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, pictures and standard/optional equipment are only for reference in this brochure, the actual machine is based on the effective price list and contract.

www.sanyglobal.com

Crawler Crane Series
SCC9000A

SCC9000A
SANY CRAWLER CRANE
900 TONS LIFTING CAPACITY

QUALITY CHANGES THE WORLD

Main Characteristics

> 03

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.

B

SCC9000A
SANY CRAWLER CRANE
900 TONS LIFTING CAPACITY

QUALITY CHANGES THE WORLD

Technical Parameters

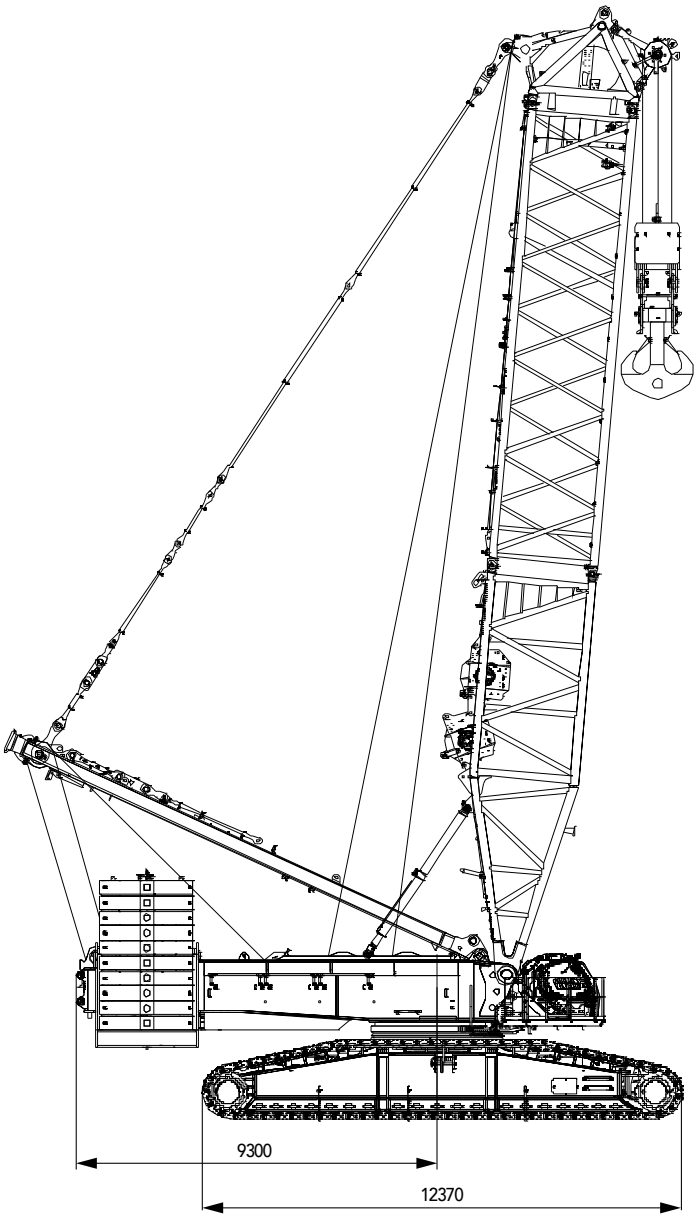
> 10

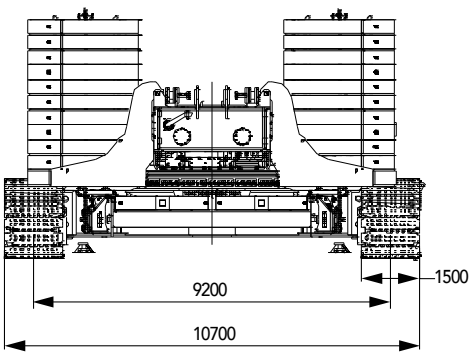
Major Performance Specifications

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

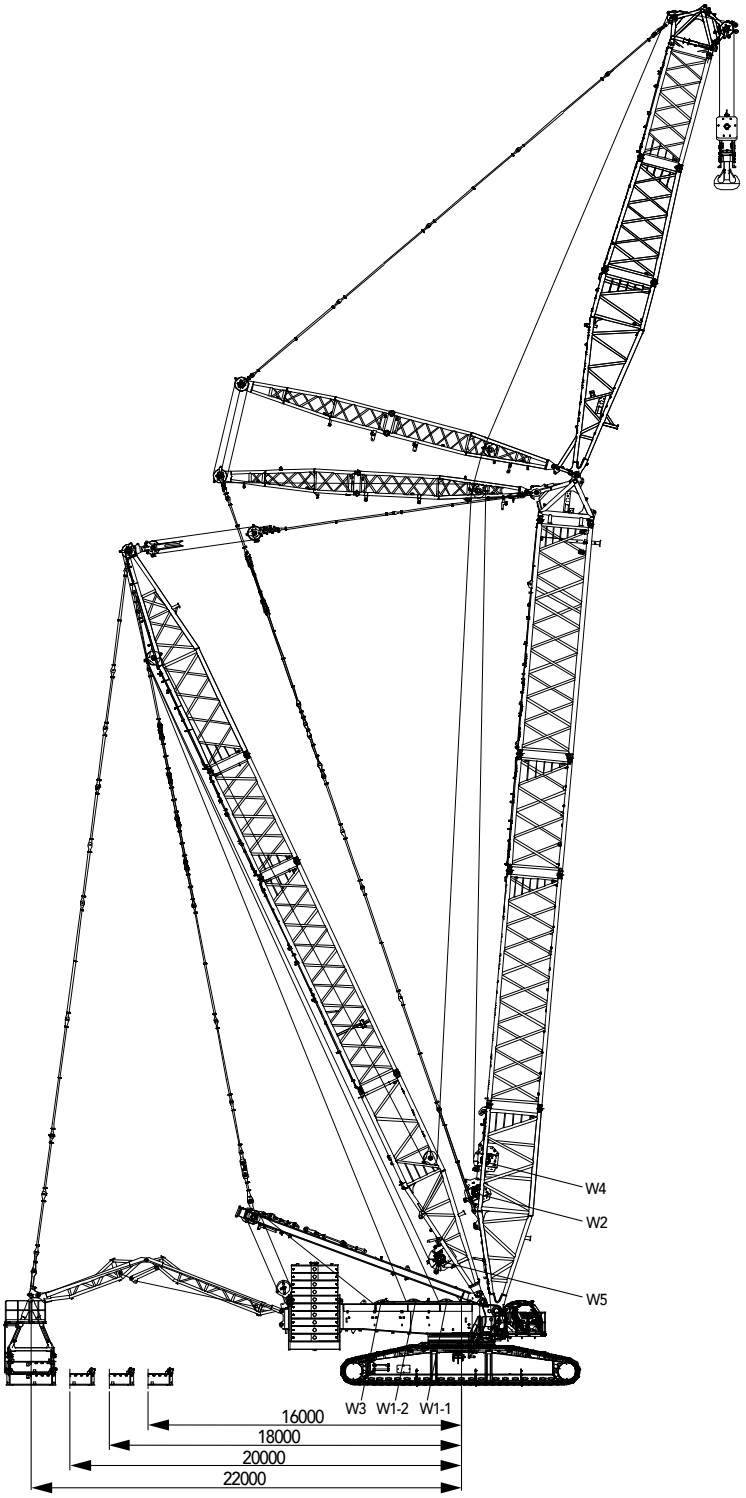
Outline Dimension



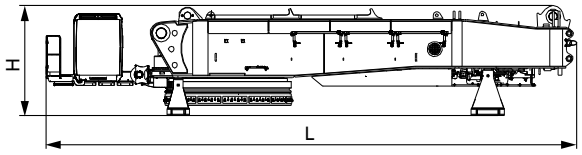


Unit: mm

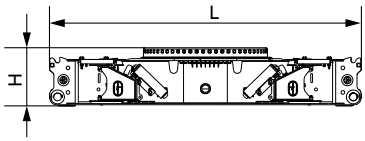
Outline Dimension



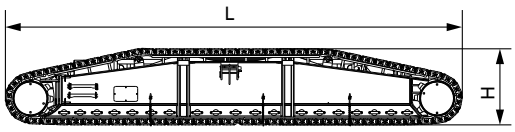
Transport Dimension



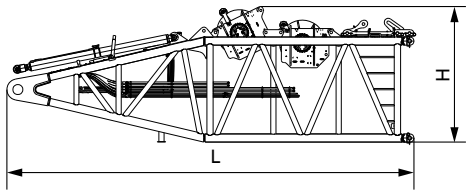
Basic Machine(with quick connector ring)	×1
Length (L)	14.30m
Width (W)	3.45m
Height (H)	2.95m
Weight	52.0t



Carbody (with quick connector ring)	×1
Length (L)	8.56m
Width (W)	3.40m
Height (H)	1.56m
Weight	35.4t

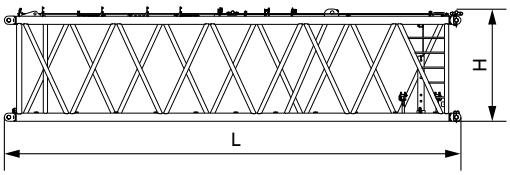


Crawler assembly	×2
Length (L)	12.37m
Width (W)	1.83m
Height (H)	2.00m
Weight	48.0t

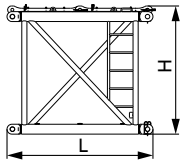


Boom base (H2) (with aux. hoist and jib luffing winches)	×1
Length (L)	10.90m
Width (W)	3.00m
Height (H)	3.32m
Weight	31.3t

