	281	250	250	220	215	195*	20
22	388	385	372	372	342	311	311	281	281	250	250	220	216	195	22
24	350	347	346	344	342	311	311	281	281	250	250	220	216	196	24
26	318	315	314	312	310	308	307	281	281	250	250	220	217	195	26
28	291	288	287	284	283	281	279	276	274	250	250	239	216	197	28
30	268	264	263	261	259	257	256	252	250	249	244	236	217	197	30
32	247	243	242	239	238	235	234	231	229	228	226	220	215	196	32
34	229	224	223	221	219	217	215	212	210	209	208	204	200	194	34
36	214	210	207	204	203	200	199	195	194	193	191	187	186	185	36
38	199	196	195	190	188	185	184	180	179	178	176	172	171	171	38
40	187	183	182	180	175	172	171	167	166	165	163	159	157	158	40
44	165	161	160	158	156	154	148	144	143	142	140	136	135	135	44
48	147	143	142	140	138	136	134	131	124	123	121	117	116	116	48
52	131	128	126	124	123	120	119	115	114	113	105	102	100	100	52
56	118	114	113	111	110	107	105	102	100	99.4	97.6	93.8	86.7	86.8	56
60	107	103	102	100	98.7	95.3	93.8	90.0	88.4	87.3	85.5	81.7	79.9	80.1	60
64	97.0	93.4	92.2	90.0	88.7	86.3	83.3	79.4	77.8	76.8	75.0	71.1	69.3	69.5	64
68	88.1	84.5	83.4	81.2	79.9	77.5	76.0	72.6	68.5	67.5	65.7	61.8	60.0	60.2	68
72	80.2	76.7	75.6	73.3	72.0	69.6	68.2	64.7	63.3	59.2	57.5	53.6	51.7	51.9	72
76	73.1	69.6	68.5	66.3	65.0	62.6	61.2	57.7	56.3	55.3	50.1	46.2	44.4	44.6	76
80		63.2	62.1	59.9	58.7	56.3	54.9	51.1	49.6	48.6	46.8	43.0	37.7	37.9	80
84			56.3	54.0	52.7	50.2	48.7	44.9	43.4	42.4	40.6	36.7	35.0	31.9	84
88			50.5	48.3	47.0	44.5	43.0	39.3	37.7	36.7	35.0	31.1	29.3	29.5	88
92				43.0	41.8	39.3	37.8	34.1	32.5	31.5	29.8	25.9	24.2	24.4	92
96					37.0	34.5	33.1	29.3	27.8	26.8	25.1	21.2	19.4	19.7	96
100						30.1	28.7	24.9	23.4	22.4	20.7	16.8	15.1	15.3	100
104						21.5	24.6	20.8	19.3	18.4	16.7	12.8	11.0	11.3	104
108							20.7	17.0	15.5	14.6	12.9	9.1	7.3	7.6	108
112								13.5	12.0	11.1	9.4	5.6	3.8	4.1	112
116									8.7	7.8	6.1	2.3	0.6	0.8	116
120										4.7	3.1				120
124										1.8					124

Unit: t

HDB_SY3 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HDB_SY3 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HDB_SY3 Configuration 3/3

Boom length 87~165m, Superlift Radius 22m, Superlift CWT 200t, Rear CWT 230t, Carbody CWT 80t

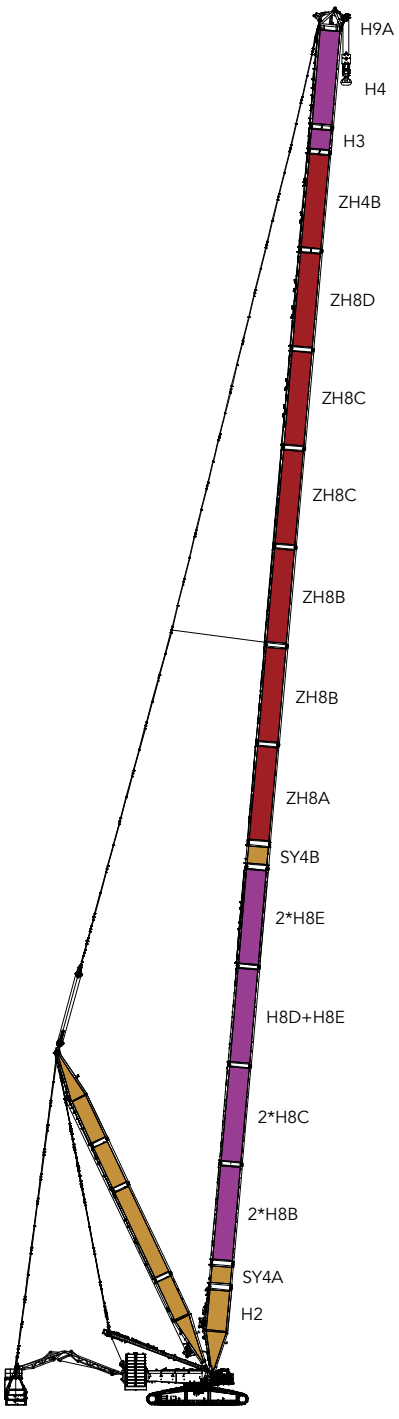
Radius(m)	87	93	99	105	111	117	123	129	135	141	147	153	159	165	Radius(m)
12	432*	402*													12
13	432	402	372*	342*											13
14	432	402	372	342*	342*	311*									14
15	432	402	372	342	342	311*	311*	281*							15
16	432	402	372	342	342	311	311	281*	281*	250*					16
17	432	402	372	342	342	311	311	281	281	250*	250*	220*			17
18	432	402	372	342	342	311	311	281	281	250	250	220*	215*	195*	18
19	432	402	372	372	342	311	311	281	281	250	250	220*	215*	195*	19
20	428	402	372	372	342	311	311	281	281	250	250	220	215	195*	20
22	383	380	372	372	342	311	311	281	281	250	250	220	216	195	22
24	345	342	341	339	338	311	311	281	281	250	250	220	216	196	24
26	314	310	309	307	306	303	301	281	281	250	250	220	217	195	26
28	286	282	281	279	277	275	274	270	264	250	250	239	216	197	28
30	262	258	257	255	253	251	250	246	244	240	235	228	217	197	30
32	241	237	236	234	232	230	229	225	223	222	218	212	207	196	32
34	226	219	218	215	214	211	210	206	205	204	202	197	192	190	34
36	210	207	202	199	198	195	194	190	189	188	186	182	180	177	36
38	196	193	192	185	183	181	179	176	174	173	171	168	166	166	38
40	184	180	179	177	171	168	166	163	161	160	158	155	153	153	40
44	162	159	157	155	154	151	144	140	139	138	136	132	131	131	44
48	144	141	139	137	136	133	132	128	120	119	118	114	112	112	48
52	129	125	124	122	120	117	116	112	111	110	102	98.6	96.8	97.0	52
56	116	112	111	109	106	104	102	98.9	97.3	96.3	94.5	90.7	83.5	83.7	56
60	105	101	100	98.2	96.8	92.4	90.9	87.1	85.5	84.4	82.6	78.8	77.0	77.2	60
64	95.2	91.7	90.5	88.3	87.0	84.5	80.6	76.7	75.1	74.1	72.3	68.4	66.6	66.8	64
68	86.5	82.9	81.8	79.6	78.3	75.8	74.4	71.0	66.0	64.9	63.2	59.3	57.5	57.6	68
72	78.7	75.1	74.0	71.8	70.5	68.1	66.7	63.2	61.7	56.8	55.1	51.2	49.3	49.5	72
76	71.7	68.1	67.1	64.8	63.6	61.0	59.5	55.8	54.2	53.2	47.8	43.9	42.1	42.3	76
80		61.5	60.5	58.1	56.8	54.3	52.8	49.0	47.4	46.4	44.7	40.8	35.6	35.8	80
84			54.3	52.0	50.7	48.2	46.7	42.9	41.3	40.3	38.6	34.7	32.9	29.9	84
88			48.6	46.3	45.1	42.6	41.1	37.3	35.8	34.8	33.0	29.1	27.4	27.6	88
92				41.2	39.9	37.4	36.0	32.2	30.7	29.7	27.9	24.1	22.3	22.5	92
96					35.2	32.7	31.3	27.5	26.0	25.0	23.3	19.4	17.7	17.9	96
100						28.3	26.9	23.2	21.7	20.7	19.0	15.1	13.4	13.6	100
104						21.5	22.9	19.2	17.7	16.7	15.0	11.2	9.4	9.6	104
108							19.1	15.5	14.0	13.0	11.3	7.5	5.7	6.0	108
112								12.0	10.5	9.6	7.9	4.0	2.3	2.6	112
116									7.2	6.3	4.7	0.8			116
120										3.3	1.6				120
124										0.4					124

HDB_SY4 Configuration

Boom combination in HDB_SY4

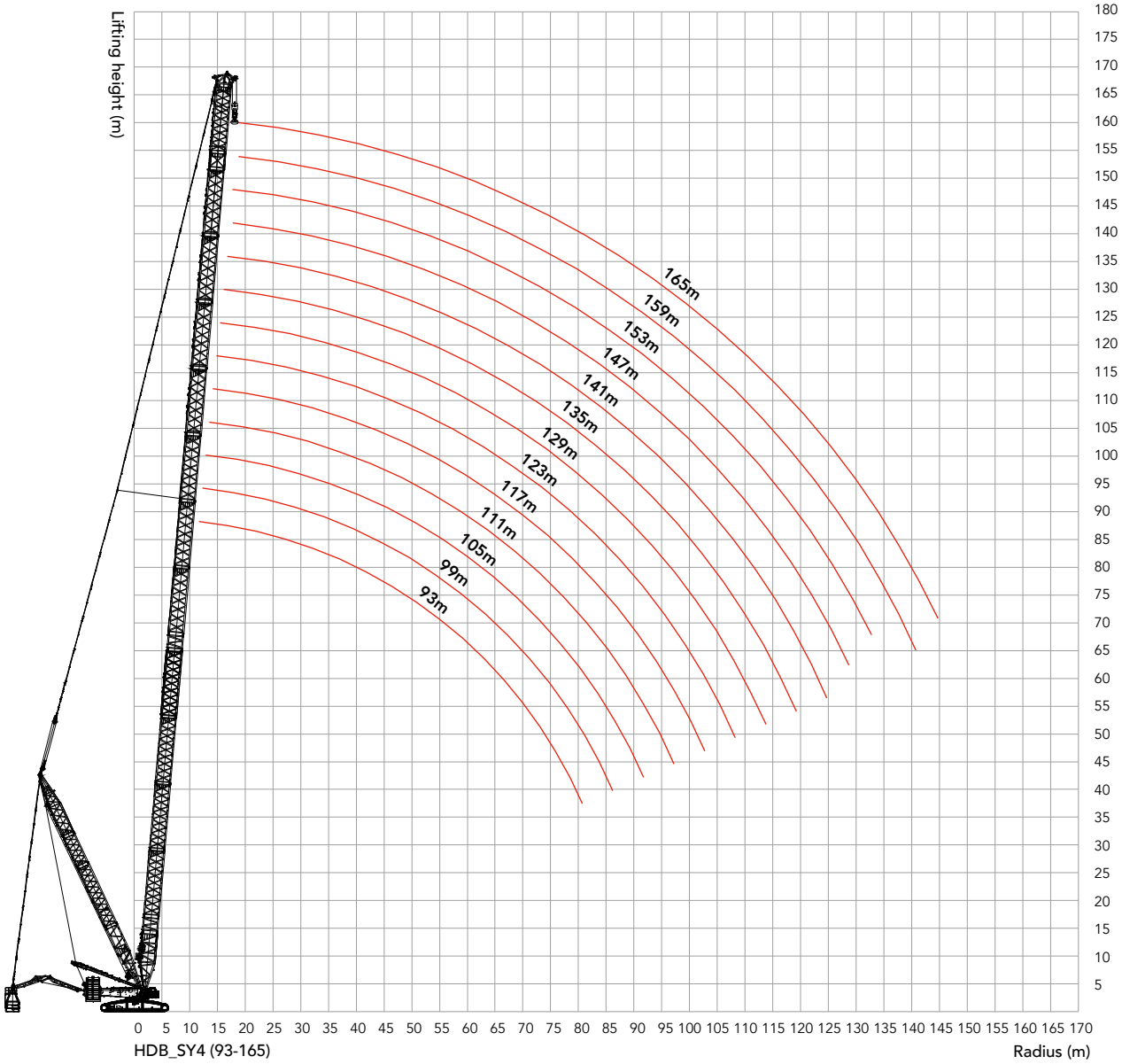
Boom length (m)	Power boom				Boom insert					
	12mA	12mB	12mC	12mD	3m	6m	12mB	12mC	12mD	12mE
93	-	-	-	-	1	-	2	2	1	3
99	-	-	-	-	1	1	2	2	1	3
105	1	-	-	-	1	-	2	2	1	3
111	1	-	-	-	1	1	2	2	1	3
117	1	-	1	-	1	-	2	2	1	3
123	1	-	1	-	1	1	2	2	1	3
129	1	-	2	-	1	-	2	2	1	3
135	1	-	2	-	1	1	2	2	1	3
141	1	-	2	1	1	-	2	2	1	3
147	1	-	2	1	1	1	2	2	1	3
153	1	1	2	1	1	-	2	2	1	3
159	1	1	2	1	1	1	2	2	1	3
165	1	2	2	1	1	-	2	2	1	3

Note: The 10.5 m boom base, 12 m boom transition section ,Boom connecting tip,3m super power boom lower transition section,3m super power boom upper transition section ,12m power boom upper transition section and 800t pulley block are must.
The mid-point suspension cable must be used for the boom length of 141m-165m in this working condition, otherwise, the boom system may be broken.



HDB_SY4
(93-165)

HDB_SY4 Working Radius



Unit: t

HDB_SY4 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HDB_SY4 configurations.

SCC9000A Crawler Crane — HDB_SY4 Configuration 1/4

Boom length 93~165m, Superlift Radius 16m, Superlift CWT 0t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	93	99	105	111	117	123	129	135	141	147	153	159	165	Radius(m)
12	335													12
13	300	299	292											13
14	271	270	267	262	253									14
15	246	245	242	241	236	228	220							15
16	225	224	221	220	218	213	205	199	193					16
17	207	206	202	201	199	198	193	186	181	175	167			17
18	190	190	186	185	183	182	179	175	170	164	157	151	144	18
19	176	175	171	170	168	167	165	164	160	154	147	142	135	19
20	164	162	159	158	155	154	152	151	150	145	139	134	127	20
22	142	141	137	136	133	132	130	128	128	126	123	119	112	22
24	124	123	119	118	115	114	112	110	109	108	104	103	99.6	24
26	109	108	104	103	100	99.6	97.1	95.6	94.7	93.1	89.5	87.9	84.2	26
28	97.2	96.0	91.8	90.6	88.1	86.9	84.2	82.7	81.8	80.2	76.5	74.9	71.2	28
30	86.4	85.2	81.0	79.7	77.1	75.9	73.2	71.7	70.7	69.1	65.4	63.7	60.0	30
32	77.0	75.8	71.5	70.2	67.6	66.4	63.7	62.1	61.1	59.5	55.7	54.1	50.3	32
34	68.8	67.5	63.3	61.9	59.3	58.0	55.3	53.7	52.7	51.0	47.3	45.6	41.7	34
36	70.0	60.2	56.0	54.6	52.0	50.6	47.9	46.3	45.3	43.6	39.8	38.1	34.2	36
38	62.9	61.7	49.5	48.1	45.4	44.1	41.3	39.7	38.7	36.9	33.1	31.4	27.5	38
40	56.7	55.4	51.1	42.2	39.6	38.2	35.4	33.8	32.7	31.0	27.2	25.4	21.5	40
44	45.9	44.6	40.3	38.9	36.3	28.1	25.3	23.6	22.6	20.8	16.9	15.2	11.2	44
48	36.9	35.6	31.3	29.9	27.3	25.9	23.1	15.2	14.1	12.3	8.5	6.7	2.7	48
52	34.6	28.0	23.7	22.3	19.7	18.2	15.4	13.8	12.8	5.2	1.3			52
56	27.6	26.4	22.1	15.8	13.2	11.7	8.9	7.3	6.2	4.4	0.6			56
60	21.5	20.3	16.0	14.7	7.5	6.1	3.2	1.6	0.5					60
64	16.2	15.0	10.7	9.4	6.9	1.1								64
68	11.4	10.3	6.0	4.7	2.2	0.7								68
72	7.2	6.1	1.8	0.5										72
76	3.4	2.3												76

Unit: t

HDB_SY4 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HDB_SY4 configurations.

SCC9000A Crawler Crane — HDB_SY4 Configuration 2/4

Boom length 93~165m, Superlift Radius 18m, Superlift CWT 200t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	93	99	105	111	117	123	129	135	141	147	153	159	165	Radius(m)
12	402													12
13	402	372	342											13
14	402	372	342	342	311									14
15	402	372	342	342	311	311	281							15
16	402	372	342	342	311	311	281	281	250					16
17	402	372	342	342	311	311	281	281	250	250	220			17
18	402	372	342	342	311	311	281	281	250	250	220	220	210	18
19	402	372	372	342	311	311	281	281	250	250	220	220	210	19
20	386	372	372	342	311	311	281	281	250	250	220	220	210	20
22	343	342	338	337	311	311	281	281	250	250	220	220	210	22
24	307	306	302	301	298	296	281	281	250	250	220	220	211	24
26	277	276	272	271	268	267	265	259	250	248	220	220	211	26
28	251	250	246	245	243	241	239	237	234	228	221	216	209	28
30	230	228	224	223	221	219	217	215	214	211	204	200	193	30
32	211	209	205	204	202	200	198	196	195	194	190	185	178	32
34	194	193	189	187	185	184	181	179	178	177	173	171	165	34
36	188	178	174	173	170	169	166	165	164	162	158	157	153	36
38	174	173	161	160	157	156	153	151	150	149	145	143	139	38
40	162	161	157	148	145	144	141	140	139	137	133	131	128	40
44	141	140	136	134	132	124	121	119	118	117	113	111	107	44
48	124	123	118	117	114	113	110	103	101	100	96.3	94.6	90.6	48
52	113	108	104	102	100	98.9	96.1	94.5	93.5	86.0	82.1	80.4	76.4	52
56	101	99.8	96.0	90.4	87.8	86.4	83.6	82.0	81.0	79.2	75.4	68.3	64.3	56
60	90.5	89.3	85.4	84.1	77.0	75.6	72.8	71.2	70.1	68.4	64.5	62.7	58.8	60
64	80.9	79.8	75.6	74.3	71.8	66.1	63.3	61.7	60.7	58.9	55.0	53.2	49.3	64
68	72.3	71.1	66.9	65.7	63.2	61.8	59.0	53.4	52.3	50.6	46.7	44.9	40.9	68
72	64.6	63.4	59.2	58.0	55.5	54.1	51.3	49.8	44.9	43.2	39.3	37.5	33.5	72
76	57.6	56.5	52.3	51.1	48.6	47.2	44.4	42.9	41.9	36.6	32.7	30.9	26.8	76
80	51.3	50.3	46.1	44.9	42.4	41.0	38.2	36.7	35.7	34.0	30.1	24.9	20.9	80
84		44.6	40.4	39.2	36.8	35.4	32.6	31.1	30.1	28.4	24.5	22.7	15.5	84
88		39.4	35.3	34.1	31.6	30.2	27.5	26.0	25.0	23.3	19.4	17.7	13.7	88
92			30.5	29.4	26.9	25.6	22.8	21.3	20.3	18.6	14.8	13.0	9.0	92
96				25.0	22.6	21.2	18.5	17.0	16.1	14.3	10.5	8.7	4.7	96
100					18.6	17.2	14.6	13.1	12.1	10.4	6.5	4.8	0.8	100
104					3.0	13.5	10.9	9.4	8.4	6.7	2.9	1.2		104
108						10.1	7.4	6.0	5.0	3.4				108
112							4.2	2.8	1.9					112

Unit: t

HDB_SY4 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HDB_SY4 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HDB_SY4 Configuration 3/4

Boom length 93~165m, Superlift Radius 20m, Superlift CWT 300t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	93	99	105	111	117	123	129	135	141	147	153	159	165	Radius(m)
12	402*													12
13	402*	372*	342*											13
14	402*	372*	342*	342*	311*									14
15	402*	372*	342*	342*	311*	311*	281*							15
16	402*	372*	342*	342*	311*	311*	281*	281*	250*					16
17	402	372*	342*	342*	311*	311*	281*	281*	250*	250*	220*			17
18	402	372	342*	342*	311*	311*	281*	281*	250*	250*	220*	220*	210*	18
19	402	372	372	342	311*	311*	281*	281*	250*	250*	220*	220*	210*	19
20	402	372	372	342	311	311	281*	281*	250*	250*	220*	220*	210*	20
22	402	372	372	342	311	311	281	281	250*	250*	220*	220*	210*	22
24	401	372	372	342	311	311	281	281	250	250	220*	220*	211*	24
26	365	364	360	342	311	311	281	281	250	250	220	220	211	26
28	334	333	329	328	311	311	281	281	250	250	250	220	212	28
30	308	306	303	301	299	298	281	281	250	250	250	220	212	30
32	284	283	279	278	276	275	272	271	250	250	250	220	213	32
34	264	263	259	258	255	254	252	250	249	248	244	220	213	34
36	246	245	241	240	237	236	234	232	231	230	226	220	213	36
38	230	229	225	224	221	220	217	216	215	213	210	208	205	38
40	215	214	210	209	207	205	203	201	200	199	195	194	190	40
44	190	189	185	184	182	180	178	176	175	174	170	169	165	44
48	170	168	165	163	161	160	157	156	155	153	150	148	145	48
52	152	151	147	146	144	142	140	138	137	136	132	131	127	52
56	137	136	132	131	129	127	125	123	122	121	117	115	111	56
60	124	123	119	118	116	114	112	110	109	108	104	103	99.4	60
64	113	112	108	107	104	103	100	99.4	98.4	96.8	93.3	91.7	88.1	64
68	103	102	98.3	97.1	94.7	93.4	90.8	89.4	88.4	86.8	83.3	81.7	78.1	68
72	94.3	93.2	89.4	88.2	85.8	84.5	82.0	80.5	79.5	77.9	74.4	72.8	69.2	72
76	86.3	85.2	81.4	80.2	77.9	76.5	74.0	72.6	71.6	70.0	66.5	64.9	61.2	76
80	79.1	78.0	74.2	73.0	70.7	69.4	66.8	65.4	64.4	62.8	59.4	57.5	53.5	80
84		71.5	67.7	66.5	64.2	62.9	60.4	58.9	58.0	56.4	52.9	51.3	46.5	84
88		65.5	61.7	60.6	58.3	56.9	54.5	53.0	52.1	50.5	47.0	45.4	41.8	88
92			56.2	55.1	52.8	51.5	49.0	47.6	46.7	45.1	41.6	40.0	36.4	92
96				50.1	47.8	46.5	44.1	42.7	41.7	40.2	36.7	35.1	31.5	96
100					25.2	41.9	39.5	38.1	37.2	35.6	32.1	30.5	26.7	100
104					3.0	37.7	35.2	33.9	32.9	31.4	27.8	26.0	22.1	104
108						25.0	31.3	29.9	28.9	27.3	23.4	21.7	17.7	108
112							27.2	25.8	24.9	23.2	19.4	17.7	13.7	112
116								22.0	21.1	19.5	15.6	13.9	10.0	116
120									17.5	15.9	12.1	10.4	6.5	120
124									14.2	12.6	8.8	7.1	3.2	124
128										9.4	5.7	4.0		128
132											2.7	1.1		132

Unit: t

HDB_SY4 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HDB_SY4 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HDB_SY4 Configuration 4/4

Boom length 93~165m, Superlift Radius 22m, Superlift CWT 440t, Rear CWT 230t, Carbody CWT 80t

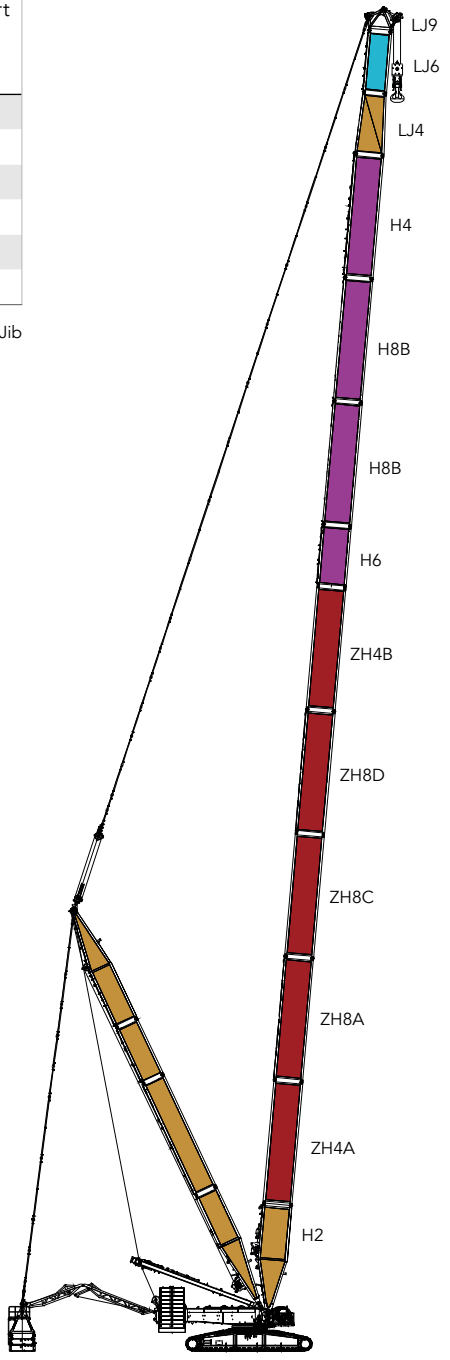
Radius(m)	93	99	105	111	117	123	129	135	141	147	153	159	165	Radius(m)
12	402*													12
13	402*	372*	342*											13
14	402*	372*	342*	342*	311*									14
15	402*	372*	342*	342*	311*	311*	281*							15
16	402*	372*	342*	342*	311*	311*	281*	281*	250*					16
17	402*	372*	342*	342*	311*	311*	281*	281*	250*	250*	220*			17
18	402*	372*	342*	342*	311*	311*	281*	281*	250*	250*	220*	220*	210*	18
19	402*	372*	372*	342*	311*	311*	281*	281*	250*	250*	220*	220*	210*	19
20	402*	372*	372*	342*	311*	311*	281*	281*	250*	250*	220*	220*	210*	20
22	402*	372*	372*	342*	311*	311*	281*	281*	250*	250*	220*	220*	210*	22
24	402*	372*	372*	342*	311*	311*	281*	281*	250*	250*	220*	220*	211*	24
26	402	372*	372*	342*	311*	311*	281*	281*	250*	250*	220*	220*	211*	26
28	432	402	372	342*	311*	311*	281*	281*	250*	250*	250*	220*	212*	28
30	414	402	372	342	311*	311*	281*	281*	250*	250*	250*	220*	212*	30
32	384	383	372	342	311	311	281*	281*	250*	250*	250*	220*	213*	32
34	357	356	352	342	311	311	281	281	250*	250*	250*	220*	213*	34
36	334	333	329	328	325	311	281	281	250	250	250	220*	213*	36
38	313	312	308	307	304	303	281	281	250	250	250	220	211*	38
40	294	293	289	288	286	284	281	280	250	250	250	220	211	40
44	262	261	257	256	253	252	249	248	247	245	242	220	211	44
48	235	234	230	229	226	225	223	221	220	219	215	214	209	48
52	212	211	207	206	204	202	200	198	198	196	192	191	187	52
56	193	192	188	187	184	183	181	179	178	177	173	171	168	56
60	176	175	171	170	168	166	164	162	161	160	156	155	151	60
64	162	161	157	155	153	152	149	148	147	145	142	140	136	64
68	149	148	144	143	140	139	136	135	134	132	129	127	124	68
72	137	136	132	131	129	127	125	123	122	121	117	116	112	72
76	127	126	122	121	118	117	115	113	112	111	107	105	102	76
80	118	116	113	111	109	108	105	104	103	101	98.3	96.7	93.1	80
84		108	104	103	101	99.9	97.4	96.0	95.0	93.4	89.9	88.3	84.7	84
88		100	97.0	95.9	93.6	92.3	89.8	88.3	87.4	85.8	82.3	80.7	77.1	88
92			90.0	88.9	73.4	85.3	82.8	81.4	80.5	78.9	75.4	73.8	70.2	92
96				82.4	51.8	78.9	76.4	75.0	74.1	72.5	69.0	67.4	63.8	96
100					25.2*	61.2	70.5	69.1	68.2	66.6	63.2	61.6	58.0	100
104					3.0*	41.3	65.1	63.7	62.8	61.2	57.8	56.2	52.6	104
108						25.0*	60.0	58.6	57.7	56.2	52.7	51.2	47.6	108
112							55.3	53.9	53.1	51.5	48.1	46.5	42.9	112
116								49.5	48.7	47.1	43.7	42.1	38.6	116
120									44.6	43.1	39.6	38.1	34.5	120
124									40.7	39.2	35.8	34.2	30.7	124
128										35.6	32.2	30.6	27.1	128
132											28.8	27.3	23.7	132
136												24.0	20.5	136
140												21.0	17.5	140
144													14.6	144

HJDB_5 Configuration

Boom combination in HJDB_5

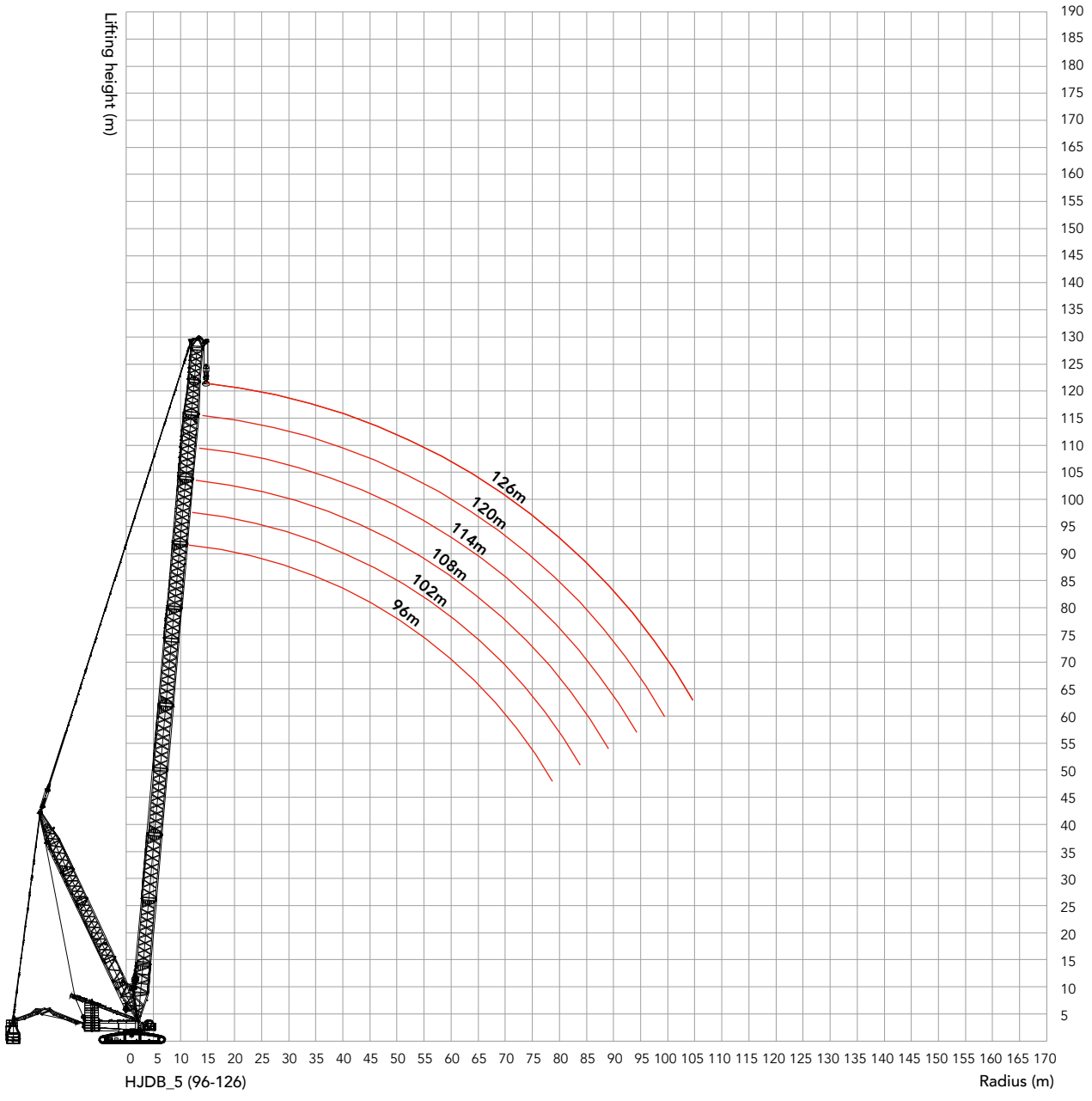
Boom length (m)	Power boom					Boom insert			Jib insert
	12m lower transition section	12mA	12mC	12mD	12m upper transition section	6m	12mB	12mC	6m
96	1	1	1	1	1	-	-	-	1
102	1	1	1	1	1	1	-	-	1
108	1	1	1	1	1	-	1	-	1
114	1	1	1	1	1	1	1	-	1
120	1	1	1	1	1	-	2	-	1
126	1	1	1	1	1	1	2	-	1

Note: The 10.5 m boom base, 12 m boom transition section ,500t pulley block 6m jib tapered insert and Jib connecting tip are must.



HJDB_5
(96-126)

HJDB_5 Working Radius



Unit: t

HJDB_5 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJDB_5 configurations.

SCC9000A Crawler Crane — HJDB_5 Configuration 1/4							
Boom length 96~126m, Superlift Radius 16m, Superlift CWT 0t, Rear CWT 230t, Carbody CWT 80t							
Radius(m)	96	102	108	114	120	126	Radius(m)
12	346						12
13	311	309	299				13
14	282	281	279	270	261		14
15	258	256	255	252	245	237	15
16	237	235	234	233	230	222	16
17	218	217	216	214	213	210	17
18	202	201	200	198	197	195	18
19	188	187	185	184	183	181	19
20	176	174	173	171	170	168	20
22	154	152	151	149	148	146	22
24	136	135	133	132	130	128	24
26	122	120	119	117	115	114	26
28	109	107	106	104	103	101	28
30	98.9	97.1	95.7	93.7	92.4	90.4	30
32	89.6	87.7	86.3	84.4	83.0	81.0	32
34	81.4	79.5	78.1	76.1	74.7	72.7	34
36	74.2	72.3	70.8	68.9	67.4	65.4	36
38	75.6	65.8	64.4	62.4	60.9	58.9	38
40	69.4	67.6	58.6	56.6	55.1	53.1	40
44	58.7	56.8	55.4	53.4	45.1	43.0	44
48	49.7	47.9	46.4	44.4	43.0	40.9	48
52	47.5	40.3	38.9	36.9	35.4	33.4	52
56	40.6	38.8	32.4	30.5	29.0	26.9	56
60	34.5	32.7	31.4	24.9	23.4	21.3	60
64	29.2	27.4	26.1	24.2	22.7	16.4	64
68	24.6	22.8	21.4	19.5	18.1	16.1	68
72	20.4	18.6	17.3	15.4	13.9	11.9	72
76	16.6	14.9	13.5	11.6	10.2	8.2	76
80	13.2	11.5	10.1	8.3	6.8	4.8	80
84	10.0	8.3	7.1	5.2	3.8	1.8	84
88		5.5	4.2	2.4	1.0		88
92			1.6				92

Unit: t

HJDB_5 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJDB_5 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HJDB_5 Configuration 2/4

Boom length 96~126m, Superlift Radius 18m, Superlift CWT 200t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	96	102	108	114	120	126	Radius(m)
12	402						12
13	402	372	342				13
14	402	372	342	311	294*		14
15	402	372	342	311	295	261*	15
16	402	372	342	311	295	261	16
17	402	372	342	311	295	261	17
18	402	372	342	311	296	261	18
19	402	372	342	311	296	262	19
20	398	372	342	335	296	262	20
22	355	353	342	335	296	262	22
24	319	317	316	314	295	261	24
26	289	287	286	284	283	262	26
28	264	262	261	259	258	256	28
30	242	240	239	237	236	234	30
32	223	221	220	218	217	215	32
34	207	205	203	202	200	198	34
36	192	190	189	187	186	184	36
38	187	177	176	174	172	170	38
40	175	173	164	162	161	159	40
44	154	152	151	149	141	139	44
48	137	135	134	132	130	128	48
52	124	120	119	117	116	114	52
56	112	110	107	105	103	101	56
60	102	100	99.1	94.3	92.8	90.8	60
64	92.9	91.3	90.0	88.2	86.8	81.4	64
68	84.8	83.2	81.9	80.2	78.8	76.9	68
72	77.6	76.0	74.7	72.8	71.4	69.5	72
76	70.8	69.1	67.9	66.0	64.6	62.6	76
80	64.6	62.9	61.7	59.8	58.4	56.5	80
84	58.9	57.3	56.0	54.2	52.8	50.9	84
88		52.1	50.9	49.1	47.7	45.8	88
92			46.2	44.4	43.1	41.1	92
96			41.8	40.1	38.8	36.8	96
100				36.1	34.8	32.9	100
104					31.1	29.2	104
108						25.8	108

Unit: t

HJDB_5 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJDB_5 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HJDB_5 Configuration 3/4							
Boom length 96~126m, Superlift Radius 20m, Superlift CWT 300t, Rear CWT 230t, Carbody CWT 80t							
Radius(m)	96	102	108	114	120	126	Radius(m)
12	402*						12
13	402*	372*	342*				13
14	402*	372*	342*	311*	294*		14
15	402*	372*	342*	311*	295*	261*	15
16	402*	372*	342*	311*	295*	261*	16
17	402*	372*	342*	311*	295*	261*	17
18	402	372*	342*	311*	296*	261*	18
19	402	372	342*	311*	296*	262*	19
20	402	372	342	335	296*	262*	20
22	402	372	342	335	296	262*	22
24	402	372	342	335	295	261	24
26	376	372	342	335	297	262	26
28	345	344	342	337	296	262	28
30	319	317	316	314	296	259	30
32	296	294	293	291	290	257	32
34	275	274	272	271	269	255	34
36	257	256	254	253	251	249	36
38	241	239	238	236	235	233	38
40	227	225	224	222	221	219	40
44	202	200	199	197	196	194	44
48	181	179	178	176	175	173	48
52	164	162	161	159	158	156	52
56	149	147	146	144	143	141	56
60	136	134	133	131	130	128	60
64	124	123	122	120	118	117	64
68	114	113	112	110	108	107	68
72	106	104	103	101	100	98.1	72
76	98.0	96.4	95.2	93.4	92.0	90.2	76
80	90.8	89.2	88.0	86.3	84.9	83.1	80
84	84.3	82.7	81.5	79.8	78.4	76.6	84
88		76.7	75.6	73.9	72.5	70.7	88
92			70.1	68.4	67.1	65.3	92
96			65.1	63.4	62.1	60.4	96
100				58.8	57.5	55.8	100
104					53.3	51.5	104
108						47.6	108

Unit: t

HJDB_5 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJDB_5 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HJDB_5 Configuration 4/4

Boom length 96~126m, Superlift Radius 22m, Superlift CWT 440t, Rear CWT 230t, Carbody CWT 80t

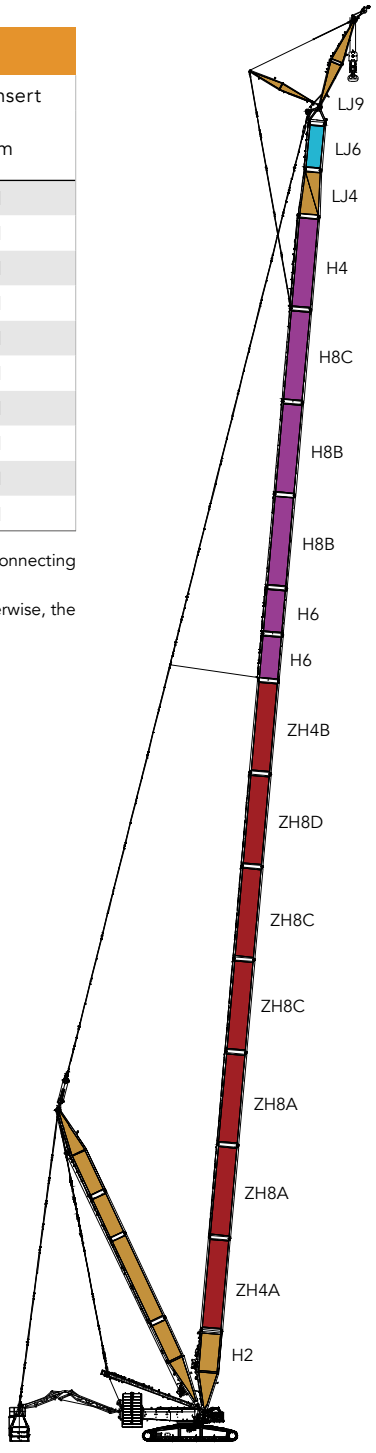
Radius(m)	96	102	108	114	120	126	Radius(m)
12	402*						12
13	402*	372*	342*				13
14	402*	372*	342*	311*	294*		14
15	402*	372*	342*	311*	295*	261*	15
16	402*	372*	342*	311*	295*	261*	16
17	402*	372*	342*	311*	295*	261*	17
18	402*	372*	342*	311*	296*	261*	18
19	402*	372*	342*	311*	296*	262*	19
20	402*	372*	342*	335*	296*	262*	20
22	402*	372*	342*	335*	296*	262*	22
24	402*	372*	342*	335*	295*	261*	24
26	402	372*	342*	335*	297*	262*	26
28	402	372	342*	337*	296*	262*	28
30	402	372	342	336	296*	259*	30
32	395	372	342	335	295*	257*	32
34	369	367	366	335	293	255*	34
36	345	343	342	333	290	253*	36
38	324	323	321	320	288	250	38
40	306	304	303	301	285	248	40
44	273	272	270	269	267	243	44
48	247	245	244	242	240	238	48
52	224	222	221	219	218	216	52
56	205	203	202	200	198	197	56
60	188	186	185	183	182	180	60
64	173	172	170	169	167	165	64
68	160	159	157	156	154	152	68
72	149	147	146	144	143	141	72
76	139	137	136	134	133	131	76
80	129	128	126	125	123	122	80
84	121	119	118	116	115	113	84
88		112	110	109	107	106	88
92			103	102	100	99.1	92
96			97.4	95.8	94.5	92.7	96
100				89.9	88.6	86.8	100
104					83.1	81.4	104
108						76.3	108

HJDB_7 Configuration

Boom combination in HJDB_7

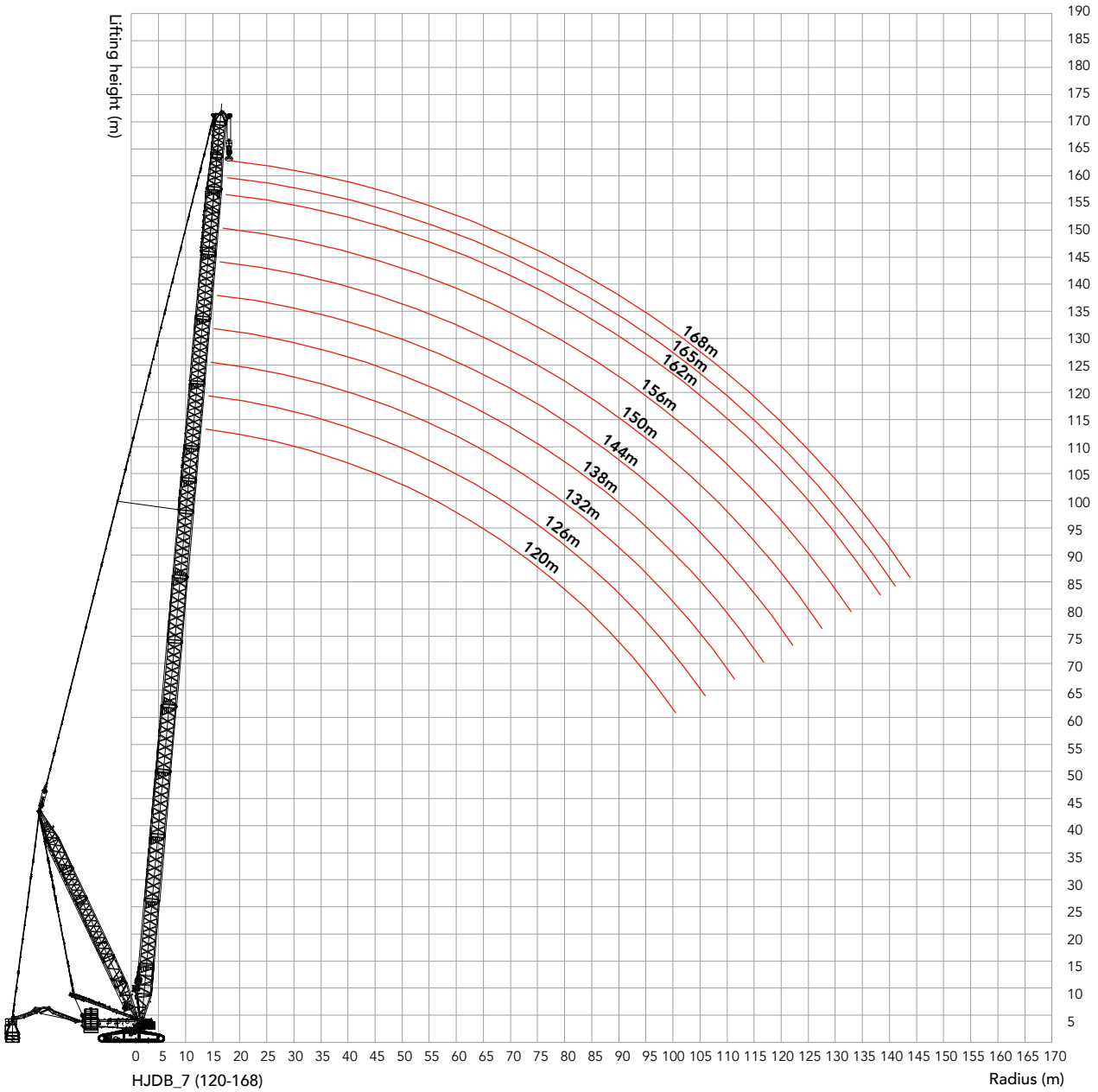
Boom length (m)	Power boom					Boom insert				Jib insert
	12m lower transition section	12mA	12mC	12mD	12m upper transition section	3m	6m	12mB	12mC	6m
120	1	2	2	1	1	-	-	-	-	1
126	1	2	2	1	1	-	1	-	-	1
132	1	2	2	1	1	-	-	1	-	1
138	1	2	2	1	1	-	1	1	-	1
144	1	2	2	1	1	-	-	2	-	1
150	1	2	2	1	1	-	1	2	-	1
156	1	2	2	1	1	-	-	2	1	1
162	1	2	2	1	1	-	1	2	1	1
165	1	2	2	1	1	1	1	2	1	1
168	1	2	2	1	1	-	2	2	1	1

Note: The 10.5 m boom base, 12 m boom transition section ,500t pulley block 6m jib tapered insert and Jib connecting tip are must.
The mid-point suspension cable must be used for the boom length of 144m-165m in this working condition, otherwise, the boom system may be broken.



HJDB_7
(120-168)

HJDB_7 Working Radius



Unit: t

HJDB_7 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJDB_7 configurations.

SCC9000A Crawler Crane — HJDB_7 Configuration 1/4											
Boom length 120~168m, Superlift Radius 16m, Superlift CWT 0t, Rear CWT 230t, Carbody CWT 80t											
Radius(m)	120	126	132	138	144	150	156	162	165	168	Radius(m)
14	259										14
15	242	234	227								15
16	227	220	213	206	200						16
17	210	207	201	194	188	182	170				17
18	194	193	190	183	178	172	167	151	142	134	18
19	180	178	177	173	168	162	158	151	142	134	19
20	167	165	164	162	159	154	150	144	141	133	20
22	145	143	142	140	139	137	134	130	127	125	22
24	127	125	124	122	121	119	118	116	115	113	24
26	112	111	109	107	106	104	103	101	100	99.8	26
28	100	98.3	96.9	95.0	93.5	91.6	90.8	88.8	87.6	86.9	28
30	89.3	87.4	86.0	84.0	82.6	80.6	79.8	77.8	76.6	75.8	30
32	79.8	77.9	76.5	74.5	73.0	71.0	70.2	68.2	67.0	66.2	32
34	71.6	69.6	68.2	66.2	64.7	62.7	61.8	59.8	58.6	57.7	34
36	64.3	62.3	60.9	58.9	57.3	55.3	54.4	52.4	51.1	50.3	36
38	57.7	55.8	54.3	52.3	50.8	48.7	47.8	45.8	44.5	43.7	38
40	51.9	49.9	48.5	46.4	44.9	42.8	41.9	39.9	38.6	37.8	40
44	41.9	39.9	38.4	36.4	34.8	32.7	31.8	29.7	28.4	27.6	44
48	39.8	37.8	30.1	28.0	26.4	24.3	23.4	21.3	20.0	19.2	48
52	32.2	30.2	28.7	26.7	19.4	17.3	16.4	14.2	12.9	12.1	52
56	25.7	23.7	22.3	20.2	18.6	16.5	10.3	8.2	6.9	6.0	56
60	20.1	18.1	16.7	14.6	13.0	10.9	10.0	7.9	6.6	0.8	60
64	19.5	13.2	11.7	9.7	8.1	6.0	5.1	3.0	1.6	0.8	64
68	14.8	12.9	7.4	5.4	3.8	1.6	0.8				68
72	10.7	8.7	7.3	1.5							72
76	6.9	5.0	3.6	1.6							76
80	3.6	1.6									80
84	0.5										84

Unit: t

HJDB_7 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJDB_7 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HJDB_7 Configuration 2/4

Boom length 120~168m, Superlift Radius 18m, Superlift CWT 200t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	120	126	132	138	144	150	156	162	165	168	Radius(m)
14	311										14
15	311	281	267*								15
16	311	281	267	239*	214*						16
17	311	281	267	240	214*	191*	170*				17
18	311	281	268	240	214	192*	170*	151*	142*	134*	18
19	311	281	268	240	214	192	170*	151*	142*	134*	19
20	311	281	268	240	214	193	169*	150*	141*	133*	20
22	311	281	268	239	214	193	168	149	140*	132*	22
24	310	281	269	239	215	193	167	148	139	131	24
26	280	278	269	240	216	192	166	147	138	130	26
28	255	253	252	239	215	191	165	146	137	129	28
30	233	231	230	228	215	190	164	145	136	128	30
32	214	212	211	209	207	189	163	144	135	127	32
34	197	195	194	192	190	188	161	143	134	126	34
36	182	180	179	177	176	174	160	142	133	125	36
38	169	167	166	164	162	160	159	141	132	124	38
40	158	156	154	152	151	149	148	140	132	123	40
44	137	136	134	132	131	128	128	126	124	122	44
48	127	125	117	115	114	112	111	109	107	107	48
52	112	110	109	107	100	98.1	97.2	95.1	93.8	92.9	52
56	100	98.4	97.0	95.0	93.4	91.3	85.2	83.0	81.7	80.9	56
60	89.6	87.6	86.2	84.2	82.6	80.5	79.7	77.6	76.3	70.5	60
64	83.9	78.2	76.8	74.8	73.2	71.1	70.2	68.1	66.8	66.0	64
68	75.8	73.9	68.5	66.5	64.9	62.8	61.9	59.8	58.5	57.7	68
72	68.2	66.3	64.9	59.1	57.5	55.4	54.6	52.4	51.1	50.3	72
76	61.3	59.4	58.0	56.1	54.5	48.9	48.0	45.9	44.6	43.7	76
80	55.1	53.3	51.9	49.9	48.4	46.3	42.1	39.9	38.6	37.8	80
84	49.5	47.7	46.3	44.3	42.8	40.8	39.9	34.6	33.3	32.4	84
88	44.4	42.6	41.2	39.2	37.7	35.7	34.9	32.8	31.5	30.6	88
92	39.8	37.9	36.6	34.6	33.1	31.1	30.2	28.1	26.8	26.0	92
96	35.5	33.6	32.3	30.3	28.8	26.8	26.0	23.9	22.6	21.8	96
100	31.5	29.7	28.3	26.4	24.9	22.9	22.1	20.0	18.7	17.9	100
104	27.8	26.0	24.7	22.8	21.3	19.3	18.5	16.4	15.1	14.3	104
108		22.6	21.3	19.4	17.9	15.9	15.1	13.0	11.7	10.9	108
112			18.1	16.2	14.7	12.7	12.0	9.9	8.6	7.8	112
116			15.1	13.2	11.8	9.8	9.0	7.0	5.7	4.9	116
120				10.4	9.0	7.1	6.3	4.2	3.0	2.1	120
124					6.4	4.5	3.7	1.7	0.4		124
128						2.0	1.3				128

Unit: t

HJDB_7 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJDB_7 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HJDB_7 Configuration 3/4

Boom length 120~168m, Superlift Radius 20m, Superlift CWT 300t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	120	126	132	138	144	150	156	162	165	168	Radius(m)
14	311*										14
15	311*	281*	267*								15
16	311*	281*	267*	239*	214*						16
17	311*	281*	267*	240*	214*	191*	170*				17
18	311*	281*	268*	240*	214*	192*	170*	151*	142*	134*	18
19	311*	281*	268*	240*	214*	192*	170*	151*	142*	134*	19
20	311*	281*	268*	240*	214*	193*	169*	150*	141*	133*	20
22	311	281*	268*	239*	214*	193*	168*	149*	140*	132*	22
24	311	281	269	239*	215*	193*	167*	148*	139*	131*	24
26	311	281	269	240	216*	192*	166*	147*	138*	130*	26
28	311	281	269	239	215	191*	165*	146*	137*	129*	28
30	310	302	268	238	215	190	164*	145*	136*	128*	30
32	287	285	269	236	213	189	163*	144*	135*	127*	32
34	266	265	263	235	212	188	161	143*	134*	126*	34
36	248	246	245	232	211	187	160	142	133	125*	36
38	232	230	229	227	210	186	159	141	132	124	38
40	218	216	215	213	209	185	158	140	132	123	40
44	193	191	190	188	186	183	156	138	130	122	44
48	172	170	169	167	166	164	154	136	128	120	48
52	155	153	152	150	148	146	146	135	126	118	52
56	140	138	137	135	133	131	131	129	124	117	56
60	127	125	124	122	120	119	118	116	115	114	60
64	115	114	112	111	109	107	106	104	103	103	64
68	105	104	102	101	99.6	97.7	96.9	95.0	93.8	93.0	68
72	97.1	95.3	94.0	92.2	90.7	88.9	88.0	86.1	85.0	84.2	72
76	89.1	87.4	86.1	84.2	82.8	80.9	80.1	78.2	77.0	76.3	76
80	82.0	80.2	78.9	77.1	75.7	73.8	73.0	71.1	69.9	69.2	80
84	75.5	73.8	72.5	70.6	69.2	67.4	66.6	64.6	63.5	62.7	84
88	69.6	67.9	66.6	64.8	63.4	61.5	60.7	58.8	57.6	56.9	88
92	64.2	62.5	61.2	59.4	58.0	56.1	55.3	53.4	52.3	51.5	92
96	59.2	57.5	56.2	54.4	53.1	51.2	50.4	48.5	47.3	46.6	96
100	54.6	52.9	51.7	49.9	48.5	46.7	45.9	44.0	42.8	42.1	100
104	50.3	48.7	47.5	45.7	44.3	42.5	41.7	39.8	38.6	37.9	104
108		44.7	43.5	41.8	40.4	38.6	37.8	35.9	34.8	34.0	108
112			39.9	38.1	36.8	34.9	34.2	32.3	31.1	30.4	112
116			36.4	34.7	33.4	31.5	30.8	28.9	27.8	27.0	116
120				31.5	30.2	28.4	27.6	25.7	24.5	23.6	120
124					27.2	25.2	24.5	22.4	21.2	20.4	124
128						22.1	21.4	19.4	18.1	17.3	128
132						19.1	18.5	16.4	15.2	14.4	132
136							15.7	13.7	12.4	11.7	136
140								11.1	9.8	9.1	140
144									7.4	6.6	144
148										4.2	148

Unit: t

HJDB_7 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJDB_7 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HJDB_7 Configuration 4/4

Boom length 120~168m, Superlift Radius 22m, Superlift CWT 440t, Rear CWT 230t, Carbody CWT 80t

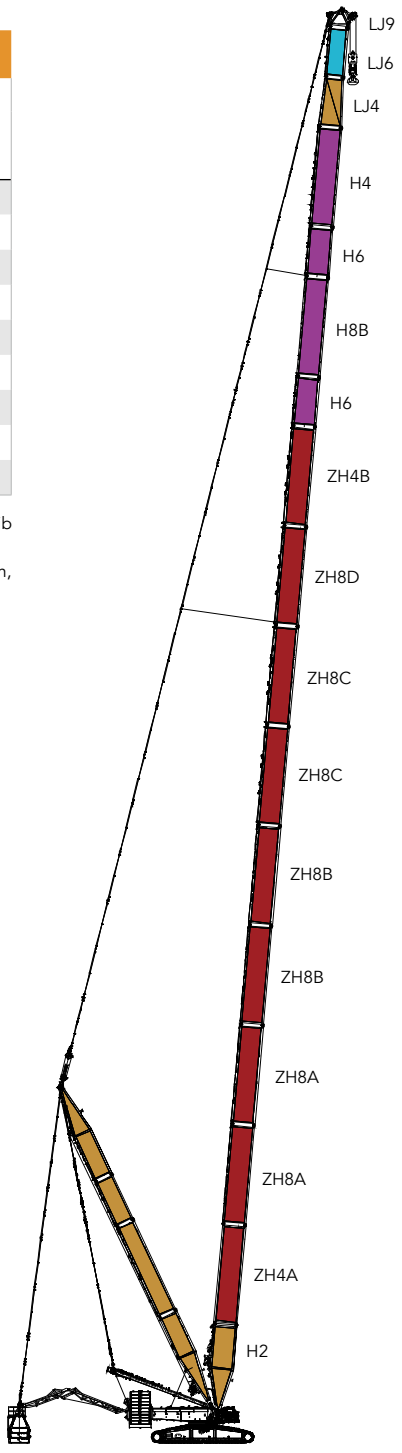
Radius(m)	120	126	132	138	144	150	156	162	165	168	Radius(m)
14	311*										14
15	311*	281*	267*								15
16	311*	281*	267*	239*	214*						16
17	311*	281*	267*	240*	214*	191*	170*				17
18	311*	281*	268*	240*	214*	192*	170*	151*	142*	134*	18
19	311*	281*	268*	240*	214*	192*	170*	151*	142*	134*	19
20	311*	281*	268*	240*	214*	193*	169*	150*	141*	133*	20
22	311*	281*	268*	239*	214*	193*	168*	149*	140*	132*	22
24	311*	281*	269*	239*	215*	193*	167*	148*	139*	131*	24
26	311*	281*	269*	240*	216*	192*	166*	147*	138*	130*	26
28	311*	281*	269*	239*	215*	191*	165*	146*	137*	129*	28
30	311*	302*	268*	238*	215*	190*	164*	145*	136*	128*	30
32	311	302	269*	236*	213*	189*	163*	144*	135*	127*	32
34	311	301	268*	235*	212*	188*	161*	143*	134*	126*	34
36	311	300	266	232*	211*	187*	160*	142*	133*	125*	36
38	311	301	263	230*	210*	186*	159*	141*	132*	124*	38
40	297	295	261	228	209*	185*	158*	140*	132*	123*	40
44	264	263	256	223	206	183*	156*	138*	130*	122*	44
48	238	236	234	218	205	181	154*	136*	128*	120*	48
52	215	213	212	210	202	179	153	135*	126*	118*	52
56	196	194	192	191	189	176	151	133	124*	117*	56
60	179	177	176	174	173	171	149	131	123	115*	60
64	164	162	161	159	158	156	147	129	121	113	64
68	151	150	148	146	145	143	142	127	119	112	68
72	140	138	137	135	134	132	131	126	118	110	72
76	130	128	127	125	123	121	121	119	116	109	76
80	120	119	117	116	114	112	111	110	108	107	80
84	112	110	109	107	106	104	103	101	100	99.7	84
88	104	103	101	100	98.7	96.8	96.0	94.1	92.9	92.2	88
92	98.0	96.2	95.0	91.5	91.8	89.9	89.1	87.2	86.0	85.3	92
96	91.6	89.9	88.6	82.2	85.4	83.6	82.8	80.9	79.7	78.9	96
100	85.7	84.0	82.7	73.2	79.6	77.7	76.9	75.0	73.9	73.1	100
104	80.2	78.3	74.6	64.6	74.1	72.3	71.5	69.6	68.5	67.7	104
108		69.0	65.0	55.0	69.1	67.3	66.5	64.6	63.5	62.7	108
112			57.4	47.1	64.5	62.6	61.9	60.0	58.8	58.1	112
116			48.3	39.6	60.1	58.3	57.5	55.7	54.5	53.7	116
120				32.5*	56.0	54.2	53.5	51.6	50.4	49.7	120
124					52.2	50.4	49.7	47.8	46.6	45.9	124
128						46.8	46.1	44.2	43.1	42.3	128
132						43.4	42.7	40.8	39.7	39.0	132
136							39.5	37.7	36.5	35.8	136
140								34.6	33.5	32.8	140
144									30.7	29.9	144
148										27.2	148

HJDB_9 Configuration

Boom combination in HJDB_9

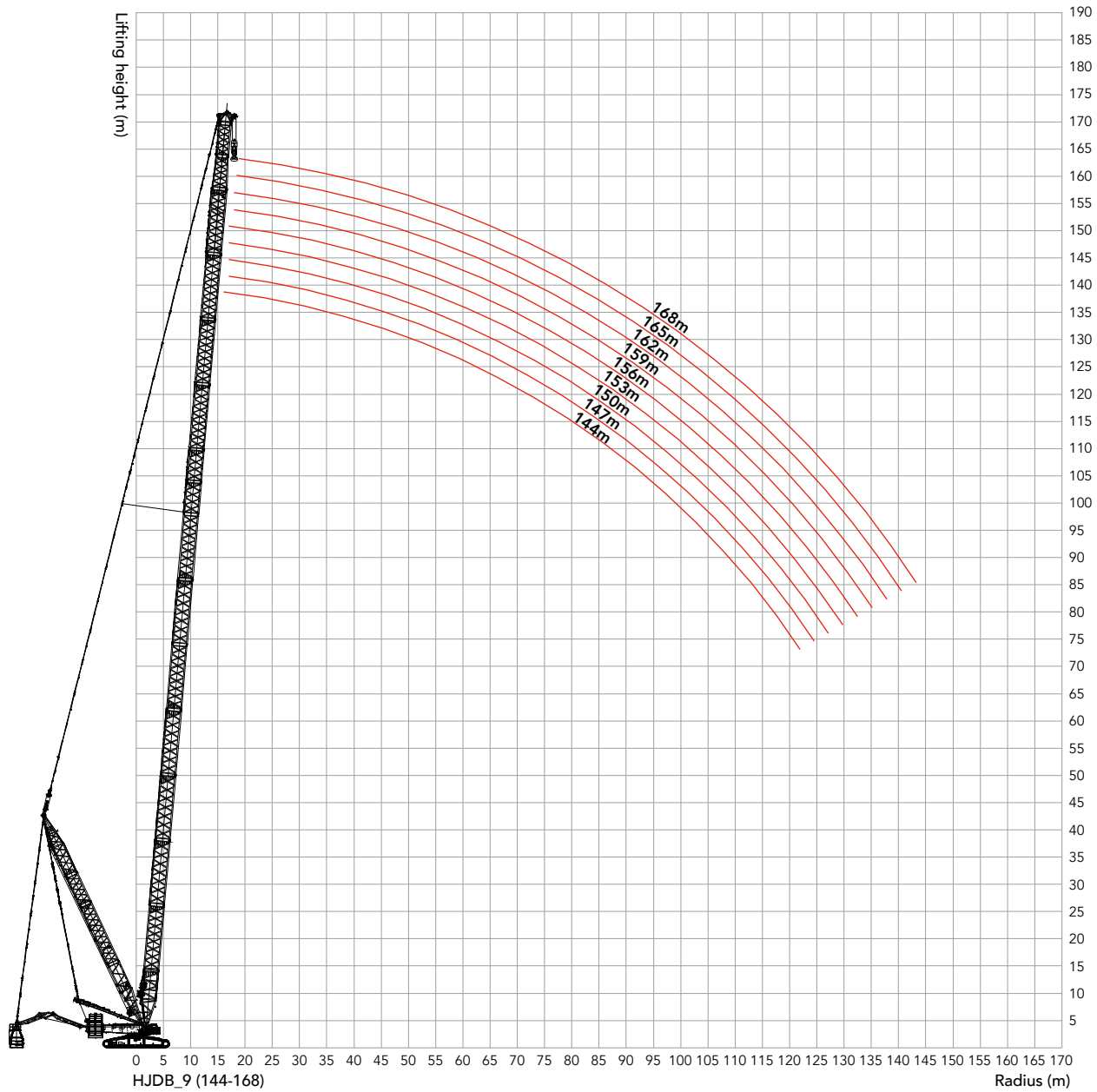
Boom length (m)	Power boom						Boom insert			Jib insert
	12m lower transition section	12mA	12mB	12mC	12mD	12m upper transition section	3m	6m	12mB	6m
144	1	2	2	2	1	1	-	-	-	1
147	1	2	2	2	1	1	1	-	-	1
150	1	2	2	2	1	1	-	1	-	1
153	1	2	2	2	1	1	1	1	-	1
156	1	2	2	2	1	1	-	-	1	1
159	1	2	2	2	1	1	1	-	1	1
162	1	2	2	2	1	1	-	1	1	1
162	1	2	2	2	1	1	1	1	1	1
165	1	2	2	2	1	1	-	2	1	1

Note: The 10.5 m boom base, 12m boom transition section ,500t pulley block 6m jib tapered insert and Jib connecting tip are must.
The mid-point suspension cable must be used for the boom length of 144m-165m in this working condition, otherwise, the boom system may be broken.



HJDB_9
(144-168)

HJDB_9 Working Radius



Unit: t

HJDB_9 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJDB_9 configurations.

SCC9000A Crawler Crane — HJDB_9 Configuration 1/4										
Boom length 144~168m, Superlift Radius 16m, Superlift CWT 0t, Rear CWT 230t, Carbody CWT 80t										
Radius(m)	144	147	150	153	156	159	162	165	168	Radius(m)
16	197									16
17	185	182	179	175	173					17
18	174	171	168	165	163	160	158	155	152	18
19	164	161	159	156	154	151	149	146	144	19
20	155	153	150	147	146	143	141	138	136	20
22	135	134	133	132	130	128	126	123	121	22
24	117	116	115	114	114	113	112	110	109	24
26	102	101	100	99.2	99.2	97.9	97.3	96.1	95.4	26
28	89.5	88.2	87.6	86.4	86.3	85.0	84.4	83.2	82.5	28
30	78.5	77.2	76.6	75.3	75.2	74.0	73.3	72.1	71.4	30
32	68.9	67.7	67.0	65.8	65.7	64.4	63.7	62.5	61.8	32
34	60.6	59.3	58.7	57.4	57.3	56.0	55.3	54.0	53.3	34
36	53.2	51.9	51.3	50.0	49.9	48.5	47.9	46.6	45.9	36
38	46.6	45.3	44.7	43.4	43.3	41.9	41.3	40.0	39.2	38
40	40.7	39.4	38.8	37.5	37.3	36.0	35.3	34.0	33.3	40
44	30.6	29.3	28.6	27.3	27.2	25.8	25.2	23.9	23.1	44
48	22.2	20.9	20.2	18.9	18.8	17.4	16.7	15.4	14.7	48
52	15.2	13.9	13.2	11.9	11.7	10.3	9.6	8.3	7.5	52
56	14.4	13.1	12.4	11.1	5.7	4.3	3.6	2.3	1.5	56
60	8.8	7.5	6.8	5.5	5.3	4.0	3.3	2.0		60
64	3.9	2.6	1.9	0.6	0.4					64

Unit: t

HJDB_9 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJDB_9 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HJDB_9 Configuration 2/4

Boom length 144~168m, Superlift Radius 18m, Superlift CWT 200t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	144	147	150	153	156	159	162	165	168	Radius(m)
16	236*									16
17	236	224	213*	203*	192*					17
18	237	225	214	203	192*	182*	173*	165*	156*	18
19	237	225	214	203	193	183	174*	165*	157*	19
20	238	226	215	203	193	183	174	165*	157*	20
22	237	227	214	204	193	183	175	165	156	22
24	238	226	215	203	193	184	175	165	156	24
26	239	226	215	204	193	184	175	164	155	26
28	239	227	216	205	194	183	174	163	154	28
30	222	219	216	204	194	183	173	162	153	30
32	203	202	201	199	194	182	172	162	152	32
34	186	185	184	183	183	181	171	161	152	34
36	172	170	170	168	168	167	166	160	151	36
38	158	157	156	155	155	154	153	152	150	38
40	147	145	145	143	143	142	141	140	139	40
44	126	125	124	123	123	122	121	120	119	44
48	110	108	108	106	106	105	104	103	102	48
52	96.0	94.6	94.0	92.7	92.5	91.2	90.5	89.2	88.4	52
56	89.2	87.9	87.2	85.9	80.5	79.1	78.4	77.1	76.4	56
60	78.4	77.1	76.4	75.1	75.0	73.6	73.0	71.7	65.9	60
64	69.0	67.7	67.0	65.7	65.6	64.2	63.5	62.2	61.4	64
68	60.7	59.4	58.7	57.4	57.3	55.9	55.2	53.9	53.1	68
72	53.3	52.0	51.3	50.0	49.9	48.5	47.8	46.5	45.7	72
76	50.3	45.4	44.7	43.4	43.3	41.9	41.2	39.9	39.2	76
80	44.1	42.8	42.2	40.9	37.4	36.0	35.3	34.0	33.2	80
84	38.6	37.3	36.6	35.3	35.2	33.9	30.0	28.6	27.9	84
88	33.5	32.2	31.5	30.2	30.1	28.8	28.1	26.8	26.1	88
92	28.8	27.6	26.9	25.6	25.5	24.2	23.5	22.2	21.4	92
96	24.6	23.3	22.7	21.4	21.3	19.9	19.2	17.9	17.2	96
100	20.6	19.4	18.7	17.4	17.3	16.0	15.3	14.0	13.3	100
104	17.0	15.7	15.1	13.8	13.7	12.4	11.7	10.4	9.7	104
108	13.6	12.4	11.7	10.4	10.4	9.0	8.4	7.1	6.3	108
112	10.5	9.2	8.6	7.3	7.2	5.9	5.2	3.9	3.2	112
116	7.5	6.3	5.6	4.4	4.3	3.0	2.3	1.0	0.3	116
120	4.7	3.5	2.9	1.6	1.5					120
124	2.1	0.9	0.3							124

Unit: t

HJDB_9 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJDB_9 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HJDB_9 Configuration 3/4

Boom length 144~168m, Superlift Radius 20m, Superlift CWT 300t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	144	147	150	153	156	159	162	165	168	Radius(m)
16	236*									16
17	236*	224*	213*	203*	192*					17
18	237*	225*	214*	203*	192*	182*	173*	165*	156*	18
19	237*	225*	214*	203*	193*	183*	174*	165*	157*	19
20	238*	226*	215*	203*	193*	183*	174*	165*	157*	20
22	237*	227*	214*	204*	193*	183*	175*	165*	156*	22
24	238*	226*	215*	203*	193*	184*	175*	165*	156*	24
26	239	226	215*	204*	193*	184*	175*	164*	155*	26
28	239	227	216	205	194	183*	174*	163*	154*	28
30	240	226	216	204	194	183	173*	162*	153*	30
32	239	226	215	204	194	182	172	162	152*	32
34	239	227	215	204	193	181	171	161	152	34
36	238	227	216	205	192	180	170	160	151	36
38	222	221	216	205	191	179	169	159	150	38
40	208	206	206	205	190	179	168	158	149	40
44	183	182	181	180	180	177	166	156	147	44
48	162	161	160	159	159	158	157	155	145	48
52	145	143	143	142	141	140	140	138	138	52
56	130	128	128	127	126	125	125	123	123	56
60	117	115	115	114	114	112	112	111	109	60
64	105	104	104	102	102	101	100	99.7	99.0	64
68	95.8	94.7	94.0	92.9	92.7	91.5	90.9	89.7	89.0	68
72	87.0	85.8	85.2	84.0	83.9	82.7	82.0	80.8	80.1	72
76	79.1	77.9	77.3	76.1	76.0	74.7	74.1	72.9	72.2	76
80	71.9	70.7	70.1	69.0	68.8	67.6	67.0	65.8	65.1	80
84	65.5	64.3	63.7	62.5	62.4	61.2	60.5	59.4	58.7	84
88	59.6	58.4	57.8	56.6	56.5	55.3	54.7	53.5	52.8	88
92	54.2	53.0	52.4	51.3	51.1	49.9	49.3	48.1	47.4	92
96	49.3	48.1	47.5	46.3	46.2	45.0	44.4	43.2	42.5	96
100	44.7	43.6	43.0	41.8	41.7	40.5	39.9	38.7	38.0	100
104	40.5	39.4	38.8	37.6	37.5	36.3	35.7	34.5	33.8	104
108	36.6	35.5	34.9	33.7	33.6	32.4	31.8	30.6	29.9	108
112	33.0	31.8	31.3	30.1	30.0	28.8	28.2	27.0	26.3	112
116	29.6	28.4	27.9	26.6	26.5	25.2	24.6	23.3	22.5	116
120	26.2	25.0	24.4	23.1	23.0	21.7	21.1	19.8	19.0	120
124	22.9	21.6	21.0	19.8	19.7	18.4	17.8	16.5	15.8	124
128		18.5	17.9	16.7	16.6	15.3	14.7	13.4	12.7	128
132			15.0	13.7	13.7	12.4	11.8	10.5	9.8	132
136					10.9	9.6	9.0	7.8	7.0	136
140						7.0	6.4	5.1	4.4	140
144								2.7	2.0	144

Unit: t

HJDB_9 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJDB_9 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HJDB_9 Configuration 4/4

Boom length 144~168m, Superlift Radius 22m, Superlift CWT 440t, Rear CWT 230t, Carbody CWT 80t

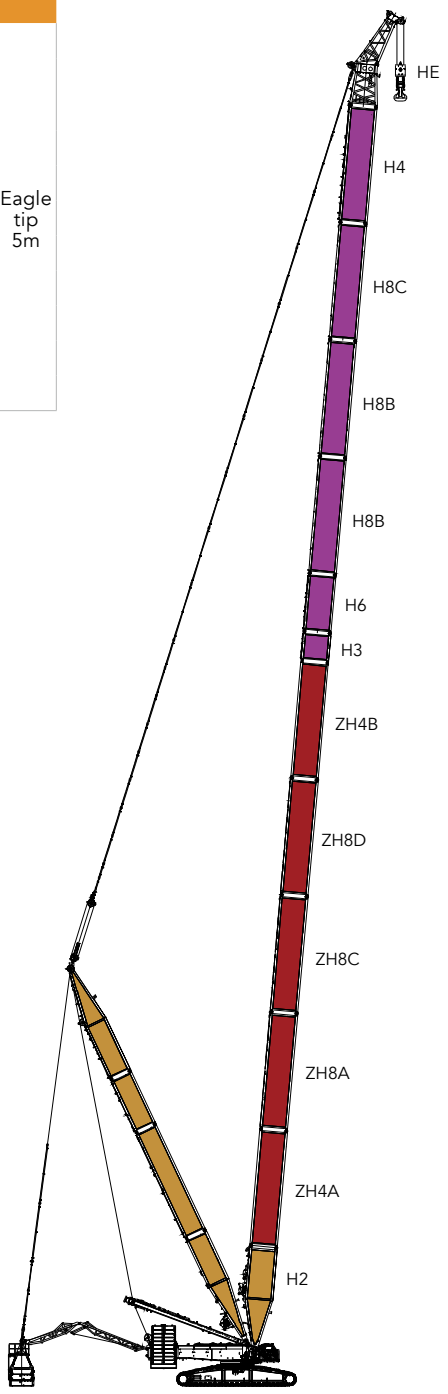
Radius(m)	144	147	150	153	156	159	162	165	168	Radius(m)
16	236*									16
17	236*	224*	213*	203*	192*					17
18	237*	225*	214*	203*	192*	182*	173*	165*	156*	18
19	237*	225*	214*	203*	193*	183*	174*	165*	157*	19
20	238*	226*	215*	203*	193*	183*	174*	165*	157*	20
22	237*	227*	214*	204*	193*	183*	175*	165*	156*	22
24	238*	226*	215*	203*	193*	184*	175*	165*	156*	24
26	239*	226*	215*	204*	193*	184*	175*	164*	155*	26
28	239*	227*	216*	205*	194*	183*	174*	163*	154*	28
30	240*	226*	216*	204*	194*	183*	173*	162*	153*	30
32	239*	226*	215*	204*	194*	182*	172*	162*	152*	32
34	239*	227*	215*	204*	193*	181*	171*	161*	152*	34
36	239*	227*	216*	205*	192*	180*	170*	160*	151*	36
38	240	227*	216*	205*	191*	179*	169*	159*	150*	38
40	240	228	217	205*	190*	179*	168*	158*	149*	40
44	240	228	215	203	188	177*	166*	156*	147*	44
48	227	226	213	201	186	175	164	155*	145*	48
52	205	204	203	198	184	173	163	153	144	52
56	185	184	184	183	182	171	161	151	142	56
60	169	168	167	166	166	164	159	149	140	60
64	154	153	152	151	151	150	149	147	138	64
68	141	140	139	138	138	137	136	135	134	68
72	130	129	128	127	127	126	125	124	123	72
76	120	118	118	117	116	115	115	113	113	76
80	110	109	109	107	107	106	105	104	104	80
84	102	101	100	99.5	99.4	98.2	97.6	96.4	95.7	84
88	94.9	93.8	93.1	92.0	91.8	90.6	90.0	88.8	88.1	88
92	88.0	86.8	86.2	85.1	84.9	83.7	83.1	81.9	81.2	92
96	81.6	80.5	79.9	78.7	78.6	77.4	76.8	75.6	74.9	96
100	75.8	74.6	74.0	72.9	72.7	71.5	70.9	69.7	69.0	100
104	70.4	69.2	68.6	67.5	67.3	66.1	65.5	64.3	63.7	104
108	65.3	64.2	63.6	62.4	62.3	61.1	60.5	59.3	58.7	108
112	60.7	59.5	58.9	57.8	57.7	56.5	55.9	54.7	54.0	112
116	56.3	55.2	54.6	53.4	53.3	52.1	51.5	50.4	49.7	116
120	52.2	51.1	50.5	49.4	49.3	48.1	47.5	46.3	45.6	120
124	48.4	47.2	46.7	45.5	45.4	44.3	43.7	42.5	41.8	124
128		43.6	43.1	41.9	41.9	40.7	40.1	38.9	38.3	128
132			39.7	38.5	38.5	37.3	36.7	35.6	34.9	132
136					35.3	34.1	33.5	32.4	31.7	136
140						31.1	30.5	29.4	28.7	140
144								26.5	25.9	144
148									23.1	148

HEDB_5 Configuration

Boom combination in HEDB_5

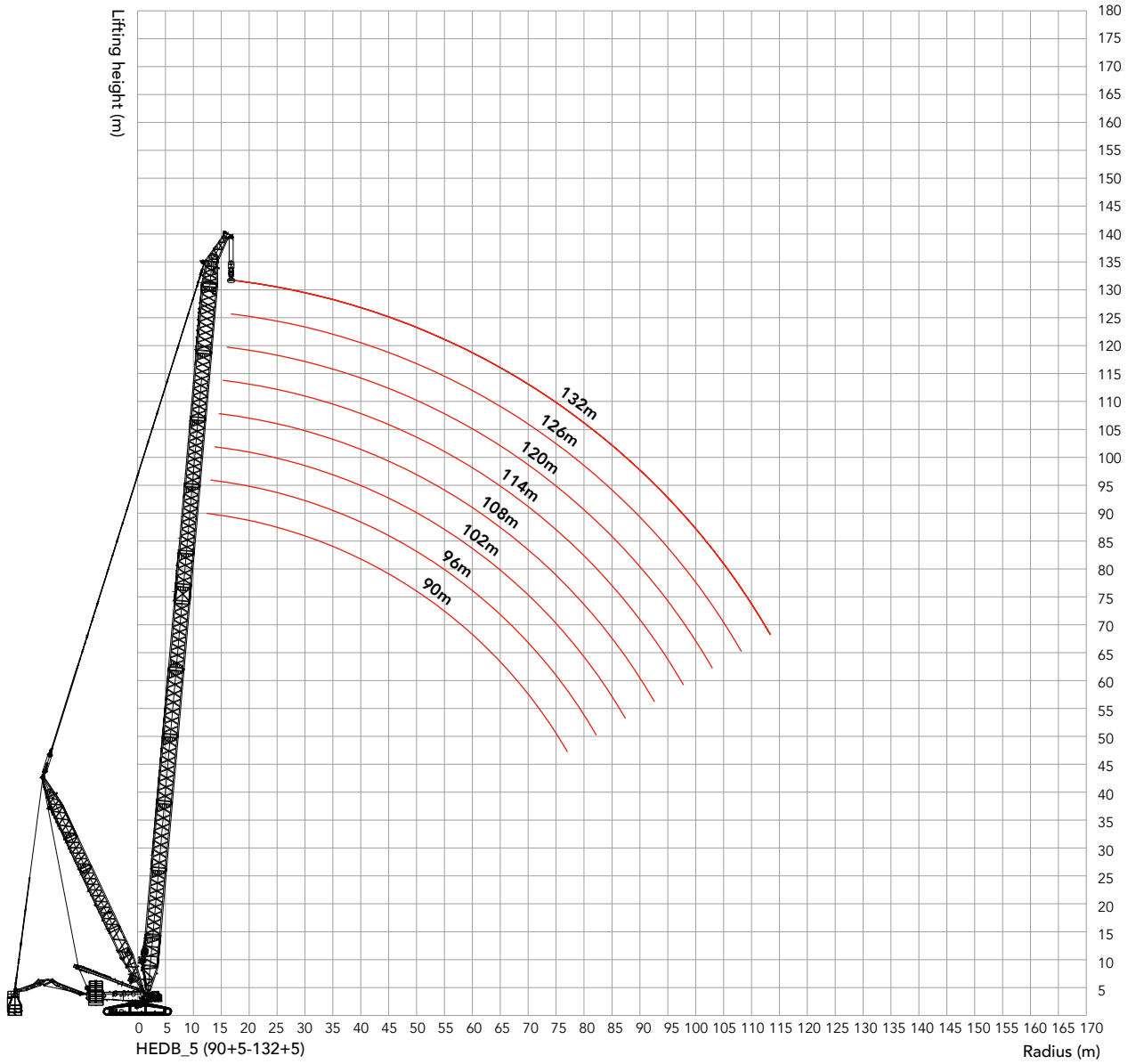
Boom length (m)	Power boom					Boom insert					
	12m lower transition section	12mA	12mC	12mD	12m upper transition section	3m	6m	12mB	12mC	12mD	
90	1	1	1	1	1	1	-	-	-	-	Eagle tip 5m
96	1	1	1	1	1	1	1	-	-	-	
102	1	1	1	1	1	1	-	1	-	-	
108	1	1	1	1	1	1	1	1	-	-	
114	1	1	1	1	1	1	-	2	-	-	
120	1	1	1	1	1	1	1	2	-	-	
126	1	1	1	1	1	1	-	2	1	-	
132	1	1	1	1	1	1	1	2	1	-	

Note: The 10.5 m boom base, 12 m boom transition section are must.



HEDB_5
(90+5-132+5)

HEDB_5 Working Radius



Unit: t

HEDB_5 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HEDB_5 configurations;
8. Note: To connect to the boom top, two kinds of eagle tip are available. The 270t eagle tip is offered optionally for this load chart, with the max. lifting capacity of 270t. And the lifting capacity shall not exceed 240t if the standard 240t eagle tip is configured.