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

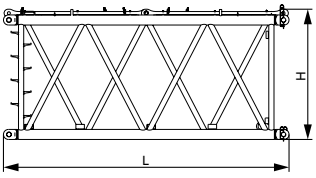


12m transition section (H4)	×1
Length (L)	12.24m
Width (W)	3.00m
Height (H)	3.00m
Weight	9.1t

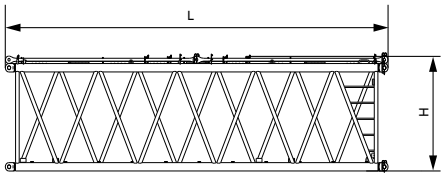


3m boom insert	×1
Length (L)	3.24m
Width (W)	3.00m
Height (H)	3.00m
Weight	2.9t

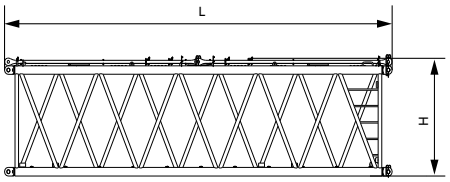
Transport Dimension



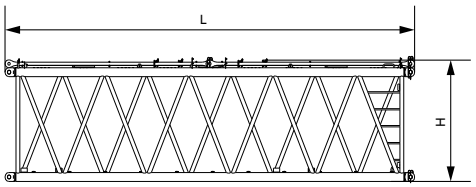
6m boom insert (H6)	×2
Length (L)	6.24m
Width (W)	3.00m
Height (H)	3.00m
Weight	4.95t



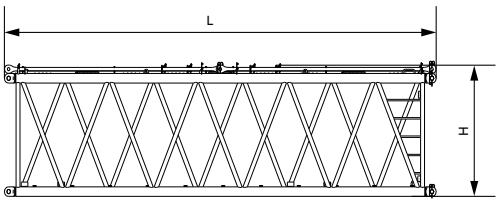
12m boom insert B (H8B)	×2
Length (L)	12.20m
Width (W)	3.00m
Height (H)	3.00m
Weight	9.12t



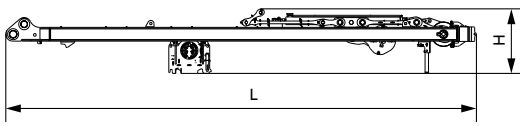
12m boom insert C (H8C)	×2
Length (L)	12.20m
Width (W)	3.00m
Height (H)	3.00m
Weight	8.13t



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

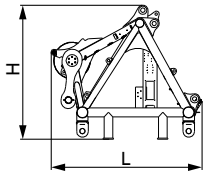


12m boom insert E (H8E)	×3
Length (L)	12.20m
Width (W)	3.00m
Height (H)	3.00m
Weight	7.0t

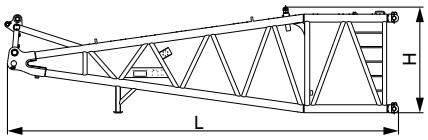


Boom hoist mast	×1
Length (L)	13.67m
Width (W)	2.41m
Height (H)	1.73m
Weight (including boom hoist winch)	23.3t

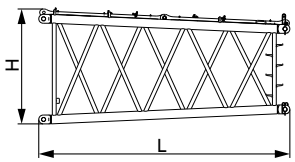
Transport Dimension



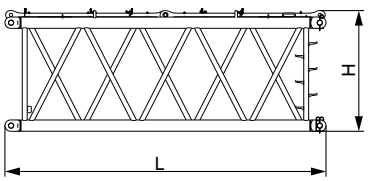
Connecting tip (LJ9)	×1
Length (L)	2.90m
Width (W)	2.64m
Height (H)	2.58m
Weight	4.48t



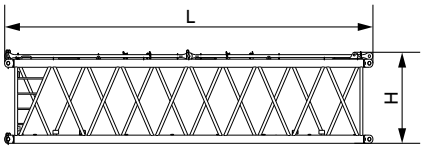
Luffing jib base(LJ2)	×1
Length (L)	10.80m
Width (W)	2.99m
Height (H)	2.96m
Weight	9.0t



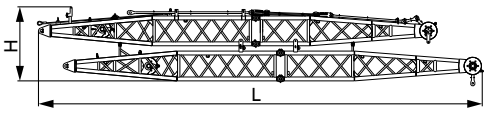
6m jib tapered insert (LJ4)	×1
Length (L)	6.24m
Width (W)	2.99m
Height (H)	3.00m
Weight	3.2t



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

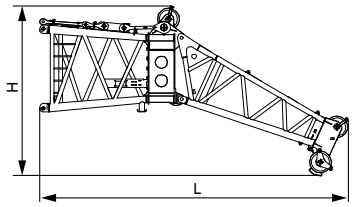


12m luffing jibe insert A (LJ8A)	×3
Length (L)	12.24m
Width (W)	2.45m
Height (H)	2.57m
Weight	5.5t

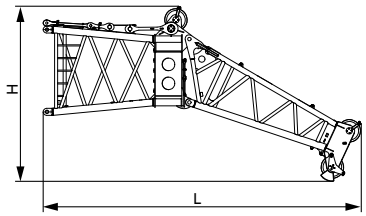


Luffing jib front and back struts	×1
Length (L)	18.00m
Width (W)	2.62m
Height (H)	3.00m
Weight	16.0t

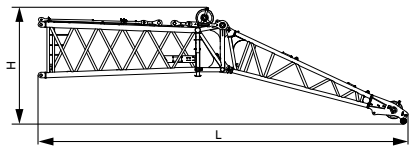
Transport Dimension



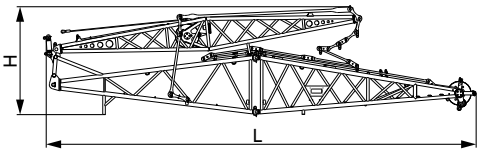
270t Eagle tip assembly	×1
Length (L)	10.00m
Width (W)	2.78m
Height (H)	5.52m
Weight	9.93t



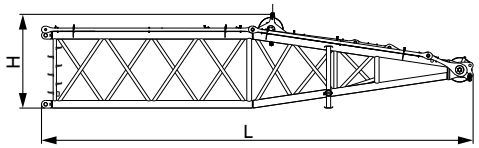
240t Eagle tip assembly	×1
Length (L)	10.06m
Width (W)	3.00m
Height (H)	5.54m
Weight	9.0t



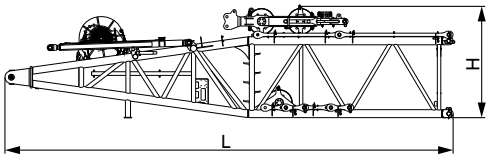
180t Eagle tip assembly	×1
Length (L)	15.00m
Width (W)	2.56m
Height (H)	4.73m
Weight	8.62t



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

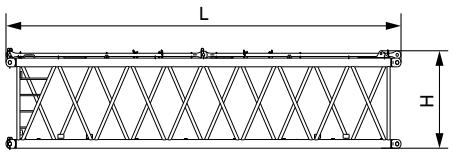


Superlift mast top (D1)	×1
Length (L)	12.51m
Width (W)	2.99m
Height (H)	2.77m
Weight	16.0t

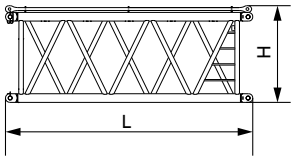


Superlift mast base (D2)	×1
Length (L)	12.30m
Width (W)	2.99m
Height (H)	3.10m
Weight(with winch)	34.8t

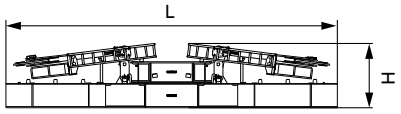
Transport Dimension



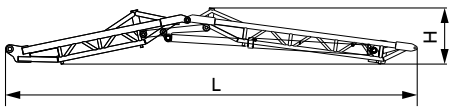
12m superlift mast insert (D6)	×1
Length (L)	12.24m
Width (W)	2.93m
Height (H)	3.00m
Weight	8.34t



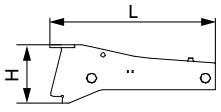
6m superlift mast insert (D4)	×1
Length (L)	6.24m
Width (W)	2.96m
Height (H)	2.43m
Weight	4.8t



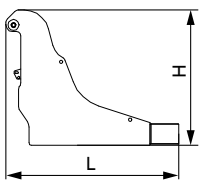
Superlift counterweight frame	×1
Length (L)	9.70m
Width (W)	2.64m
Height (H)	1.87m
Weight	33.5t



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

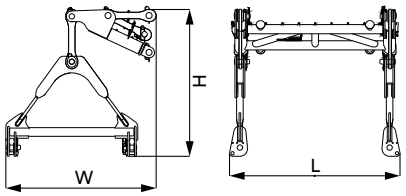


Carbody counterweight tray	×2
Length (L)	2.98m
Width (W)	5.44m
Height (H)	1.06m
Weight	20.0t

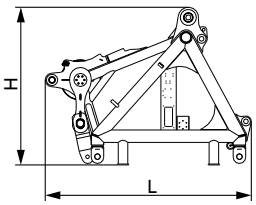


Rear counterweight tray	×2
Length (L)	3.45m
Width (W)	2.82m
Height (H)	2.70m
Weight	15.0t

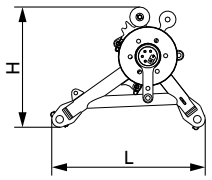
Transport Dimension



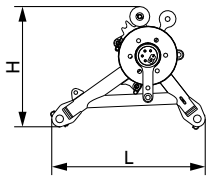
Additional tray of rear counterweight	×1
Length (L)	3.12m
Width (W)	2.75m
Height (H)	2.68m
Weight	2.26t