SCC9000A Crawler Crane — HEDB_5 Configuration 1/4									
Boom length 90~132m, Superlift Radius 16m, Superlift CWT 0t, Rear CWT 230t, Carbody CWT 80t									
Radius(m)	90	96	102	108	114	120	126	132	Radius(m)
14	270	270							14
15	258	257	256	255					15
16	237	236	235	234	232	224			16
17	218	217	216	215	214	211	206	199	17
18	202	201	200	198	197	196	194	188	18
19	187	186	185	184	183	182	181	177	19
20	175	173	172	171	170	168	168	166	20
22	153	151	150	149	148	146	146	144	22
24	135	133	132	131	129	128	127	126	24
26	120	118	117	115	114	113	112	110	26
28	107	105	104	103	101	100	99.5	97.7	28
30	96.6	95.0	93.8	92.0	90.7	89.1	88.4	86.5	30
32	87.1	85.5	84.2	82.5	81.1	79.4	78.7	76.8	32
34	78.8	77.1	75.9	74.1	72.8	71.0	70.3	68.3	34
36	79.9	69.8	68.5	66.7	65.3	63.5	62.8	60.8	36
38	72.8	71.1	61.9	60.1	58.7	56.9	56.1	54.2	38
40	66.4	64.8	63.5	54.2	52.8	50.9	50.1	48.2	40
44	55.5	53.8	52.6	50.7	49.4	40.7	39.9	37.9	44
48	46.4	44.7	43.5	41.6	40.3	38.4	37.6	29.4	48
52	44.0	37.0	35.8	33.9	32.6	30.6	29.9	27.9	52
56	36.9	35.3	34.1	27.3	26.0	24.0	23.3	21.2	56
60	30.7	29.1	27.9	26.1	20.3	18.3	17.5	15.5	60
64	25.3	23.7	22.5	20.8	19.5	13.3	12.5	10.5	64
68	20.5	18.9	17.8	16.0	14.7	12.8	12.1	6.1	68
72	16.2	14.6	13.5	11.7	10.5	8.6	7.9	5.9	72
76	12.3	10.8	9.7	7.9	6.6	4.8	4.1	2.1	76
80	8.7	7.2	6.2	4.4	3.2	1.3	0.6		80
84	5.4	4.0	3.0	1.3					84
88		1.0							88

Unit: t

HEDB_5 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HEDB_5 configurations;
8. Note: To connect to the boom top, two kinds of eagle tip are available. The 270t eagle tip is offered optionally for this load chart, with the max. lifting capacity of 270t. And the lifting capacity shall not exceed 240t if the standard 240t eagle tip is configured;
9. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HEDB_5 Configuration 2/4

Boom length 90~132m, Superlift Radius 18m, Superlift CWT 200t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	90	96	102	108	114	120	126	132	Radius(m)
14	270*	270*							14
15	270*	270*	270*	270*					15
16	270	270	270	270	270	264			16
17	270	270	270	270	270	265	235	209*	17
18	270	270	270	270	270	265	234	209*	18
19	270	270	270	270	270	265	234	209	19
20	270	270	270	270	270	264	235	209	20
22	270	270	270	270	270	265	236	209	22
24	270	270	270	270	270	266	236	209	24
26	267	270	270	270	270	266	236	210	26
28	260	260	259	257	256	255	236	210	28
30	240	238	237	235	234	233	232	209	30
32	221	219	218	216	215	213	213	207	32
34	204	202	201	200	198	197	196	194	34
36	197	188	186	185	183	182	181	179	36
38	184	182	173	172	170	168	168	166	38
40	172	170	169	160	158	157	156	154	40
44	151	149	148	146	145	136	135	134	44
48	133	132	131	129	127	126	125	117	48
52	121	117	116	114	113	111	110	108	52
56	109	107	106	101	100	98.7	97.9	96.0	56
60	98.8	97.3	96.1	94.5	89.7	87.8	87.0	85.1	60
64	89.5	88.0	86.9	85.2	84.0	78.3	77.5	75.5	64
68	81.3	79.8	78.7	76.9	75.7	73.8	73.2	67.2	68
72	73.5	72.0	70.9	69.2	68.0	66.1	65.4	63.5	72
76	66.5	65.0	64.0	62.2	61.0	59.2	58.5	56.5	76
80	60.1	58.7	57.7	56.0	54.7	52.9	52.2	50.3	80
84	54.2	52.9	51.9	50.3	49.1	47.2	46.6	44.6	84
88		47.6	46.7	45.1	43.9	42.1	41.4	39.5	88
92			41.8	40.3	39.1	37.3	36.7	34.8	92
96				35.8	34.7	32.9	32.3	30.4	96
100				31.7	30.6	28.9	28.3	26.4	100
104					26.8	25.1	24.6	22.7	104
108						21.6	21.1	19.3	108
112							17.8	16.0	112
116							14.7	13.0	116
120								10.1	120

Unit: t

HEDB_5 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HEDB_5 configurations;
8. Note: To connect to the boom top, two kinds of eagle tip are available. The 270t eagle tip is offered optionally for this load chart, with the max. lifting capacity of 270t. And the lifting capacity shall not exceed 240t if the standard 240t eagle tip is configured;
9. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HEDB_5 Configuration 3/4

Boom length 90~132m, Superlift Radius 20m, Superlift CWT 300t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	90	96	102	108	114	120	126	132	Radius(m)
14	270*	270*							14
15	270*	270*	270*	270*					15
16	270*	270*	270*	270*	270*	264*			16
17	270*	270*	270*	270*	270*	265*	235*	209*	17
18	270*	270*	270*	270*	270*	265*	234*	209*	18
19	270*	270*	270*	270*	270*	265*	234*	209*	19
20	270*	270*	270*	270*	270*	264*	235*	209*	20
22	270*	270*	270*	270*	270*	265*	236*	209*	22
24	270	270	270	270	270	266	236*	209*	24
26	267	270	270	270	270	266	236	210*	26
28	260	264	265	267	269	266	236	210	28
30	254	258	262	263	264	266	236	209	30
32	248	252	256	259	260	262	235	207	32
34	243	248	251	254	255	258	235	205	34
36	239	242	248	249	249	248	233	204	36
38	235	237	236	234	233	231	231	202	38
40	224	223	221	220	219	217	216	201	40
44	199	198	196	195	193	192	191	189	44
48	178	177	176	174	173	171	170	168	48
52	161	159	158	156	155	153	153	151	52
56	146	144	143	141	140	138	138	136	56
60	132	131	130	128	127	125	124	123	60
64	121	120	118	117	116	114	113	111	64
68	111	109	108	107	105	104	103	101	68
72	102	100	99.8	98.2	97.0	95.2	94.5	92.7	72
76	94.3	92.8	91.8	90.2	88.9	87.2	86.5	84.7	76
80	86.9	85.5	84.5	82.9	81.7	80.0	79.3	77.5	80
84	80.2	78.9	77.9	76.4	75.1	73.4	72.8	71.0	84
88		72.8	71.9	70.3	69.2	67.5	66.8	65.0	88
92			66.3	64.8	63.7	62.0	61.4	59.6	92
96				59.7	58.6	57.0	56.4	54.6	96
100				55.0	53.9	52.3	51.7	50.0	100
104					49.6	48.0	47.4	45.7	104
108						44.0	43.4	41.7	108
112							39.7	38.0	112
116							36.2	34.5	116
120								31.2	120

Unit: t

HEDB_5 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HEDB_5 configurations;
8. Note: To connect to the boom top, two kinds of eagle tip are available. The 270t eagle tip is offered optionally for this load chart, with the max. lifting capacity of 270t. And the lifting capacity shall not exceed 240t if the standard 240t eagle tip is configured;
9. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HEDB_5 Configuration 4/4

Boom length 90~132m, Superlift Radius 22m, Superlift CWT 440t, Rear CWT 230t, Carbody CWT 80t

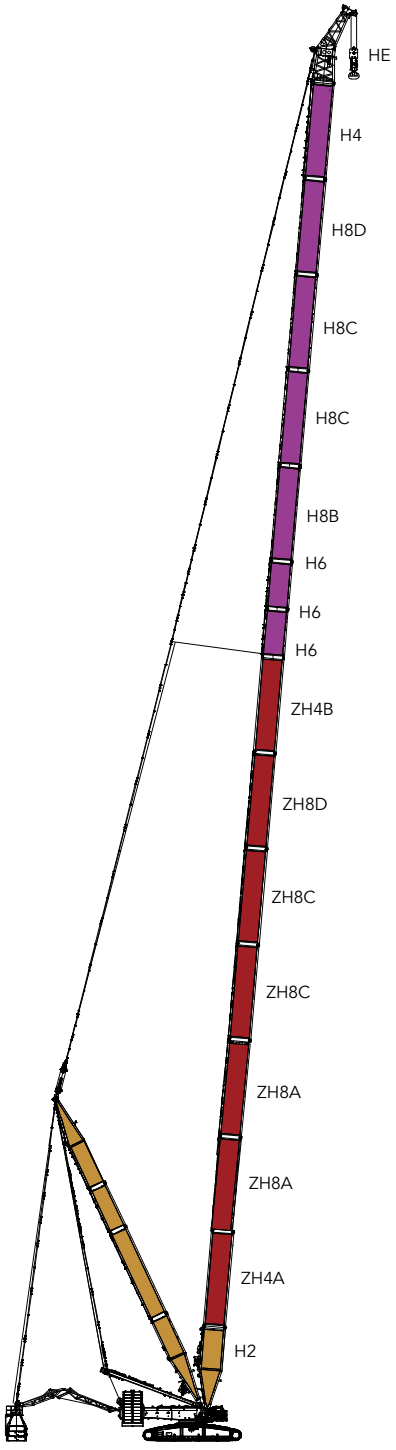
Radius(m)	90	96	102	108	114	120	126	132	Radius(m)
14	270*	270*							14
15	270*	270*	270*	270*					15
16	270*	270*	270*	270*	270*	264*			16
17	270*	270*	270*	270*	270*	265*	235*	209*	17
18	270*	270*	270*	270*	270*	265*	234*	209*	18
19	270*	270*	270*	270*	270*	265*	234*	209*	19
20	270*	270*	270*	270*	270*	264*	235*	209*	20
22	270*	270*	270*	270*	270*	265*	236*	209*	22
24	270*	270*	270*	270*	270*	266*	236*	209*	24
26	267*	270*	270*	270*	270*	266*	236*	210*	26
28	260*	264*	265*	267*	269*	266*	236*	210*	28
30	254*	258*	262*	263*	264*	266*	236*	209*	30
32	248*	252*	256*	259*	260*	262*	235*	207*	32
34	243*	248*	251*	254*	255*	258*	235*	205*	34
36	239*	242*	248*	249*	252*	253*	233*	204*	36
38	235*	238*	242*	246	249	249	232*	202*	38
40	229*	235*	238	241	244	246	230	201*	40
44	219	226	229	234	238	238	227	197	44
48	208	214	222	226	230	232	223	194	48
52	199	205	211	217	215	214	213	191	52
56	190	196	199	197	196	194	193	188	56
60	182	183	182	180	179	177	177	175	60
64	170	168	167	166	164	163	162	160	64
68	157	155	154	153	151	150	149	147	68
72	145	144	143	141	140	138	137	136	72
76	135	133	132	131	129	128	127	125	76
80	125	124	123	121	120	118	118	116	80
84	117	115	115	113	112	110	109	108	84
88		108	107	105	104	102	102	100	88
92			100	98.6	97.4	95.8	95.2	93.4	92
96				92.1	91.0	89.3	88.7	87.0	96
100				86.1	85.0	83.4	82.8	81.0	100
104					79.4	77.8	77.3	75.6	104
108						72.7	72.2	70.5	108
112							67.4	65.7	112
116							62.9	61.2	116
120								57.1	120

HEDB_7 Configuration

Boom combination in HEDB_7

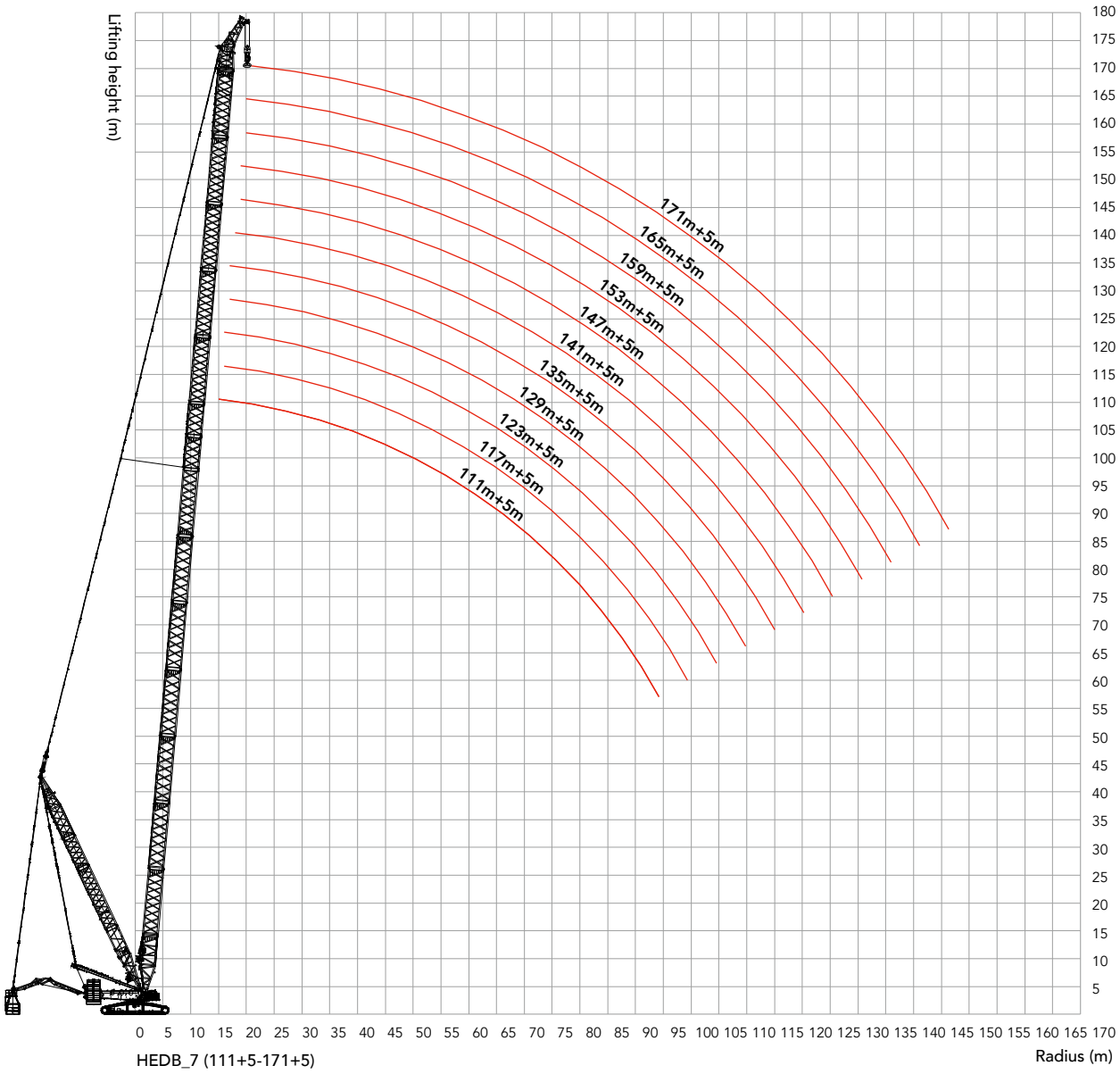
Boom length (m)	Power boom					Boom insert				
	12m lower transition section	12mA	12mC	12mD	12m upper transition section	6m	12mB	12mC	12mD	
111	1	2	2	1	1	-	-	-	-	Eagle tip 5m
117	1	2	2	1	1	1	-	-	-	
123	1	2	2	1	1	-	-	-	1	
129	1	2	2	1	1	1	-	-	1	
135	1	2	2	1	1	-	-	1	1	
141	1	2	2	1	1	1	-	1	1	
147	1	2	2	1	1	-	1	1	1	
153	1	2	2	1	1	1	1	1	1	
159	1	2	2	1	1	-	1	2	1	
165	1	2	2	1	1	1	1	2	1	
171	1	2	2	1	1	2	1	2	1	

Note: The 10.5 m boom base, 12 m boom transition section are must.
The mid-point suspension cable must be used for the boom length of 147 m+15-171m+5m in this working condition, otherwise, the boom system may be broken.



HEDB_7
(111+5-171+5)

HEDB_7 Working Radius



Unit: t

HEDB_7 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HEDB_7 configurations;
8. Note: To connect to the boom top, two kinds of eagle tip are available. The 270t eagle tip is offered optionally for this load chart, with the max. lifting capacity of 270t. And the lifting capacity shall not exceed 240t if the standard 240t eagle tip is configured.

SCC9000A Crawler Crane — HEDB_7 Configuration 1/4

Boom length 111~171m, Superlift Radius 16m, Superlift CWT 0t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	111	117	123	129	135	141	147	153	159	165	171	Radius(m)
15	249											15
16	231	226	220									16
17	212	211	207	201	195							17
18	195	194	194	189	184	178						18
19	181	180	180	178	174	169	164	158				19
20	168	166	167	165	165	159	155	150	144	129		20
22	145	144	144	143	142	141	139	134	131	126	114	22
24	127	126	126	124	124	122	121	119	118	113	109	24
26	112	111	111	109	108	107	105	104	103	101	98.7	26
28	99.7	98.2	98.2	96.4	95.8	94.1	92.7	90.9	90.1	88.3	86.5	28
30	88.6	87.1	87.0	85.3	84.6	82.8	81.4	79.6	78.8	76.9	75.1	30
32	79.0	77.4	77.4	75.6	74.9	73.1	71.7	69.8	69.0	67.1	65.2	32
34	70.6	69.0	68.9	67.1	66.4	64.5	63.1	61.2	60.3	58.4	56.5	34
36	63.1	61.5	61.4	59.6	58.9	57.0	55.5	53.6	52.7	50.8	48.8	36
38	56.5	54.8	54.8	52.9	52.2	50.3	48.8	46.8	46.0	44.0	42.0	38
40	50.6	48.9	48.8	46.9	46.2	44.2	42.8	40.8	39.9	37.9	35.9	40
44	47.1	38.6	38.5	36.6	35.9	33.9	32.4	30.4	29.5	27.5	25.4	44
48	38.0	36.3	36.2	28.1	27.3	25.3	23.8	21.8	20.8	18.8	16.8	48
52	30.3	28.5	28.5	26.6	25.8	18.1	16.6	14.5	13.6	11.5	9.4	52
56	23.7	21.9	21.9	19.9	19.2	17.2	15.7	8.3	7.4	5.3	3.2	56
60	22.5	16.2	16.1	14.2	13.5	11.5	9.9	7.9	6.9			60
64	17.1	15.4	11.1	9.2	8.4	6.4	4.9	2.8	1.9			64
68	12.3	10.6	10.6	4.7	4.0	2.0	0.4					68
72	8.1	6.4	6.4	4.5	3.8							72
76	4.3	2.6	2.6	0.7								76
80	0.8											80

Unit: t

HEDB_7 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HEDB_7 configurations;
8. Note: To connect to the boom top, two kinds of eagle tip are available. The 270t eagle tip is offered optionally for this load chart, with the max. lifting capacity of 270t. And the lifting capacity shall not exceed 240t if the standard 240t eagle tip is configured;
9. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HEDB_7 Configuration 2/4

Boom length 111~171m, Superlift Radius 18m, Superlift CWT 200t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	111	117	123	129	135	141	147	153	159	165	171	Radius(m)
15	270*											15
16	270	270	270									16
17	270	270	270	253	225*							17
18	270	270	270	253	225	203*						18
19	270	270	270	253	226	203	182*	165*				19
20	270	270	270	254	226	203	183	165*	144*	129*		20
22	270	270	270	254	226	203	184	166	143*	128*	114*	22
24	270	270	270	254	226	203	183	166	143	127*	113*	24
26	270	270	270	254	226	204	184	165	142	126	112	26
28	254	253	253	251	227	204	184	164	141	125	111	28
30	232	231	231	229	227	202	184	164	140	124	110	30
32	213	211	211	210	209	200	183	163	139	124	109	32
34	196	194	194	193	192	190	182	162	138	123	109	34
36	181	180	180	178	177	175	174	161	137	122	108	36
38	168	166	166	165	164	162	161	159	136	121	107	38
40	156	155	154	153	152	150	149	147	135	120	106	40
44	143	134	134	132	132	130	128	126	125	119	105	44
48	125	123	123	115	115	113	111	109	108	106	103	48
52	110	109	109	107	106	98.9	97.4	95.4	94.4	92.4	90.3	52
56	98.2	96.5	96.5	94.6	93.9	92.0	90.5	83.2	82.2	80.2	78.1	56
60	91.2	85.6	85.6	83.7	83.0	81.1	79.6	77.5	76.6	69.6	67.5	60
64	82.0	80.3	76.1	74.2	73.5	71.5	70.0	68.0	67.1	65.0	62.9	64
68	73.3	71.7	71.7	65.8	65.1	63.1	61.6	59.6	58.6	56.6	54.5	68
72	65.5	63.9	63.9	62.1	61.4	55.7	54.1	52.1	51.2	49.1	47.0	72
76	58.6	56.9	57.0	55.2	54.5	52.6	47.5	45.4	44.5	42.4	40.3	76
80	52.3	50.7	50.7	48.9	48.3	46.3	44.8	39.4	38.5	36.4	34.3	80
84	46.7	45.0	45.1	43.2	42.6	40.7	39.2	37.2	36.3	31.0	28.9	84
88	41.5	39.8	39.9	38.1	37.5	35.5	34.1	32.1	31.2	29.1	23.9	88
92	36.7	35.0	35.2	33.4	32.7	30.8	29.4	27.4	26.5	24.4	22.3	92
96	32.3	30.7	30.8	29.0	28.4	26.5	25.0	23.0	22.2	20.1	18.0	96
100	28.1	26.6	26.8	25.0	24.4	22.5	21.1	19.1	18.2	16.1	14.1	100
104		22.8	23.0	21.3	20.7	18.8	17.4	15.4	14.5	12.5	10.4	104
108		19.2	19.5	17.8	17.2	15.4	13.9	12.0	11.1	9.1	7.0	108
112			16.2	14.5	14.0	12.2	10.7	8.8	7.9	5.9	3.8	112
116				11.4	11.0	9.2	7.7	5.8	5.0	2.9	0.9	116
120					8.1	6.3	4.9	3.0	2.2			120
124					5.4	3.6	2.3	0.4				124
128						1.1						128

Unit: t

HEDB_7 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HEDB_7 configurations;
8. Note: To connect to the boom top, two kinds of eagle tip are available. The 270t eagle tip is offered optionally for this load chart, with the max. lifting capacity of 270t. And the lifting capacity shall not exceed 240t if the standard 240t eagle tip is configured;
9. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HEDB_7 Configuration 3/4

Boom length 111~171m, Superlift Radius 20m, Superlift CWT 300t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	111	117	123	129	135	141	147	153	159	165	171	Radius(m)
15	270*											15
16	270*	270*	270*									16
17	270*	270*	270*	253*	225*							17
18	270*	270*	270*	253*	225*	203*						18
19	270*	270*	270*	253*	226*	203*	182*	165*				19
20	270*	270*	270*	254*	226*	203*	183*	165*	144*	129*		20
22	270*	270*	270*	254*	226*	203*	184*	166*	143*	128*	114*	22
24	270	270	270	254	226*	203*	183*	166*	143*	127*	113*	24
26	270	270	270	254	226	204*	184*	165*	142*	126*	112*	26
28	270	270	270	255	227	204	184*	164*	141*	125*	111*	28
30	266	269	269	255	227	202	184	164*	140*	124*	110*	30
32	263	264	265	255	227	200	183	163	139*	124*	109*	32
34	257	259	260	255	226	199	182	162	138*	123*	109*	34
36	247	246	246	244	225	198	181	161	137	122*	108*	36
38	231	230	229	228	223	196	180	160	136	121*	107*	38
40	217	215	215	213	213	194	179	159	135	120	106*	40
44	192	190	190	188	187	186	178	158	134	119	105	44
48	171	169	169	167	167	165	163	156	132	117	103	48
52	153	151	151	150	149	147	146	144	131	116	102	52
56	138	136	136	135	134	132	131	129	128	114	101	56
60	125	123	123	121	121	119	118	116	115	113	99.6	60
64	114	112	112	110	109	108	106	104	104	102	98.2	64
68	103	102	102	100	99.8	98.0	96.6	94.8	93.9	92.1	90.2	68
72	94.9	93.3	93.2	91.5	90.9	89.1	87.7	85.9	85.0	83.1	81.3	72
76	86.9	85.3	85.2	83.5	82.9	81.1	79.7	77.9	77.0	75.2	73.3	76
80	79.6	78.0	78.0	76.3	75.7	73.9	72.5	70.7	69.8	68.0	66.1	80
84	73.1	71.5	71.5	69.8	69.1	67.4	66.0	64.2	63.3	61.4	59.6	84
88	67.1	65.5	65.5	63.8	63.2	61.4	60.1	58.2	57.4	55.5	53.5	88
92	61.6	60.0	60.0	58.4	57.8	56.0	54.6	52.8	52.0	50.1	48.2	92
96	56.5	55.0	55.0	53.4	52.8	51.0	49.6	47.8	47.0	45.1	43.2	96
100	51.8	50.3	50.4	48.7	48.1	46.4	45.1	43.2	42.4	40.6	38.7	100
104		46.0	46.1	44.4	43.9	42.1	40.8	39.0	38.2	36.3	34.4	104
108		41.9	42.1	40.5	39.9	38.2	36.9	35.1	34.2	32.4	30.5	108
112			38.3	36.7	36.2	34.5	33.2	31.4	30.6	28.7	26.9	112
116				33.2	32.7	31.0	29.7	28.0	27.2	25.2	23.2	116
120					29.4	27.8	26.4	24.5	23.7	21.7	19.6	120
124					26.1	24.4	23.0	21.1	20.3	18.3	16.3	124
128						21.1	19.8	18.0	17.2	15.2	13.2	128
132							16.8	15.0	14.2	12.3	10.2	132
136								12.1	11.4	9.5	7.5	136
140									8.7	6.8	4.8	140
144									6.2	4.3	2.3	144
148										1.9		148

Unit: t

HEDB_7 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HEDB_7 configurations;
8. Note: To connect to the boom top, two kinds of eagle tip are available. The 270t eagle tip is offered optionally for this load chart, with the max. lifting capacity of 270t. And the lifting capacity shall not exceed 240t if the standard 240t eagle tip is configured;
9. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HEDB_7 Configuration 4/4

Boom length 111~171m, Superlift Radius 22m, Superlift CWT 440t, Rear CWT 230t, Carbody CWT 80t

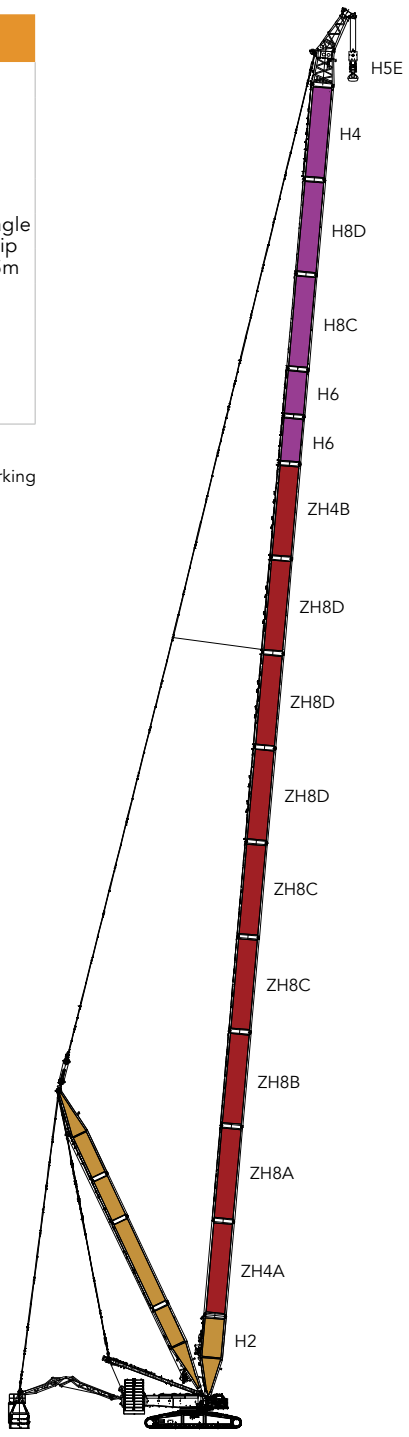
Radius(m)	111	117	123	129	135	141	147	153	159	165	171	Radius(m)
15	270*											15
16	270*	270*	270*									16
17	270*	270*	270*	253*	225*							17
18	270*	270*	270*	253*	225*	203*						18
19	270*	270*	270*	253*	226*	203*	182*	165*				19
20	270*	270*	270*	254*	226*	203*	183*	165*	144*	129*		20
22	270*	270*	270*	254*	226*	203*	184*	166*	143*	128*	114*	22
24	270*	270*	270*	254*	226*	203*	183*	166*	143*	127*	113*	24
26	270*	270*	270*	254*	226*	204*	184*	165*	142*	126*	112*	26
28	270*	270*	270*	255*	227*	204*	184*	164*	141*	125*	111*	28
30	266*	269*	269*	255*	227*	202*	184*	164*	140*	124*	110*	30
32	263*	264*	265*	255*	227*	200*	183*	163*	139*	124*	109*	32
34	257*	259*	260*	255*	226*	199*	182*	162*	138*	123*	109*	34
36	252*	256*	256*	256	225*	198*	181*	161*	137*	122*	108*	36
38	249	251	253	254	223*	196*	180*	160*	136*	121*	107*	38
40	243	248	250	250	221*	194*	179*	159*	135*	120*	106*	40
44	237	240	242	244	217	191*	178*	158*	134*	119*	105*	44
48	230	234	234	233	214	187	176	156*	132*	117*	103*	48
52	213	212	212	210	209	184	174	154	131*	116*	102*	52
56	194	192	192	190	190	180	172	152	129*	114*	101*	56
60	177	175	175	174	173	171	170	150	128	113*	99.6*	60
64	162	161	161	159	158	156	155	149	126	111	98.2*	64
68	149	148	148	146	145	143	142	140	124	110	96.8	68
72	138	136	136	134	134	132	131	129	123	108	95.4	72
76	127	126	126	124	123	122	120	118	118	107	93.9	76
80	118	116	116	115	114	112	111	109	108	105	92.5	80
84	110	108	108	106	106	104	103	101	100	98.5	91.1	84
88	102	100	100	99.2	98.5	96.8	95.4	93.6	92.7	90.8	89.0	88
92	95.3	93.8	93.8	92.1	91.5	89.8	88.4	86.6	85.7	83.9	82.0	92
96	88.8	87.3	87.4	85.7	85.1	83.4	82.0	80.2	79.3	77.5	75.6	96
100	82.8	81.3	81.4	79.8	79.2	77.5	76.1	74.3	73.5	71.6	69.7	100
104		75.8	75.9	74.3	73.7	72.0	70.6	68.8	68.0	66.2	64.3	104
108		70.6	70.8	69.2	68.6	66.9	65.6	63.8	63.0	61.1	59.2	108
112			66.0	64.4	63.9	59.7	60.9	59.1	58.3	56.4	54.6	112
116				59.9	59.4	50.2	56.5	54.7	53.9	52.0	50.2	116
120					55.3	42.3	52.3	50.6	49.8	48.0	46.1	120
124					51.3	32.4	48.5	46.7	45.9	44.1	42.3	124
128						24.2	44.8	43.1	42.3	40.5	38.7	128
132							41.3	39.6	38.9	37.1	35.3	132
136								36.4	35.7	33.9	32.1	136
140									32.6	30.8	29.0	140
144									29.7	27.9	26.1	144
148										25.2	23.4	148
152											20.8	152

HEDB_9 Configuration

Boom combination in HEDB_9

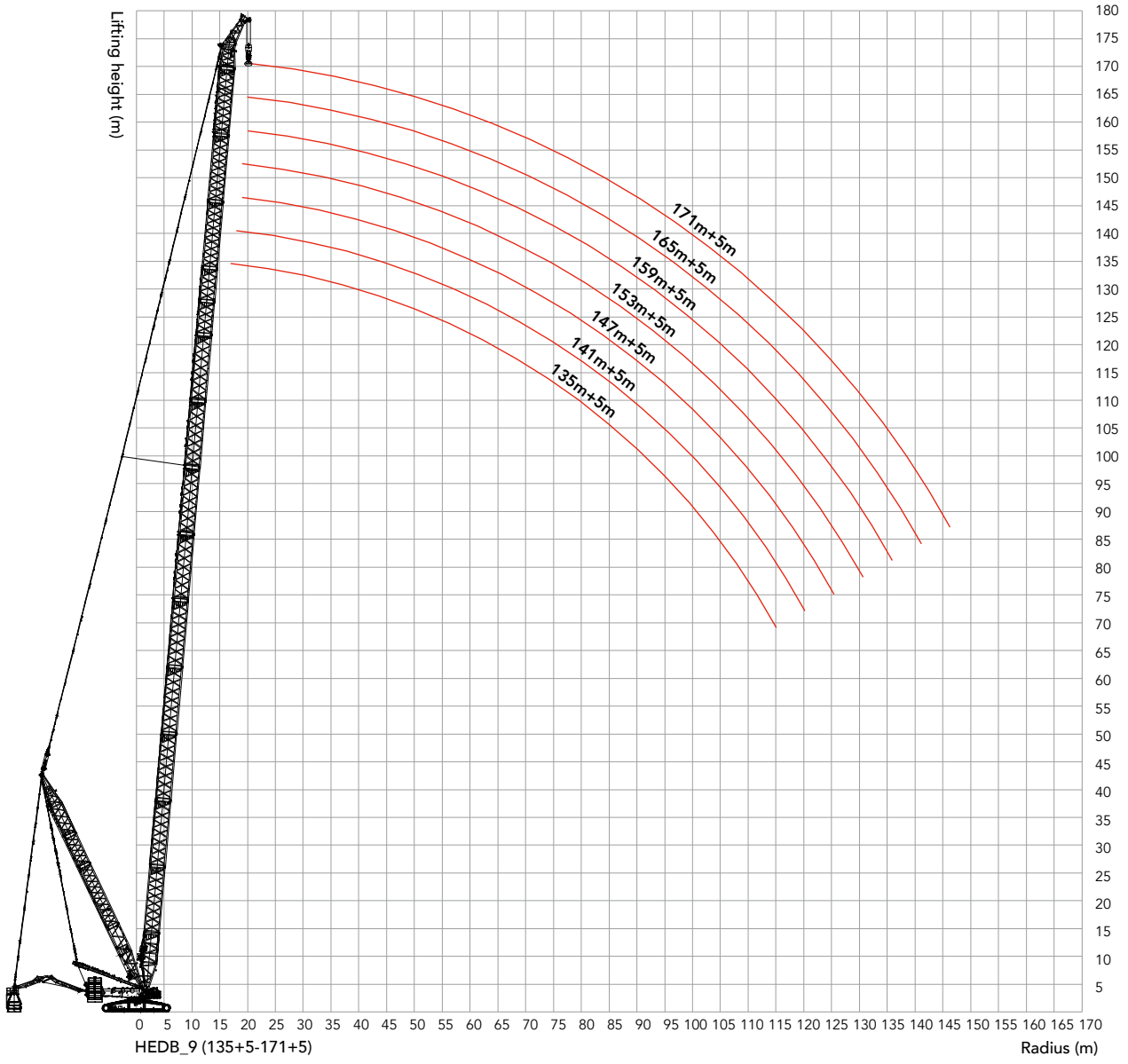
Boom length (m)	Power boom						Boom insert			
	12m lower transition section	12mA	12mB	12mC	12mD	12m upper transition section	6m	12mC	12mD	
135	1	2	2	2	1	1	-	-	-	Eagle tip 5m
141	1	2	2	2	1	1	1	-	-	
147	1	2	2	2	1	1	-	-	1	
153	1	2	2	2	1	1	1	-	1	
159	1	2	2	2	1	1	-	1	1	
165	1	2	2	2	1	1	1	1	1	
171	1	2	2	2	1	1	2	1	1	

Note: The 10.5 m boom base, 12 m boom transition section , are must.
The mid-point suspension cable must be used for the boom length of 135m+5m-171m +5m in this working condition, otherwise, the boom system may be broken.



HEDB_9
(135+5-171+5)

HEDB_9 Working Radius



Unit: t

HEDB_9 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HEDB_9 configurations;
8. Note: To connect to the boom top, two kinds of eagle tip are available. The 270t eagle tip is offered optionally for this load chart, with the max. lifting capacity of 270t. And the lifting capacity shall not exceed 240t if the standard 240t eagle tip is configured.

SCC9000A Crawler Crane — HEDB_9 Configuration 1/4								
Boom length 135~171m, Superlift Radius 16m, Superlift CWT 0t, Rear CWT 230t, Carbody CWT 80t								
Radius(m)	135	141	147	153	159	165	171	Radius(m)
17	192							17
18	181	175						18
19	171	165	162	156				19
20	161	156	153	148	144	139		20
22	139	137	137	132	129	124	120	22
24	120	119	119	117	116	112	107	24
26	105	103	103	102	101	99.6	96.8	26
28	92.4	90.6	90.6	88.8	88.2	86.4	84.5	28
30	81.2	79.4	79.3	77.5	76.8	75.0	73.1	30
32	71.4	69.6	69.5	67.6	67.0	65.1	63.2	32
34	62.9	61.0	60.9	59.0	58.3	56.4	54.5	34
36	55.3	53.4	53.4	51.4	50.7	48.8	46.8	36
38	48.6	46.7	46.6	44.7	43.9	42.0	40.0	38
40	42.6	40.7	40.6	38.6	37.9	35.9	33.9	40
44	32.3	30.3	30.2	28.2	27.4	25.4	23.4	44
48	23.7	21.7	21.6	19.5	18.8	16.7	14.7	48
52	22.2	14.5	14.3	12.3	11.5	9.4	7.4	52
56	15.5	13.6	13.4	6.1	5.3	3.2	1.1	56
60	9.8	7.8	7.7	5.6	4.9			60
64	4.7	2.7	2.6	0.6				64
68	0.3							68

Unit: t

HEDB_9 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HEDB_9 configurations;
8. Note: To connect to the boom top, two kinds of eagle tip are available. The 270t eagle tip is offered optionally for this load chart, with the max. lifting capacity of 270t. And the lifting capacity shall not exceed 240t if the standard 240t eagle tip is configured;
9. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HEDB_9 Configuration 2/4

Boom length 135~171m, Superlift Radius 18m, Superlift CWT 200t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	135	141	147	153	159	165	171	Radius(m)
17	250							17
18	250	226						18
19	250	226	204	186*				19
20	250	227	204	186	166*	151*		20
22	250	227	205	187	167	152	136*	22
24	250	228	206	187	167	152	135	24
26	250	229	207	187	168	151	135	26
28	245	230	208	187	168	150	134	28
30	225	222	208	188	168	150	133	30
32	206	204	203	188	167	149	132	32
34	189	187	187	185	166	148	132	34
36	174	172	172	170	166	147	131	36
38	160	158	158	156	156	147	130	38
40	148	147	146	145	144	142	129	40
44	128	126	126	124	123	121	119	44
48	111	109	109	107	106	104	102	48
52	102	95.2	95.1	93.1	92.4	90.3	88.3	52
56	90.3	88.3	88.2	80.9	80.1	78.1	76.0	56
60	79.3	77.4	77.3	75.3	74.5	67.5	65.4	60
64	69.8	67.8	67.7	65.7	65.0	62.9	60.8	64
68	61.4	59.4	59.3	57.3	56.5	54.5	52.4	68
72	57.7	52.0	51.9	49.8	49.1	47.0	44.9	72
76	50.8	48.8	45.2	43.1	42.4	40.3	38.2	76
80	44.5	42.6	42.5	37.1	36.4	34.3	32.2	80
84	38.9	36.9	36.9	34.9	34.2	28.8	26.7	84
88	33.7	31.8	31.7	29.7	29.0	27.0	21.8	88
92	29.0	27.1	27.0	25.0	24.3	22.3	20.2	92
96	24.6	22.7	22.7	20.7	20.0	18.0	15.9	96
100	20.6	18.7	18.7	16.7	16.0	14.0	11.9	100
104	16.9	15.0	15.0	13.1	12.4	10.3	8.2	104
108	13.5	11.6	11.6	9.6	9.0	6.9	4.8	108
112	10.2	8.4	8.4	6.4	5.8	3.7	1.7	112
116	7.2	5.3	5.4	3.5	2.8	0.8		116
120	4.3	2.5	2.6	0.7				120
124	1.6							124

Unit: t

HEDB_9 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HEDB_9 configurations;
8. Note: To connect to the boom top, two kinds of eagle tip are available. The 270t eagle tip is offered optionally for this load chart, with the max. lifting capacity of 270t. And the lifting capacity shall not exceed 240t if the standard 240t eagle tip is configured;
9. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HEDB_9 Configuration 3/4

Boom length 135~171m, Superlift Radius 20m, Superlift CWT 300t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	135	141	147	153	159	165	171	Radius(m)
17	250*							17
18	250*	226*						18
19	250*	226*	204*	186*				19
20	250*	227*	204*	186*	166*	151*		20
22	250*	227*	205*	187*	167*	152*	136*	22
24	250	228*	206*	187*	167*	152*	135*	24
26	250	229	207*	187*	168*	151*	135*	26
28	250	230	208	187*	168*	150*	134*	28
30	250	231	208	188	168*	150*	133*	30
32	250	231	208	188	167	149*	132*	32
34	250	231	208	188	166	148	132*	34
36	240	231	208	188	166	147	131	36
38	224	222	208	189	165	147	130	38
40	209	208	208	189	164	146	129	40
44	184	182	182	181	162	144	128	44
48	163	162	161	160	159	143	126	48
52	146	144	144	142	141	139	125	52
56	131	129	129	127	126	124	122	56
60	118	116	116	114	113	111	109	60
64	106	104	104	102	102	100	98.4	64
68	96.5	94.7	94.6	92.8	92.1	90.2	88.3	68
72	87.6	85.8	85.7	83.8	83.1	81.3	79.4	72
76	79.6	77.8	77.7	75.8	75.1	73.3	71.4	76
80	72.4	70.6	70.5	68.6	67.9	66.1	64.2	80
84	65.8	64.1	63.9	62.1	61.4	59.5	57.6	84
88	59.9	58.1	58.0	56.2	55.5	53.6	51.4	88
92	54.4	52.7	52.6	50.8	50.1	48.2	46.3	92
96	49.4	47.7	47.6	45.8	45.1	43.2	41.3	96
100	44.8	43.1	43.0	41.2	40.5	38.6	36.8	100
104	40.5	38.8	38.7	36.9	36.3	34.4	32.5	104
108	36.6	34.8	34.8	33.0	32.3	30.5	28.6	108
112	32.8	31.1	31.1	29.3	28.7	26.8	24.8	112
116	29.4	27.6	27.6	25.7	25.0	23.0	21.0	116
120	25.7	24.0	24.1	22.1	21.5	19.5	17.4	120
124	22.3	20.5	20.7	18.8	18.2	16.2	14.1	124
128		17.3	17.5	15.6	15.0	13.0	11.0	128
132			14.5	12.6	12.1	10.1	8.1	132
136				9.8	9.2	7.3	5.3	136
140					6.6	4.6	2.6	140
144					4.0	2.1		144

Unit: t

HEDB_9 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HEDB_9 configurations;
8. Note: To connect to the boom top, two kinds of eagle tip are available. The 270t eagle tip is offered optionally for this load chart, with the max. lifting capacity of 270t. And the lifting capacity shall not exceed 240t if the standard 240t eagle tip is configured;
9. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HEDB_9 Configuration 4/4

Boom length 135~171m, Superlift Radius 22m, Superlift CWT 440t, Rear CWT 230t, Carbody CWT 80t

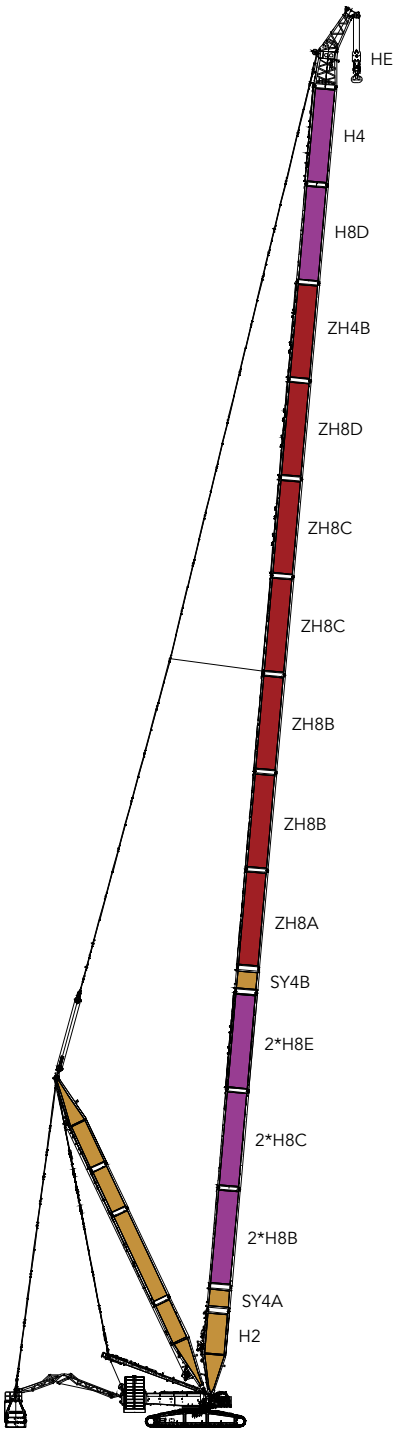
Radius(m)	135	141	147	153	159	165	171	Radius(m)
17	250*							17
18	250*	226*						18
19	250*	226*	204*	186*				19
20	250*	227*	204*	186*	166*	151*		20
22	250*	227*	205*	187*	167*	152*	136*	22
24	250*	228*	206*	187*	167*	152*	135*	24
26	250*	229*	207*	187*	168*	151*	135*	26
28	250*	230*	208*	187*	168*	150*	134*	28
30	250*	231*	208*	188*	168*	150*	133*	30
32	250*	231*	208*	188*	167*	149*	132*	32
34	250*	231*	208*	188*	166*	148*	132*	34
36	257	231*	208*	188*	166*	147*	131*	36
38	255	232*	208*	189*	165*	147*	130*	38
40	251	231	208*	189*	164*	146*	129*	40
44	244	232	209	188	162*	144*	128*	44
48	229	227	209	186	161*	143*	126*	48
52	206	204	204	185	159	141*	125*	52
56	187	185	185	183	158	140	123*	56
60	170	168	168	166	156	138	122	60
64	155	153	153	151	150	137	120	64
68	142	140	140	138	138	135	119	68
72	130	129	129	127	126	124	117	72
76	120	118	118	116	116	114	112	76
80	111	109	109	107	106	105	103	80
84	102	101	101	99.1	98.5	96.6	94.7	84
88	95.2	93.4	93.3	91.5	90.8	88.9	87.0	88
92	88.2	86.4	86.4	84.5	83.8	82.0	80.1	92
96	81.8	80.0	79.9	78.1	77.4	75.6	73.7	96
100	75.9	74.1	74.0	72.2	71.6	69.7	67.8	100
104	70.4	68.6	68.6	66.8	66.1	64.2	62.4	104
108	65.3	63.6	63.5	61.7	61.1	59.2	57.3	108
112	60.5	58.8	58.8	57.0	56.4	54.5	52.6	112
116	56.1	54.4	54.4	52.6	52.0	50.1	48.3	116
120	51.9	50.3	50.3	48.5	47.9	46.0	44.2	120
124	48.0	46.3	46.4	44.6	44.0	42.2	40.3	124
128		42.7	42.7	41.0	40.4	38.6	36.7	128
132			39.3	37.6	37.0	35.2	33.3	132
136				34.3	33.7	31.9	30.1	136
140					30.7	28.9	27.1	140
144					27.7	26.0	24.2	144
148						23.2	21.5	148
152							18.8	152

HEDB_SY3 Configuration

Boom combination in HEDB_SY3

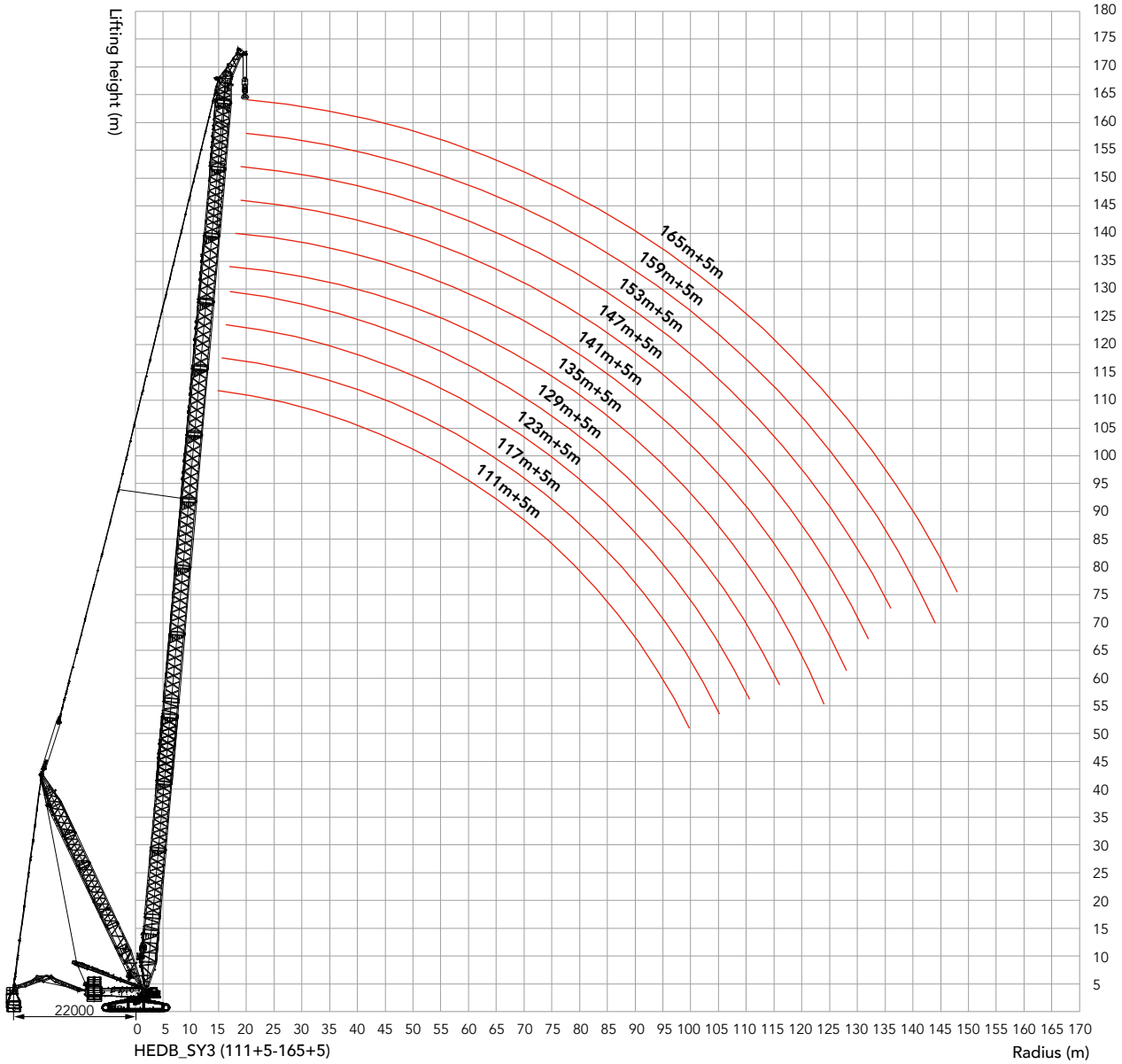
Boom length (m)	Power boom				Boom insert					
	12mA	12mB	12mC	12mD	6m	12mB	12mC	12mE	12mD	
111	1	-	1	-	1	2	2	2	-	Eagle tip 5m
117	1	-	2	-	-	2	2	2	-	
123	1	-	2	-	1	2	2	2	-	
129	1	-	2	1	-	2	2	2	-	
135	1	-	2	1	1	2	2	2	-	
141	1	1	2	1	-	2	2	2	-	
147	1	1	2	1	1	2	2	2	-	
153	1	2	2	1	-	2	2	2	-	
159	1	2	2	1	1	2	2	2	-	
165	1	2	2	1	-	2	2	2	1	
171	1	2	2	1	1	2	2	2	1	

Note: The 10.5 m boom base, 12 m boom transition section ,3m super power boom lowertransition section, 3m super power boom upper transition section and 12m power boom upper transition section are must.
The mid-point suspension cable must be used for the boom length of 129m+5m-165m+5m in this working condition, otherwise, the boom system may be broken.



HEDB_SY3
(111+5-165+5)

HEDB_SY3 Working Radius



Unit: t

HEDB_SY3 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HEDB_SY3 configurations;
8. Note: To connect to the boom top, two kinds of eagle tip are available. The 270t eagle tip is offered optionally for this load chart, with the max. lifting capacity of 270t. And the lifting capacity shall not exceed 240t if the standard 240t eagle tip is configured.

SCC9000A Crawler Crane — HEDB_SY3 Configuration 1/4											
Boom length 111~165m, Superlift Radius 16m, Superlift CWT 0t, Rear CWT 230t, Carbody CWT 80t											
Radius(m)	111	117	123	129	135	141	147	153	159	165	Radius(m)
15	245										15
16	225	221	214								16
17	207	205	201	196	189						17
18	190	188	187	184	178	171					18
19	175	174	172	172	168	161	156	149			19
20	162	160	159	159	157	152	147	140	135	132	20
22	140	138	137	136	135	132	130	125	120	118	22
24	122	120	118	118	116	113	112	108	107	105	24
26	106	104	103	102	101	97.9	96.4	93.0	91.5	91.7	26
28	94.0	91.8	90.4	89.6	88.0	84.7	83.2	79.7	78.2	78.4	28
30	82.9	80.7	79.2	78.3	76.8	73.4	71.8	68.3	66.7	66.9	30
32	73.3	71.0	69.5	68.6	67.0	63.6	62.0	58.4	56.8	57.0	32
34	64.9	62.5	61.0	60.1	58.4	55.0	53.3	49.8	48.1	48.3	34
36	57.4	55.0	53.5	52.5	50.9	47.4	45.7	42.1	40.4	40.6	36
38	50.8	48.3	46.8	45.8	44.1	40.6	38.9	35.3	33.6	33.8	38
40	44.8	42.3	40.8	39.8	38.1	34.6	32.9	29.2	27.5	27.6	40
44	41.4	32.1	30.5	29.5	27.8	24.2	22.4	18.7	17.0	17.1	44
48	32.2	29.7	28.2	20.9	19.2	15.5	13.8	10.0	8.3	8.4	48
52	24.4	21.9	20.4	19.4	17.7	8.3	6.5	2.7	0.9	1.0	52
56	17.8	15.3	13.7	12.7	11.0	7.3	5.6				56
60	16.7	9.5	8.0	6.9	5.2	1.5					60
64	11.2	8.8	2.9	1.9							64
68	6.5	4.0	2.4								68
72	2.2										72

Unit: t

HEDB_SY3 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HEDB_SY3 configurations;
8. Note: To connect to the boom top, two kinds of eagle tip are available. The 270t eagle tip is offered optionally for this load chart, with the max. lifting capacity of 270t. And the lifting capacity shall not exceed 240t if the standard 240t eagle tip is configured.

SCC9000A Crawler Crane — HEDB_SY3 Configuration 2/4

Boom length 111~165m, Superlift Radius 18m, Superlift CWT 200t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	111	117	123	129	135	141	147	153	159	165	Radius(m)
15	270										15
16	270	270	270								16
17	270	270	270	270	250						17
18	270	270	270	270	250	250					18
19	270	270	270	270	250	250	234	213			19
20	270	270	270	270	250	250	234	213	199	181	20
22	270	270	270	270	250	250	235	215	200	182	22
24	270	270	270	270	250	250	237	216	201	182	24
26	270	270	270	267	250	250	238	216	201	182	26
28	248	246	245	244	241	234	229	217	202	183	28
30	226	224	223	222	220	217	212	205	200	183	30
32	207	205	204	203	201	198	196	190	186	183	32
34	190	188	187	186	184	181	179	176	172	170	34
36	175	173	172	171	169	166	164	161	159	158	36
38	162	160	158	157	156	152	151	147	145	146	38
40	150	148	147	146	144	140	139	135	133	134	40
44	137	128	126	125	123	120	118	115	113	113	44
48	119	117	115	108	106	103	101	97.9	96.2	96.3	48
52	105	102	101	100	98.4	89.0	87.3	83.6	81.8	81.9	52
56	92.4	89.9	88.4	87.4	85.7	82.1	80.4	71.3	69.5	69.7	56
60	85.9	79.0	77.5	76.5	74.8	71.1	69.4	65.6	63.9	59.1	60
64	76.2	73.7	67.9	66.9	65.2	61.6	59.8	56.0	54.3	54.4	64
68	67.4	65.0	63.5	58.5	56.8	53.2	51.4	47.6	45.8	46.0	68
72	59.7	57.2	55.7	54.8	53.1	45.7	43.9	40.1	38.3	38.5	72
76	52.7	50.2	48.8	47.9	46.2	42.6	37.2	33.4	31.6	31.8	76
80	46.4	44.0	42.5	41.6	39.9	36.3	34.6	27.4	25.6	25.7	80
84	40.8	38.3	36.8	35.9	34.3	30.6	28.9	25.1	23.4	20.3	84
88	35.6	33.1	31.6	30.7	29.1	25.5	23.7	20.0	18.2	18.4	88
92	30.8	28.3	26.9	26.0	24.4	20.7	19.0	15.2	13.5	13.7	92
96	26.3	23.9	22.5	21.7	20.0	16.4	14.7	10.9	9.2	9.3	96
100	22.2	19.8	18.5	17.6	16.0	12.4	10.7	6.9	5.2	5.4	100
104		16.0	14.7	13.9	12.3	8.7	7.0	3.2	1.5	1.7	104
108		12.4	11.2	10.4	8.8	5.2	3.6				108
112			7.8	7.1	5.6	2.0	0.3				112
116				4.0	2.5						116

Unit: t

HEDB_SY3 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HEDB_SY3 configurations;
8. Note: To connect to the boom top, two kinds of eagle tip are available. The 270t eagle tip is offered optionally for this load chart, with the max. lifting capacity of 270t. And the lifting capacity shall not exceed 240t if the standard 240t eagle tip is configured;
9. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HEDB_SY3 Configuration 3/4

Boom length 111~165m, Superlift Radius 20m, Superlift CWT 300t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	111	117	123	129	135	141	147	153	159	165	Radius(m)
15	270*										15
16	270*	270*	270*								16
17	270*	270*	270*	270*	250*						17
18	270*	270*	270*	270*	250*	250*					18
19	270*	270*	270*	270*	250*	250*	234*	213*			19
20	270*	270*	270*	270*	250*	250*	234*	213*	199*	181*	20
22	270*	270*	270*	270*	250*	250*	235*	215*	200*	182*	22
24	270	270	270	270	250	250	237*	216*	201*	182*	24
26	270	270	270	270	250	250	238	216	201*	182*	26
28	270	270	270	270	250	250	238	217	202	183*	28
30	268	270	270	270	250	250	239	217	202	183	30
32	264	267	268	266	250	250	238	217	202	183	32
34	258	258	257	256	250	250	239	218	203	183	34
36	242	240	239	238	236	233	231	218	203	182	36
38	226	224	222	221	220	217	215	212	203	181	38
40	211	209	208	207	205	202	201	197	196	180	40
44	186	184	183	182	180	177	175	172	170	170	44
48	165	163	162	161	159	156	154	151	149	150	48
52	148	145	144	143	142	138	137	133	132	132	52
56	133	130	129	128	126	123	122	118	116	116	56
60	120	117	116	115	113	110	109	105	104	103	60
64	108	106	104	104	102	99.2	97.6	94.2	92.6	92.6	64
68	98.6	96.3	94.9	93.9	92.4	89.1	87.5	84.1	82.5	82.6	68
72	89.6	87.3	85.9	85.0	83.4	80.2	78.6	75.2	73.5	73.6	72
76	81.6	79.3	77.9	77.0	75.4	72.1	70.6	67.1	65.5	65.6	76
80	74.4	72.0	70.7	69.8	68.2	64.9	63.3	59.9	58.2	58.3	80
84	67.8	65.5	64.1	63.2	61.7	58.4	56.8	53.4	51.8	51.3	84
88	61.8	59.5	58.1	57.3	55.7	52.5	50.9	47.5	45.8	45.9	88
92	56.3	54.0	52.7	51.8	50.3	47.0	45.4	42.0	40.4	40.5	92
96	51.2	49.0	47.6	46.8	45.3	42.0	40.4	37.0	35.4	35.5	96
100	46.5	44.3	43.0	42.2	40.7	37.4	35.8	32.4	30.8	30.9	100
104		39.9	38.7	37.9	36.4	33.1	31.6	28.1	26.4	26.6	104
108		35.9	34.6	33.9	32.4	29.1	27.5	23.7	22.0	22.2	108
112			30.8	30.1	28.6	25.0	23.4	19.6	17.9	18.2	112
116				26.2	24.7	21.2	19.6	15.8	14.1	14.4	116
120					21.1	17.6	16.0	12.2	10.6	10.8	120
124					17.6	14.2	12.6	8.9	7.2	7.5	124
128						10.9	9.4	5.7	4.1	4.3	128
132							6.4	2.7	1.1	1.4	132

Unit: t

HEDB_SY3 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HEDB_SY3 configurations;
8. Note: To connect to the boom top, two kinds of eagle tip are available. The 270t eagle tip is offered optionally for this load chart, with the max. lifting capacity of 270t. And the lifting capacity shall not exceed 240t if the standard 240t eagle tip is configured;
9. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HEDB_SY3 Configuration 4/4

Boom length 111~165m, Superlift Radius 22m, Superlift CWT 440t, Rear CWT 230t, Carbody CWT 80t

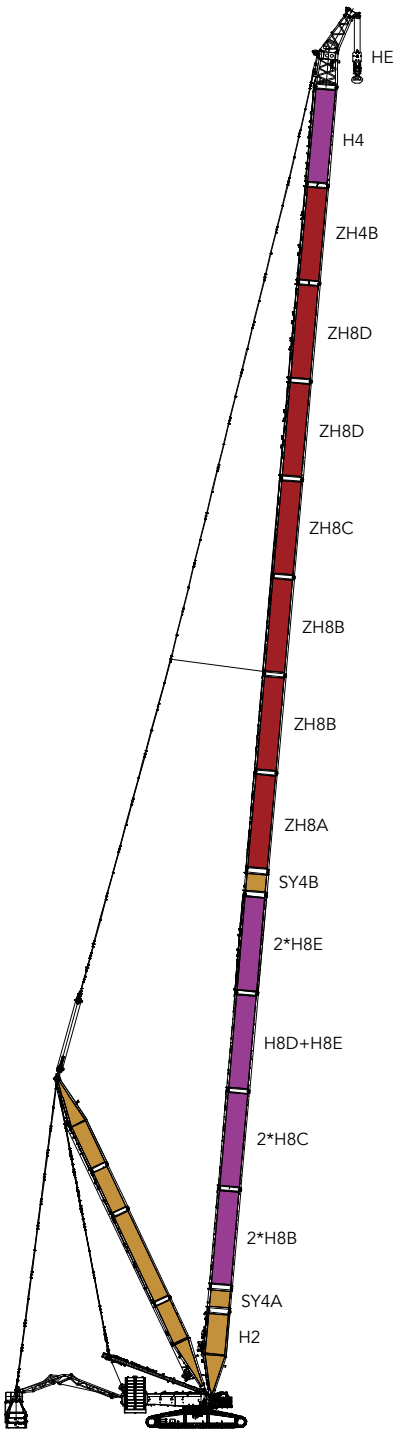
Radius(m)	111	117	123	129	135	141	147	153	159	165	Radius(m)
15	270*										15
16	270*	270*	270*								16
17	270*	270*	270*	270*	250*						17
18	270*	270*	270*	270*	250*	250*					18
19	270*	270*	270*	270*	250*	250*	234*	213*			19
20	270*	270*	270*	270*	250*	250*	234*	213*	199*	181*	20
22	270*	270*	270*	270*	250*	250*	235*	215*	200*	182*	22
24	270*	270*	270*	270*	250*	250*	237*	216*	201*	182*	24
26	270*	270*	270*	270*	250*	250*	238*	216*	201*	182*	26
28	270*	270*	270*	270*	250*	250*	238*	217*	202*	183*	28
30	268*	270*	270*	270*	250*	250*	239*	217*	202*	183*	30
32	264*	267*	268*	266*	250*	250*	238*	217*	202*	183*	32
34	258*	261*	265*	261*	250*	250*	239*	218*	203*	183*	34
36	254	258	262	258	260	250	239*	218*	203*	182*	36
38	251	255	256	254	256	250	240	219*	203*	181*	38
40	247	249	253	249	252	250	240	218	202*	180*	40
44	239	242	246	243	246	248	241	217	201	179	44
48	231	228	227	226	225	221	220	215	199	176	48
52	208	206	204	203	202	199	197	194	192	174	52
56	189	186	185	184	182	179	178	174	173	172	56
60	172	169	168	167	166	162	161	157	156	156	60
64	157	155	153	152	151	148	146	143	141	141	64
68	144	142	140	139	138	135	133	130	128	128	68
72	132	130	129	128	126	123	121	118	116	116	72
76	122	120	118	118	116	113	111	108	106	106	76
80	113	110	109	108	107	103	102	98.8	97.2	97.3	80
84	104	102	101	100	98.7	95.4	93.8	90.4	88.8	88.9	84
88	97.1	94.8	93.5	92.6	91.1	87.8	86.2	82.8	81.2	81.3	88
92	90.1	87.8	86.4	85.6	84.1	80.8	79.2	75.8	74.2	74.3	92
96	83.6	81.3	80.0	79.2	77.6	74.4	72.8	69.4	67.8	67.9	96
100	77.5	75.3	74.0	73.2	71.7	68.4	66.9	63.5	61.9	62.0	100
104		69.8	68.5	67.7	66.2	63.0	61.4	58.0	56.4	56.5	104
108		64.6	63.4	62.6	61.1	57.9	56.4	53.0	51.4	51.5	108
112			58.6	57.8	56.4	53.2	51.6	48.2	46.7	46.8	112
116				53.4	51.9	48.7	47.2	43.8	42.3	42.4	116
120					47.8	44.6	43.1	39.7	38.2	38.3	120
124					43.8	40.7	39.2	35.8	34.3	34.5	124
128						37.0	35.5	32.2	30.7	30.8	128
132							32.1	28.8	27.2	27.4	132
136								25.5	24.0	24.2	136
140									20.9	21.2	140
144									18.0	18.3	144
148										15.5	148

HEDB_SY4 Configuration

Boom combination in HEDB_SY4

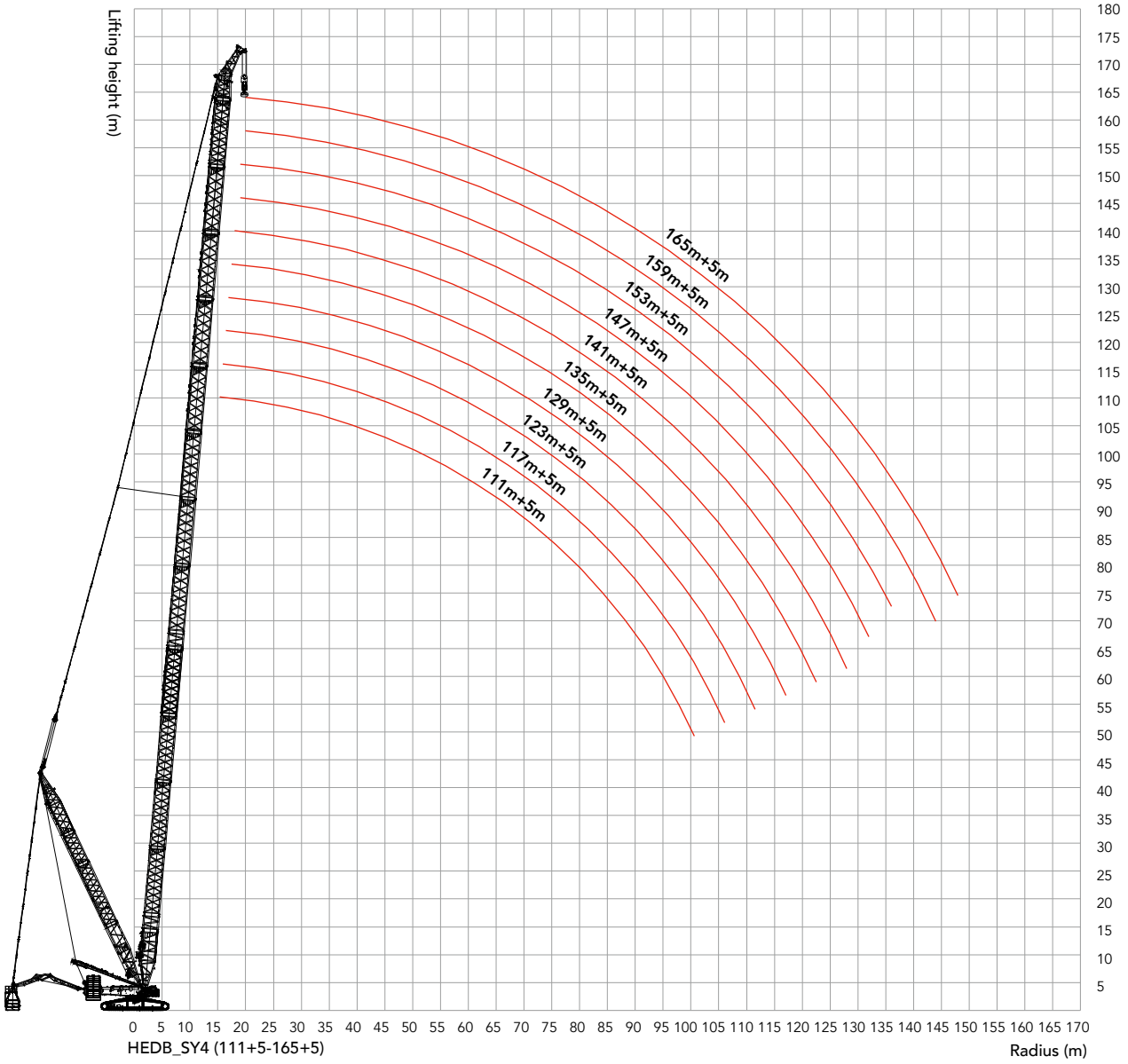
Boom length (m)	Power boom				Boom insert					
	12mA	12mB	12mC	12mD	6m	12mB	12mC	12mD	12mE	
111	1	-	-	-	1	2	2	1	3	Eagle tip 5m
117	1	-	1	-	-	2	2	1	3	
123	1	-	1	-	1	2	2	1	3	
129	1	-	2	-	-	2	2	1	3	
135	1	-	2	-	1	2	2	1	3	
141	1	-	2	1	-	2	2	1	3	
147	1	-	2	1	1	2	2	1	3	
153	1	1	2	1	-	2	2	1	3	
159	1	1	2	1	1	2	2	1	3	
165	1	2	2	1	-	2	2	1	3	

Note: The 10.5 m boom base, 12 m boom transition section ,3m super power boom lower transition section, 3m super power boom upper transition section and 12m power boom upper transition section are must.
The mid-point suspension cable must be used for the boom length of 141m+5m-165m+5m in this working condition, otherwise, the boom system may be broken.



HEDB_SY4
(111+5-165+5)

HEDB_SY4 Working Radius



Unit: t

HEDB_SY4 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HEDB_SY4 configurations;
8. Note: To connect to the boom top, two kinds of eagle tip are available. The 270t eagle tip is offered optionally for this load chart, with the max. lifting capacity of 270t. And the lifting capacity shall not exceed 240t if the standard 240t eagle tip is configured.

SCC9000A Crawler Crane — HEDB_SY4 Configuration 1/4											
Boom length 111~165m, Superlift Radius 16m, Superlift CWT 0t, Rear CWT 230t, Carbody CWT 80t											
Radius(m)	111	117	123	129	135	141	147	153	159	165	Radius(m)
15	243										15
16	223	220	213								16
17	204	204	200	193	187						17
18	188	187	186	181	176	171					18
19	173	172	171	169	165	161	155	149			19
20	160	159	158	156	155	151	146	140	135	129	20
22	138	137	135	133	132	131	130	124	120	114	22
24	120	118	117	115	113	113	111	108	106	101	24
26	104	103	102	99.7	98.3	97.5	96.0	92.7	91.2	87.7	26
28	91.9	90.4	89.1	86.6	85.2	84.3	82.8	79.4	77.8	74.3	28
30	80.8	79.2	77.8	75.3	73.9	73.0	71.4	68.0	66.4	62.8	30
32	71.2	69.5	68.1	65.6	64.1	63.2	61.6	58.1	56.5	52.9	32
34	62.8	61.0	59.6	57.0	55.5	54.6	53.0	49.4	47.8	44.1	34
36	55.3	53.5	52.1	49.5	47.9	47.0	45.3	41.7	40.1	36.4	36
38	48.7	46.8	45.4	42.7	41.2	40.2	38.6	34.9	33.3	29.5	38
40	42.7	40.8	39.4	36.7	35.2	34.2	32.5	28.8	27.1	23.4	40
44	39.3	30.5	29.0	26.3	24.8	23.8	22.0	18.3	16.6	12.8	44
48	30.1	28.2	26.7	17.8	16.2	15.1	13.4	9.7	7.9	4.1	48
52	22.4	20.4	18.9	16.2	14.6	7.9	6.1	2.3	0.6		52
56	15.8	13.7	12.2	9.5	7.9	6.9	5.2				56
60	14.6	8.0	6.5	3.7	2.1	1.1					60
64	9.2	7.2	1.4								64
68	4.4	2.4	1.0								68

Unit: t

HEDB_SY4 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HEDB_SY4 configurations;
8. Note: To connect to the boom top, two kinds of eagle tip are available. The 270t eagle tip is offered optionally for this load chart, with the max. lifting capacity of 270t. And the lifting capacity shall not exceed 240t if the standard 240t eagle tip is configured.

SCC9000A Crawler Crane — HEDB_SY4 Configuration 2/4

Boom length 111~165m, Superlift Radius 18m, Superlift CWT 200t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	111	117	123	129	135	141	147	153	159	165	Radius(m)
15	270										15
16	270	270	270								16
17	270	270	270	270	250						17
18	270	270	270	270	250	250					18
19	270	270	270	270	250	250	245	220			19
20	270	270	270	270	250	250	246	220	210	196	20
22	270	270	270	270	250	250	247	220	211	197	22
24	270	270	270	270	250	250	248	220	212	197	24
26	270	270	270	264	250	250	247	220	212	197	26
28	246	245	244	241	238	233	228	220	212	198	28
30	224	223	221	219	218	216	211	205	200	193	30
32	205	203	202	200	198	197	196	190	185	179	32
34	188	187	185	183	181	180	179	175	172	166	34
36	173	172	170	168	166	165	164	160	159	154	36
38	160	158	157	154	153	152	150	147	145	141	38
40	148	146	145	142	141	140	138	135	133	129	40
44	135	126	125	122	120	119	118	114	112	109	44
48	117	115	114	105	103	102	101	97.5	95.8	92.0	48
52	103	101	99.6	96.9	95.4	88.6	86.9	83.2	81.4	77.6	52
56	90.4	88.4	86.9	84.2	82.7	81.7	80.0	70.9	69.2	65.3	56
60	84.0	77.4	76.0	73.3	71.7	70.7	69.0	65.3	63.5	54.7	60
64	74.1	72.1	66.4	63.7	62.2	61.2	59.4	55.7	53.9	50.0	64
68	65.4	63.4	62.0	55.3	53.7	52.7	51.0	47.2	45.5	41.6	68
72	57.6	55.6	54.2	51.6	50.0	45.3	43.5	39.7	38.0	34.0	72
76	50.7	48.7	47.3	44.6	43.1	42.1	36.8	33.0	31.2	27.3	76
80	44.4	42.4	41.0	38.3	36.8	35.9	34.2	27.0	25.2	21.3	80
84	38.8	36.7	35.3	32.7	31.1	30.2	28.5	24.7	23.0	15.8	84
88	33.6	31.5	30.1	27.5	26.0	25.0	23.3	19.6	17.8	13.9	88
92	28.8	26.7	25.4	22.7	21.2	20.3	18.6	14.8	13.1	9.2	92
96	24.4	22.3	21.0	18.4	16.9	16.0	14.3	10.5	8.8	4.9	96
100	20.2	18.2	16.9	14.3	12.9	12.0	10.3	6.5	4.8	0.9	100
104		14.4	13.2	10.6	9.1	8.3	6.6	2.8	1.1		104
108		10.8	9.6	7.1	5.7	4.8	3.1				108
112			6.3	3.8	2.4	1.6					112
116				0.7							116

Unit: t

HEDB_SY4 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HEDB_SY4 configurations;
8. Note: To connect to the boom top, two kinds of eagle tip are available. The 270t eagle tip is offered optionally for this load chart, with the max. lifting capacity of 270t. And the lifting capacity shall not exceed 240t if the standard 240t eagle tip is configured;
9. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HEDB_SY4 Configuration 3/4

Boom length 111~165m, Superlift Radius 20m, Superlift CWT 300t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	111	117	123	129	135	141	147	153	159	165	Radius(m)
15	270*										15
16	270*	270*	270*								16
17	270*	270*	270*	270*	250*						17
18	270*	270*	270*	270*	250*	250*					18
19	270*	270*	270*	270*	250*	250*	245*	220*			19
20	270*	270*	270*	270*	250*	250*	246*	220*	210*	196*	20
22	270*	270*	270*	270*	250*	250*	247*	220*	211*	197*	22
24	270	270	270	270	250	250	248	220*	212*	197*	24
26	270	270	270	270	250	250	249	220	212	197*	26
28	270	270	270	270	250	250	250	220	212	198	28
30	268	270	270	270	250	250	250	220	213	198	30
32	265	268	269	269	250	250	250	220	212	199	32
34	259	257	256	253	250	250	249	220	213	199	34
36	240	239	237	235	234	233	231	220	213	199	36
38	224	222	221	219	217	216	215	212	210	198	38
40	210	208	206	204	203	202	200	197	195	192	40
44	184	183	181	179	177	177	175	172	170	167	44
48	164	162	160	158	157	156	154	151	149	146	48
52	146	144	143	140	139	138	136	133	131	128	52
56	131	129	128	125	124	123	121	118	116	112	56
60	118	116	115	112	111	110	108	105	103	98.6	60
64	106	104	103	101	99.7	98.8	97.2	93.8	92.3	88.8	64
68	96.8	94.9	93.5	91.1	89.7	88.7	87.2	83.8	82.2	78.7	68
72	87.8	85.9	84.6	82.1	80.7	79.8	78.2	74.8	73.2	69.7	72
76	79.8	77.9	76.6	74.1	72.7	71.8	70.2	66.8	65.2	61.7	76
80	72.6	70.6	69.3	66.9	65.5	64.6	63.0	59.6	57.8	53.9	80
84	66.0	64.1	62.8	60.3	58.9	58.0	56.5	53.1	51.5	46.8	84
88	60.0	58.1	56.8	54.4	53.0	52.1	50.5	47.1	45.5	42.0	88
92	54.5	52.6	51.3	48.9	47.5	46.6	45.1	41.7	40.1	36.6	92
96	49.4	47.5	46.3	43.9	42.5	41.6	40.1	36.7	35.1	31.6	96
100	44.7	42.9	41.6	39.3	37.9	37.0	35.5	32.1	30.5	26.8	100
104		38.5	37.3	35.0	33.6	32.8	31.2	27.7	26.0	22.1	104
108		34.4	33.3	31.0	29.6	28.7	27.1	23.3	21.6	17.7	108
112			29.3	26.8	25.4	24.6	23.0	19.2	17.5	13.6	112
116				22.9	21.6	20.8	19.2	15.4	13.7	9.9	116
120					17.9	17.2	15.6	11.9	10.2	6.3	120
124					14.5	13.7	12.2	8.5	6.8	3.0	124
128						10.5	9.0	5.3	3.7		128
132							6.0	2.3	0.7		132

Unit: t

HEDB_SY4 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HEDB_SY4 configurations;
8. Note: To connect to the boom top, two kinds of eagle tip are available. The 270t eagle tip is offered optionally for this load chart, with the max. lifting capacity of 270t. And the lifting capacity shall not exceed 240t if the standard 240t eagle tip is configured;
9. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HEDB_SY4 Configuration 4/4

Boom length 111~165m, Superlift Radius 22m, Superlift CWT 440t, Rear CWT 230t, Carbody CWT 80t

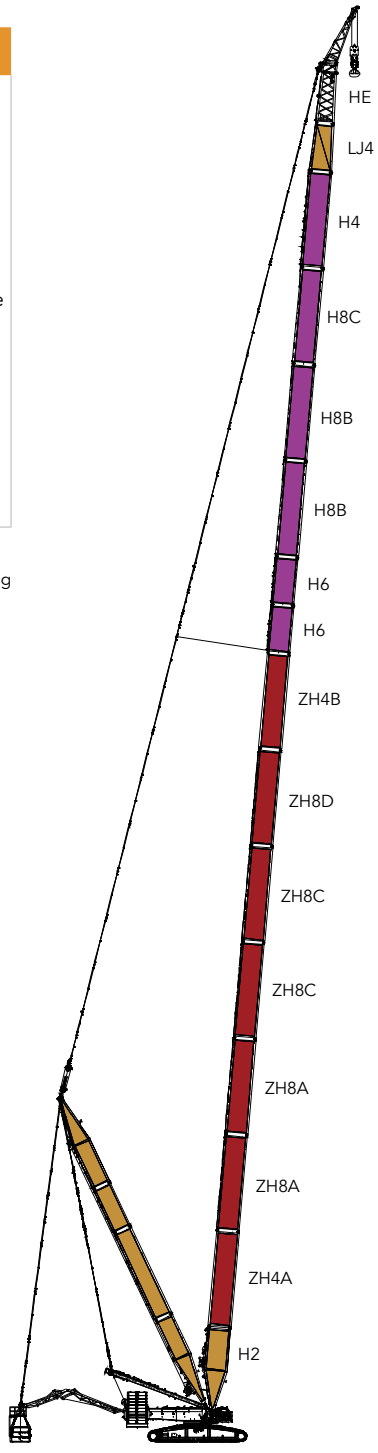
Radius(m)	111	117	123	129	135	141	147	153	159	165	Radius(m)
15	270*										15
16	270*	270*	270*								16
17	270*	270*	270*	270*	250*						17
18	270*	270*	270*	270*	250*	250*					18
19	270*	270*	270*	270*	250*	250*	245*	220*			19
20	270*	270*	270*	270*	250*	250*	246*	220*	210*	196*	20
22	270*	270*	270*	270*	250*	250*	247*	220*	211*	197*	22
24	270*	270*	270*	270*	250*	250*	248*	220*	212*	197*	24
26	270*	270*	270*	270*	250*	250*	249*	220*	212*	197*	26
28	270*	270*	270*	270*	250*	250*	250*	220*	212*	198*	28
30	268*	270*	270*	270*	250*	250*	250*	220*	213*	198*	30
32	265*	268*	269*	269*	250*	250*	250*	220*	212*	199*	32
34	259*	263*	266*	264*	250*	250*	250*	220*	213*	199*	34
36	256	258	260	259	261	250	250	220*	213*	199*	36
38	251	254	257	254	259	250	250	220*	213*	198*	38
40	247	251	254	251	254	250	250	220	214	199*	40
44	239	243	246	243	247	247	247	220	214	197	44
48	229	227	226	223	222	221	219	216	213	197	48
52	206	204	203	201	199	198	197	193	192	188	52
56	187	185	184	181	180	179	177	174	172	169	56
60	170	168	167	164	163	162	160	157	155	152	60
64	155	153	152	150	148	147	146	142	141	137	64
68	142	140	139	137	135	134	133	129	128	124	68
72	131	129	127	125	124	123	121	118	116	113	72
76	120	118	117	115	113	112	111	107	106	102	76
80	111	109	108	105	104	103	101	98.5	96.9	93.4	80
84	103	101	99.8	97.4	96.0	95.1	93.5	90.1	88.5	85.0	84
88	95.3	93.4	92.1	89.7	88.3	87.4	85.8	82.4	80.8	77.3	88
92	88.3	86.4	85.1	82.7	81.3	80.4	78.9	75.5	73.9	70.3	92
96	81.8	79.9	78.6	76.3	74.9	74.0	72.4	69.0	67.5	63.9	96
100	75.8	73.9	72.7	70.3	68.9	68.1	66.5	63.1	61.6	58.0	100
104		68.3	67.2	64.8	63.5	62.6	61.1	57.7	56.1	52.6	104
108		63.2	62.0	59.7	58.4	57.5	56.0	52.6	51.0	47.5	108
112			57.2	54.9	53.6	52.8	51.3	47.9	46.3	42.8	112
116				50.4	49.1	48.4	46.9	43.5	41.9	38.4	116
120					45.0	44.2	42.7	39.4	37.8	34.3	120
124					41.0	40.3	38.8	35.5	34.0	30.5	124
128						36.6	35.2	31.8	30.3	26.9	128
132							31.7	28.4	26.9	23.4	132
136								25.1	23.7	20.2	136
140									20.6	17.2	140
144									17.7	14.2	144
148										11.5	148

HJHEDB_7 Configuration

Boom combination in HJHEDB_7

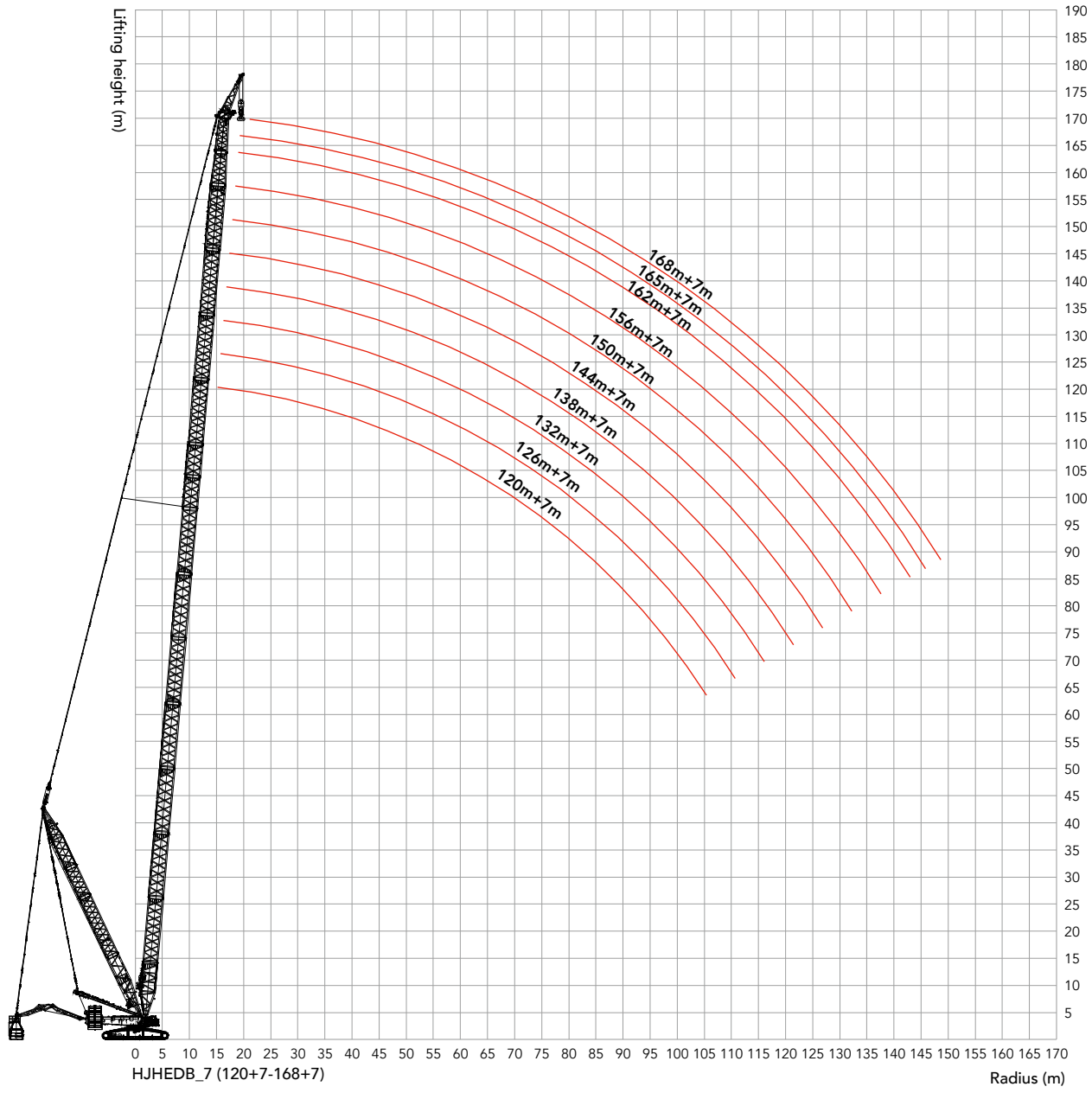
Boom length (m)	Power boom					Boom insert				
	12m lower transition section	12mA	12mC	12mD	12m upper transition section	3m	6m	12mB	12mC	
120	1	2	2	1	1	-	-	-	-	Eagle tip 7m
126	1	2	2	1	1	-	1	-	-	
132	1	2	2	1	1	-	-	1	-	
138	1	2	2	1	1	-	1	1	-	
144	1	2	2	1	1	-	-	2	-	
150	1	2	2	1	1	-	1	2	-	
156	1	2	2	1	1	-	-	2	1	
162	1	2	2	1	1	-	1	2	1	
165	1	2	2	1	1	1	1	2	1	
168	1	2	2	1	1	-	2	2	1	

Note: The 10.5 m boom base, 12 m boom transition section and 6m jib tapered insert are must.
The mid-point suspension cable must be used for the boom length of 144m+7m-168m+7m in this working condition, otherwise, the boom system may be broken.