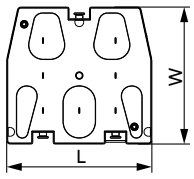
Connecting tip (H9A)	×1
Length (L)	3.73m
Width (W)	2.99m
Height (H)	2.77m
Weight	6.6t



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

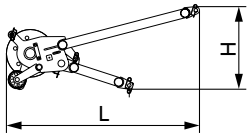


Pulley block (500t)	×2
Length (L)	1.84m
Width (W)	1.67m
Height (H)	1.44m
Weight	1.8t



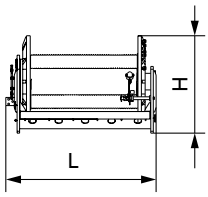
10t counterweight	×65
Length (L)	2.49m
Width (W)	2.35m
Height (H)	0.555m
Weight	10.0t

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

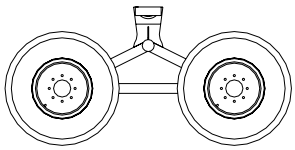


Extension jib (50t)	×1
Length (L)	2.60m
Width (W)	1.07m
Height (H)	1.11m
Weight	0.6t

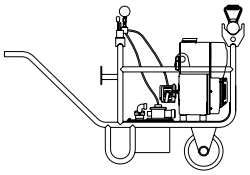
Transport Dimension



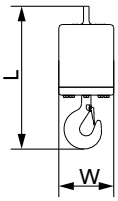
Main load hoist winch	×2
Length (L)	2.00m
Width (W)	1.28m
Height (H)	1.30m
Weight	8.3t



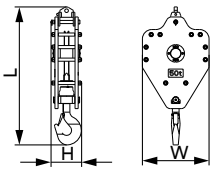
Trolley	×1
Length (L)	3.30m
Width (W)	2.00m
Height (H)	1.61m
Weight	1.9t



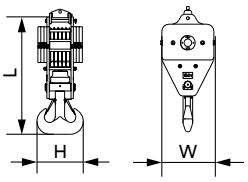
Portable power pack	×1
Length (L)	1.55m
Width (W)	0.70m
Height (H)	1.09m
Weight	0.2t



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

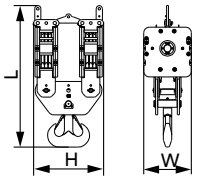


50T hook	×1
Length (L)	2.20m
Width (W)	1.06m
Height (H)	0.50m
Weight	1.4t

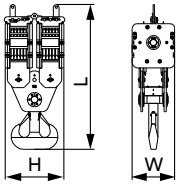


150T hook	×1
Length (L)	2.40m
Width (W)	1.09m
Height (H)	0.95m
Weight	4.8t

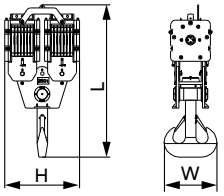
Transport Dimension



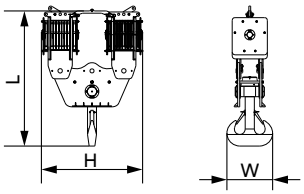
180T hook	×1
Length (L)	3.20m
Width (W)	1.07m
Height (H)	1.19m
Weight	6.6t



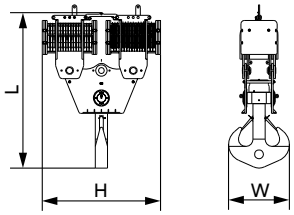
250T hook	×1
Length (L)	3.65m
Width (W)	1.07m
Height (H)	1.48m
Weight	8.4t



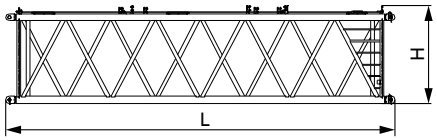
350T hook	×1
Length (L)	3.84m
Width (W)	1.33m
Height (H)	1.88m
Weight	10.5t



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

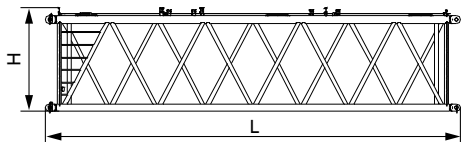


800T hook	×1
Length (L)	4.82m
Width (W)	1.90m
Height (H)	3.66m
Weight	22.5t

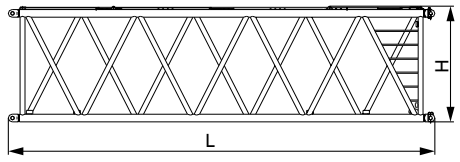


12m lower transition section (ZH4A)	×1
Length (L)	12.24m
Width (W)	3.50m
Height (H)	3.00m
Weight	14.52t

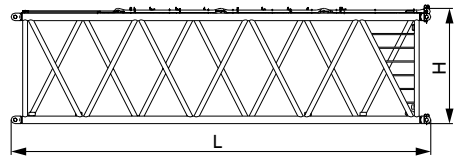
Transport Dimension



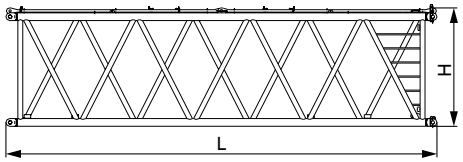
12m upper transition section (ZH4B)	×1
Length (L)	12.24m
Width (W)	3.50m
Height (H)	3.00m
Weight	9.2t



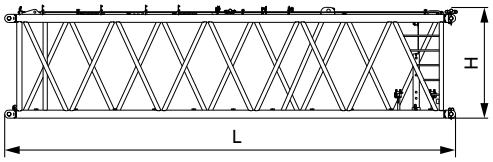
12m power boom insert A (ZH8A)	×2
Length (L)	12.24m
Width (W)	3.50m
Height (H)	3.00m
Weight	14.1t



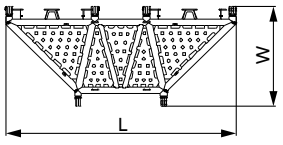
12m power boom insert B (ZH8B)	×2
Length (L)	12.24m
Width (W)	3.50m
Height (H)	3.00m
Weight	13.6t



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

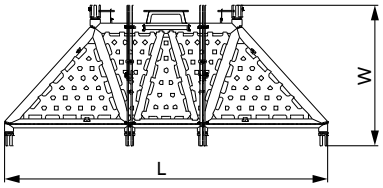


12m power boom insert D (ZH8D)	×1
Length (L)	12.24m
Width (W)	3.50m
Height (H)	3.00m
Weight	9.2t

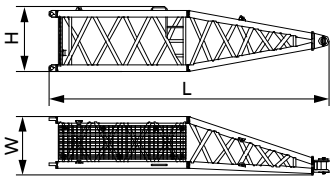


Super power boom lower transition section(SY4A)	×1
Length (L)	7.46m
Width (W)	3.24m
Height (H)	2.82m
Weight	7.6t

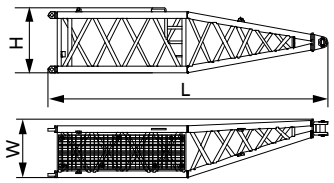
Transport Dimension



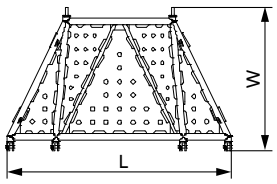
Super power boom upper transition section(SY4B)	×1
Length (L)	7.46m
Width (W)	3.28m
Height (H)	3.00m
Weight	7.4t



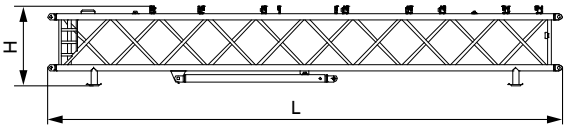
Superlift auxiliary strut right base (S1)	×1
Length (L)	6.20m
Width (W)	1.30m
Height (H)	1.43m
Weight	1.25t



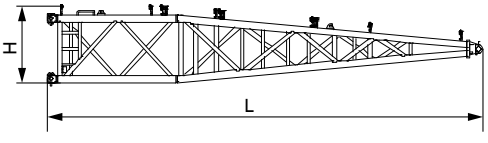
Superlift auxiliary strut left base (S2)	×1
Length (L)	6.20m
Width (W)	1.30m
Height (H)	1.43m
Weight	1.25t



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



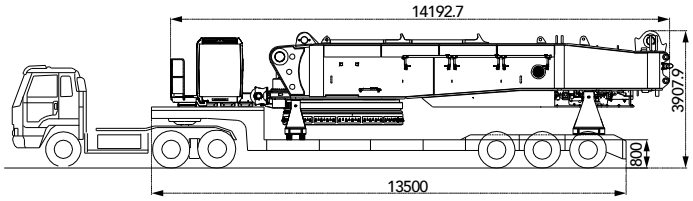
Superlift auxiliary strut insert (S4)	×1
Length (L)	12.15m
Width (W)	2.55m
Height (H)	1.86m
Weight	3.0t



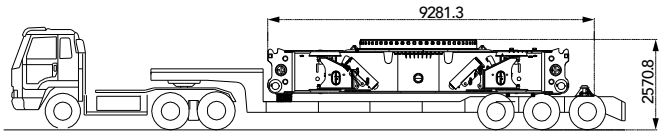
Superlift auxiliary strut top (S5)	×1
Length (L)	8.67m
Width (W)	2.55m
Height (H)	1.51m
Weight	2.11t

Transport Plan

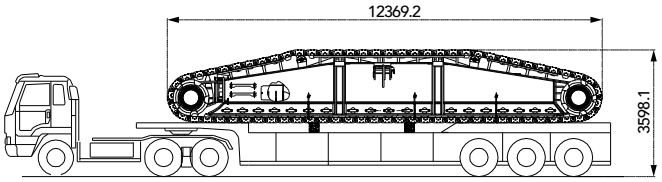
Transport cart 1	
Transport weight(t)	▪ 52
Components included	▪ Basic Machine (with quick connector ring)
Truckload	▪ 1