HJHEDB_7
(120+7-168+7)

HJHEDB_7 Working Radius



Unit: t

HJHEDB_7 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJHEDB_7 configurations.

SCC9000A Crawler Crane — HJHEDB_7 Configuration 1/4											
Boom length 120~168m, Superlift Radius 16m, Superlift CWT 0t, Rear CWT 230t, Carbody CWT 80t											
Radius(m)	120	126	132	138	144	150	156	162	165	168	Radius(m)
16	180	181									16
17	178	179	180	179							17
18	176	176	177	179	175	170					18
19	174	174	176	171	166	160	153	138			19
20	168	167	166	162	157	152	148	138	130	123	20
22	146	145	143	142	141	137	133	129	126	122	22
24	128	127	125	124	122	120	120	116	114	112	24
26	113	111	110	108	107	105	104	103	101	101	26
28	100	99.0	97.7	95.8	94.4	92.6	91.8	90.0	88.8	88.1	28
30	89.7	87.9	86.6	84.7	83.3	81.4	80.7	78.7	77.6	76.8	30
32	80.2	78.4	77.0	75.1	73.7	71.7	71.0	69.0	67.8	67.1	32
34	71.8	70.0	68.6	66.7	65.2	63.2	62.5	60.5	59.3	58.5	34
36	64.4	62.6	61.2	59.2	57.7	55.8	54.9	53.0	51.7	50.9	36
38	57.9	55.9	54.5	52.6	51.1	49.1	48.3	46.3	45.0	44.2	38
40	52.0	50.0	48.6	46.6	45.1	43.1	42.3	40.2	39.0	38.2	40
44	41.8	39.9	38.4	36.4	34.9	32.8	32.0	29.9	28.7	27.9	44
48	39.6	37.7	30.0	28.0	26.4	24.3	23.5	21.4	20.1	19.3	48
52	31.9	30.0	28.6	26.6	19.3	17.2	16.3	14.2	12.9	12.1	52
56	25.4	23.4	22.0	20.0	18.4	16.4	10.2	8.1	6.8	5.9	56
60	19.7	17.8	16.3	14.3	12.7	10.7	9.8	7.7	1.5	0.6	60
64	19.0	12.8	11.3	9.3	7.8	5.7	4.8	2.7	1.4	0.6	64
68	14.3	12.4	7.0	4.9	3.4	1.3	0.4				68
72	10.1	8.2	6.8	1.0							72
76	6.3	4.4	3.0	1.1							76
80	2.9	1.0									80

Unit: t

HJHEDB_7 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJHEDB_7 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HJHEDB_7 Configuration 2/4

Boom length 120~168m, Superlift Radius 18m, Superlift CWT 200t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	120	126	132	138	144	150	156	162	165	168	Radius(m)
16	180*	181*									16
17	178*	179*	180*	179*							17
18	176*	176*	177*	179*	178*	171*					18
19	174*	174*	176*	177*	177*	171*	153*	138*			19
20	172*	173*	174*	175*	175*	171*	153*	138*	130*	123*	20
22	168	169	171	172	172	171	153	137*	129*	122*	22
24	165	167	168	169	170	170	152	136	128*	121*	24
26	162	163	165	165	167	167	151	135	127	120	26
28	159	161	162	163	164	164	150	134	126	119	28
30	156	157	160	161	161	162	149	133	126	118	30
32	154	155	157	158	158	159	148	132	125	118	32
34	151	153	154	155	156	156	148	132	124	117	34
36	149	150	152	153	154	154	147	131	123	116	36
38	146	148	149	151	151	151	146	130	122	116	38
40	144	145	147	149	149	149	145	129	122	115	40
44	137	135	134	132	131	129	128	126	120	113	44
48	127	125	117	115	114	112	111	109	108	107	48
52	112	110	109	107	100	98.0	97.1	95.1	93.8	93.0	52
56	100	98.1	96.7	94.7	93.2	91.2	85.0	82.9	81.7	80.8	56
60	89.2	87.3	85.9	83.9	82.3	80.3	79.5	77.4	71.2	70.3	60
64	83.5	77.8	76.4	74.4	72.9	70.8	70.0	67.9	66.6	65.8	64
68	75.3	73.5	68.0	66.1	64.5	62.5	61.6	59.5	58.2	57.4	68
72	67.6	65.8	64.4	58.6	57.1	55.0	54.2	52.1	50.8	50.0	72
76	60.7	58.9	57.5	55.6	54.1	48.4	47.6	45.5	44.2	43.3	76
80	54.5	52.7	51.3	49.3	47.9	45.8	41.6	39.5	38.2	37.4	80
84	48.9	47.0	45.7	43.7	42.2	40.2	39.4	34.1	32.8	32.0	84
88	43.7	41.9	40.6	38.6	37.1	35.1	34.3	32.2	31.0	30.1	88
92	39.0	37.2	35.9	33.9	32.5	30.4	29.6	27.6	26.3	25.5	92
96	34.7	32.9	31.6	29.6	28.2	26.2	25.4	23.3	22.0	21.2	96
100	30.6	28.9	27.6	25.7	24.2	22.2	21.4	19.4	18.1	17.3	100
104	26.9	25.2	23.9	22.0	20.5	18.5	17.8	15.7	14.4	13.6	104
108	23.4	21.7	20.4	18.6	17.1	15.1	14.4	12.3	11.1	10.2	108
112	20.1	18.4	17.2	15.4	13.9	12.0	11.2	9.2	7.9	7.1	112
116		15.4	14.2	12.4	11.0	9.0	8.3	6.2	5.0	4.1	116
120			11.3	9.5	8.2	6.2	5.5	3.5	2.2	1.4	120
124				6.9	5.5	3.6	2.9	0.9			124
128				4.3	3.0	1.1	0.4				128
132					0.6						132

Unit: t

HJHEDB_7 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJHEDB_7 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HJHEDB_7 Configuration 3/4

Boom length 120~168m, Superlift Radius 20m, Superlift CWT 300t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	120	126	132	138	144	150	156	162	165	168	Radius(m)
16	180*	181*									16
17	178*	179*	180*	179*							17
18	176*	176*	177*	179*	178*	171*					18
19	174*	174*	176*	177*	177*	171*	153*	138*			19
20	172*	173*	174*	175*	175*	171*	153*	138*	130*	123*	20
22	168*	169*	171*	172*	172*	171*	153*	137*	129*	122*	22
24	165*	167*	168*	169*	170*	170*	152*	136*	128*	121*	24
26	162*	163*	165*	165*	167*	167*	151*	135*	127*	120*	26
28	159*	161*	162*	163*	164*	164*	150*	134*	126*	119*	28
30	156*	157*	160*	161*	161*	162*	149*	133*	126*	118*	30
32	154*	155*	157*	158*	158*	159*	148*	132*	125*	118*	32
34	151*	153*	154*	155	156	156	148*	132*	124*	117*	34
36	149	150	152	153	154	154	147	131*	123*	116*	36
38	146	148	149	151	151	151	146	130	122*	116*	38
40	144	145	147	149	149	149	145	129	122	115	40
44	139	141	142	144	144	145	143	127	120	113	44
48	134	137	139	141	141	141	142	126	119	112	48
52	131	134	135	138	136	137	139	124	117	110	52
56	128	130	131	133	133	131	130	123	116	109	56
60	125	125	123	122	120	118	117	116	114	107	60
64	115	113	112	110	109	107	106	104	103	102	64
68	105	103	102	100	99.2	97.4	96.6	94.7	93.5	92.8	68
72	96.5	94.8	93.5	91.7	90.3	88.5	87.7	85.8	84.6	83.9	72
76	88.5	86.8	85.5	83.8	82.4	80.5	79.7	77.8	76.7	75.9	76
80	81.4	79.6	78.4	76.6	75.2	73.3	72.6	70.7	69.5	68.8	80
84	74.8	73.1	71.9	70.1	68.7	66.9	66.1	64.2	63.0	62.3	84
88	68.9	67.2	66.0	64.2	62.8	60.9	60.2	58.3	57.1	56.4	88
92	63.5	61.8	60.5	58.8	57.4	55.6	54.8	52.9	51.7	51.0	92
96	58.5	56.8	55.6	53.8	52.4	50.6	49.8	48.0	46.8	46.1	96
100	53.8	52.2	51.0	49.2	47.9	46.0	45.3	43.4	42.2	41.5	100
104	49.5	47.9	46.7	45.0	43.6	41.8	41.1	39.2	38.0	37.3	104
108	45.5	43.9	42.8	41.0	39.7	37.9	37.1	35.3	34.1	33.4	108
112	41.8	40.2	39.1	37.3	36.0	34.2	33.5	31.6	30.5	29.7	112
116		36.7	35.6	33.9	32.6	30.8	30.1	28.2	27.1	26.4	116
120			32.3	30.7	29.4	27.6	26.9	25.0	23.7	22.9	120
124				27.6	26.3	24.4	23.7	21.7	20.4	19.6	124
128				24.4	23.1	21.2	20.5	18.5	17.3	16.5	128
132					20.1	18.2	17.6	15.6	14.4	13.6	132
136						15.4	14.8	12.8	11.6	10.8	136
140							12.1	10.2	9.0	8.2	140
144							9.5	7.7	6.4	5.7	144
148								5.2	4.1	3.3	148
152										1.0	152

Unit: t

HJHEDB_7 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJHEDB_7 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HJHEDB_7 Configuration 4/4

Boom length 120~168m, Superlift Radius 22m, Superlift CWT 440t, Rear CWT 230t, Carbody CWT 80t

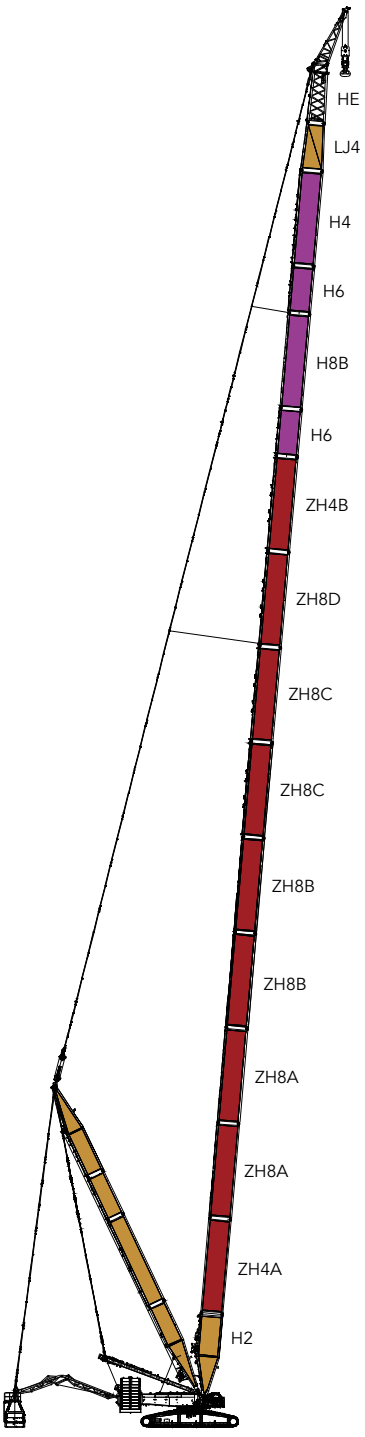
Radius(m)	120	126	132	138	144	150	156	162	165	168	Radius(m)
16	180*	181*									16
17	178*	179*	180*	179*							17
18	176*	176*	177*	179*	178*	171*					18
19	174*	174*	176*	177*	177*	171*	153*	138*			19
20	172*	173*	174*	175*	175*	171*	153*	138*	130*	123*	20
22	168*	169*	171*	172*	172*	171*	153*	137*	129*	122*	22
24	165*	167*	168*	169*	170*	170*	152*	136*	128*	121*	24
26	162*	163*	165*	165*	167*	167*	151*	135*	127*	120*	26
28	159*	161*	162*	163*	164*	164*	150*	134*	126*	119*	28
30	156*	157*	160*	161*	161*	162*	149*	133*	126*	118*	30
32	154*	155*	157*	158*	158*	159*	148*	132*	125*	118*	32
34	151*	153*	154*	155*	156*	156*	148*	132*	124*	117*	34
36	149*	150*	152*	153*	154*	154*	147*	131*	123*	116*	36
38	146*	148*	149*	151*	151*	151*	146*	130*	122*	116*	38
40	144*	145*	147*	149*	149*	149*	145*	129*	122*	115*	40
44	139*	141*	142*	144*	144*	145*	143*	127*	120*	113*	44
48	134*	137*	139*	141*	141*	141*	142*	126*	119*	112*	48
52	131*	134*	135*	138*	136*	137*	139*	124*	117*	110*	52
56	128*	130*	131*	133*	133*	134*	136	123*	116*	109*	56
60	125*	126*	128*	131	130	130	133	122*	114*	107*	60
64	121*	124	125	128	127	127	130	120	113	106*	64
68	118	120	123	125	124	125	127	118	111	105	68
72	116	117	121	122	122	122	124	117	110	103	72
76	113	115	118	120	118	120	120	115	108	102	76
80	111	113	115	115	114	112	111	109	107	100	80
84	109	110	108	107	105	103	103	101	100	99.2	84
88	104	102	101	99.5	98.1	96.3	95.5	93.6	92.5	91.7	88
92	97.2	95.6	94.3	92.5	91.2	89.3	88.6	86.7	85.5	84.8	92
96	90.8	89.2	87.9	86.1	84.8	82.9	82.2	80.3	79.2	78.4	96
100	84.9	83.2	82.0	80.3	78.9	77.1	76.3	74.4	73.3	72.5	100
104	79.4	77.8	76.5	74.8	73.5	71.6	70.9	69.0	67.9	67.1	104
108	74.2	72.7	71.5	69.7	68.4	66.6	65.9	64.0	62.9	62.1	108
112	69.4	67.9	66.7	65.0	63.7	61.9	61.2	59.3	58.2	57.4	112
116		63.4	62.3	60.6	59.3	57.5	56.8	55.0	53.8	53.1	116
120			58.2	56.5	55.2	53.4	52.7	50.9	49.7	49.0	120
124				52.6	51.3	49.6	48.9	47.1	45.9	45.2	124
128				44.7	47.7	46.0	45.3	43.5	42.3	41.6	128
132					44.2	42.5	41.9	40.1	38.9	38.2	132
136						39.3	38.7	36.9	35.7	35.0	136
140							35.6	33.8	32.7	32.0	140
144							32.7	30.9	29.8	29.1	144
148								28.2	27.1	26.4	148
152										23.8	152

HJHEDB_9 Configuration

Boom combination in HJHEDB_9

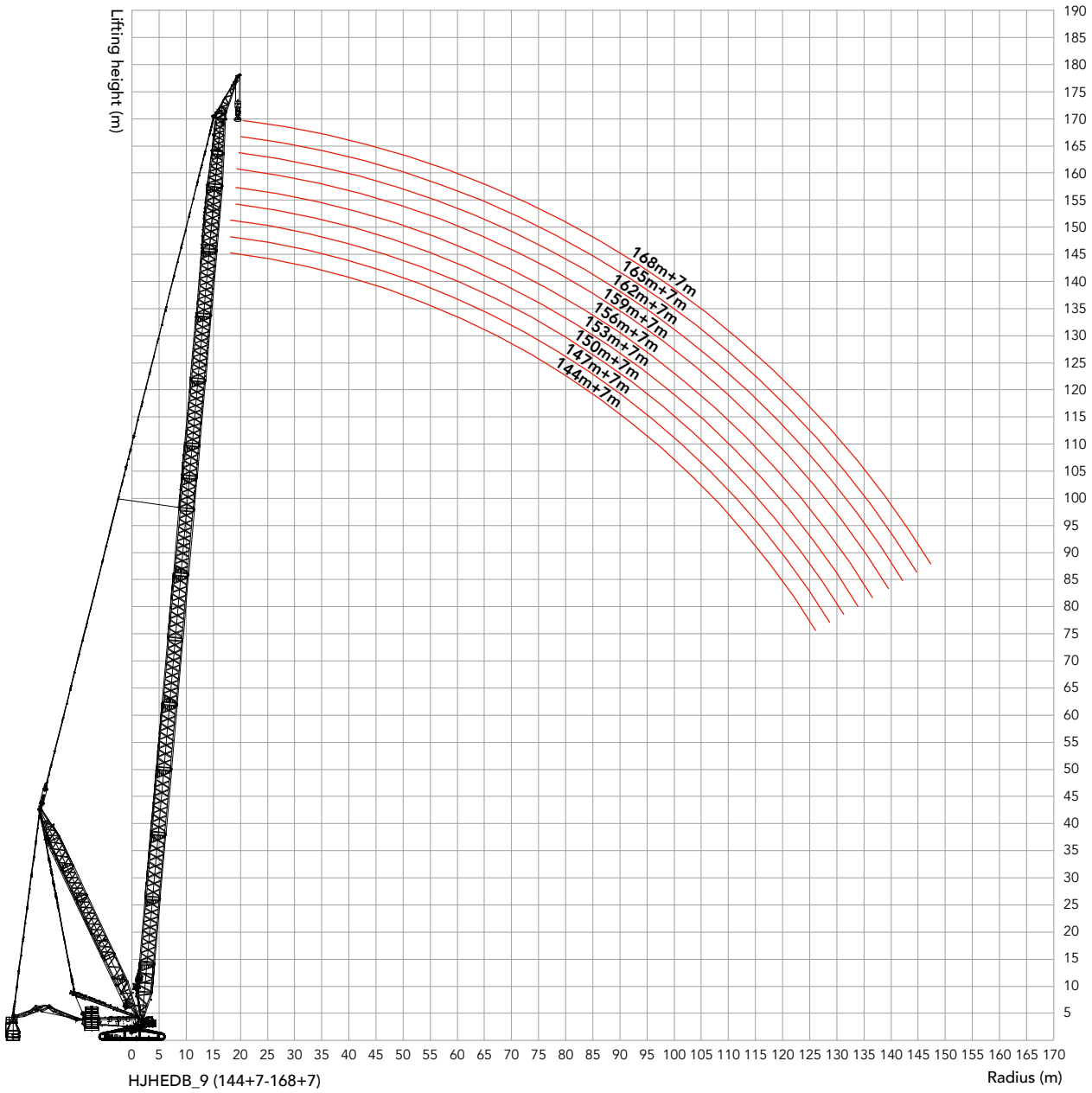
Boom length (m)	Power boom						Boom insert			
	12m lower transition section	12mA	12mB	12mC	12mD	12m upper transition section	3m	6m	12mB	
144	1	2	2	2	1	1	-	-	-	Eagle tip 7m
147	1	2	2	2	1	1	1	-	-	
150	1	2	2	2	1	1	-	1	-	
153	1	2	2	2	1	1	1	1	-	
156	1	2	2	2	1	1	-	-	1	
159	1	2	2	2	1	1	1	-	1	
162	1	2	2	2	1	1	-	1	1	
165	1	2	2	2	1	1	1	1	1	
168	1	2	2	2	1	1	-	2	1	

Note: The 10.5 m boom base, 12 m boom transition section and6m jib tapered insert are must.
The mid-point suspension cable must be used for the boom length of 144m+7m-168m+7m in this working condition, otherwise, the boom system may be broken.



HJHEDB_9
(144+7-168+7)

HJHEDB_9 Working Radius



HJHEDB_9 (144+7-168+7)

Unit: t

HJHEDB_9 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJHEDB_9 configurations.

SCC9000A Crawler Crane — HJHEDB_9 Configuration 1/4										
Boom length 144~168m, Superlift Radius 16m, Superlift CWT 0t, Rear CWT 230t, Carbody CWT 80t										
Radius(m)	144	147	150	153	156	159	162	165	168	Radius(m)
18	172	169	167							18
19	163	160	157	154	153	150	147			19
20	154	151	149	146	144	141	139	137	134	20
22	137	135	133	131	129	127	125	122	120	22
24	118	117	117	116	116	114	112	110	108	24
26	103	102	101	100	100	99.4	98.8	97.6	97.0	26
28	90.5	89.3	88.8	87.6	87.5	86.3	85.7	84.5	83.8	28
30	79.4	78.2	77.6	76.4	76.3	75.0	74.4	73.2	72.6	30
32	69.7	68.5	67.9	66.6	66.5	65.3	64.7	63.5	62.8	32
34	61.2	60.0	59.4	58.1	58.0	56.8	56.1	54.9	54.2	34
36	53.7	52.5	51.8	50.6	50.5	49.2	48.6	47.3	46.6	36
38	47.0	45.8	45.2	43.9	43.8	42.5	41.9	40.6	39.9	38
40	41.1	39.8	39.2	37.9	37.8	36.5	35.8	34.6	33.8	40
44	30.8	29.5	28.9	27.6	27.5	26.2	25.5	24.2	23.5	44
48	22.3	21.0	20.4	19.1	18.9	17.6	16.9	15.6	14.9	48
52	15.1	13.9	13.2	11.9	11.7	10.4	9.7	8.4	7.7	52
56	14.3	13.0	12.4	5.7	5.6	4.3	3.6	2.3	1.5	56
60	8.6	7.3	6.6	5.3	5.2	3.9	3.2			60
64	3.6	2.3	1.6	0.3						64

Unit: t

HJHEDB_9 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJHEDB_9 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HJHEDB_9 Configuration 2/4

Boom length 144~168m, Superlift Radius 18m, Superlift CWT 200t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	144	147	150	153	156	159	162	165	168	Radius(m)
18	179*	179*	180*							18
19	178*	178*	178*	178*	172*	164*	157*			19
20	176	176	176	176	172	164*	157*	149*	142*	20
22	172	173	173	174	172	165	157	150	142*	22
24	170	170	170	170	172	165	158	150	143	24
26	167	167	167	168	169	166	158	150	142	26
28	164	164	165	165	167	166	158	150	142	28
30	162	161	162	162	164	164	158	149	141	30
32	159	159	159	160	161	162	157	148	140	32
34	156	157	156	157	159	159	157	148	139	34
36	154	154	155	155	156	157	156	147	139	36
38	151	152	152	152	154	154	154	146	138	38
40	147	146	145	144	144	142	142	141	137	40
44	127	125	125	123	123	122	121	120	119	44
48	110	108	108	106	106	105	104	103	102	48
52	95.9	94.6	94.0	92.7	92.6	91.2	90.6	89.3	88.6	52
56	89.1	87.8	87.2	80.6	80.4	79.1	78.4	77.1	76.4	56
60	78.2	76.9	76.3	75.0	74.9	73.5	72.9	66.6	65.9	60
64	68.7	67.4	66.8	65.5	65.4	64.0	63.4	62.1	61.3	64
68	60.3	59.1	58.4	57.1	57.0	55.6	55.0	53.7	52.9	68
72	52.9	51.6	51.0	49.7	49.5	48.2	47.5	46.2	45.5	72
76	49.9	45.0	44.3	43.0	42.9	41.6	40.9	39.6	38.8	76
80	43.7	42.4	41.7	37.1	36.9	35.6	34.9	33.6	32.9	80
84	38.0	36.8	36.1	34.8	34.7	33.4	29.5	28.2	27.4	84
88	32.9	31.6	31.0	29.7	29.6	28.3	27.6	26.4	25.6	88
92	28.2	27.0	26.3	25.1	25.0	23.6	23.0	21.7	20.9	92
96	23.9	22.7	22.0	20.8	20.7	19.3	18.7	17.4	16.7	96
100	20.0	18.7	18.1	16.8	16.7	15.4	14.7	13.5	12.7	100
104	16.3	15.0	14.4	13.1	13.1	11.7	11.1	9.8	9.1	104
108	12.9	11.6	11.0	9.7	9.7	8.3	7.7	6.4	5.7	108
112	9.7	8.4	7.8	6.6	6.5	5.2	4.5	3.3	2.5	112
116	6.7	5.5	4.9	3.6	3.5	2.2	1.6	0.3		116
120	3.9	2.7	2.1	0.8	0.8					120
124	1.3									124

Unit: t

HJHEDB_9 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJHEDB_9 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HJHEDB_9 Configuration 3/4

Boom length 144~168m, Superlift Radius 20m, Superlift CWT 300t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	144	147	150	153	156	159	162	165	168	Radius(m)
18	179*	179*	180*							18
19	178*	178*	178*	178*	172*	164*	157*			19
20	176*	176*	176*	176*	172*	164*	157*	149*	142*	20
22	172*	173*	173*	174*	172*	165*	157*	150*	142*	22
24	170*	170*	170*	170*	172*	165*	158*	150*	143*	24
26	167*	167*	167*	168*	169*	166*	158*	150*	142*	26
28	164*	164*	165*	165*	167*	166*	158*	150*	142*	28
30	162*	161*	162*	162*	164*	164*	158*	149*	141*	30
32	159*	159*	159*	160	161	162	157*	148*	140*	32
34	156	157	156	157	159	159	157	148	139*	34
36	154	154	155	155	156	157	156	147	139	36
38	151	152	152	152	154	154	154	146	138	38
40	150	149	150	150	152	152	152	145	137	40
44	145	146	145	146	148	148	149	144	136	44
48	141	141	141	142	144	143	144	142	134	48
52	137	138	137	138	140	140	140	138	133	52
56	129	128	128	127	126	125	125	123	123	56
60	116	115	115	114	113	112	112	110	109	60
64	105	104	103	102	102	101	100	99.5	98.8	64
68	95.5	94.4	93.8	92.6	92.5	91.3	90.6	89.5	88.8	68
72	86.6	85.4	84.8	83.7	83.6	82.4	81.7	80.6	79.9	72
76	78.6	77.5	76.9	75.7	75.6	74.4	73.8	72.6	71.9	76
80	71.5	70.3	69.7	68.5	68.4	67.2	66.6	65.4	64.7	80
84	65.0	63.8	63.2	62.1	61.9	60.7	60.1	58.9	58.3	84
88	59.1	57.9	57.3	56.1	56.0	54.8	54.2	53.0	52.4	88
92	53.6	52.5	51.9	50.7	50.6	49.4	48.8	47.7	47.0	92
96	48.7	47.5	46.9	45.8	45.7	44.5	43.9	42.7	42.0	96
100	44.1	43.0	42.4	41.2	41.1	39.9	39.3	38.1	37.5	100
104	39.9	38.7	38.1	37.0	36.9	35.7	35.1	33.9	33.3	104
108	35.9	34.8	34.2	33.1	33.0	31.8	31.2	30.0	29.3	108
112	32.3	31.1	30.6	29.4	29.3	28.1	27.5	26.3	25.6	112
116	28.8	27.7	27.1	25.8	25.8	24.5	23.8	22.6	21.8	116
120	25.4	24.1	23.6	22.3	22.2	20.9	20.3	19.0	18.3	120
124	22.0	20.8	20.2	19.0	18.9	17.6	17.0	15.7	15.0	124
128	18.8	17.6	17.1	15.8	15.8	14.5	13.9	12.6	11.9	128
132	15.8	14.6	14.1	12.9	12.8	11.6	11.0	9.7	9.0	132
136		11.8	11.2	10.0	10.0	8.8	8.2	6.9	6.2	136
140				7.3	7.3	6.1	5.5	4.3	3.6	140
144					4.8	3.6	3.0	1.8	1.1	144
148							0.6			148

Unit: t

HJHEDB_9 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJHEDB_9 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HJHEDB_9 Configuration 4/4

Boom length 144~168m, Superlift Radius 22m, Superlift CWT 440t, Rear CWT 230t, Carbody CWT 80t

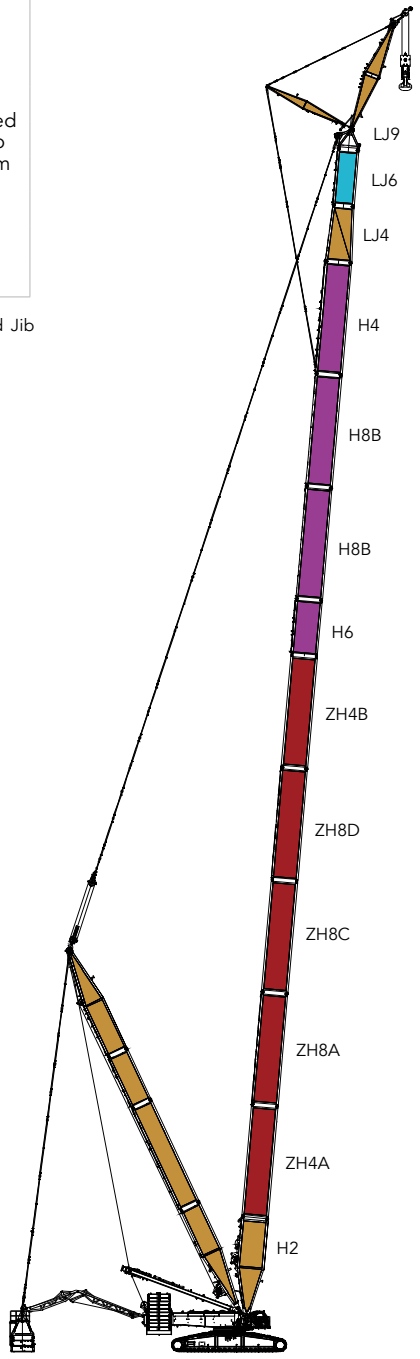
Radius(m)	144	147	150	153	156	159	162	165	168	Radius(m)
18	179*	179*	180*							18
19	178*	178*	178*	178*	172*	164*	157*			19
20	176*	176*	176*	176*	172*	164*	157*	149*	142*	20
22	172*	173*	173*	174*	172*	165*	157*	150*	142*	22
24	170*	170*	170*	170*	172*	165*	158*	150*	143*	24
26	167*	167*	167*	168*	169*	166*	158*	150*	142*	26
28	164*	164*	165*	165*	167*	166*	158*	150*	142*	28
30	162*	161*	162*	162*	164*	164*	158*	149*	141*	30
32	159*	159*	159*	160*	161*	162*	157*	148*	140*	32
34	156*	157*	156*	157*	159*	159*	157*	148*	139*	34
36	154*	154*	155*	155*	156*	157*	156*	147*	139*	36
38	151*	152*	152*	152*	154*	154*	154*	146*	138*	38
40	150*	149*	150*	150*	152*	152*	152*	145*	137*	40
44	145*	146*	145*	146*	148*	148*	149*	144*	136*	44
48	141*	141*	141*	142*	144*	143*	144*	142*	134*	48
52	137*	138*	137*	138*	140*	140*	141*	141*	133*	52
56	134*	134*	134*	135	136	137	137	137	131	56
60	130	130	131	131	133	134	134	134	130	60
64	127	128	128	129	130	131	131	131	128	64
68	125	125	125	126	127	128	128	128	127	68
72	121	123	123	123	125	125	125	123	123	72
76	119	118	117	116	116	115	114	113	112	76
80	110	109	108	107	107	106	105	104	103	80
84	102	100	100	99.1	99.0	97.8	97.2	96.0	95.3	84
88	94.4	93.2	92.6	91.5	91.4	90.2	89.5	88.4	87.7	88
92	87.4	86.3	85.7	84.5	84.4	83.2	82.6	81.4	80.7	92
96	81.0	79.9	79.3	78.1	78.0	76.8	76.2	75.1	74.4	96
100	75.1	74.0	73.4	72.3	72.2	71.0	70.4	69.2	68.5	100
104	69.7	68.6	68.0	66.8	66.7	65.5	64.9	63.8	63.1	104
108	64.7	63.5	62.9	61.8	61.7	60.5	59.9	58.7	58.1	108
112	60.0	58.8	58.2	57.1	57.0	55.8	55.2	54.1	53.4	112
116	55.6	54.4	53.9	52.7	52.6	51.5	50.9	49.7	49.0	116
120	51.4	50.3	49.8	48.6	48.5	47.4	46.8	45.6	45.0	120
124	47.6	46.5	45.9	44.8	44.7	43.5	42.9	41.8	41.1	124
128	43.9	42.8	42.3	41.2	41.1	39.9	39.3	38.2	37.5	128
132	40.5	39.4	38.9	37.7	37.7	36.5	36.0	34.8	34.2	132
136		36.1	35.6	34.5	34.5	33.3	32.7	31.6	31.0	136
140				31.4	31.4	30.2	29.7	28.6	27.9	140
144					28.5	27.3	26.8	25.7	25.1	144
148							24.0	22.9	22.3	148
152									19.7	152

HJFJDB_5 Configuration

Boom combination in HJFJDB_5

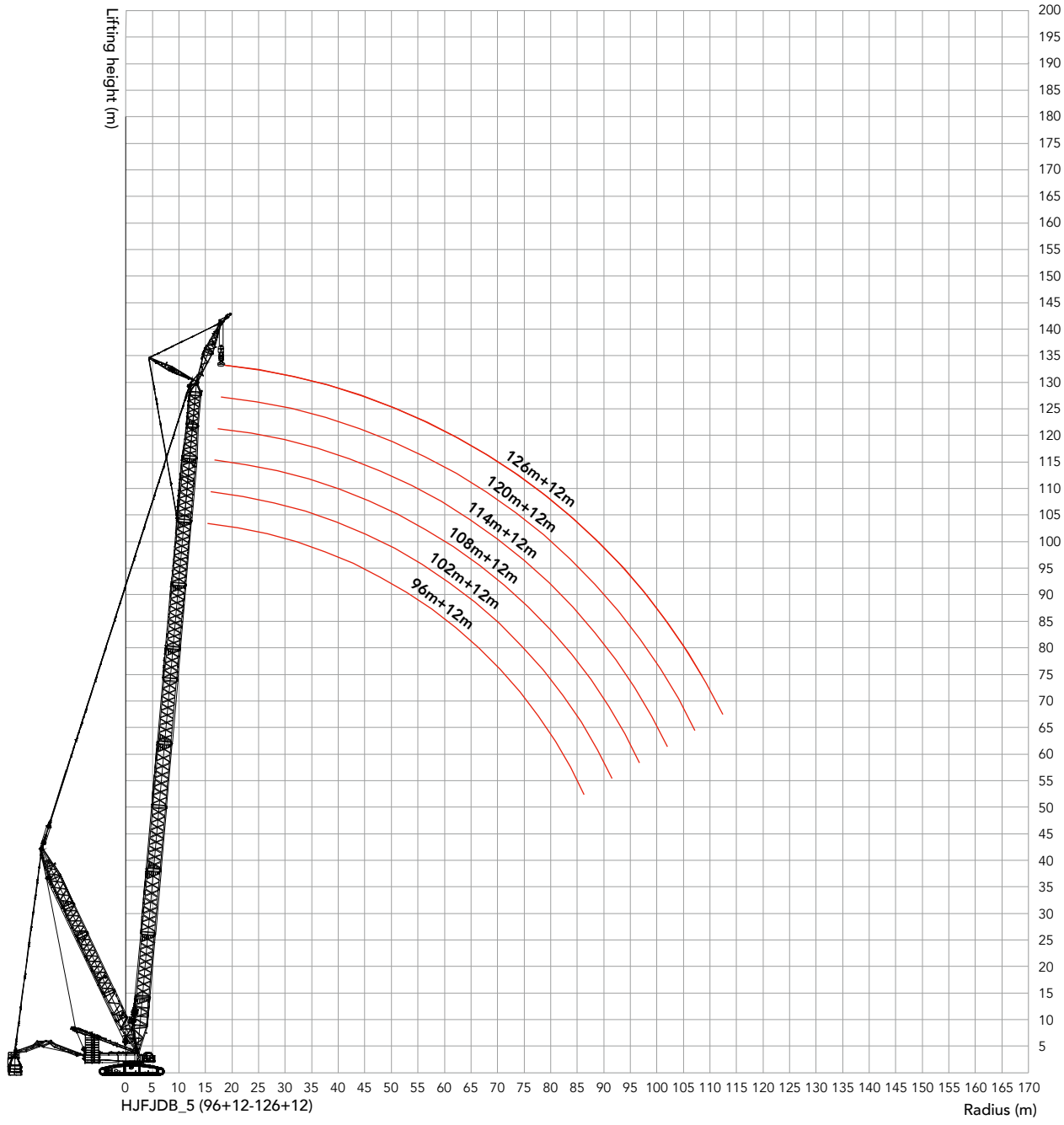
Boom length (m)	Power boom					Boom insert			Jib insert	
	12m lower transition section	12mA	12mC	12mD	12m upper transition section	6m	12mB	12mC	6m	
96	1	1	1	1	1	-	-	-	1	Fixed Jib 12m
102	1	1	1	1	1	1	-	-	1	
108	1	1	1	1	1	-	1	-	1	
114	1	1	1	1	1	1	1	-	1	
120	1	1	1	1	1	-	2	-	1	
126	1	1	1	1	1	1	2	-	1	

Note: The 10.5 m boom base, 12 m boom transition section ,500t pulley block 6m jib tapered insert and Jib connecting tip are must.



HJFJDB_5
(96+12-126+12)

HJFJDB_5 Working Radius



Unit: t

HJFJDB_5 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJFJDB_5 configurations.

SCC9000A Crawler Crane — HJFJDB_5 Configuration 1/4

Boom length 96~126m, Jib length 12m, Jib offset angle 15° , Superlift Radius 16m, Superlift CWT 0t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	96	102	108	114	120	126	Radius(m)
14	240						14
15	240	240	240				15
16	237	235	232	225	215		16
17	218	217	216	212	205	194	17
18	202	200	200	198	194	188	18
19	187	186	185	184	182	178	19
20	175	173	172	171	169	168	20
22	153	151	150	148	147	145	22
24	135	133	132	130	129	127	24
26	120	118	117	115	114	112	26
28	107	105	104	102	101	99.6	28
30	96.8	95.0	93.8	91.9	90.4	88.5	30
32	87.3	85.5	84.2	82.3	80.8	78.9	32
34	79.1	77.2	75.9	74.0	72.4	70.4	34
36	71.7	69.9	68.5	66.6	65.0	63.0	36
38	73.3	63.3	62.0	60.0	58.4	56.4	38
40	67.0	65.1	56.1	54.1	52.5	50.4	40
44	56.1	54.2	52.8	50.9	42.3	40.3	44
48	47.1	45.2	43.8	41.8	40.2	38.1	48
52	45.0	37.6	36.1	34.1	32.5	30.4	52
56	38.0	36.1	29.6	27.6	25.9	23.9	56
60	31.9	30.0	28.6	21.9	20.3	18.2	60
64	26.6	24.7	23.3	21.3	19.7	13.2	64
68	21.9	20.0	18.6	16.6	15.0	13.0	68
72	17.7	15.8	14.4	12.4	10.8	8.8	72
76	14.0	12.1	10.7	8.7	7.1	5.0	76
80	10.5	8.7	7.3	5.3	3.7	1.6	80
84	7.4	5.6	4.2	2.2	0.6		84
88	4.6	2.8	1.4				88
92	2.0						92

Unit: t

HJFJDB_5 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJFJDB_5 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HJFJDB_5 Configuration 2/4

Boom length 96~126m, Jib length 12m, Jib offset angle 15° , Superlift Radius 18m, Superlift CWT 200t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	96	102	108	114	120	126	Radius(m)
14	240*						14
15	240*	240*	240*				15
16	240*	240*	240*	239*	215*		16
17	240	240	240	239	215*	194*	17
18	240	240	240	239	215	194*	18
19	240	240	240	239	216	194*	19
20	240	240	240	239	216	194	20
22	240	240	240	238	215	195	22
24	240	240	240	238	216	194	24
26	240	240	240	237	216	194	26
28	240	240	240	238	217	194	28
30	240	238	237	235	217	194	30
32	221	219	218	216	215	193	32
34	204	203	201	200	198	192	34
36	190	188	187	185	183	181	36
38	185	175	173	172	170	168	38
40	172	171	162	160	158	156	40
44	152	150	148	146	138	136	44
48	134	132	131	129	127	125	48
52	122	118	116	114	113	111	52
56	110	108	104	102	100	98.6	56
60	99.7	97.9	96.6	91.4	89.8	87.7	60
64	90.5	88.8	87.4	85.6	84.1	78.3	64
68	82.4	80.7	79.3	77.5	76.0	74.1	68
72	75.1	73.3	71.9	70.0	68.4	66.4	72
76	68.3	66.4	65.0	63.1	61.5	59.5	76
80	62.0	60.2	58.8	56.9	55.3	53.3	80
84	56.4	54.6	53.2	51.3	49.7	47.7	84
88	51.3	49.5	48.1	46.2	44.6	42.6	88
92	46.5	44.8	43.4	41.5	39.9	37.9	92
96	42.2	40.5	39.1	37.2	35.6	33.6	96
100	34.5	36.5	35.1	33.2	31.7	29.7	100
104	31.1	29.2	31.4	29.5	28.0	26.0	104
108	28.0	26.0	27.9	26.1	24.6	22.6	108
112		23.1	21.5	22.8	21.4	19.4	112
116			18.7	16.7	18.4	16.4	116
120			16.1	14.1	15.5	13.6	120
124				11.7	10.0	11.0	124
128					7.8	5.7	128
132					5.6	3.5	132
136						1.5	136

Unit: t

HJFJDB_5 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJFJDB_5 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HJFJDB_5 Configuration 3/4

Boom length 96~126m, Jib length 12m, Jib offset angle 15° , Superlift Radius 20m, Superlift CWT 300t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	96	102	108	114	120	126	Radius(m)
14	240*						14
15	240*	240*	240*				15
16	240*	240*	240*	239*	215*		16
17	240*	240*	240*	239*	215*	194*	17
18	240*	240*	240*	239*	215*	194*	18
19	240*	240*	240*	239*	216*	194*	19
20	240*	240*	240*	239*	216*	194*	20
22	240*	240*	240*	238*	215*	195*	22
24	240*	240*	240*	238*	216*	194*	24
26	240	240	240	237	216*	194*	26
28	240	240	240	238	217	194*	28
30	240	240	240	237	217	194	30
32	240	240	240	237	216	193	32
34	236	240	240	236	216	192	34
36	229	233	238	235	215	191	36
38	223	228	232	234	214	190	38
40	218	221	222	220	213	189	40
44	200	198	197	195	193	187	44
48	179	177	176	174	173	171	48
52	161	160	158	156	155	153	52
56	146	145	143	141	140	138	56
60	133	132	130	128	127	125	60
64	122	120	119	117	116	114	64
68	112	110	109	107	106	104	68
72	103	101	100	98.6	97.2	95.3	72
76	95.6	93.9	92.5	90.7	89.2	87.3	76
80	88.4	86.7	85.3	83.5	82.0	80.2	80
84	81.9	80.2	78.8	77.0	75.5	73.7	84
88	75.9	74.2	72.9	71.1	69.6	67.8	88
92	70.5	68.8	67.4	65.7	64.2	62.4	92
96	65.4	63.8	62.5	60.7	59.2	57.4	96
100	60.3	59.1	57.8	56.1	54.7	52.8	100
104	55.8	53.9	53.6	51.8	50.4	48.6	104
108	51.7	49.8	49.6	47.9	46.5	44.7	108
112		46.0	44.4	44.2	42.8	41.0	112
116			40.9	38.9	39.3	37.6	116
120			37.5	35.5	36.1	34.3	120
124				32.3	30.8	31.3	124
128					27.8	25.7	128
132					24.9	23.0	132
136						20.3	136

Unit: t

HJFJDB_5 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJFJDB_5 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HJFJDB_5 Configuration 4/4

Boom length 96~126m, Jib length 12m, Jib offset angle 15° , Superlift Radius 22m, Superlift CWT 440t, Rear CWT 230t, Carbody CWT 80t

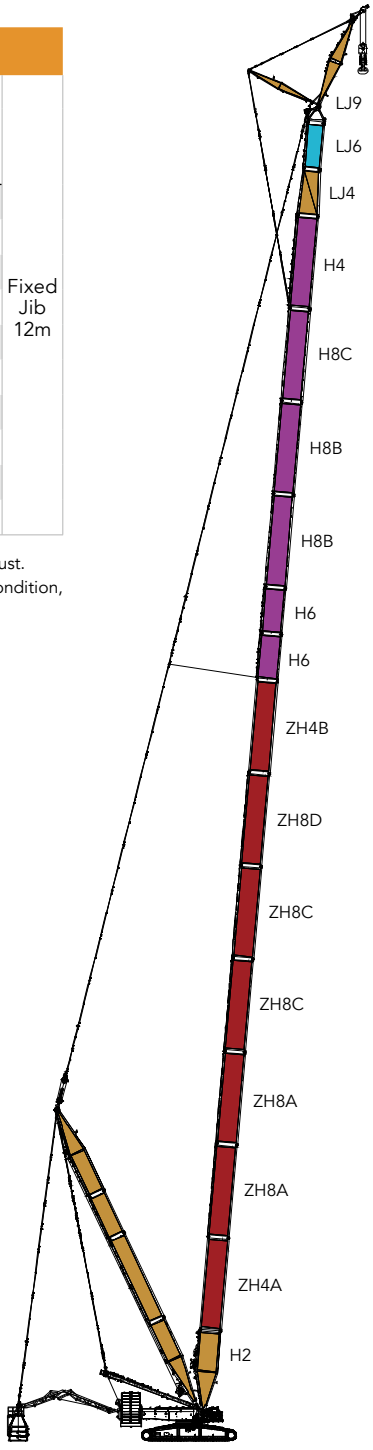
Radius(m)	96	102	108	114	120	126	Radius(m)
14	240*						14
15	240*	240*	240*				15
16	240*	240*	240*	239*	215*		16
17	240*	240*	240*	239*	215*	194*	17
18	240*	240*	240*	239*	215*	194*	18
19	240*	240*	240*	239*	216*	194*	19
20	240*	240*	240*	239*	216*	194*	20
22	240*	240*	240*	238*	215*	195*	22
24	240*	240*	240*	238*	216*	194*	24
26	240*	240*	240*	237*	216*	194*	26
28	240*	240*	240*	238*	217*	194*	28
30	240*	240*	240*	237*	217*	194*	30
32	240*	240*	240*	237*	216*	193*	32
34	236*	240*	240*	236*	216*	192*	34
36	229*	233*	238*	235*	215*	191*	36
38	223*	228*	232*	236*	214*	190*	38
40	218*	221*	225*	230	213*	189*	40
44	206*	212*	215	220	211	187*	44
48	196	201	206	210	208	184	48
52	188	193	198	202	205	182	52
56	181	185	190	193	196	180	56
60	173	177	182	181	179	177	60
64	167	169	168	166	164	163	64
68	158	156	155	153	152	150	68
72	146	145	143	141	140	138	72
76	136	134	133	131	130	128	76
80	127	125	124	122	120	119	80
84	118	117	115	114	112	110	84
88	111	109	108	106	104	103	88
92	104	102	101	99.4	98.0	96.1	92
96	97.8	96.1	94.8	93.0	91.6	89.8	96
100	91.8	90.2	88.9	87.1	85.7	83.9	100
104	86.2	84.7	83.4	81.7	80.3	78.4	104
108	81.0	79.5	78.3	76.6	75.2	73.4	108
112		74.7	73.5	71.9	70.5	68.7	112
116			69.0	67.4	66.1	64.3	116
120			64.7	63.2	61.9	60.2	120
124				59.2	58.0	56.3	124
128					54.3	52.6	128
132					50.7	49.1	132
136						45.8	136

HJFJDB_7 Configuration

Boom combination in HJFJDB_7

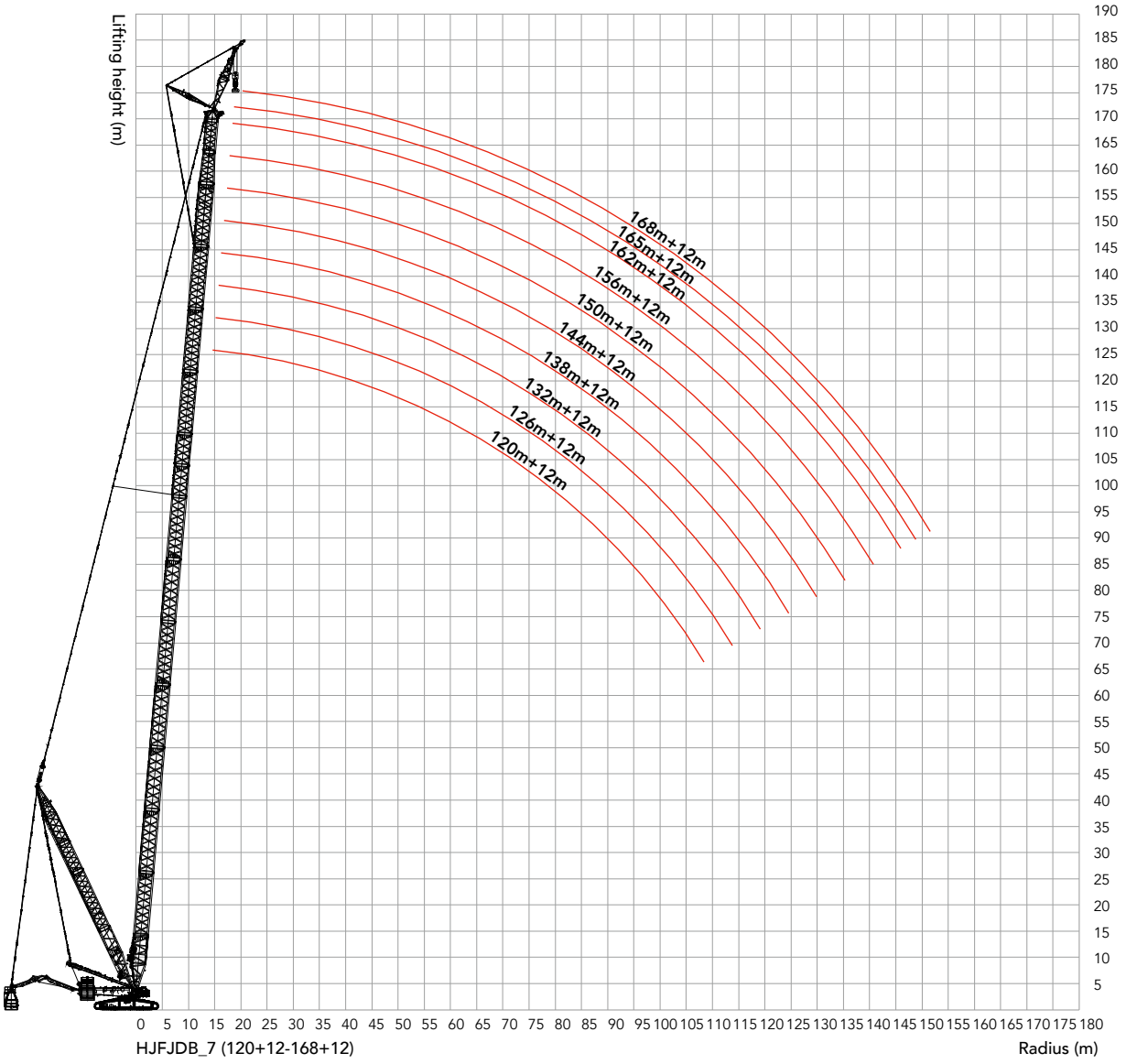
Boom length (m)	Power boom					Boom insert				Jib insert	
	12m lower transition section	12mA	12mC	12mD	12m upper transition section	3m	6m	12mB	12mC	6m	
120	1	2	2	1	1	-	-	-	-	1	Fixed Jib 12m
126	1	2	2	1	1	-	1	-	-	1	
132	1	2	2	1	1	-	-	1	-	1	
138	1	2	2	1	1	-	1	1	-	1	
144	1	2	2	1	1	-	-	2	-	1	
150	1	2	2	1	1	-	1	2	-	1	
156	1	2	2	1	1	-	-	2	1	1	
162	1	2	2	1	1	-	1	2	1	1	
165	1	2	2	1	-	1	1	2	1	1	
168	1	2	2	1	-	-	2	2	1	1	

Note: The 10.5 m boom base, 12 m boom transition section ,6m jib tapered insert and Jib connecting tip are must.
The mid-point suspension cable must be used for the boom length of 144m+12m-168m+12m in this working condition, otherwise, the boom system may be broken.



HJFJDB_7
(120+12-168+12)

HJFJDB_7 Working Radius



Unit: t

HJFJDB_7 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJFJDB_7 configurations.

SCC9000A Crawler Crane — HJFJDB_7 Configuration 1/4

Boom length 120~168m, Jib length 12m, Jib offset angle 15° , Superlift Radius 16m, Superlift CWT 0t,
Rear CWT 230t, Carbody CWT 80t

Radius(m)	120	126	132	138	144	150	156	162	165	168	Radius(m)
16	216										16
17	203	197	191								17
18	192	186	180	174	162						18
19	180	176	170	165	160	148	130				19
20	167	165	161	156	151	146	130	117	109	103	20
22	145	143	142	140	136	131	128	116	109	103	22
24	126	125	123	122	120	118	115	111	108	102	24
26	111	109	108	106	105	103	102	100	98.0	96.2	26
28	98.7	96.9	95.5	93.7	92.2	90.3	89.5	87.6	86.5	85.7	28
30	87.6	85.8	84.4	82.5	81.0	79.1	78.3	76.3	75.2	74.4	30
32	78.0	76.2	74.7	72.8	71.3	69.4	68.5	66.5	65.3	64.6	32
34	69.6	67.7	66.3	64.3	62.8	60.8	59.9	57.9	56.8	56.0	34
36	62.2	60.3	58.8	56.8	55.3	53.3	52.4	50.4	49.2	48.3	36
38	55.6	53.6	52.1	50.1	48.6	46.6	45.6	43.6	42.4	41.6	38
40	49.6	47.7	46.2	44.2	42.6	40.6	39.6	37.6	36.3	35.5	40
44	39.5	37.5	35.9	33.9	32.3	30.2	29.3	27.2	26.0	25.1	44
48	37.3	35.3	27.5	25.4	23.8	21.7	20.7	18.6	17.4	16.5	48
52	29.6	27.6	26.1	24.0	16.6	14.5	13.5	11.4	10.1	9.3	52
56	23.1	21.0	19.5	17.4	15.8	13.7	7.4	5.2	3.9	3.1	56
60	17.4	15.4	13.8	11.7	10.1	8.0	7.0	4.9	3.6		60
64	16.8	10.4	8.8	6.7	5.1	3.0	2.0				64
68	12.1	10.1	4.4	2.4	0.7						68
72	7.9	5.9	4.4								72
76	4.1	2.1	0.6								76
80	0.7										80

Unit: t

HJFJDB_7 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJFJDB_7 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HJFJDB_7 Configuration 2/4

Boom length 120~168m, Jib length 12m, Jib offset angle 15° , Superlift Radius 18m, Superlift CWT 200t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	120	126	132	138	144	150	156	162	165	168	Radius(m)
16	240*										16
17	240	221*	201*								17
18	240	221	201*	181*	162*						18
19	240	221	200	181*	162*	148*	130*				19
20	240	222	200	181	162*	148*	130*	117*	109*	103*	20
22	240	223	201	181	163	148*	130*	116*	109*	103*	22
24	240	222	201	181	164	148	129*	115*	109*	102*	24
26	239	223	201	182	164	148	128	114	108*	102*	26
28	238	222	201	182	164	147	128	114	107	101	28
30	231	223	201	182	164	146	127	113	106	100	30
32	212	210	201	181	163	146	126	112	106	99.9	32
34	195	193	192	179	162	145	125	112	105	99.2	34
36	180	179	177	175	162	144	125	111	104	98.5	36
38	167	165	164	162	160	144	124	110	104	98.1	38
40	155	153	152	150	148	143	124	110	103	97.4	40
44	135	133	132	130	128	126	122	108	102	96.1	44
48	125	123	115	113	111	109	108	106	100	94.8	48
52	110	108	106	104	97.4	95.3	94.4	92.3	91.0	90.2	52
56	97.7	95.8	94.3	92.2	90.6	88.6	82.2	80.1	78.8	78.0	56
60	86.9	84.9	83.4	81.4	79.7	77.7	76.7	74.6	73.3	67.5	60
64	81.5	75.4	73.9	71.9	70.2	68.2	67.2	65.1	63.8	62.9	64
68	73.2	71.2	65.6	63.5	61.9	59.8	58.8	56.7	55.4	54.5	68
72	65.5	63.5	62.0	56.1	54.5	52.4	51.4	49.2	48.0	47.1	72
76	58.6	56.6	55.1	53.1	51.5	45.7	44.7	42.6	41.3	40.4	76
80	52.4	50.4	48.9	46.9	45.3	43.2	38.8	36.6	35.3	34.5	80
84	46.8	44.8	43.3	41.3	39.7	37.6	36.6	31.2	29.9	29.1	84
88	41.7	39.7	38.2	36.2	34.6	32.5	31.5	29.4	28.1	27.3	88
92	37.0	35.0	33.5	31.5	29.9	27.8	26.9	24.8	23.5	22.6	92
96	32.7	30.7	29.3	27.2	25.6	23.6	22.6	20.5	19.2	18.3	96
100	28.7	26.8	25.3	23.3	21.7	19.6	18.7	16.6	15.3	14.4	100
104	25.0	23.1	21.6	19.6	18.0	16.0	15.0	12.9	11.6	10.8	104
108	21.6	19.7	18.2	16.2	14.7	12.6	11.6	9.5	8.3	7.4	108
112	18.4	16.5	15.1	13.1	11.5	9.4	8.5	6.4	5.1	4.3	112
116	15.4	13.5	12.1	10.1	8.6	6.5	5.6	3.5	2.2	1.3	116
120	12.5	10.7	9.3	7.3	5.8	3.7	2.8	0.7			120
124	7.1	8.0	6.7	4.7	3.2	1.2					124
128	4.8	2.8	4.2	2.3	0.7						128
132	2.6	0.6	1.8								132

Unit: t

HJFJDB_7 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJFJDB_7 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HJFJDB_7 Configuration 3/4

Boom length 120~168m, Jib length 12m, Jib offset angle 15° , Superlift Radius 20m, Superlift CWT 300t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	120	126	132	138	144	150	156	162	165	168	Radius(m)
16	240*										16
17	240*	221*	201*								17
18	240*	221*	201*	181*	162*						18
19	240*	221*	200*	181*	162*	148*	130*				19
20	240*	222*	200*	181*	162*	148*	130*	117*	109*	103*	20
22	240*	223*	201*	181*	163*	148*	130*	116*	109*	103*	22
24	240*	222*	201*	181*	164*	148*	129*	115*	109*	102*	24
26	239	223*	201*	182*	164*	148*	128*	114*	108*	102*	26
28	238	222	201*	182*	164*	147*	128*	114*	107*	101*	28
30	238	223	201	182*	164*	146*	127*	113*	106*	100*	30
32	238	223	201	181	163*	146*	126*	112*	106*	99.9*	32
34	239	224	201	179	162	145*	125*	112*	105*	99.2*	34
36	238	224	201	178	162	144	125*	111*	104*	98.5*	36
38	230	224	200	178	161	144	124	110*	104*	98.1*	38
40	216	214	199	177	160	143	124	110*	103*	97.4*	40
44	191	189	188	174	159	141	122	108	102	96.1	44
48	170	168	167	165	157	140	121	107	100	94.8	48
52	152	151	149	147	146	138	119	106	99.7	93.5	52
56	137	136	134	132	131	129	118	104	98.3	92.2	56
60	124	123	121	119	118	116	115	103	97.0	90.9	60
64	113	111	110	108	106	105	104	101	95.7	89.6	64
68	103	101	100	98.4	96.9	95.0	94.1	92.2	91.0	88.3	68
72	94.6	92.7	91.3	89.5	88.0	86.1	85.2	83.3	82.1	81.3	72
76	86.6	84.8	83.4	81.5	80.0	78.1	77.2	75.3	74.2	73.4	76
80	79.4	77.6	76.2	74.4	72.9	71.0	70.1	68.1	67.0	66.2	80
84	72.9	71.1	69.7	67.9	66.4	64.5	63.6	61.7	60.5	59.7	84
88	67.0	65.2	63.8	62.0	60.5	58.6	57.7	55.8	54.6	53.8	88
92	61.6	59.8	58.4	56.6	55.1	53.2	52.3	50.4	49.2	48.4	92
96	56.6	54.8	53.5	51.6	50.1	48.2	47.4	45.4	44.3	43.5	96
100	52.0	50.3	48.9	47.0	45.6	43.7	42.8	40.9	39.7	38.9	100
104	47.8	46.0	44.7	42.8	41.4	39.5	38.6	36.7	35.5	34.7	104
108	43.8	42.1	40.7	38.9	37.4	35.6	34.7	32.8	31.6	30.8	108
112	40.1	38.4	37.1	35.3	33.8	31.9	31.1	29.1	28.0	27.2	112
116	36.7	35.0	33.6	31.8	30.4	28.5	27.7	25.7	24.5	23.6	116
120	33.4	31.8	30.4	28.6	27.2	25.2	24.3	22.2	21.0	20.1	120
124	27.8	28.7	27.4	25.5	24.0	21.9	21.0	19.0	17.7	16.8	124
128	24.8	22.8	24.3	22.4	20.8	18.8	17.9	15.9	14.6	13.8	128
132	21.9	20.0	21.2	19.4	17.9	15.9	15.0	13.0	11.7	10.8	132
136		17.4	15.9	16.6	15.1	13.1	12.3	10.2	8.9	8.1	136
140			13.4	11.4	12.4	10.5	9.6	7.6	6.3	5.5	140
144			11.0	9.0	9.9	8.0	7.1	5.1	3.9	3.0	144
148				6.8	5.2	5.6	4.8	2.8	1.5	0.7	148
152					3.1	1.0	2.5	0.5			152
156					1.0		0.3				156

Unit: t

HJFJDB_7 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJFJDB_7 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HJFJDB_7 Configuration 4/4

Boom length 120~168m, Jib length 12m, Jib offset angle 15° , Superlift Radius 22m, Superlift CWT 440t, Rear CWT 230t, Carbody CWT 80t

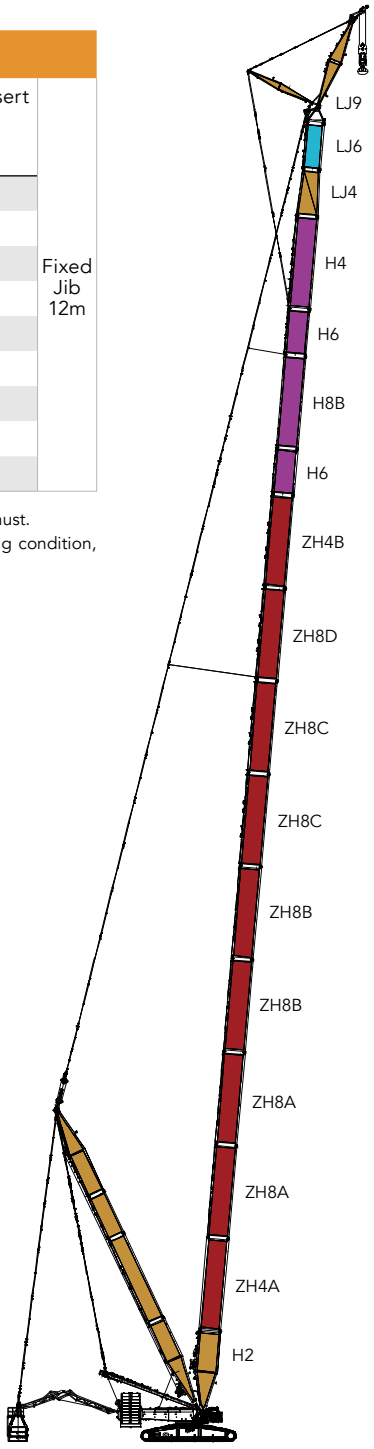
Radius(m)	120	126	132	138	144	150	156	162	165	168	Radius(m)
16	240*										16
17	240*	221*	201*								17
18	240*	221*	201*	181*	162*						18
19	240*	221*	200*	181*	162*	148*	130*				19
20	240*	222*	200*	181*	162*	148*	130*	117*	109*	103*	20
22	240*	223*	201*	181*	163*	148*	130*	116*	109*	103*	22
24	240*	222*	201*	181*	164*	148*	129*	115*	109*	102*	24
26	239*	223*	201*	182*	164*	148*	128*	114*	108*	102*	26
28	238*	222*	201*	182*	164*	147*	128*	114*	107*	101*	28
30	238*	223*	201*	182*	164*	146*	127*	113*	106*	100*	30
32	238*	223*	201*	181*	163*	146*	126*	112*	106*	99.9*	32
34	239*	224*	201*	179*	162*	145*	125*	112*	105*	99.2*	34
36	238*	224*	201*	178*	162*	144*	125*	111*	104*	98.5*	36
38	237*	224*	200*	178*	161*	144*	124*	110*	104*	98.1*	38
40	236	224	199*	177*	160*	143*	124*	110*	103*	97.4*	40
44	225	222	197	174*	159*	141*	122*	108*	102*	96.1*	44
48	215	218	194	172	157*	140*	121*	107*	100*	94.8*	48
52	206	210	192	170	155	138*	119*	106*	99.7*	93.5*	52
56	193	191	190	167	154	136*	118*	104*	98.3*	92.2*	56
60	177	175	173	165	152	135	117*	103*	97.0*	90.9*	60
64	162	160	159	157	150	133	115	101*	95.7*	89.6*	64
68	149	147	146	144	142	131	114	100	94.4*	88.3*	68
72	137	136	134	132	131	129	112	99.4	93.0	87.0	72
76	127	125	124	122	121	119	111	98.0	91.7	85.7	76
80	118	116	115	113	111	109	109	96.6	90.3	84.4	80
84	109	108	106	104	103	101	100	95.2	89.0	83.1	84
88	102	100	99.1	97.3	95.8	93.9	93.0	91.1	87.6	81.8	88
92	95.4	93.6	92.2	90.3	88.9	87.0	86.1	84.1	83.0	80.5	92
96	89.0	87.2	85.8	84.0	82.5	80.6	79.7	77.8	76.6	75.8	96
100	83.1	81.3	79.9	78.1	76.6	74.7	73.8	71.9	70.8	70.0	100
104	77.6	75.9	74.5	72.7	71.2	69.3	68.4	66.5	65.4	64.6	104
108	72.6	70.8	69.4	67.6	66.2	64.3	63.4	61.5	60.3	59.6	108
112	67.8	66.1	64.8	62.9	61.5	59.6	58.7	56.8	55.7	54.9	112
116	63.4	61.7	60.4	58.6	57.1	55.3	54.4	52.5	51.3	50.5	116
120	59.3	57.6	56.3	54.5	53.0	51.2	50.3	48.4	47.3	46.5	120
124	55.4	53.7	52.4	50.6	49.2	47.4	46.5	44.6	43.5	42.7	124
128	51.6	50.0	48.8	44.8	45.6	43.8	42.9	41.0	39.9	39.1	128
132	48.0	46.5	45.3	36.3	42.2	40.4	39.5	37.7	36.5	35.7	132
136		43.2	42.1	36.3	39.0	37.2	36.3	34.5	33.3	32.6	136
140			38.9	36.3	35.9	34.1	33.3	31.5	30.3	29.6	140
144			35.8	34.3	33.0	31.3	30.5	28.6	27.5	26.7	144
148				31.5	30.3	28.5	27.7	25.9	24.8	24.0	148
152					27.6	25.9	25.1	23.3	22.2	21.4	152
156					24.9	23.3	22.6	20.8	19.7	19.0	156
160						20.9	20.2	18.5	17.4	16.7	160
164							17.9	16.1	15.1	14.4	164
168							15.6	13.7	12.5	12.3	168
172								11.4	10.2	9.4	172
176									8.0	7.2	176
180										5.1	180

HJFJDB_9 Configuration

Boom combination in HJFJDB_9

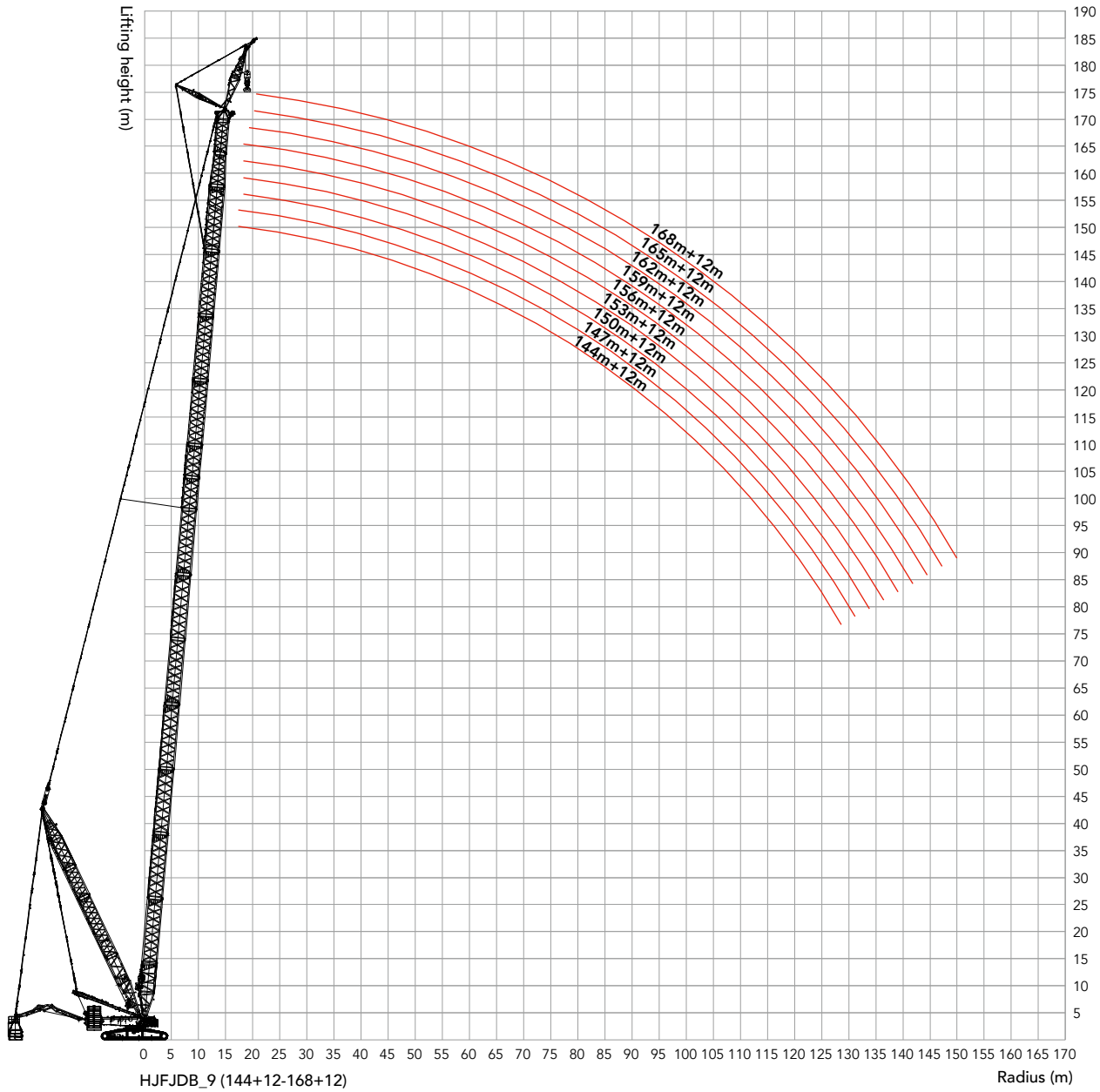
Boom length (m)	Power boom						Boom insert			Jib insert	
	12m lower transition section	12mA	12mB	12mC	12mD	12m upper transition section	3m	6m	12mB	6m	
144	1	2	2	2	1	1	-	-	-	1	Fixed Jib 12m
147	1	2	2	2	1	1	1	-	-	1	
150	1	2	2	2	1	1	-	1	-	1	
153	1	2	2	2	1	1	1	1	-	1	
156	1	2	2	2	1	1	-	-	1	1	
159	1	2	2	2	1	1	1	-	1	1	
162	1	2	2	2	1	1	-	1	1	1	
165	1	2	2	2	1	1	1	1	1	1	
168	1	2	2	2	1	1	-	2	1	1	

Note: The 10.5 m boom base, 12 m boom transition section ,6m jib tapered insert and Jib connecting tip are must.
The mid-point suspension cable must be used for the boom length of 144m+12m-168m+12m in this working condition, otherwise, the boom system may be broken.



HJFJDB_9
(144+12-168+12)

HJFJDB_9 Working Radius



Unit: t

HJFJDB_9 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJFJDB_9 configurations.

SCC9000A Crawler Crane — HJFJDB_9 Configuration 1/4

Boom length 144~168m, Jib length 12m, Jib offset angle 15° , Superlift Radius 16m, Superlift CWT 0t,
Rear CWT 230t, Carbody CWT 80t

Radius(m)	144	147	150	153	156	159	162	165	168	Radius(m)
18	166									18
19	157	154	151	148	147					19
20	148	145	143	140	139	136	134	130	123	20
22	133	130	128	126	124	121	119	117	115	22
24	117	116	115	113	111	109	107	105	103	24
26	101	100	99.9	98.8	98.6	97.4	96.6	94.4	92.6	26
28	88.6	87.4	86.8	85.6	85.5	84.3	83.7	82.5	81.8	28
30	77.4	76.2	75.6	74.4	74.2	73.0	72.3	71.1	70.4	30
32	67.6	66.4	65.8	64.6	64.4	63.2	62.5	61.3	60.6	32
34	59.1	57.9	57.2	56.0	55.8	54.6	53.9	52.7	52.0	34
36	51.6	50.3	49.7	48.4	48.2	47.0	46.3	45.1	44.3	36
38	44.9	43.6	42.9	41.7	41.5	40.2	39.5	38.3	37.6	38
40	38.9	37.6	36.9	35.7	35.5	34.2	33.5	32.2	31.5	40
44	28.5	27.3	26.6	25.3	25.1	23.8	23.1	21.8	21.0	44
48	20.0	18.7	18.0	16.7	16.5	15.2	14.5	13.2	12.4	48
52	12.8	11.5	10.8	9.5	9.3	7.9	7.2	5.9	5.1	52
56	12.0	10.7	10.0	8.7	3.1	1.8	1.0			56
60	6.3	5.0	4.3	3.0	2.7	1.4	0.7			60
64	1.3									64

Unit: t

HJFJDB_9 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJFJDB_9 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HJFJDB_9 Configuration 2/4

Boom length 144~168m, Jib length 12m, Jib offset angle 15° , Superlift Radius 18m, Superlift CWT 200t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	144	147	150	153	156	159	162	165	168	Radius(m)
18	181*									18
19	181*	173*	165*	158*	150*					19
20	181	173	165*	158*	150*	142*	135*	130*	123*	20
22	181	174	166	158	150	143*	136*	130*	123*	22
24	183	174	167	159	150	144	137	129	122	24
26	183	175	167	159	151	144	136	129	121	26
28	183	176	167	160	151	143	135	128	121	28
30	184	176	167	160	151	143	135	127	120	30
32	184	177	168	159	151	142	134	127	120	32
34	185	176	168	160	150	141	134	126	119	34
36	170	169	168	160	149	141	133	126	118	36
38	157	155	155	154	149	140	133	125	118	38
40	145	144	143	142	141	140	132	124	117	40
44	124	123	122	121	121	120	119	118	116	44
48	107	106	105	104	104	103	102	101	100	48
52	93.6	92.3	91.6	90.4	90.1	88.8	88.1	86.8	86.1	52
56	86.8	85.6	84.9	83.6	78.0	76.6	75.9	74.6	73.9	56
60	75.9	74.6	73.9	72.7	72.4	71.1	70.4	69.1	63.3	60
64	66.4	65.1	64.4	63.1	62.9	61.6	60.9	59.6	58.8	64
68	58.0	56.7	56.0	54.7	54.5	53.2	52.5	51.2	50.4	68
72	50.6	49.3	48.6	47.3	47.1	45.7	45.0	43.7	42.9	72
76	47.6	42.7	42.0	40.6	40.4	39.1	38.4	37.1	36.3	76
80	41.4	40.1	39.4	38.1	34.4	33.1	32.4	31.1	30.3	80
84	35.8	34.5	33.8	32.5	32.3	31.0	27.0	25.7	24.9	84
88	30.7	29.4	28.7	27.4	27.2	25.9	25.2	23.9	23.1	88
92	26.0	24.7	24.0	22.8	22.5	21.2	20.5	19.2	18.4	92
96	21.8	20.5	19.8	18.5	18.3	16.9	16.2	14.9	14.1	96
100	17.8	16.5	15.8	14.5	14.3	13.0	12.3	11.0	10.2	100
104	14.2	12.9	12.2	10.9	10.7	9.3	8.6	7.3	6.5	104
108	10.8	9.5	8.8	7.5	7.3	6.0	5.3	4.0	3.2	108
112	7.6	6.3	5.6	4.3	4.1	2.8	2.1	0.8		112
116	4.6	3.4	2.7	1.4	1.2					116
120	1.9	0.6								120

Unit: t

HJFJDB_9 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJFJDB_9 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HJFJDB_9 Configuration 3/4

Boom length 144~168m, Jib length 12m, Jib offset angle 15° , Superlift Radius 20m, Superlift CWT 300t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	144	147	150	153	156	159	162	165	168	Radius(m)
18	181*									18
19	181*	173*	165*	158*	150*					19
20	181*	173*	165*	158*	150*	142*	135*	130*	123*	20
22	181*	174*	166*	158*	150*	143*	136*	130*	123*	22
24	183*	174*	167*	159*	150*	144*	137*	129*	122*	24
26	183*	175*	167*	159*	151*	144*	136*	129*	121*	26
28	183*	176*	167*	160*	151*	143*	135*	128*	121*	28
30	184	176	167*	160*	151*	143*	135*	127*	120*	30
32	184	177	168	159	151*	142*	134*	127*	120*	32
34	185	176	168	160	150	141*	134*	126*	119*	34
36	185	176	168	160	149	141	133	126*	118*	36
38	186	177	168	159	149	140	133	125	118	38
40	185	176	168	159	148	140	132	124	117	40
44	181	176	166	157	147	138	131	123	116	44
48	160	159	158	156	145	137	129	122	114	48
52	143	141	141	140	139	136	128	120	113	52
56	127	126	126	124	124	123	122	119	112	56
60	114	113	113	111	111	110	109	108	107	60
64	103	102	101	100	100	99.1	98.5	97.3	96.6	64
68	93.5	92.3	91.7	90.5	90.3	89.1	88.4	87.3	86.5	68
72	84.6	83.4	82.8	81.6	81.4	80.2	79.5	78.3	77.6	72
76	76.6	75.4	74.8	73.6	73.4	72.2	71.5	70.4	69.6	76
80	69.4	68.3	67.6	66.4	66.2	65.0	64.4	63.2	62.5	80
84	62.9	61.8	61.1	60.0	59.7	58.5	57.9	56.7	55.9	84
88	57.0	55.9	55.2	54.1	53.8	52.6	52.0	50.8	50.1	88
92	51.6	50.5	49.8	48.7	48.4	47.2	46.6	45.4	44.7	92
96	46.7	45.5	44.9	43.7	43.5	42.3	41.6	40.5	39.7	96
100	42.1	41.0	40.3	39.1	38.9	37.7	37.1	35.9	35.2	100
104	37.9	36.7	36.1	34.9	34.7	33.5	32.9	31.7	31.0	104
108	34.0	32.8	32.2	31.0	30.8	29.6	29.0	27.8	27.1	108
112	30.3	29.2	28.5	27.4	27.2	25.9	25.2	23.9	23.1	112
116	26.9	25.6	24.9	23.7	23.5	22.1	21.4	20.2	19.4	116
120	23.4	22.1	21.4	20.1	20.0	18.6	17.9	16.6	15.9	120
124	20.0	18.8	18.1	16.8	16.7	15.3	14.6	13.4	12.6	124
128	16.9	15.7	15.0	13.7	13.6	12.2	11.6	10.3	9.5	128
132	14.0	12.7	12.1	10.8	10.6	9.3	8.6	7.4	6.6	132
136	11.2	9.9	9.3	8.0	7.9	6.6	5.9	4.6	3.8	136
140	8.5	7.3	6.6	5.4	5.3	4.0	3.3	2.0	1.2	140
144	6.0	4.8	4.1	2.9	2.8	1.5	0.8			144
148	1.3	2.3	1.7	0.5	0.4					148

Unit: t

HJFJDB_9 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJFJDB_9 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HJFJDB_9 Configuration 4/4

Boom length 144~168m, Jib length 12m, Jib offset angle 15° , Superlift Radius 22m, Superlift CWT 440t, Rear CWT 230t, Carbody CWT 80t

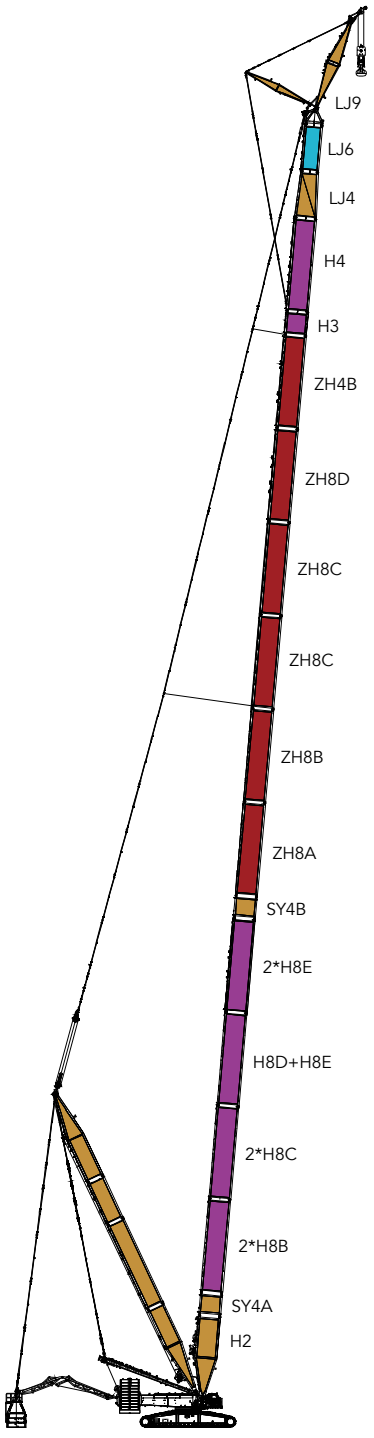
Radius(m)	144	147	150	153	156	159	162	165	168	Radius(m)
18	181*									18
19	181*	173*	165*	158*	150*					19
20	181*	173*	165*	158*	150*	142*	135*	130*	123*	20
22	181*	174*	166*	158*	150*	143*	136*	130*	123*	22
24	183*	174*	167*	159*	150*	144*	137*	129*	122*	24
26	183*	175*	167*	159*	151*	144*	136*	129*	121*	26
28	183*	176*	167*	160*	151*	143*	135*	128*	121*	28
30	184*	176*	167*	160*	151*	143*	135*	127*	120*	30
32	184*	177*	168*	159*	151*	142*	134*	127*	120*	32
34	185*	176*	168*	160*	150*	141*	134*	126*	119*	34
36	185*	176*	168*	160*	149*	141*	133*	126*	118*	36
38	186*	177*	168*	159*	149*	140*	133*	125*	118*	38
40	185*	176*	168*	159*	148*	140*	132*	124*	117*	40
44	185*	176*	166*	157*	147*	138*	131*	123*	116*	44
48	184	174	165	156*	145*	137*	129*	122*	114*	48
52	182	172	163	154	144	136*	128*	120*	113*	52
56	180	171	161	152	142	134	127	119*	112*	56
60	167	165	160	150	141	133	125	117	110	60
64	152	151	150	149	139	131	124	116	109	64
68	139	138	137	136	136	130	122	115	107	68
72	127	126	126	124	124	123	121	113	106	72
76	117	116	115	114	114	113	112	111	105	76
80	108	107	106	105	105	103	103	102	101	80
84	100	98.8	98.2	97.0	96.8	95.6	94.9	93.7	93.0	84
88	92.4	91.2	90.6	89.4	89.2	88.0	87.3	86.1	85.4	88
92	85.4	84.3	83.6	82.4	82.2	81.0	80.4	79.2	78.5	92
96	79.0	77.9	77.2	76.1	75.9	74.6	74.0	72.8	72.1	96
100	73.2	72.0	71.4	70.2	70.0	68.8	68.1	67.0	66.2	100
104	67.7	66.6	65.9	64.8	64.6	63.4	62.7	61.5	60.8	104
108	62.7	61.6	60.9	59.7	59.5	58.3	57.7	56.5	55.8	108
112	58.0	56.9	56.2	55.1	54.9	53.7	53.0	51.9	51.1	112
116	53.7	52.5	51.9	50.7	50.5	49.3	48.7	47.5	46.8	116
120	49.6	48.4	47.8	46.6	46.4	45.2	44.6	43.4	42.7	120
124	45.7	44.6	44.0	42.8	42.6	41.4	40.8	39.6	38.9	124
128	42.1	41.0	40.4	39.2	39.0	37.8	37.2	36.0	35.3	128
132	38.7	37.6	37.0	35.8	35.7	34.5	33.8	32.7	32.0	132
136	35.5	34.4	33.8	32.6	32.5	31.3	30.7	29.5	28.8	136
140	32.5	31.3	30.7	29.6	29.4	28.3	27.6	26.5	25.8	140
144	29.5	28.4	27.9	26.7	26.6	25.4	24.8	23.6	22.9	144
148	26.8	25.7	25.1	24.0	23.8	22.7	22.1	20.9	20.2	148
152	24.1	23.0	22.5	21.4	21.2	20.1	19.5	18.3	17.7	152
156	21.4	20.4	19.9	18.9	18.8	17.6	17.0	15.9	15.2	156
160			17.5	16.3	16.2	15.2	14.7	13.5	12.9	160
164				13.8	13.7	12.4	11.7	11.3	10.6	164
168					11.2	10.0	9.4	8.1	8.5	168
172							7.1	5.8	5.1	172
176								3.6	2.9	176
180									0.8	180

HJFJDB_SY4 Configuration

Boom combination in HJFJDB_SY4

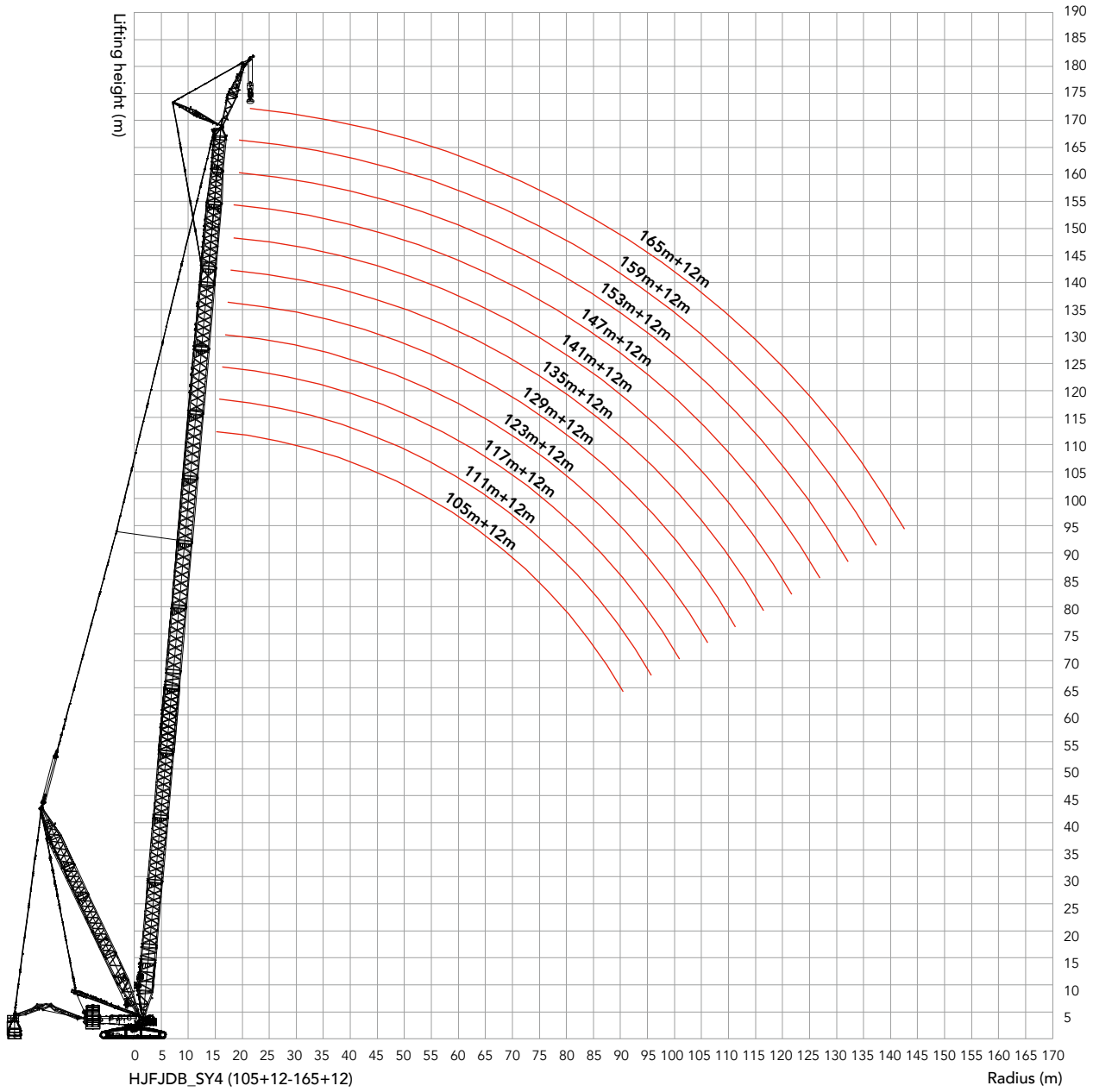
Boom length (m)	Power boom				Boom insert						
	12mA	12mB	12mC	12mD	3m	6m	12mB	12mC	12mD	12mE	
105	-	-	-	-	1	-	2	2	1	3	Fixed Jib 12m
111	-	-	-	-	1	1	2	2	1	3	
117	1	-	-	-	1	-	2	2	1	3	
123	1	-	-	-	1	1	2	2	1	3	
129	1	-	1	-	1	-	2	2	1	3	
135	1	-	1	-	1	1	2	2	1	3	
141	1	-	1	1	1	-	2	2	1	3	
147	1	-	1	1	1	1	2	2	1	3	
153	1	-	2	1	1	-	2	2	1	3	
159	1	-	2	1	1	1	2	2	1	3	
165	1	1	2	1	1	-	2	2	1	3	

Note: The 10.5 m boom base, 12 m boom transition section ,3m super power boom lower transition section, 3m super power boom upper transition section ,12m power boom upper transition section, 6m jib tapered insert and Jib connecting tip are must.
The mid-point suspension cable must be used for the boom length of 129m+12m-165m+12m in this working condition, otherwise, the boom system may be broken.