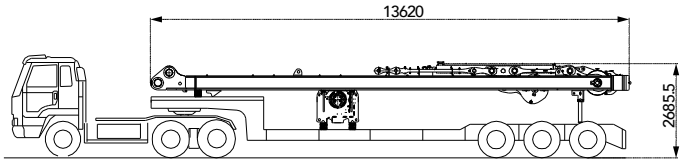
Transport cart 2	
Transport weight(t)	▪ 34.8
Components included	▪ Carbody (with quick connector ring)
Truckload	▪ 1



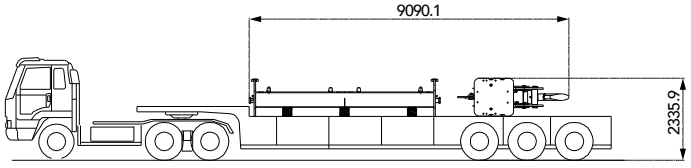
Transport cart 3	
Transport weight(t)	▪ 48
Components included	▪ Crawler assembly
Truckload	▪ 2



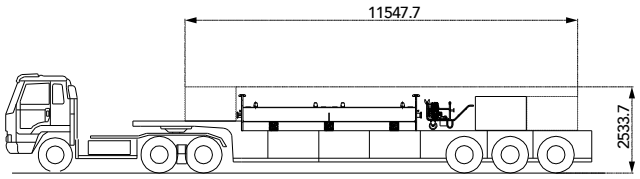
Transport cart 4	
Transport weight(t)	▪ 23.3
Components included	▪ Boom hoist mast (including boom hoist winch)
Truckload	▪ 1



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

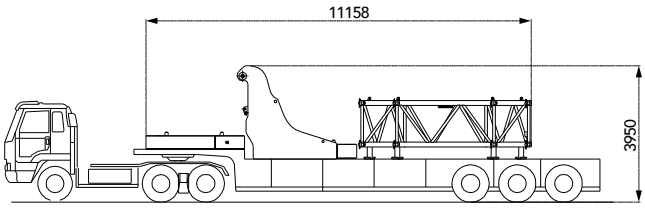


Transport cart 6	
Transport weight(t)	▪ 26.9
Components included	▪ Carbody counterweight tray ×1 ▪ Portable power pack ▪ Iron box 1 ▪ Iron box 2 ▪ Wooden box
Truckload	▪ 1

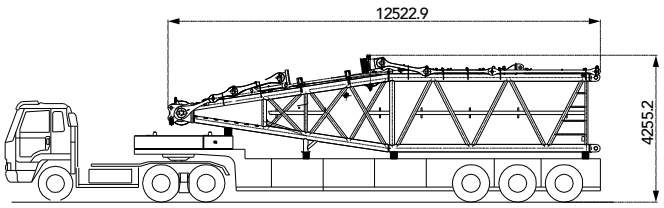


Transport Plan

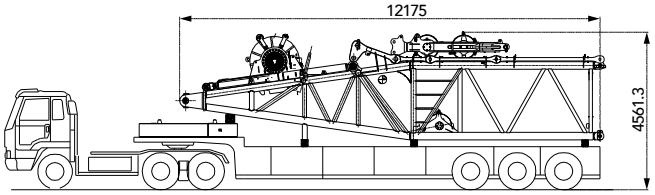
Transport cart 7	
Transport weight(t)	▪ 26.9
Components included	▪ Rear counterweight tray ×1 ▪ 10t counterweight ×1 ▪ Superlift auxiliary strut transition section
Truckload	▪ 1



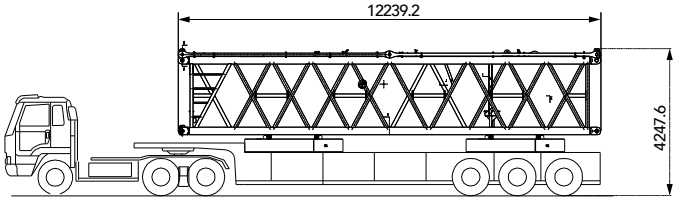
Transport cart 8	
Transport weight(t)	▪ 23
Components included	▪ Superlift mast top ▪ 10t counterweight ×1
Truckload	▪ 1



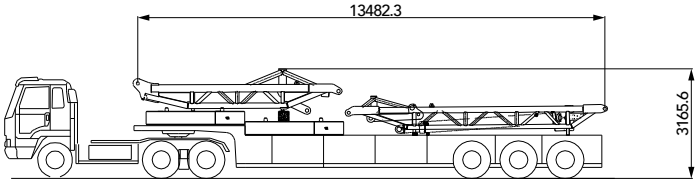
Transport cart 9	
Transport weight(t)	▪ 29.4
Components included	▪ Superlift mast base ▪ 10t counterweight ×1
Truckload	▪ 1



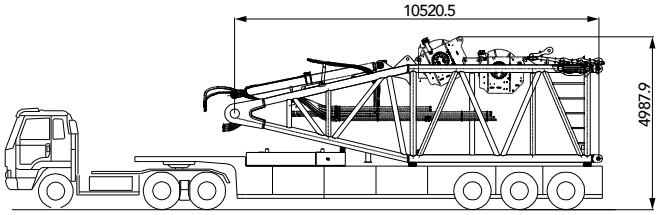
Transport cart 10	
Transport weight(t)	▪ 28.5
Components included	▪ 12m superlift mast insert ▪ 10t counterweight ×1
Truckload	▪ 1



Transport cart 11	
Transport weight(t)	▪ 27.6
Components included	▪ Superlift counterweight strut ▪ 10t counterweight ×2
Truckload	▪ 1

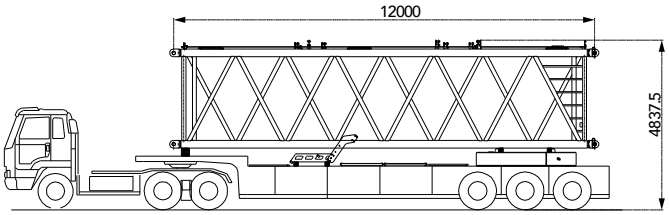


Transport cart 12	
Transport weight(t)	▪ 27.7
Components included	▪ Boom base (H2) (with aux. hoist and jib luffing winches) ▪ 10t counterweight ×1
Truckload	▪ 1

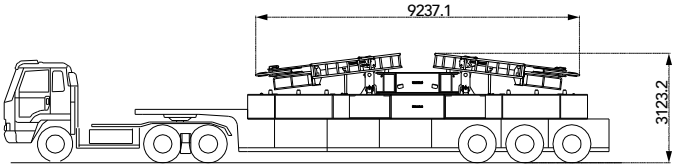


Transport Plan

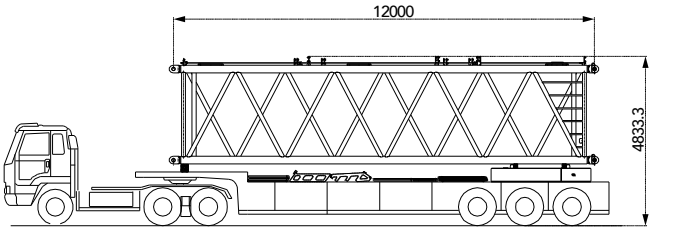
Transport cart 13	
Transport weight(t)	▪ 27
Components included	▪ 12 m transition section ▪ 10t counterweight ×1 ▪ Guardrail 1 ▪ Ladder ▪ Left&right guardrail ▪ Guardrail 2
Truckload	▪ 1

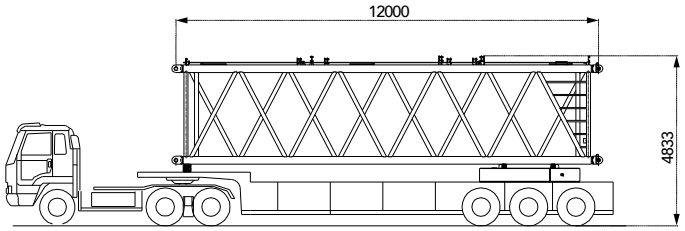


Transport cart 14	
Transport weight(t)	▪ 27.8
Components included	▪ Superlift counterweight frame
Truckload	▪ 1

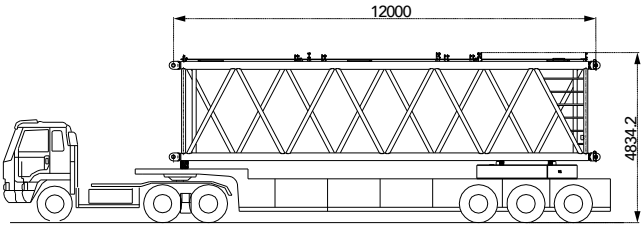


Transport cart 15	
Transport weight(t)	▪ 27.5
Components included	▪ 12m power boom insert A ▪ 10t counterweight ×1 ▪ Guardrail 2 ×2 ▪ Guardrail 3 ×2 ▪ Inclined ladder bracket ×2 ▪ Inclined ladder ×2 ▪ Guardrail 4 ×2 ▪ Guardrail 5 ×6
Truckload	▪ 1



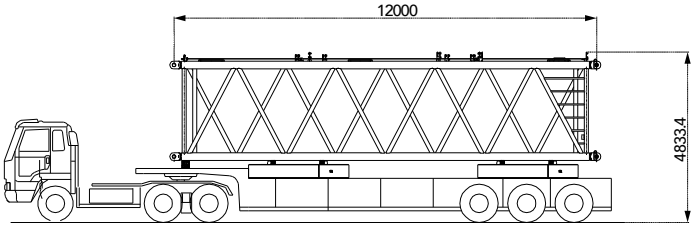


Transport cart 16	
Transport weight(t)	▪ 25.8
Components included	▪ 12m power boom insert B ▪ 10t counterweight ×1
Truckload	▪ 2



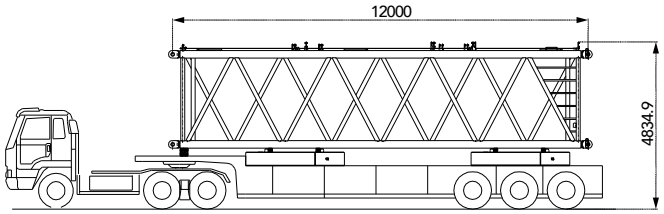
Transport cart 17	
Transport weight(t)	▪ 23.6
Components included	▪ 12m power boom insert C ▪ 10t counterweight ×1
Truckload	▪ 2

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

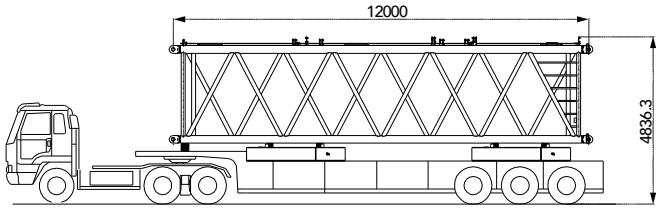


Transport Plan

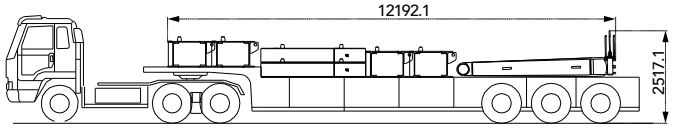
Transport cart 19	
Transport weight(t)	▪ 30
Components included	▪ 12m upper transition section ▪ 10t counterweight ×2
Truckload	▪ 1



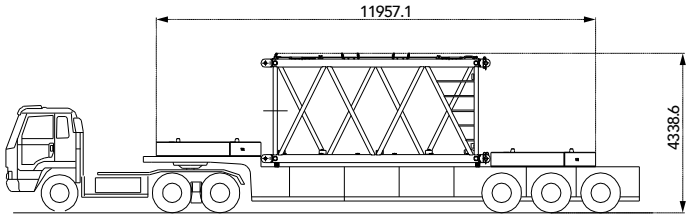
Transport cart 20	
Transport weight(t)	▪ 29.1
Components included	▪ 12m boom insert ▪ 10t counterweight ×2
Truckload	▪ 1



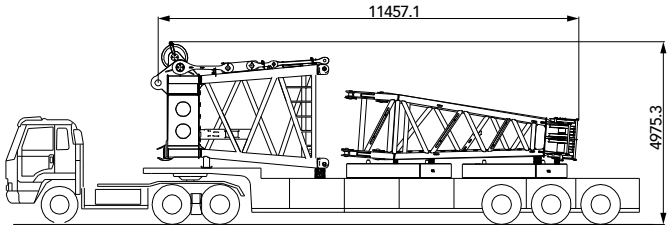
Transport cart 21	
Transport weight(t)	▪ 28.2
Components included	▪ 10t counterweight ×2 ▪ Superlift counterweight bucket ×4 ▪ Side outrigger assembly
Truckload	▪ 1



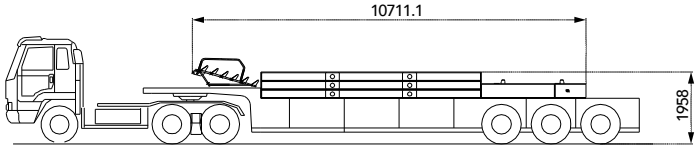
Transport cart 22	
Transport weight(t)	▪ 25
Components included	▪ 6m boom insert ▪ 10t counterweight ×2
Truckload	▪ 1



Transport cart 23	
Transport weight(t)	▪ 29.4
Components included	▪ 270t Eagle tip assembly ▪ 10t counterweight ×2
Truckload	▪ 1

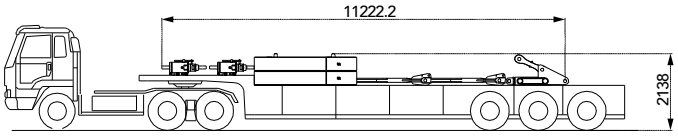


Transport cart 24	
Transport weight(t)	▪ 28
Components included	▪ Crane mats ×3 ▪ 10t counterweight ×1 ▪ Ladder
Truckload	▪ 4

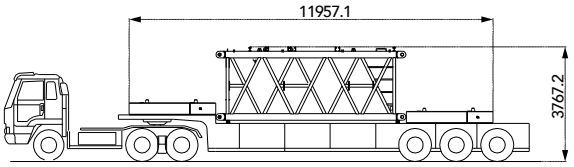


Transport Plan

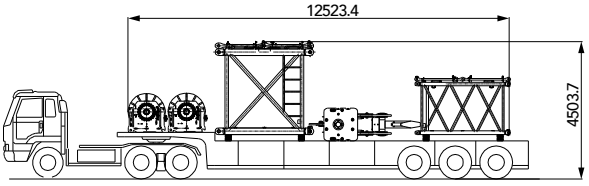
Transport cart 25	
Transport weight(t)	▪ 22.4
Components included	▪ 10t counterweight ×2 ▪ Additional tray of hanger
Truckload	▪ 1



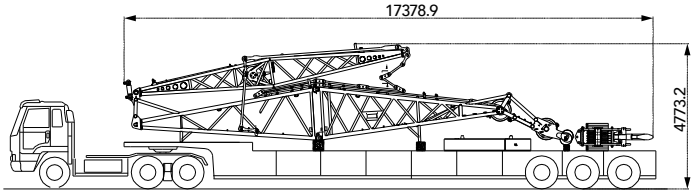
Transport cart 26	
Transport weight(t)	▪ 23.2
Components included	▪ 6m superlift mast insert ▪ 10t counterweight ×2
Truckload	▪ 1



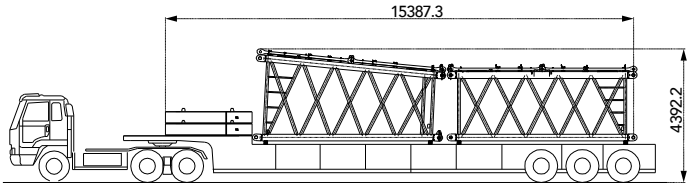
Transport cart 27	
Transport weight(t)	▪ 27
Components included	▪ 3m fixed jib insert ▪ Hoist winch ×2 ▪ 250t hook ▪ Boom insert(H3)
Truckload	▪ 1



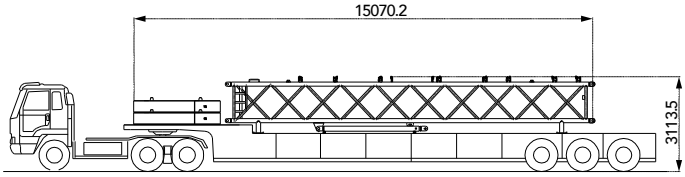
Transport cart 28	
Transport weight(t)	▪ 20.8
Components included	▪ 150t hook ▪ Fixed jib assembly ▪ 10t counterweight ×1
Truckload	▪ 1



Transport cart 29	
Transport weight(t)	▪ 26.4
Components included	▪ 6m jib tapered insert (LJ4) ▪ 6m luffing jib insert A (LJ6) ▪ 10t counterweight ×2
Truckload	▪ 1

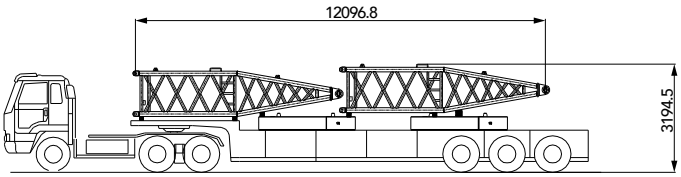


Transport cart 30	
Transport weight(t)	▪ 23
Components included	▪ Superlift auxiliary strut insert ▪ 10t counterweight ×2
Truckload	▪ 1

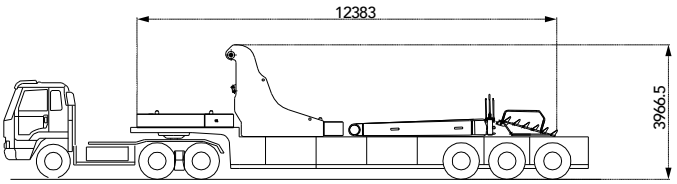


Transport Plan

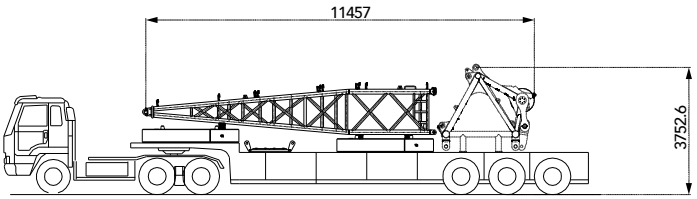
Transport cart 31	
Transport weight(t)	▪ 22.5
Components included	▪ Superlift auxiliary strut left & right base ▪ 10t counterweight ×2
Truckload	▪ 1