HJFJDB_SY4
(105+12-165+12)

HJFJDB_SY4 Working Radius



Unit: t

HJFJDB_SY4 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJFJDB_SY4 configurations.

SCC9000A Crawler Crane — HJFJDB_SY4 Configuration 1/4

Boom length 105~165m, Jib length 12m, Jib offset angle 15° , Superlift Radius 16m, Superlift CWT 0t,
Rear CWT 230t, Carbody CWT 80t

Radius(m)	105	111	117	123	129	135	141	147	153	159	165	Radius(m)
15	240											15
16	228	223	214									16
17	209	208	201	195	188							17
18	193	192	189	184	177	172	167					18
19	178	177	174	173	167	162	157	152	146			19
20	165	164	161	160	158	153	148	143	138	133	127	20
22	143	142	139	137	135	134	133	128	123	118	113	22
24	125	124	121	119	117	115	114	113	110	106	100	24
26	110	109	105	104	102	100	99.4	97.7	95.3	93.6	89.8	26
28	98.0	96.7	92.9	91.4	89.0	87.4	86.3	84.6	82.1	80.4	77.1	28
30	87.0	85.7	81.9	80.3	77.8	76.3	75.1	73.4	70.8	69.1	65.8	30
32	77.5	76.1	72.3	70.7	68.2	66.6	65.4	63.6	61.1	59.3	55.9	32
34	69.1	67.7	63.8	62.3	59.7	58.1	56.9	55.1	52.5	50.7	47.3	34
36	61.8	60.3	56.4	54.8	52.2	50.5	49.3	47.5	44.9	43.1	39.6	36
38	55.2	53.7	49.8	48.2	45.6	43.9	42.6	40.8	38.2	36.3	32.8	38
40	57.0	47.8	43.9	42.2	39.6	37.9	36.6	34.8	32.1	30.3	26.7	40
44	46.1	44.6	40.6	32.0	29.3	27.6	26.3	24.5	21.7	19.9	16.3	44
48	37.0	35.5	31.5	29.8	27.2	19.1	17.8	15.9	13.2	11.3	7.7	48
52	29.4	27.8	23.8	22.1	19.4	17.7	16.4	8.7	5.9	4.0	0.4	52
56	27.9	21.3	17.2	15.5	12.8	11.1	9.8	7.9	5.1			56
60	21.9	20.3	11.5	9.8	7.1	5.4	4.1	2.2				60
64	16.6	15.0	10.9	4.9	2.2	0.4						64
68	11.9	10.3	6.2	4.6	1.9							68
72	7.7	6.1	2.0	0.4								72
76	3.9	2.3										76
80	0.5											80

Unit: t

HJFJDB_SY4 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJFJDB_SY4 configurations.

SCC9000A Crawler Crane — HJFJDB_SY4 Configuration 2/4

Boom length 105~165m, Jib length 12m, Jib offset angle 15° , Superlift Radius 18m, Superlift CWT 200t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	105	111	117	123	129	135	141	147	153	159	165	Radius(m)
15	240*											15
16	240*	240*	240*									16
17	240	240	240	240	240							17
18	240	240	240	240	240	238	220					18
19	240	240	240	240	240	238	220	199	187			19
20	240	240	240	240	240	238	220	199	187	171	163	20
22	240	240	240	240	240	239	220	200	187	171	163	22
24	240	240	240	240	240	238	220	199	187	172	163	24
26	240	240	240	240	240	239	220	202	189	172	164	26
28	240	240	240	240	240	235	220	202	189	172	165	28
30	230	229	225	224	222	218	214	203	189	172	164	30
32	211	210	206	205	202	201	199	194	189	171	164	32
34	195	193	189	188	185	184	183	181	176	170	163	34
36	180	178	175	173	170	169	168	166	163	160	154	36
38	167	165	161	160	157	156	154	153	150	148	144	38
40	163	153	150	148	145	144	142	141	138	136	133	40
44	142	140	136	128	125	123	122	120	118	116	112	44
48	124	123	119	117	114	106	105	103	101	99.2	95.6	48
52	110	108	104	102	100	98.5	97.2	89.5	86.8	84.9	81.3	52
56	101	95.9	91.9	90.2	87.6	85.9	84.6	82.7	80.0	72.7	69.1	56
60	90.5	89.0	81.0	79.4	76.7	75.0	73.7	71.8	69.1	67.2	63.6	60
64	81.4	79.9	75.9	69.9	67.2	65.5	64.2	62.3	59.5	57.6	54.0	64
68	72.9	71.3	67.3	65.6	63.0	57.1	55.8	53.9	51.2	49.2	45.6	68
72	65.2	63.6	59.6	57.9	55.3	53.6	48.4	46.5	43.7	41.8	38.1	72
76	58.3	56.7	52.7	51.0	48.4	46.7	45.4	39.9	37.1	35.1	31.5	76
80	52.1	50.5	46.5	44.8	42.2	40.5	39.2	37.3	34.6	29.2	25.5	80
84	46.5	44.9	40.8	39.2	36.6	34.8	33.6	31.7	28.9	27.0	20.0	84
88	41.3	39.8	35.7	34.1	31.5	29.7	28.5	26.6	23.8	21.9	18.3	88
92	36.6	35.1	31.0	29.4	26.8	25.1	23.8	21.9	19.2	17.3	13.6	92
96	32.3	30.8	26.7	25.1	22.5	20.8	19.5	17.7	14.9	13.0	9.3	96
100	28.3	26.8	22.8	21.2	18.5	16.8	15.6	13.7	10.9	9.0	5.3	100
104	24.5	23.1	19.1	17.5	14.9	13.2	11.9	10.1	7.3	5.4	1.7	104
108	17.7	19.6	15.6	14.1	11.4	9.8	8.5	6.7	3.9	2.0		108
112	14.8	16.3	12.4	10.9	8.3	6.6	5.4	3.5	0.8			112
116	12.0	10.3	9.4	7.9	5.3	3.6	2.4	0.6				116
120		7.7	3.6	5.0	2.5	0.8						120
124			1.1	2.4								124

Unit: t

HJFJDB_SY4 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJFJDB_SY4 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HJFJDB_SY4 Configuration 3/4

Boom length 105~165m, Jib length 12m, Jib offset angle 15° , Superlift Radius 20m, Superlift CWT 300t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	105	111	117	123	129	135	141	147	153	159	165	Radius(m)
15	240*											15
16	240*	240*	240*									16
17	240*	240*	240*	240*	240*							17
18	240*	240*	240*	240*	240*	238*	220*					18
19	240*	240*	240*	240*	240*	238*	220*	199*	187*			19
20	240*	240*	240*	240*	240*	238*	220*	199*	187*	171*	163*	20
22	240*	240*	240*	240*	240*	239*	220*	200*	187*	171*	163*	22
24	240*	240*	240*	240*	240*	238*	220*	199*	187*	172*	163*	24
26	240	240	240	240	240	239	220	202*	189*	172*	164*	26
28	240	240	240	240	240	238	220	202	189*	172*	165*	28
30	240	240	240	240	240	235	220	203	189	172	164*	30
32	240	240	240	240	240	230	224	203	190	171	164	32
34	240	240	240	240	236	224	224	202	190	170	163	34
36	237	240	240	240	230	219	225	201	189	169	162	36
38	230	229	225	224	221	215	219	200	188	168	162	38
40	216	214	211	209	207	205	204	199	187	168	161	40
44	191	189	185	184	182	180	179	177	175	166	159	44
48	170	168	165	163	161	159	158	156	154	152	149	48
52	152	151	147	146	143	142	140	139	136	135	131	52
56	137	136	132	131	128	127	125	124	121	119	116	56
60	124	123	119	118	115	114	112	111	108	106	103	60
64	113	111	108	106	104	102	101	99.8	97.3	95.5	92.3	64
68	103	101	98.2	96.7	94.2	92.6	91.5	89.7	87.2	85.5	82.2	68
72	94.4	93.0	89.3	87.8	85.3	83.7	82.6	80.8	78.3	76.6	73.3	72
76	86.5	85.0	81.3	79.8	77.4	75.8	74.6	72.9	70.4	68.6	65.3	76
80	79.3	77.8	74.2	72.6	70.2	68.6	67.4	65.7	63.2	61.5	58.1	80
84	72.8	71.3	67.7	66.1	63.7	62.1	60.9	59.2	56.7	55.0	51.1	84
88	66.9	65.4	61.7	60.2	57.8	56.2	55.0	53.3	50.8	49.1	45.8	88
92	61.4	60.0	56.3	54.8	52.4	50.8	49.6	47.9	45.4	43.7	40.4	92
96	56.4	55.0	51.4	49.9	47.4	45.9	44.7	43.0	40.5	38.7	35.4	96
100	51.8	50.4	46.8	45.3	42.9	41.3	40.1	38.4	35.9	34.2	30.9	100
104	47.5	46.1	42.5	41.0	38.6	37.1	35.9	34.2	31.7	30.0	26.6	104
108	41.5	42.2	38.6	37.1	34.7	33.2	32.0	30.3	27.8	26.0	22.3	108
112	37.7	38.4	34.9	33.4	31.0	29.5	28.4	26.6	23.8	21.9	18.3	112
116	34.1	32.5	31.4	30.0	27.5	25.8	24.6	22.8	20.1	18.2	14.5	116
120		29.1	25.0	26.5	23.9	22.3	21.1	19.3	16.6	14.7	11.0	120
124			21.8	23.1	20.6	19.0	17.8	16.0	13.3	11.4	7.7	124
128			18.8	17.2	17.4	15.8	14.7	12.9	10.1	8.3	4.6	128
132				14.4	11.7	12.8	11.7	9.9	7.2	5.4	1.7	132
136					9.1	10.0	8.9	7.1	4.4	2.6		136
140					6.6	4.9	6.2	4.5	1.8			140
144						2.5	1.3	2.0				144

Unit: t

HJFJDB_SY4 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJFJDB_SY4 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — HJFJDB_SY4 Configuration 4/4

Boom length 105~165m, Jib length 12m, Jib offset angle 15° , Superlift Radius 22m, Superlift CWT 440t, Rear CWT 230t, Carbody CWT 80t

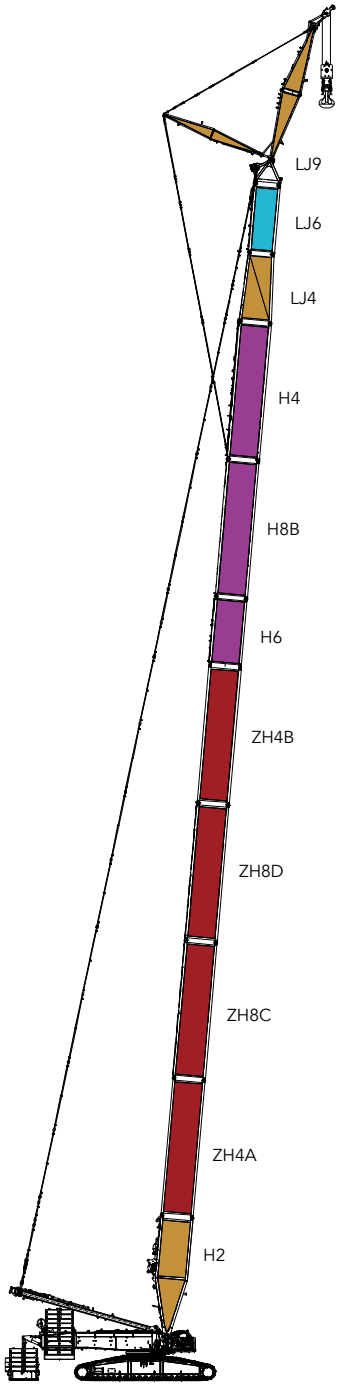
Radius(m)	105	111	117	123	129	135	141	147	153	159	165	Radius(m)
15	240*											15
16	240*	240*	240*									16
17	240*	240*	240*	240*	240*							17
18	240*	240*	240*	240*	240*	238*	220*					18
19	240*	240*	240*	240*	240*	238*	220*	199*	187*			19
20	240*	240*	240*	240*	240*	238*	220*	199*	187*	171*	163*	20
22	240*	240*	240*	240*	240*	239*	220*	200*	187*	171*	163*	22
24	240*	240*	240*	240*	240*	238*	220*	199*	187*	172*	163*	24
26	240*	240*	240*	240*	240*	239*	220*	202*	189*	172*	164*	26
28	240*	240*	240*	240*	240*	238*	220*	202*	189*	172*	165*	28
30	240*	240*	240*	240*	240*	235*	220*	203*	189*	172*	164*	30
32	240*	240*	240*	240*	240*	230*	224*	203*	190*	171*	164*	32
34	240*	240*	240*	240*	236*	224*	224*	202*	190*	170*	163*	34
36	237*	240*	240*	240*	230*	219*	225*	201*	189*	169*	162*	36
38	232*	235*	239	240	226*	215*	221*	200*	188*	168*	162*	38
40	226*	230	234	238	220	211*	218	199*	187*	168*	161*	40
44	215	220	225	228	211	201	209	196	185	166*	159*	44
48	205	210	215	219	203	194	201	194	183	164	157	48
52	196	200	205	206	195	185	195	191	181	162	155	52
56	188	192	188	187	184	179	181	180	177	160	153	56
60	176	175	171	170	167	166	165	163	160	158	151	60
64	162	160	157	155	153	151	150	148	146	144	141	64
68	149	147	144	142	140	138	137	135	133	131	128	68
72	137	136	132	131	128	127	125	124	121	119	116	72
76	127	126	122	120	118	116	115	113	111	109	106	76
80	118	116	113	111	109	107	106	104	102	100	97.1	80
84	109	108	104	103	100	99.2	98.0	96.3	93.8	92.0	88.7	84
88	102	100	97.1	95.6	93.1	91.5	90.4	88.7	86.1	84.4	81.1	88
92	95.2	93.7	90.1	88.6	86.2	84.6	83.4	81.7	79.2	77.5	74.1	92
96	88.8	87.3	83.7	82.2	79.8	78.2	77.0	75.3	72.8	71.1	67.8	96
100	82.9	81.4	77.8	76.3	73.9	72.3	71.2	69.5	67.0	65.2	61.9	100
104	77.4	76.0	72.4	70.9	68.5	66.9	65.8	64.1	61.6	59.8	56.5	104
108	72.3	70.9	67.3	65.8	63.4	61.9	60.7	59.0	56.5	54.8	51.5	108
112	67.4	66.1	62.6	61.1	58.7	57.2	56.0	54.4	51.9	50.1	46.8	112
116	62.9	61.7	58.1	56.7	54.3	52.8	51.7	50.0	47.5	45.8	42.5	116
120		57.4	54.0	52.6	50.2	48.7	47.6	45.9	43.4	41.7	38.4	120
124			50.0	48.7	46.4	44.9	43.7	42.1	39.6	37.9	34.6	124
128			46.2	45.0	42.7	41.2	40.1	38.5	36.0	34.3	31.0	128
132				41.5	39.3	37.8	36.7	35.1	32.6	30.9	27.6	132
136					35.9	34.6	33.5	31.9	29.4	27.8	24.5	136
140					32.7	31.4	30.4	28.8	26.4	24.7	21.5	140
144						28.5	27.5	26.0	23.5	21.9	18.6	144
148							24.7	23.2	20.8	19.2	15.9	148
152							22.0	20.5	18.2	16.6	13.3	152
156								18.0	15.3	14.1	10.9	156
160									12.7	11.7	8.5	160
164									10.2	8.4	6.2	164
168										6.1	2.4	168

HJFJ_4 Configuration

Boom combination in HJFJ_4

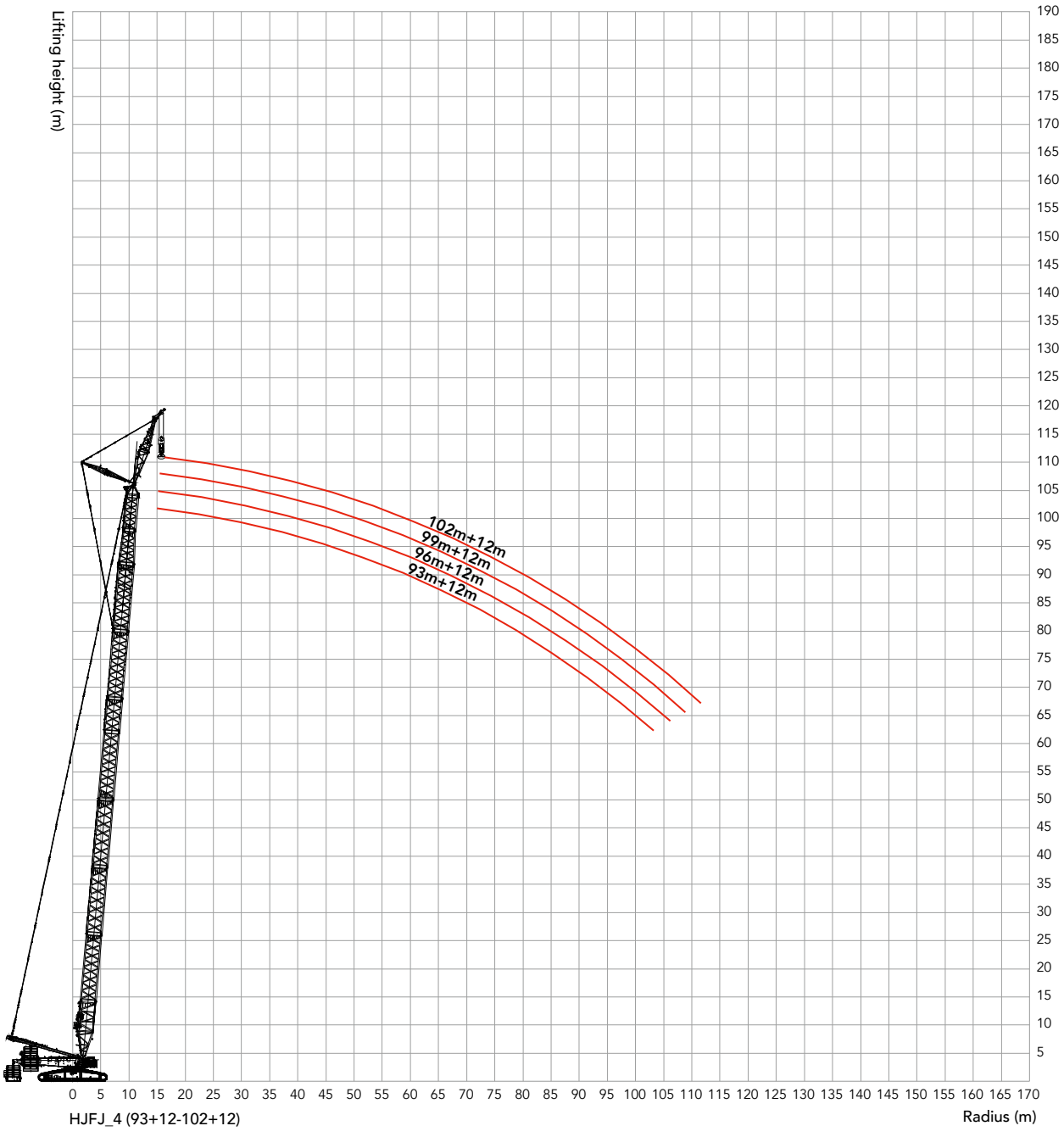
Boom length (m)	Power boom				Boom insert			Jib insert	
	12m lower transition section	12mC	12mD	12m upper transition section	3m	6m	12mB	6m	
93	1	1	1	1	1	1	-	1	Fixed Jib 12m
96	1	1	1	1	-	-	1	1	
99	1	1	1	1	1	-	1	1	
102	1	1	1	1	-	1	1	1	

Note: The 10.5 m boom base, 12 m boom transition section , 6m jib tapered insert and Jib connecting tip are must.



HJFJ_4
(93+12-102+12)

HJFJ_4 Working Radius



HJFJ_4 (93+12-102+12)

Unit: t

HJFJ_4 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJFJ_4 configurations.

SCC9000A Crawler Crane — HJFJ_4 Configuration

Boom length 93~102m, Jib length 12m, Jib offset angle 15° , Rear CWT 230t,
Additional rear counterweight 80t, Carbody CWT 80t

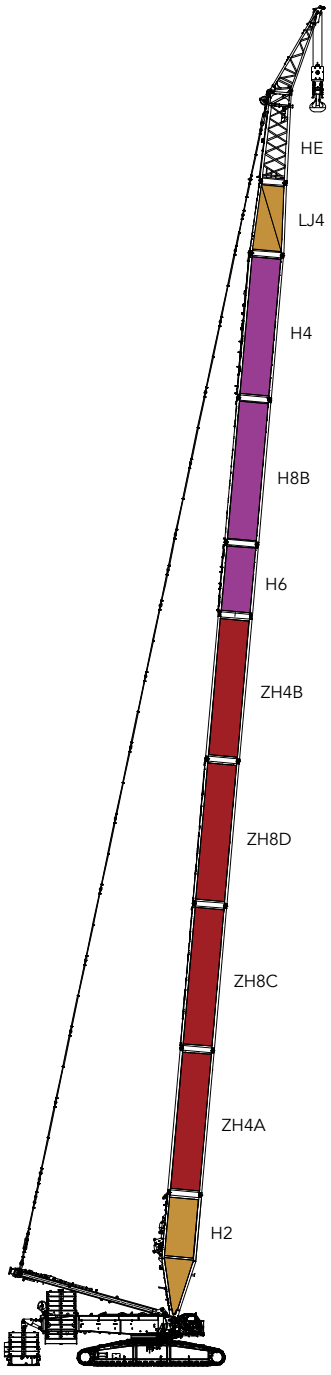
Radius(m)	93	96	99	102	Radius(m)
14	240	240	240		14
15	240	240	240	227	15
16	240	240	240	227	16
17	240	240	238	224	17
18	240	237	233	222	18
19	227	224	220	217	19
20	214	212	209	206	20
22	189	189	188	186	22
24	169	169	168	167	24
26	153	152	151	150	26
28	138	138	137	136	28
30	126	126	124	124	30
32	115	115	114	113	32
34	106	105	104	103	34
36	97.7	97.3	96.2	95.4	36
38	90.3	89.9	88.7	87.9	38
40	83.6	83.2	82.0	81.2	40
44	72.0	71.6	70.4	69.7	44
48	62.4	62.0	60.8	60.0	48
52	54.3	53.9	52.7	51.9	52
56	47.4	47.0	45.8	45.0	56
60	41.4	41.0	39.8	39.0	60
64	36.1	35.7	34.5	33.7	64
68	31.5	31.1	29.9	29.1	68
72	27.4	26.9	25.8	25.0	72
76	23.7	23.3	22.1	21.3	76
80	20.3	19.9	18.8	18.0	80
84	17.3	16.9	15.7	15.0	84
88	14.5	14.1	13.0	12.2	88
92	12.0	11.6	10.4	9.7	92
96	9.6	9.2	8.0	6.4	96
100	7.4	7.0	4.7	3.0	100
104	5.2	5.0	3.9	3.0	104
108		2.9	1.9	1.3	108

HJHE_4 Configuration

Boom combination in HJHE_4

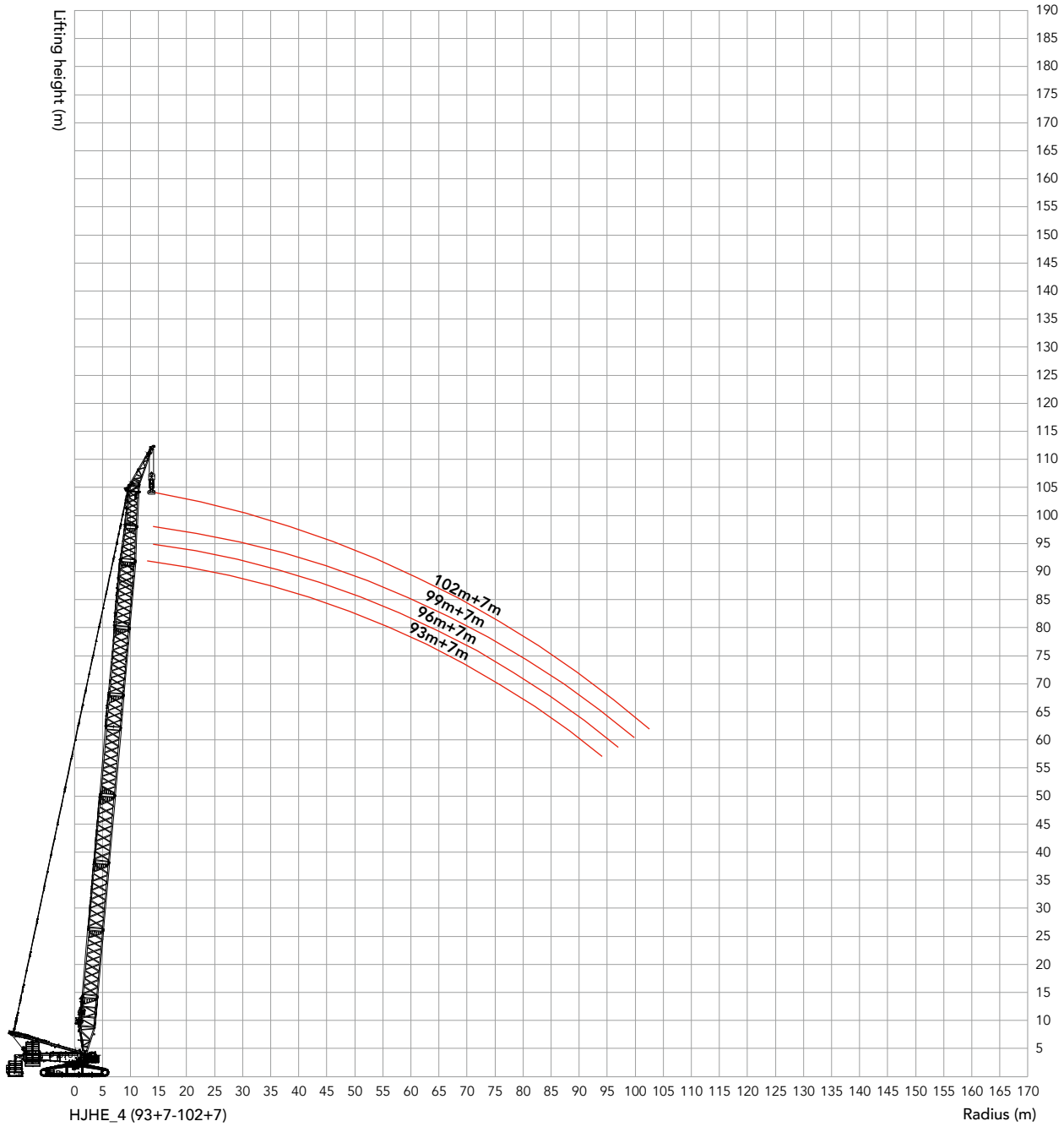
Boom length (m)	Power boom				Boom insert			Jib insert	
	12m lower transition section	12mC	12mD	12m upper transition section	3m	6m	12mB	6m	
93	1	1	1	1	1	1	-	1	Eagle tip 7m
96	1	1	1	1	-	-	1	1	
99	1	1	1	1	1	-	1	1	
102	1	1	1	1	-	1	1	1	

Note: The 10.5 m boom base, 12 m boom transition section and 6m jib tapered insert are must.



HJHE_4
(93+7-102+7)

HJHE_4 Working Radius



Unit: t

HJHE_4 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of HJHE_4 configurations.

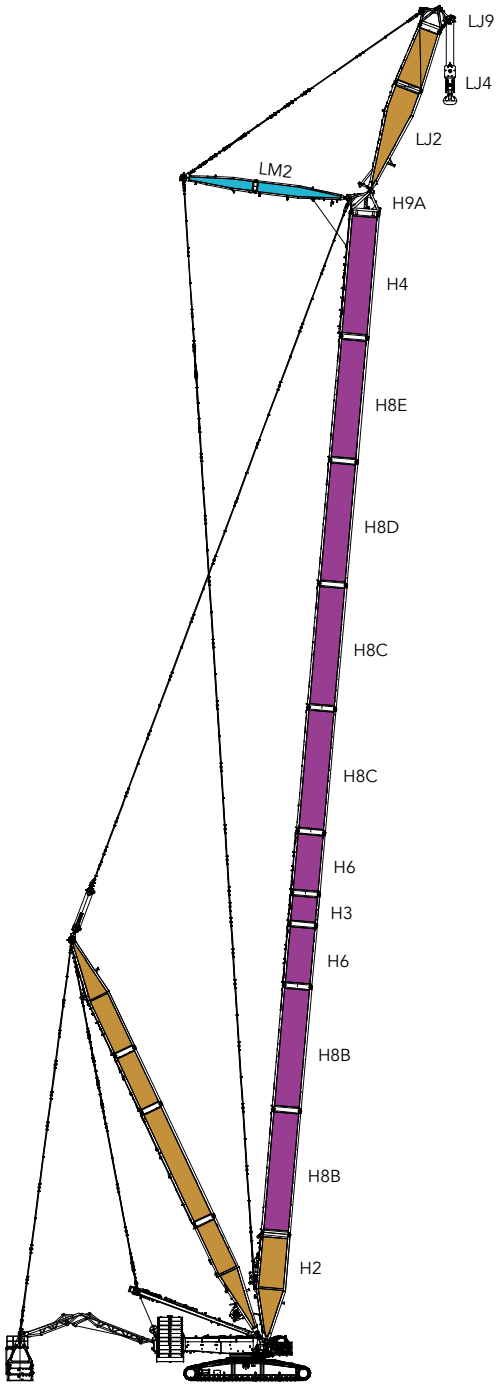
SCC9000A Crawler Crane — HJHE_4 Configuration					
Boom length 93~102m, Rear CWT 230t, Additional rear counterweight 80t, Carbody CWT 80t					
Radius(m)	93	96	99	102	Radius(m)
13	178				13
14	178	179	179	180	14
15	176	177	177	178	15
16	173	175	174	175	16
17	171	172	172	173	17
18	169	170	170	172	18
19	167	168	168	169	19
20	165	165	166	167	20
22	160	161	162	163	22
24	156	158	159	160	24
26	154	154	156	155	26
28	149	151	150	148	28
30	142	141	138	136	30
32	132	130	128	126	32
34	122	121	119	117	34
36	114	112	110	109	36
38	106	105	103	101	38
40	99.4	98.4	96.4	94.9	40
44	86.0	85.8	84.5	83.1	44
48	74.5	74.2	73.2	72.5	48
52	64.9	64.6	63.6	62.9	52
56	56.8	56.5	55.4	54.8	56
60	49.8	49.6	48.5	47.8	60
64	43.8	43.5	42.4	41.8	64
68	38.5	38.2	37.2	36.5	68
72	33.8	33.6	32.5	31.8	72
76	29.6	29.4	28.3	27.6	76
80	25.9	25.6	24.6	23.9	80
84	22.4	22.2	21.2	20.5	84
88	19.3	19.1	18.1	17.4	88
92		16.2	15.2	14.6	92
96				12.0	96

FJhDB Configuration

Boom combination in FJhDB

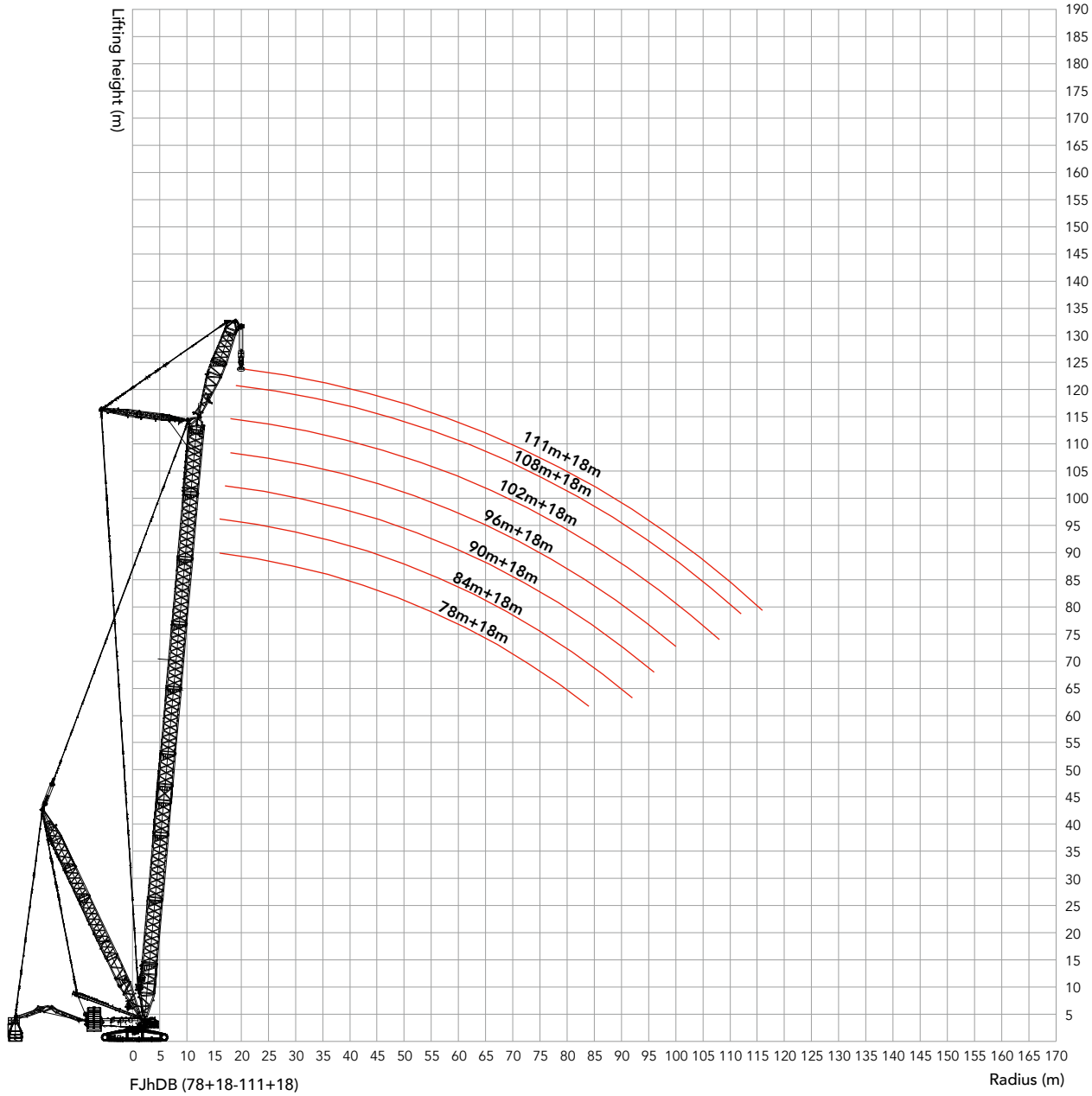
Boom length (m)	Boom insert						
	3m	6m	12mB	12mC	12mD	12mE	
78	-	1	2	2	-	-	Heavy jib 18m
84	-	2	2	2	-	-	
90	-	1	2	2	1	-	
96	-	2	2	2	1	-	
102	-	1	2	2	1	1	
108	-	2	2	2	1	1	
111	1	2	2	2	1	1	

Note: The 10.5 m boom base, 12 m boom transition section ,500t pulley block and 1.5m boom top are must.



FJhDB
(78+18-111+18)

FJhDB Working Radius



FJhDB (78+18-111+18)

Unit: t

FJhDB Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of FJhDB configurations.

SCC9000A Crawler Crane — FJhDB Configuration 1/4

Boom length 78~111m, Jib length 18m, Jib offset angle 15° , Superlift Radius 16m, Superlift CWT 0t,
Rear CWT 230t, Carbody CWT 80t

Radius(m)	78	84	90	96	102	108	111	Radius(m)
16	242	242						16
17	223	222	209					17
18	205	205	205	187	161			18
19	190	189	189	187	161	144	135	19
20	177	176	175	175	161	144	135	20
22	153	152	152	151	151	143	135	22
24	134	133	133	132	132	131	130	24
26	119	117	117	115	116	114	114	26
28	105	104	103	102	102	100	100	28
30	94.1	92.4	91.7	90.4	90.3	88.9	88.1	30
32	93.9	82.3	81.6	80.2	80.0	78.6	77.7	32
34	84.4	82.7	72.7	71.2	71.0	69.5	68.6	34
36	76.0	74.3	73.5	63.3	63.0	61.4	60.5	36
38	68.6	66.8	65.9	64.4	55.9	54.3	53.3	38
40	61.9	60.0	59.2	57.6	57.3	47.9	46.9	40
44	57.0	48.5	47.6	45.9	45.5	43.8	42.8	44
48	46.8	44.9	37.9	36.2	35.8	34.0	33.0	48
52	38.1	36.2	35.3	33.6	27.6	25.7	24.7	52
56	30.7	28.8	27.8	26.1	25.7	18.7	17.6	56
60	24.2	22.3	21.4	19.6	19.1	17.3	16.2	60
64	18.6	16.6	15.7	13.9	13.4	11.6	10.5	64
68	13.6	11.6	10.7	8.8	8.4	6.5	5.4	68
72	9.1	7.1	6.2	4.3	3.9	2.0	0.9	72
76	5.0	3.1	2.1	0.3				76

Unit: t

FJhDB Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of FJhDB configurations.