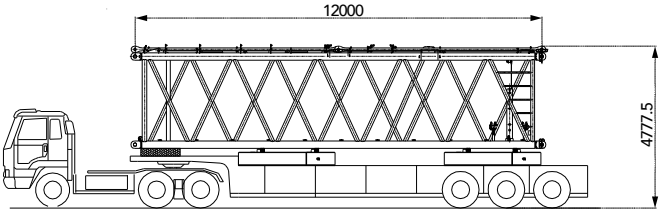
Transport cart 32	
Transport weight(t)	▪ 27.7
Components included	▪ Rear counterweight tray ×1 ▪ 10t counterweight ×1 ▪ Side outrigger assembly ▪ Ladder
Truckload	▪ 1



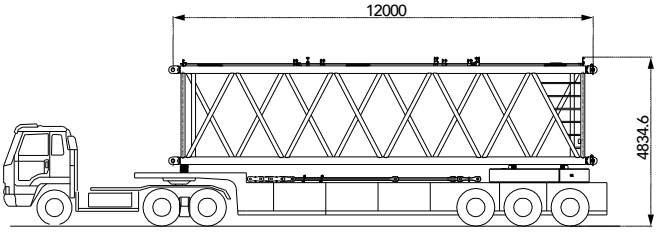
Transport cart 33	
Transport weight(t)	▪ 26.82
Components included	▪ Superlift auxiliary strut top ▪ Connecting tip (LJ9) ▪ 10t counterweight ×2 ▪ Step assembly
Truckload	▪ 1



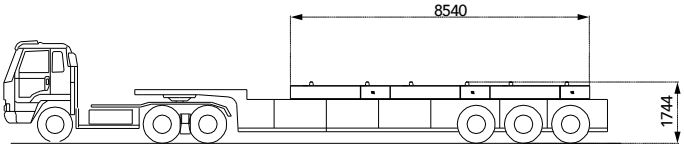
Transport cart 34	
Transport weight(t)	▪ 29.1
Components included	▪ 12m transition section ▪ 10t counterweight ×2
Truckload	▪ 1



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

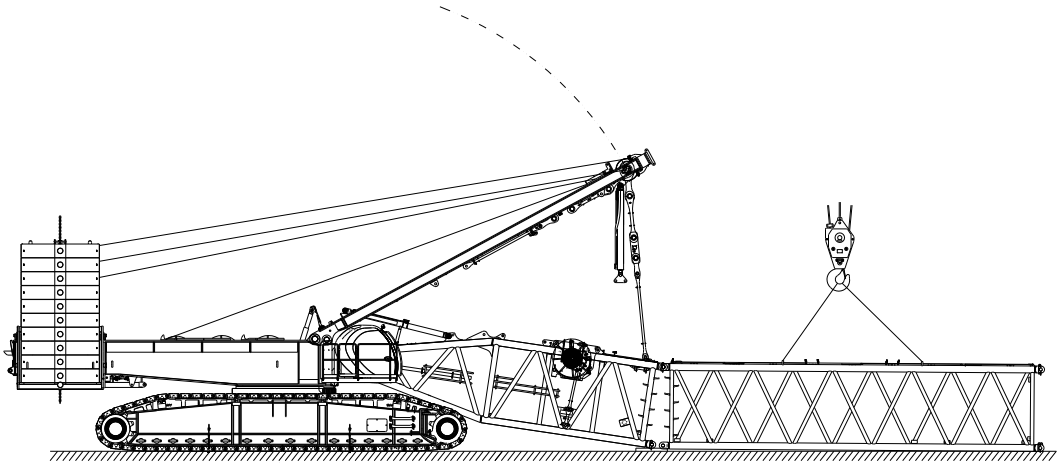


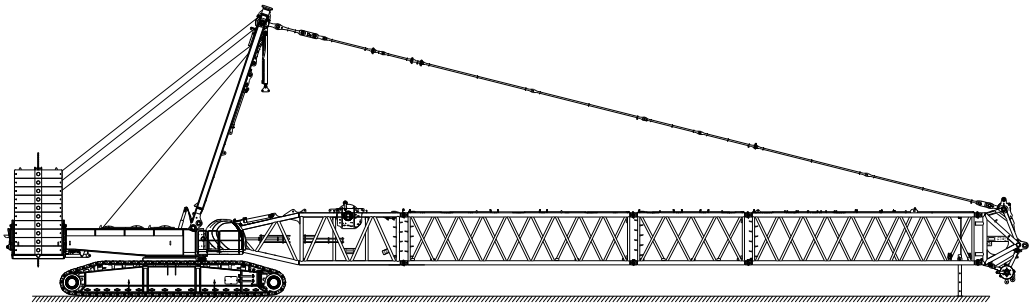
Transport cart 36	
Transport weight(t)	▪ 30
Components included	▪ 10t counterweight ×3
Truckload	▪ 4