SCC9000A Crawler Crane — FJhDB Configuration 2/4

Boom length 78~111m, Jib length 18m, Jib offset angle 15° , Superlift Radius 18m, Superlift CWT 100t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	78	84	90	96	102	108	111	Radius(m)
16	272	242						16
17	272	242	209					17
18	272	242	209	187	161			18
19	273	243	209	187	161	144	135	19
20	275	244	210	188	161	144	135	20
22	257	244	211	188	161	143	135	22
24	229	228	212	189	162	143	134	24
26	205	204	203	190	161	142	134	26
28	185	184	183	182	160	142	133	28
30	168	166	166	165	159	141	132	30
32	163	151	151	149	149	140	131	32
34	149	147	137	136	136	134	130	34
36	137	135	134	124	124	122	122	36
38	126	124	123	122	114	112	111	38
40	116	114	114	112	112	102	102	40
44	106	98.1	97.3	95.6	95.3	93.6	92.7	44
48	92.1	90.3	83.3	81.6	81.2	79.5	78.5	48
52	79.8	77.9	77.0	75.4	69.3	67.6	66.5	52
56	69.3	67.4	66.5	64.7	64.4	57.4	56.3	56
60	60.1	58.2	57.3	55.6	55.2	53.3	52.3	60
64	52.2	50.2	49.3	47.5	47.1	45.3	44.2	64
68	45.1	43.2	42.2	40.4	40.0	38.1	37.1	68
72	38.8	36.9	36.0	34.1	33.7	31.8	30.7	72
76	33.1	31.2	30.3	28.4	28.0	26.1	25.0	76
80	22.6	26.1	25.2	23.3	22.9	21.0	19.9	80
84	18.4	21.4	20.5	18.7	18.3	16.4	15.3	84
88		12.4	16.3	14.4	14.0	12.1	11.0	88
92		8.9	7.8	10.5	10.1	8.2	7.1	92
96			4.6	6.9	6.5	4.6	3.5	96
100					3.2	1.3		100

Unit: t

FJhDB Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of FJhDB configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — FJhDB Configuration 3/4

Boom length 78~111m, Jib length 18m, Jib offset angle 15° , Superlift Radius 20m, Superlift CWT 200t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	78	84	90	96	102	108	111	Radius(m)
16	272*	242*						16
17	272	242*	209*					17
18	272	242*	209*	187*	161*			18
19	273	243	209*	187*	161*	144*	135*	19
20	275	244	210*	188*	161*	144*	135*	20
22	277	244	211	188	161*	143*	135*	22
24	278	246	212	189	162	143*	134*	24
26	279	247	212	190	161	142	134*	26
28	275	247	213	190	160	142	133	28
30	251	249	213	190	159	141	132	30
32	240	229	214	190	158	140	131	32
34	222	220	210	191	157	139	130	34
36	206	204	203	190	156	138	129	36
38	191	189	188	187	155	137	128	38
40	178	176	175	174	154	136	127	40
44	158	153	152	151	151	134	125	44
48	140	138	134	132	132	130	123	48
52	125	123	122	120	116	114	113	52
56	112	110	109	107	107	100	99.7	56
60	100	98.5	97.6	95.9	95.5	93.7	92.6	60
64	89.8	87.9	87.0	85.2	84.8	83.0	81.9	64
68	80.4	78.5	77.6	75.8	75.4	73.6	72.5	68
72	72.1	70.2	69.3	67.5	67.1	65.2	64.1	72
76	64.6	62.7	61.8	60.0	59.6	57.7	56.6	76
80	52.4	56.0	55.1	53.3	52.8	51.0	49.9	80
84	46.8	49.8	49.0	47.1	46.7	44.8	43.8	84
88		39.5	43.4	41.5	41.2	39.3	38.2	88
92		34.8	33.7	36.4	36.0	34.2	33.1	92
96			29.3	31.7	31.3	29.4	28.4	96
100				23.2	26.9	25.1	24.0	100
104					19.0	21.0	20.0	104
108					15.5	17.3	16.2	108
112						10.2	12.6	112
116							6.0	116

Unit: t

FJhDB Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of FJhDB configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — FJhDB Configuration 4/4

Boom length 78~111m, Jib length 18m, Jib offset angle 15° , Superlift Radius 22m, Superlift CWT 440t, Rear CWT 230t, Carbody CWT 80t

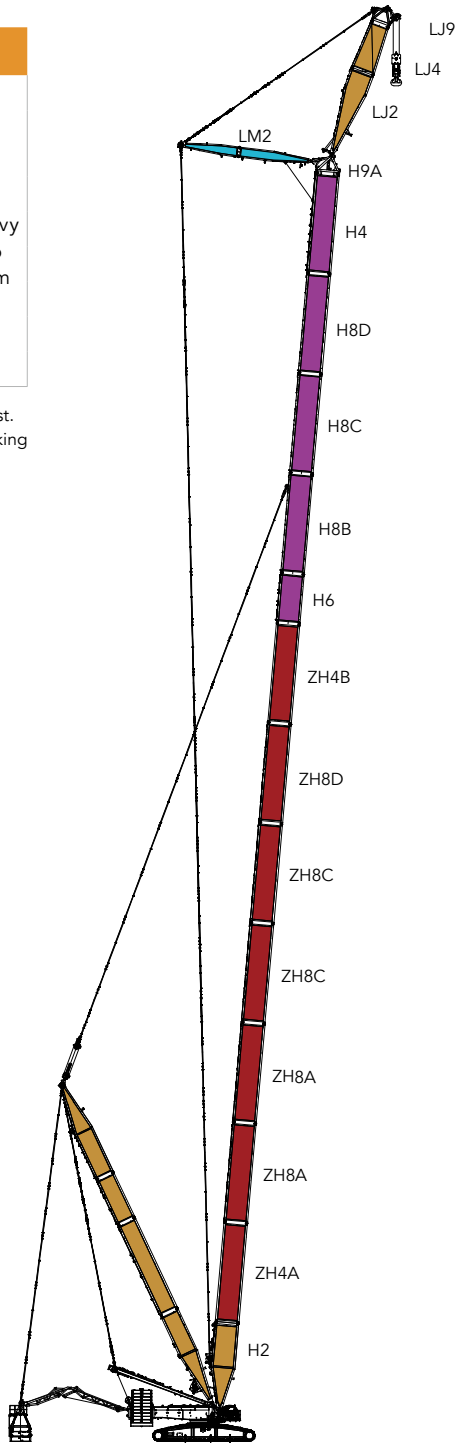
Radius(m)	78	84	90	96	102	108	111	Radius(m)
16	272*	242*						16
17	272*	242*	209*					17
18	272*	242*	209*	187*	161*			18
19	273*	243*	209*	187*	161*	144*	135*	19
20	275*	244*	210*	188*	161*	144*	135*	20
22	277*	244*	211*	188*	161*	143*	135*	22
24	278*	246*	212*	189*	162*	143*	134*	24
26	279*	247*	212*	190*	161*	142*	134*	26
28	280*	247*	213*	190*	160*	142*	133*	28
30	281*	249*	213*	190*	159*	141*	132*	30
32	283*	250*	214*	190*	158*	140*	131*	32
34	285*	251*	214*	191*	157*	139*	130*	34
36	285	251*	214*	190*	156*	138*	129*	36
38	286	253	214*	189*	155*	137*	128*	38
40	287	252	213*	188*	154*	136*	127*	40
44	269	251	209	185*	151*	134*	125*	44
48	242	240	206	182	149*	131*	123*	48
52	218	217	203	179	146*	129*	120*	52
56	199	197	196	176	144*	126*	118*	56
60	181	180	179	172	141	124*	116*	60
64	166	165	164	162	138	121	114*	64
68	153	151	150	148	135	119	111	68
72	141	139	138	137	130	116	109	72
76	131	129	128	126	123	113	106	76
80	121	119	118	117	116	107	102	80
84	112	111	110	108	107	99.9	95.3	84
88		103	102	100	100	93.8	88.8	88
92		95.8	95.0	93.2	92.8	88.0	83.2	92
96			88.3	86.6	86.1	81.3	76.8	96
100				80.4	80.0	75.7	71.5	100
104					74.3	69.2	65.5	104
108					69.0	63.7	59.5	108
112						57.6	53.6	112
116							48.0	116

FJhDB_7 Configuration

Boom combination in FJhDB_7

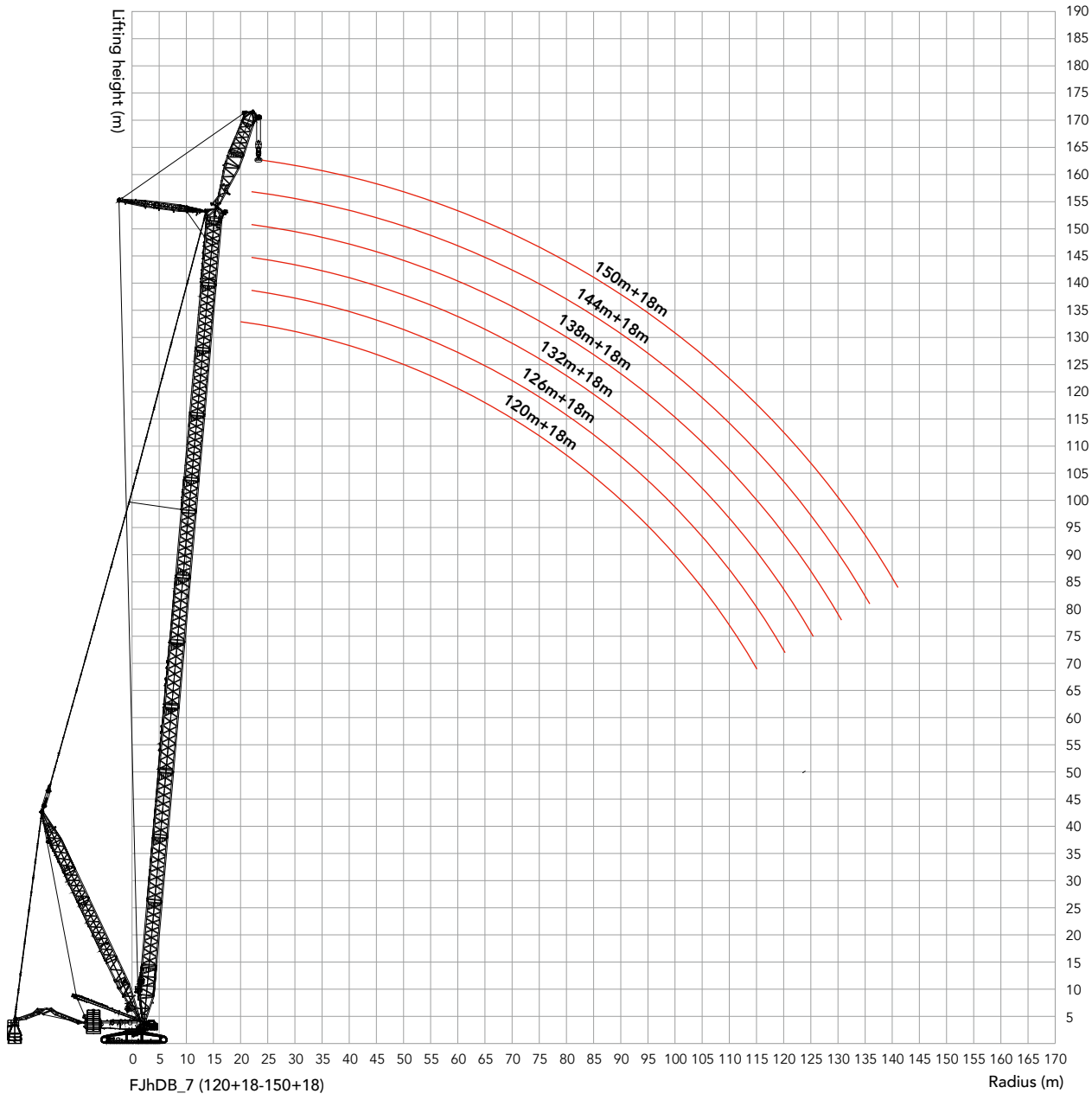
Boom length (m)	Power boom					Boom insert				
	12m lower transition section	12mA	12mC	12mD	12m upper transition section	6m	12mB	12mC	12mD	
120	1	2	2	1	1	-	-	1	-	Heavy jib 18m
126	1	2	2	1	1	1	-	1	-	
132	1	2	2	1	1	-	-	1	1	
138	1	2	2	1	1	1	-	1	1	
144	1	2	2	1	1	-	1	1	1	
150	1	2	2	1	1	1	1	1	1	

Note: The 10.5m boom base, 12m boom transition section ,500t pulley block and 1.5m boom top are must. The mid-point suspension cable must be used for the boom length of 132m+18m-150m+18m in this working condition, otherwise, the boom system may be broken.



FJhDB_7
(120+18-150+18)

FJhDB_7 Working Radius



FJhDB_7 (120+18-150+18)

Unit: t

FJhDB_7 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of FJhDB_7 configurations.

SCC9000A Crawler Crane — FJhDB_7 Configuration 1/4

Boom length 120~150m, Jib length 18m, Jib offset angle 15° , Superlift Radius 16m, Superlift CWT 0t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	120	126	132	138	144	150	Radius(m)
20	166						20
22	146	143	140	135	125		22
24	126	125	125	121	117	108	24
26	109	108	107	106	104	100	26
28	94.7	93.4	93.3	91.9	90.8	89.4	28
30	82.3	80.9	80.7	79.2	78.0	76.5	30
32	71.5	70.0	69.7	68.2	67.0	65.4	32
34	62.0	60.5	60.2	58.6	57.3	55.6	34
36	53.7	52.0	51.7	50.0	48.7	47.0	36
38	46.2	44.5	44.2	42.5	41.1	39.3	38
40	39.6	37.8	37.4	35.7	34.3	32.4	40
44	28.1	26.3	25.9	24.0	22.5	20.6	44
48	25.0	23.1	16.3	14.3	12.8	10.9	48
52	16.4	14.5	14.0	12.1	4.6	2.6	52
56	9.1	7.1	6.6	4.6	3.0	1.0	56
60	2.7	0.7					60
64	1.6						64

Unit: t

FJhDB_7 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of FJhDB_7 configurations.

SCC9000A Crawler Crane — FJhDB_7 Configuration 2/4

Boom length 120~150m, Jib length 18m, Jib offset angle 15° , Superlift Radius 18m, Superlift CWT 150t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	120	126	132	138	144	150	Radius(m)
20	209						20
22	211	189	163	141	125		22
24	212	189	162	140	124	108	24
26	212	188	161	139	123	107	26
28	211	187	160	139	122	106	28
30	191	186	159	138	121	106	30
32	173	172	158	137	120	105	32
34	157	156	156	136	119	104	34
36	143	142	141	135	118	103	36
38	131	129	129	127	118	102	38
40	120	118	118	116	115	102	40
44	101	99.3	98.9	97.1	95.6	93.8	44
48	91.6	89.8	82.9	81.1	79.5	77.6	48
52	77.7	75.8	75.4	73.5	66.0	64.0	52
56	65.8	63.9	63.4	61.5	59.9	57.9	56
60	55.5	53.6	53.1	51.1	49.5	47.4	60
64	51.0	44.6	44.1	42.0	40.4	38.3	64
68	42.8	40.8	36.1	34.1	32.4	30.3	68
72	35.5	33.5	33.0	27.0	25.3	23.2	72
76	28.9	26.9	26.4	24.4	22.7	16.8	76
80	23.0	21.0	20.5	18.4	16.8	14.6	80
84	17.7	15.7	15.1	13.1	11.4	9.2	84
88	12.8	10.8	10.2	8.2	6.5	4.3	88
92	8.3	6.3	5.8	3.7	2.0		92
96	4.2	2.2	1.7				96
100	0.4						100

Unit: t

FJhDB_7 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of FJhDB_7 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — FJhDB_7 Configuration 3/4

Boom length 120~150m, Jib length 18m, Jib offset angle 15° , Superlift Radius 20m, Superlift CWT 300t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	120	126	132	138	144	150	Radius(m)
20	209*						20
22	211*	189*	163*	141*	125*		22
24	212*	189*	162*	140*	124*	108*	24
26	212*	188*	161*	139*	123*	107*	26
28	213	187*	160*	139*	122*	106*	28
30	213	186	159*	138*	121*	106*	30
32	212	184	158*	137*	120*	105*	32
34	210	183	157	136*	119*	104*	34
36	209	181	156	135	118*	103*	36
38	207	180	155	134	118*	102*	38
40	206	178	154	133	117	102*	40
44	181	176	152	131	115	100	44
48	160	158	149	129	113	98.3	48
52	141	140	139	127	111	96.4	52
56	126	124	123	122	109	94.5	56
60	112	110	110	108	106	92.6	60
64	100	99.0	98.5	96.6	95.1	90.7	64
68	90.5	88.6	88.0	86.1	84.6	82.6	68
72	81.2	79.3	78.7	76.8	75.2	73.3	72
76	72.9	71.0	70.4	68.5	66.9	64.4	76
80	65.4	63.5	62.9	61.0	59.4	57.4	80
84	58.6	56.7	56.1	54.2	52.6	50.6	84
88	52.4	50.5	49.9	48.0	46.4	44.4	88
92	46.8	44.9	44.3	42.3	40.7	38.7	92
96	41.5	39.5	39.0	36.9	35.2	33.1	96
100	36.2	34.2	33.7	31.6	29.9	27.7	100
104	31.2	29.2	28.7	26.6	25.0	22.8	104
108	26.6	24.6	24.1	22.1	20.4	18.2	108
112	22.3	20.3	19.9	17.8	16.1	14.0	112
116	18.3	16.3	15.9	13.8	12.1	10.0	116
120	14.5	12.6	12.1	10.1	8.4	6.3	120
124	7.8	9.0	8.6	6.6	4.9	2.8	124
128		2.6	5.2	3.2	1.6		128
132			2.1				132

Unit: t

FJhDB_7 Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of FJhDB_7 configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — FJhDB_7 Configuration 4/4

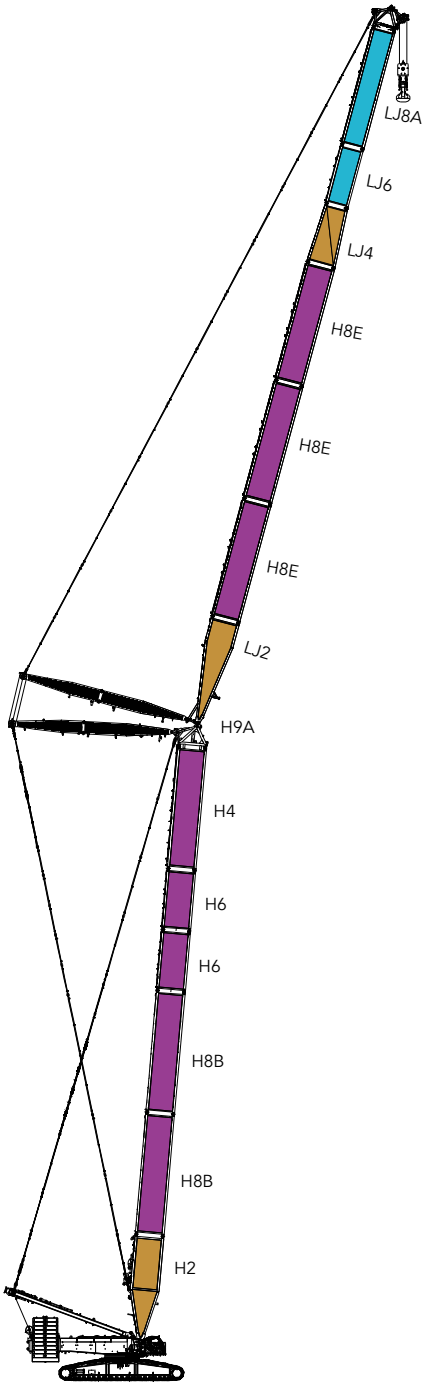
Boom length 120~150m, Jib length 18m, Jib offset angle 15° , Superlift Radius 22m, Superlift CWT 440t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	120	126	132	138	144	150	Radius(m)
20	209*						20
22	211*	189*	163*	141*	125*		22
24	212*	189*	162*	140*	124*	108*	24
26	212*	188*	161*	139*	123*	107*	26
28	213*	187*	160*	139*	122*	106*	28
30	213*	186*	159*	138*	121*	106*	30
32	212*	184*	158*	137*	120*	105*	32
34	210*	183*	157*	136*	119*	104*	34
36	209*	181*	156*	135*	118*	103*	36
38	207*	180*	155*	134*	118*	102*	38
40	206*	178*	154*	133*	117*	102*	40
44	202	176*	152*	131*	115*	100*	44
48	199	172	149*	129*	113*	98.3*	48
52	194	169	147*	127*	111*	96.4*	52
56	182	161	145	124*	109*	94.5*	56
60	164	151	142	122	107*	92.6*	60
64	149	141	139	120	105	90.7*	64
68	136	131	133	118	103	88.8	68
72	124	121	122	116	101	86.9	72
76	113	112	111	109	99.2	85.2	76
80	104	102	101	99.9	97.1	83.4	80
84	95.6	93.7	93.2	91.2	89.6	81.5	84
88	87.7	85.8	85.3	83.3	81.7	79.6	88
92	80.5	78.6	78.1	76.1	74.5	72.5	92
96	73.9	72.0	71.4	69.5	67.9	65.9	96
100	67.8	65.9	65.3	63.4	61.8	59.8	100
104	62.1	59.9	59.7	57.7	56.1	54.2	104
108	56.9	52.7	54.4	52.5	50.9	48.9	108
112	51.9	46.1	49.6	47.6	46.0	44.0	112
116	47.3	39.6	45.0	43.1	41.5	39.5	116
120	43.0	33.4	40.7	38.8	37.2	35.2	120
124	38.9	27.5	36.7	34.8	33.2	31.2	124
128		22.1	32.9	31.0	29.4	27.5	128
132			29.2	27.4	25.9	23.9	132
136				24.0	22.5	20.6	136
140					19.3	17.4	140
144					16.2	14.3	144
148						11.4	148

LJ Configuration

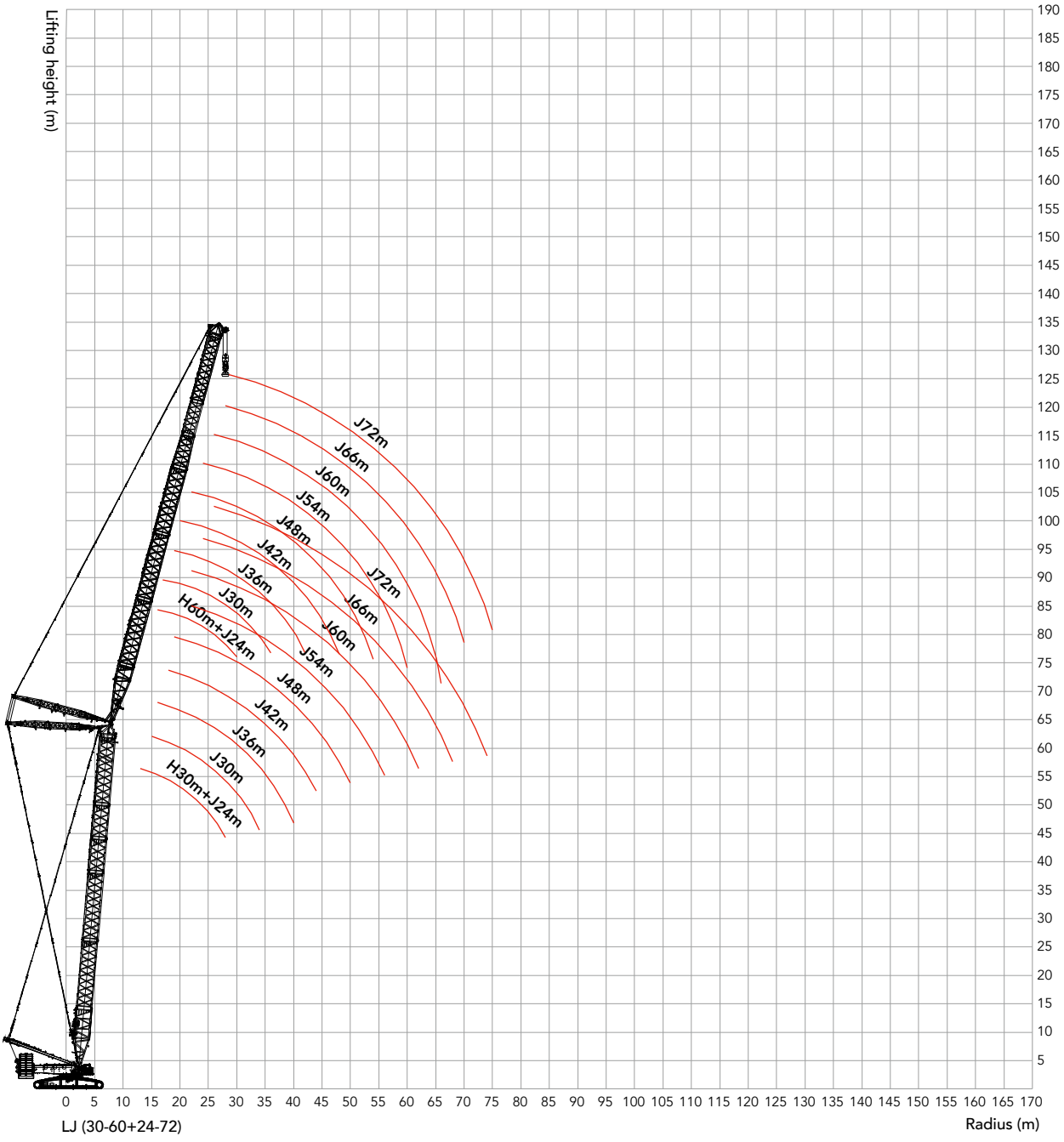
Boom combination in LJ			
Boom length (m)	Boom insert	Jib insert	
	12mE	6m	12mA
24	-	1	-
30	1	-	-
36	1	1	-
42	2	-	-
48	2	1	-
54	3	-	-
60	3	1	-
66	3	-	1
72	3	1	1
78	3	-	2
84	3	1	2
90*	3	-	3
96*	3	1	3

Note:The boom is the same as H configuration
The 10.5 m jib base,6m jib tapered insert, 500t pulley block and Jib connecting tip are must.
The mid-point suspension cable must be used for the boom length with the symbol "*" in this working condition, otherwise, the boom system may be broken.



LJ
(30-60+24-72)

LJ Working Radius



LJ (30-60+24-72)

Unit: t

LJ Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of LJ configurations.

SCC9000A Crawler Crane — LJ Configuration 1/4

Boom length 30m, Boom angle 65° , Jib length 24~72m, Rear CWT 230t, Carbody CWT 80t

Radius(m)	24	30	36	42	48	54	60	66	72	Radius(m)
32	116									32
34	107	106								34
36	99.4	98.2								36
38	92.2	91.4	90.2							38
40		85.3	84.2							40
42		79.7	78.8	77.1						42
44		74.5	73.9	72.3	71.0					44
46			69.4	67.9	66.7					46
48			65.3	64.0	62.7	60.9				48
50			61.4	60.3	59.2	57.3				50
52				56.9	55.8	54.1	52.7			52
54				53.7	52.8	51.1	49.8			54
56				50.7	49.9	48.3	47.0	46.2		56
58					47.3	45.7	44.4	43.6	42.3	58
60					44.7	43.2	42.0	41.3	39.9	60
62						41.0	39.8	39.1	37.7	62
64						38.8	37.7	37.0	35.7	64
66						36.7	35.7	35.1	33.8	66
68							33.9	33.2	32.0	68
70							32.1	31.5	30.3	70
72							30.4	29.9	28.6	72
74								28.3	27.1	74
76								26.8	25.7	76
78								25.4	24.3	78
80									23.0	80
82									21.7	82
84									20.5	84

Unit: t

LJ Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of LJ configurations.

SCC9000A Crawler Crane — LJ Configuration 2/4

Boom length 36m, Boom angle 75° , Jib length 24~72m, Rear CWT 230t, Carbody CWT 80t

Radius(m)	24	30	36	42	48	54	60	66	72	Radius(m)
24	172									24
26	158	153								26
28	145	141								28
30	132	131	127							30
32	121	120	118	114						32
34	112	111	110	107	104					34
36		103	102	100	97.6	93.9				36
38		96.0	95.2	93.7	91.8	88.3				38
40		89.3	88.8	87.4	86.2	83.1	80.4			40
42			83.1	81.7	80.6	78.5	75.8	73.8		42
44			77.9	76.7	75.6	73.9	71.6	69.7	67.1	44
46			73.1	72.0	71.0	69.3	67.8	65.9	63.5	46
48				67.8	66.9	65.2	64.0	62.5	60.1	48
50				63.9	63.1	61.4	60.2	59.3	56.9	50
52				60.2	59.5	58.0	56.8	56.1	54.0	52
54					56.3	54.8	53.6	52.9	51.3	54
56					53.2	51.8	50.7	50.0	48.8	56
58					50.3	49.0	48.0	47.3	46.1	58
60						46.4	45.4	44.8	43.6	60
62						44.0	43.1	42.5	41.3	62
64						41.6	40.8	40.3	39.1	64
66							38.7	38.2	37.0	66
68							36.7	36.3	35.1	68
70							34.7	34.4	33.3	70
72								32.7	31.6	72
74								31.0	30.0	74
76									28.4	76
78									26.9	78
80									25.5	80

Unit: t

LJ Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of LJ configurations.

SCC9000A Crawler Crane — LJ Configuration 3/4

Boom length 54m, Boom angle 75° , Jib length 24~72m, Rear CWT 230t, Carbody CWT 80t

Radius(m)	24	30	36	42	48	54	60	66	72	Radius(m)
28	127									28
30	118									30
32	110	106								32
34	103	99.6	96.3							34
36	97.1	93.6	90.4	86.8						36
38	90.9	88.2	85.2	81.7						38
40		83.3	80.4	77.0	74.2					40
42		78.4	76.1	72.8	70.1	66.8				42
44		73.4	72.1	69.0	66.3	63.1	60.5			44
46			68.2	65.4	62.9	59.7	57.2	55.3		46
48			64.1	62.1	59.7	56.6	54.1	52.3		48
50			60.4	59.1	56.7	53.7	51.3	49.5	47.1	50
52				55.7	54.0	51.0	48.7	47.0	44.6	52
54				52.6	51.4	48.5	46.2	44.6	42.2	54
56				49.7	48.8	46.2	44.0	42.3	40.1	56
58					46.2	44.0	41.8	40.2	38.0	58
60					43.7	42.0	39.8	38.3	36.1	60
62					41.4	39.9	37.9	36.4	34.3	62
64						37.8	36.2	34.7	32.6	64
66						35.8	34.5	33.1	31.0	66
68						33.8	32.9	31.5	29.4	68
70							31.2	30.0	28.0	70
72							29.5	28.6	26.6	72
74							27.9	27.3	25.3	74
76								25.9	24.1	76
78								24.5	22.9	78
80								23.1	21.8	80
82									20.7	82
84									19.6	84
86									18.5	86

Unit: t

LJ Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of LJ configurations.

SCC9000A Crawler Crane — LJ Configuration 4/4

Boom length 60m, Boom angle 85° , Jib length 24~72m, Rear CWT 230t, Carbody CWT 80t

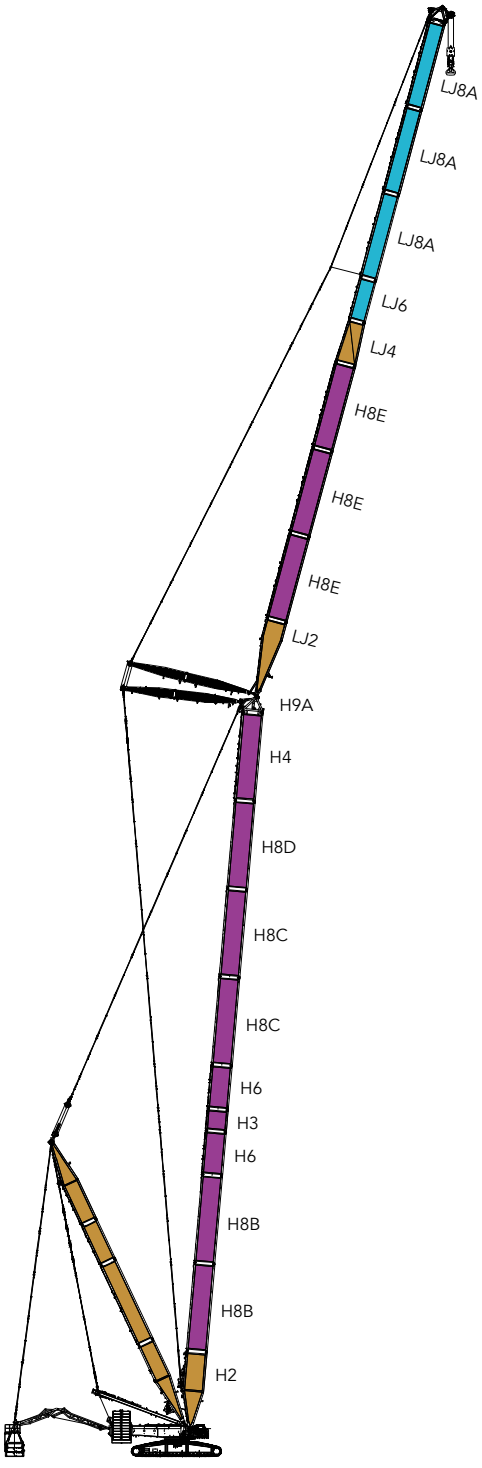
Radius(m)	24	30	36	42	48	54	60	66	72	Radius(m)
16	246									16
17	232	225								17
18	220	213								18
19	209	202	196							19
20	199	192	186	180						20
22	181	175	170	165	160					22
24	166	161	156	151	147	142				24
26	153	148	144	140	136	131	127			26
28	142	138	134	129	126	122	118	115	110	28
30	133	128	125	121	117	113	110	107	104	30
32		120	117	113	109	106	103	100	97.4	32
34		113	109	106	103	99.5	96.5	94.2	91.2	34
36		106	103	100	97.0	93.5	90.7	88.5	85.6	36
38			97.8	94.3	91.5	88.1	85.4	83.3	80.6	38
40			92.6	89.2	86.5	83.2	80.6	78.6	76.0	40
42			87.9	84.6	81.9	78.7	76.2	74.3	71.7	42
44				80.3	77.7	74.6	72.2	70.3	67.9	44
46				76.4	73.9	70.9	68.5	66.7	64.3	46
48				72.9	70.4	67.4	65.0	63.3	61.0	48
50					67.1	64.1	61.9	60.2	57.9	50
52					64.1	61.2	58.9	57.3	55.1	52
54					61.1	58.4	56.2	54.6	52.4	54
56						55.8	53.6	52.1	49.9	56
58						53.4	51.2	49.7	47.6	58
60						50.9	49.0	47.5	45.4	60
62							46.8	45.4	43.3	62
64							44.9	43.4	41.4	64
66								41.6	39.6	66
68								39.8	37.8	68
70								38.2	36.2	70
72									34.7	72
74									33.2	74
76									31.8	76

LJDB Configuration

Boom combination in LJDB

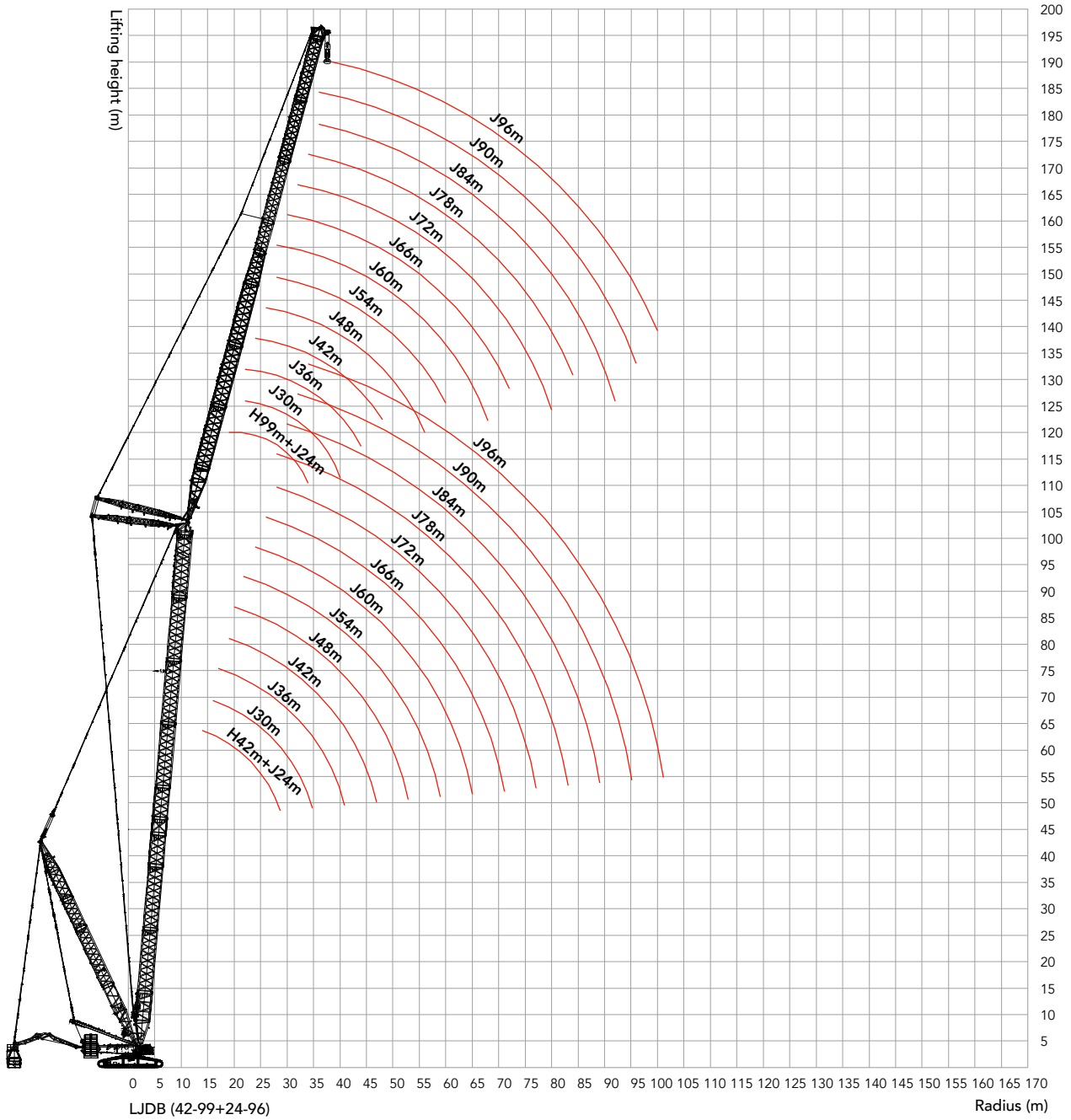
Boom length (m)	Boom insert	Jib insert	
	12mE	6m	12mA
24	-	1	-
30	1	-	-
36	1	1	-
42	2	-	-
48	2	1	-
54	3	-	-
60	3	1	-
66	3	-	1
72	3	1	1
78	3	-	2
84	3	1	2
90*	3	-	3
96*	3	1	3

Note:The boom is the same as H configuration
The 10.5 m jib base, 6m jib tapered insert, 500t pulley block and Jib connecting tip are must.
The mid-point suspension cable must be used for the boom length with the symbol "*" in this working condition, otherwise, the boom system may be broken.



LJDB
(42-99+24-96)

LJDB Working Radius



LJDB (42-99+24-96)

Unit: t

LJDB Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of LJDB configurations.

SCC9000A Crawler Crane — LJDB Configuration 1/4

Boom length 42m, Boom angle 65° , Jib length 24~96m, Superlift Radius 16m, Superlift CWT 0t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius(m)
36	97.2													36
38	90.9													38
40	85.2	83.2												40
44		60.6	59.0											44
48		53.6	52.3	50.1										48
52			46.5	44.5	42.8									52
56				39.7	38.2	35.9	34.1							56
60				35.4	34.0	31.9	30.2	29.1						60
64					30.4	28.3	26.7	25.7	23.9					64
68						25.2	23.6	22.6	20.9	19.8				68
72						22.2	20.9	19.9	18.3	17.2	15.4			72
76							18.3	17.5	15.9	14.8	13.1	11.9		76
80								15.2	13.7	12.7	11.0	9.8	8.0	80
84								13.1	11.7	10.7	9.1	7.9	6.2	84
88									9.8	8.9	7.3	6.2	4.5	88
92										7.2	5.7	4.6	2.9	92
96										5.6	4.2	3.1	1.5	96
100											2.7	1.7		100
104												0.4		104

Unit: t

LJDB Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of LJDB configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — LJDB Configuration 2/4

Boom length 96m, Boom angle 65° , Jib length 24~96m, Superlift Radius 16m, Superlift CWT 440t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius(m)
60	139													60
64	129	127												64
68		118	110											68
72		110	109	94.7	79.2									72
76			102	95.1	81.6	67.4								76
80				94.3	82.4	69.6	57.6							80
84				88.5	82.1	70.6	59.7	49.3						84
88					81.3	70.7	60.7	51.3	41.4					88
92						70.2	61.1	52.4	43.1	34.7*				92
96							60.9	52.9	44.2	36.2	28.0*	21.4*		96
100							60.6	53.0	44.9	37.3	29.4	22.9	16.6*	100
104								52.8	45.1	38.0	30.3	24.1	17.9	104
108									45.1	38.4	31.0	25.1	19.0	108
112									45.1	38.5	31.4	25.7	19.9	112
116										38.6	31.8	26.2	20.6	116
120											31.4	26.5	21.1	120
124											27.4	26.7	21.4	124
128												26.9	21.7	128
132													21.8	132
136													22.1	136

Unit: t

LJDB Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of LJDB configurations.

SCC9000A Crawler Crane — LJDB Configuration 3/4

Boom length 78m, Boom angle 75° , Jib length 24~96m, Superlift Radius 20m, Superlift CWT 100t,
Rear CWT 230t, Carbody CWT 80t

Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius(m)
36	147													36
38	138	136												38
40	130	128	126											40
44	123	121	119	117										44
48		109	108	105	103	101								48
52			97.9	95.8	94.0	91.6	89.6	87.7						52
56			89.2	87.3	85.6	83.2	81.4	80.1	75.6					56
60				79.8	78.2	76.0	74.2	73.0	71.1	64.9	53.5			60
64					71.8	69.6	67.9	66.7	64.9	63.6	54.6	46.3		64
68					66.0	64.0	62.3	61.2	59.5	58.2	55.3	47.1	39.5	68
72						58.9	57.4	56.4	54.6	53.4	51.6	47.7	40.2	72
76							52.9	52.0	50.3	49.1	47.3	46.0	40.8	76
80							41.1	40.4	38.7	37.6	35.8	34.6	32.8	80
84								37.1	35.5	34.4	32.7	31.5	29.7	84
88									32.6	31.5	29.9	28.7	26.9	88
92									29.8	28.9	27.3	26.1	24.4	92
96										26.4	24.9	23.7	22.0	96
100											22.6	21.5	19.9	100
104											20.4	19.5	17.9	104
108												17.5	16.0	108
112													14.2	112

Unit: t

LJDB Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. The load value is calculated when the object is hung freely,without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence ofanyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed;
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient;
6. The superlift counterweight cannot leave the ground in the configurations marked with *;
7. See the Operation Manual for the complete load charts of LJDB configurations;
8. The values marked with" *" in the table mean in this configuration, the superlift counterweight does not leave the ground.

SCC9000A Crawler Crane — LJDB Configuration 4/4

Boom length 99m, Boom angle 85° , Jib length 24~96m, Superlift Radius 22m, Superlift CWT 440t, Rear CWT 230t, Carbody CWT 80t

Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius(m)
19	158*													19
20	158*													20
22	154*	137*	122*											22
24	149*	134*	120*	106*										24
26	144*	130*	117*	104*	93.0*									26
28	139*	126*	114*	102*	91.6*	80.5*	70.9*							28
30	135*	122*	111*	100*	89.9*	79.3*	70.2*	62.0*						30
32	131*	119*	108*	97.6*	88.0*	78.0*	69.2*	61.4*	53.5*					32
34	128*	115*	105*	95.1*	86.1*	76.5*	68.2*	60.7*	53.0*	46.3*				34
36		111*	102*	92.5*	84.0*	74.9*	66.9*	59.8*	52.4*	45.9*	39.1*	33.6*		36
38		108*	99.3*	89.9*	81.9*	73.2*	65.6*	58.8*	51.7*	45.3*	38.7*	33.4*	27.9*	38
40		103*	96.4*	87.4*	79.8*	71.5*	64.3*	57.9*	50.9*	44.7*	38.3*	33.1*	27.7*	40
44			86.1*	81.4*	75.7*	68.1*	61.4*	55.6*	49.1*	43.4*	37.3*	32.3*	27.1*	44
48				72.7*	69.8*	64.7*	58.5*	53.2*	47.2*	41.8*	36.0*	31.3*	26.4*	48
52					62.2*	59.8*	55.6*	50.7*	45.2*	40.2*	34.8*	30.3*	25.5*	52
56					55.5*	53.3*	51.6*	48.3*	43.1*	38.5*	33.4*	29.2*	24.6*	56
60						47.8*	46.0*	44.7*	41.1*	36.8*	31.9*	27.9*	23.6*	60
64							41.5*	40.3*	38.5*	35.1*	30.4*	26.7*	22.5*	64
68							37.2*	36.1*	34.6*	33.3*	29.0*	25.4*	21.5*	68
72								32.8*	31.4*	30.2*	27.5*	24.1*	20.3*	72
76									28.3*	27.4*	26.1*	22.9*	19.2*	76
80									25.6*	24.9*	23.6*	21.6*	18.2*	80
84										22.3*	21.4*	20.4*	17.1*	84
88											19.2*	18.4*	16.0*	88
92											17.4*	16.4*	15.0*	92
96												14.8*	13.9*	96
100													12.5*	100

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