Assembly Schematics

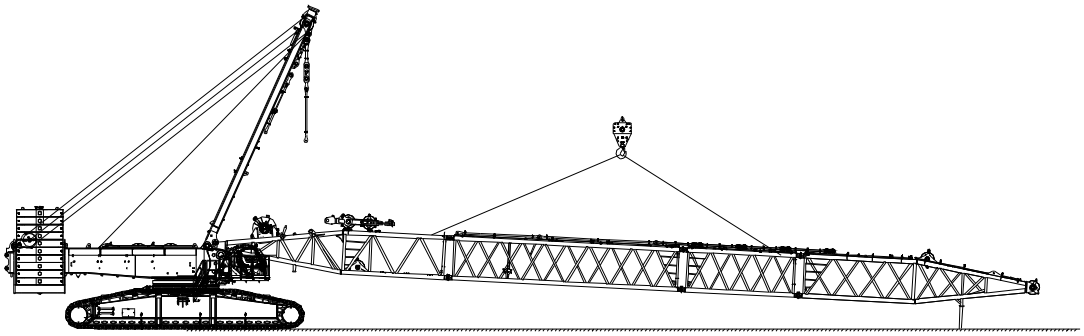
1）**Boom assembly**

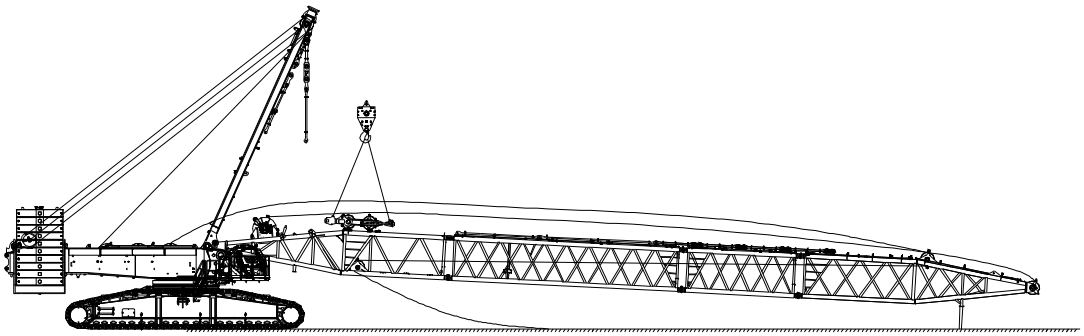


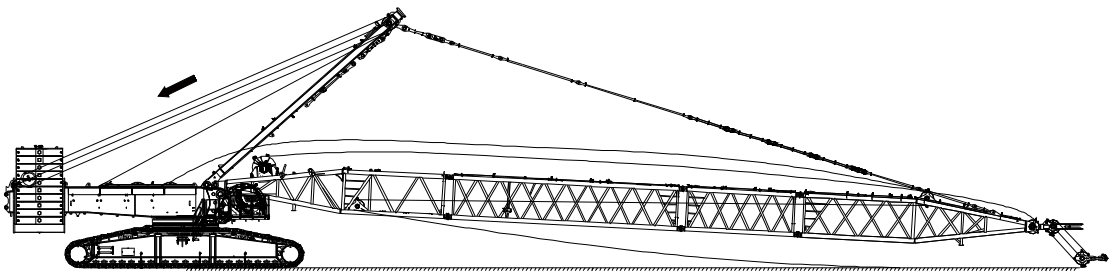


Assembly Schematics

2） **Superlift mast assembly**

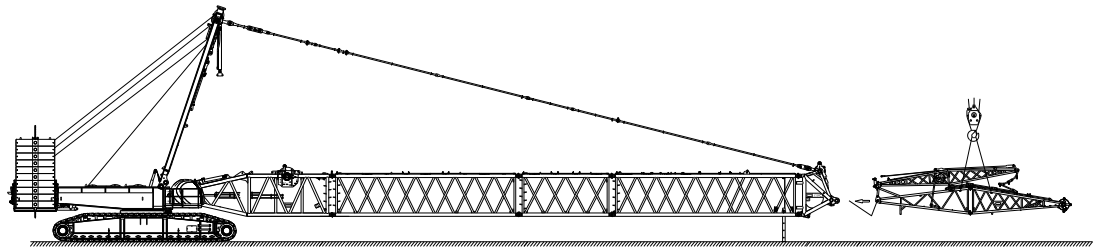


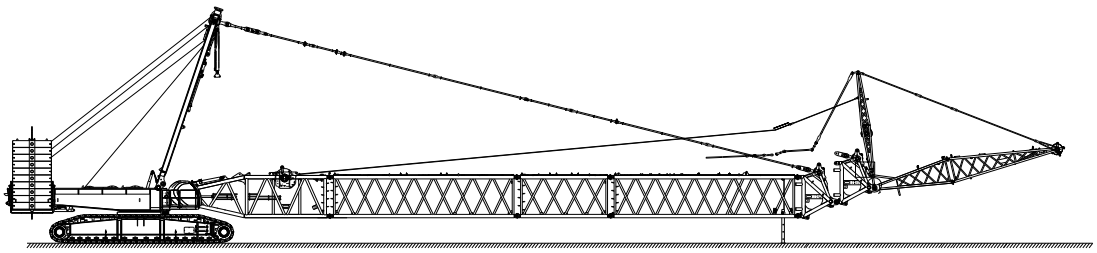


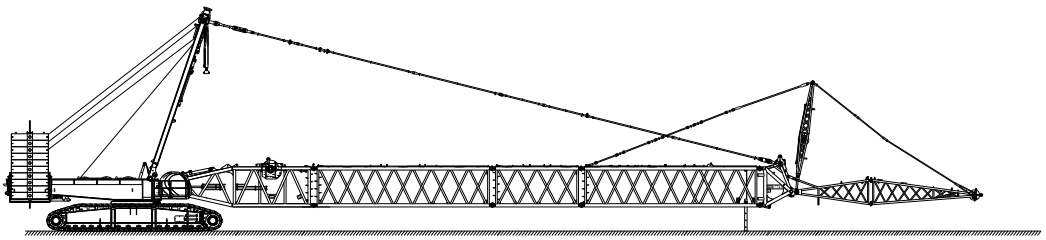


Assembly Schematics

3）Superlift mast assembly

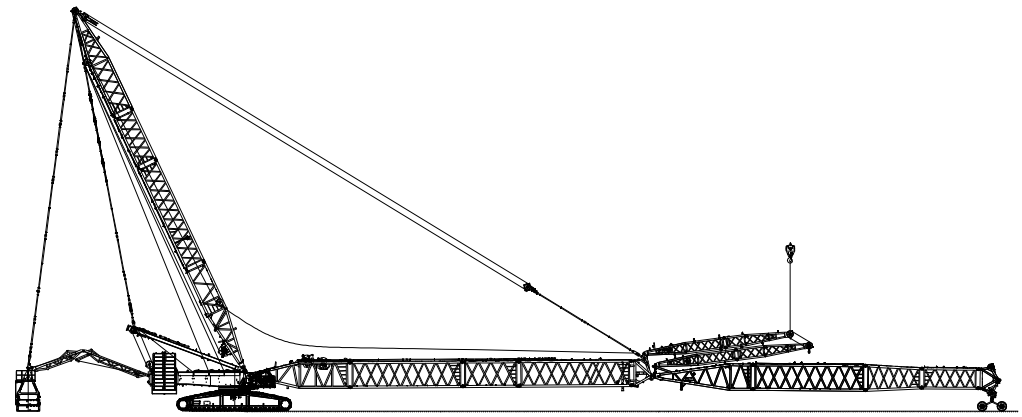


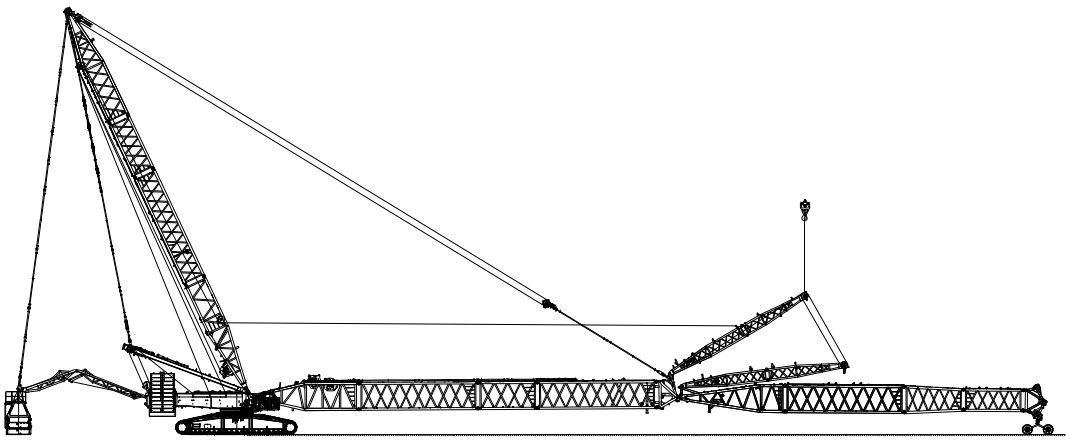




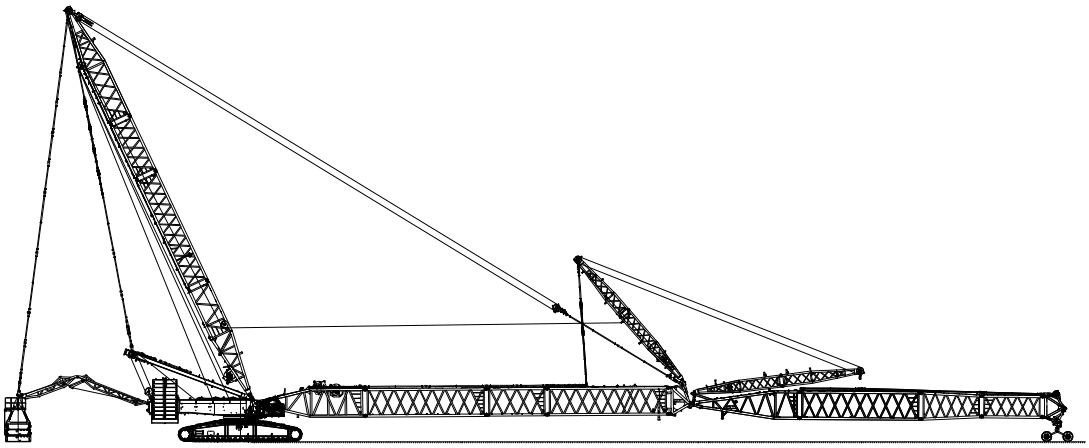
Assembly Schematics

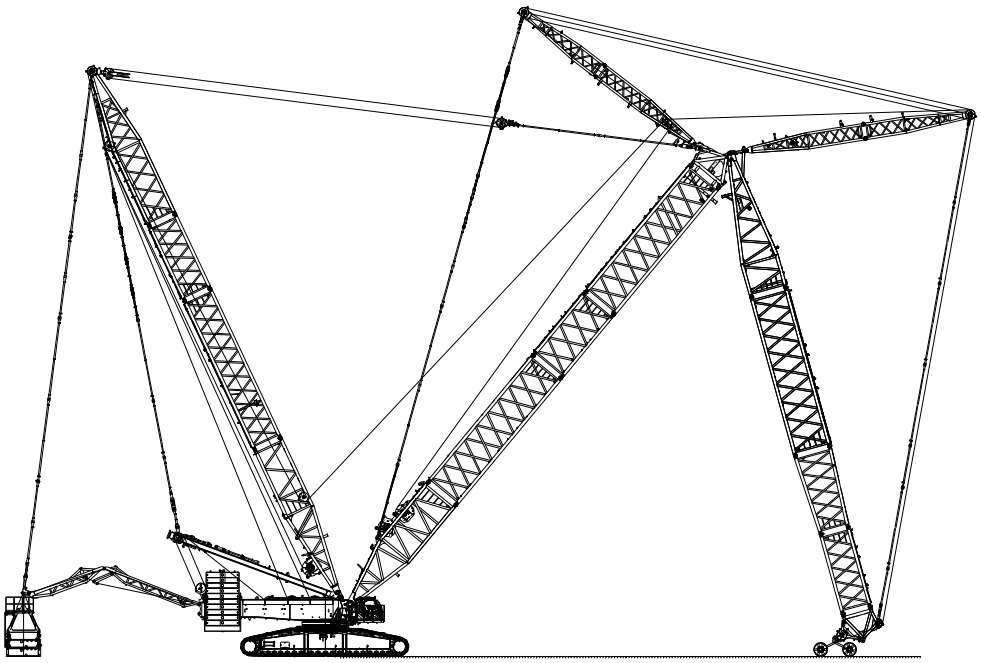
4）Luffing jib assembly





Assembly Schematics





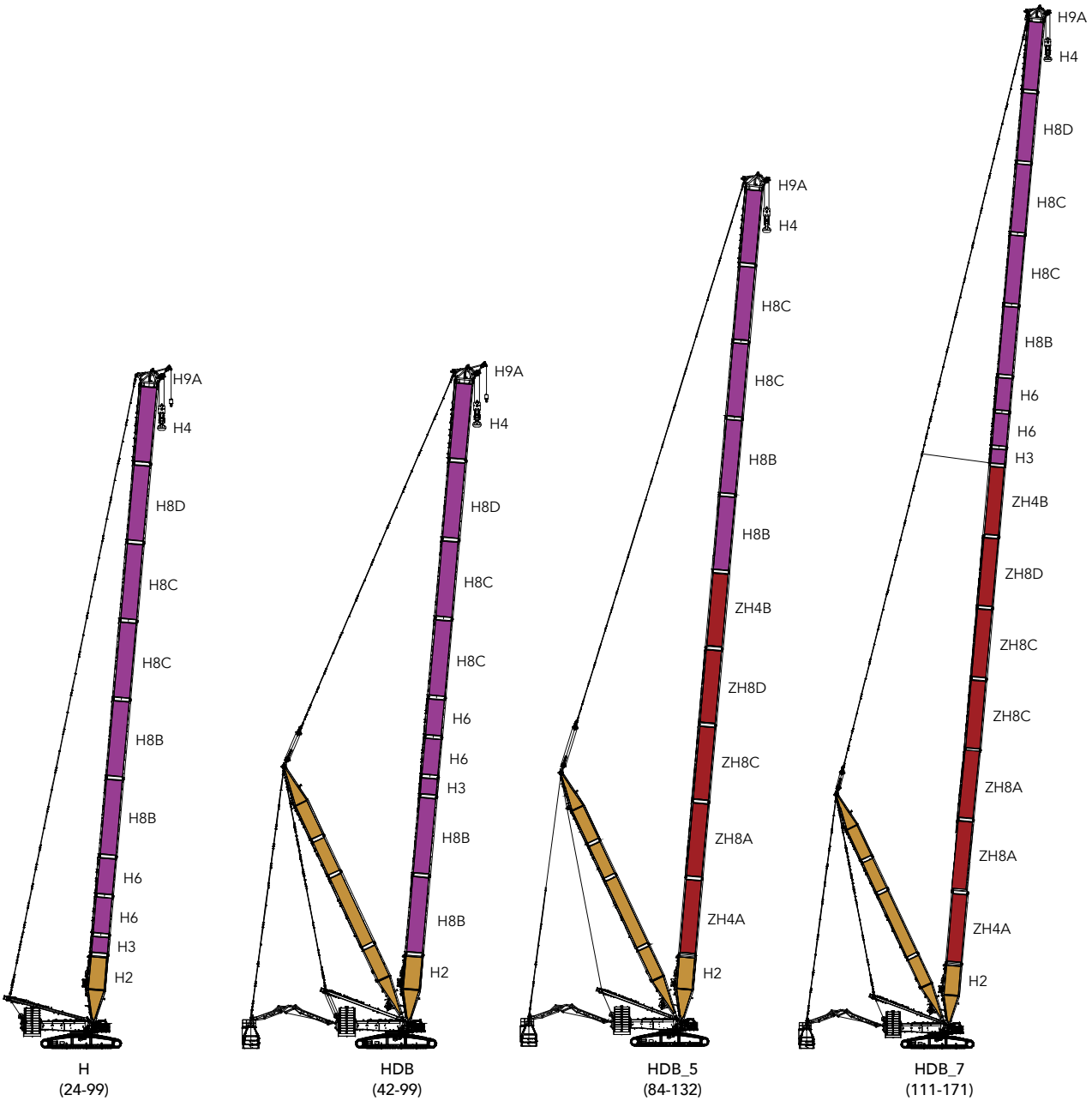
C

SCC9000A
SANY CRAWLER CRANE
900 TONS LIFTING CAPACITY

QUALITY CHANGES THE WORLD

Configurations

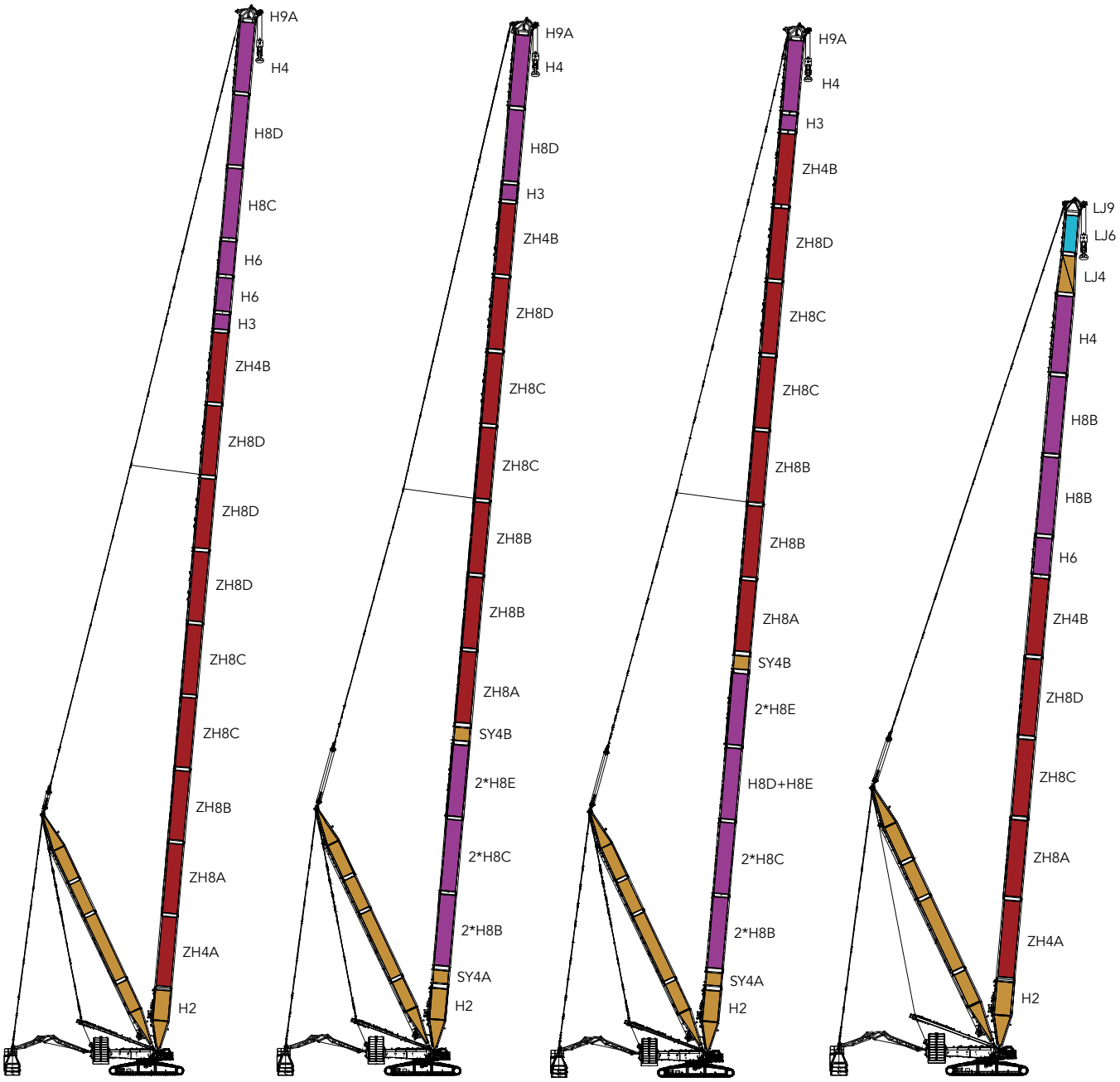
Boom Configurations



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.

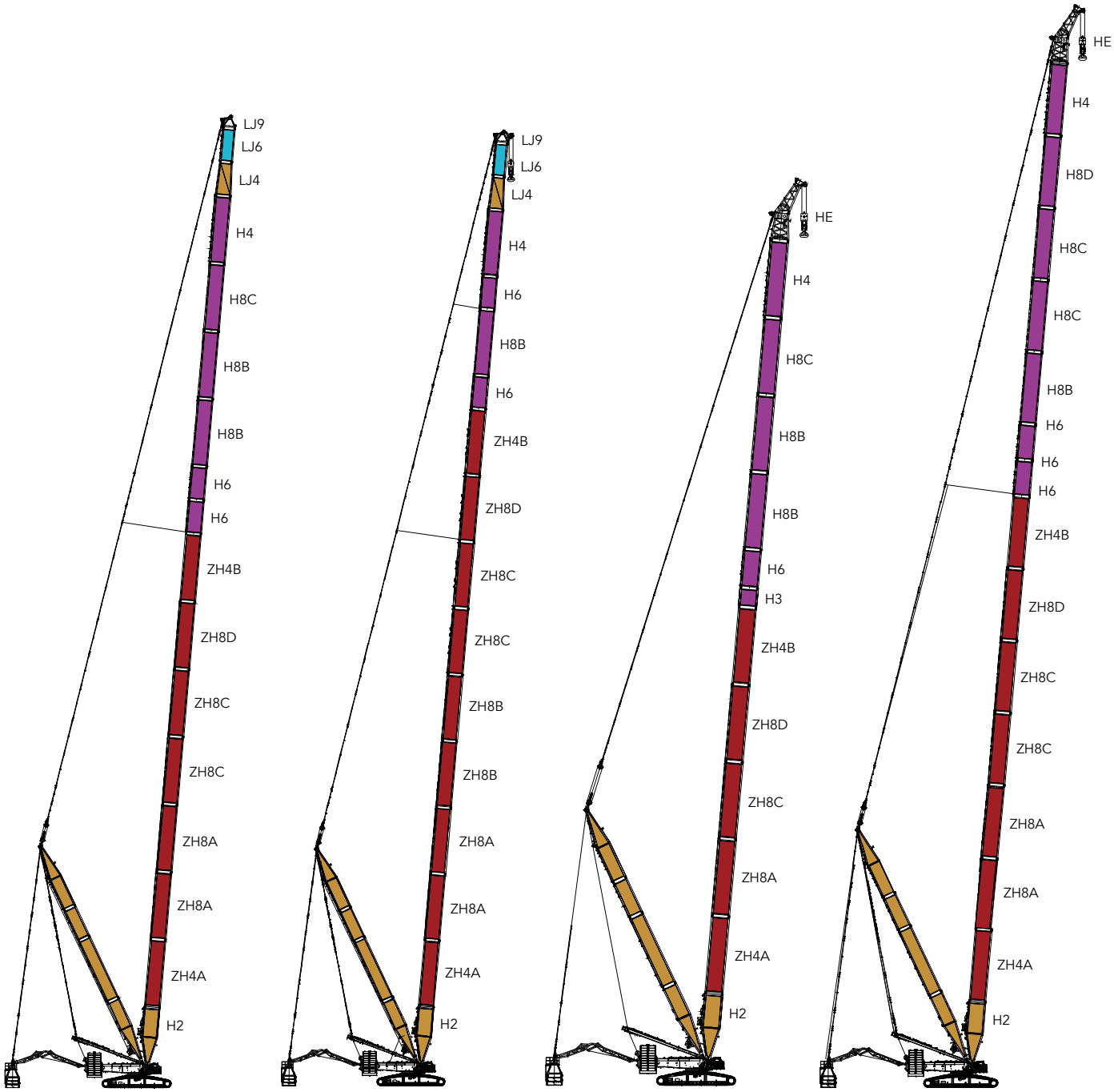
Boom Configurations



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.

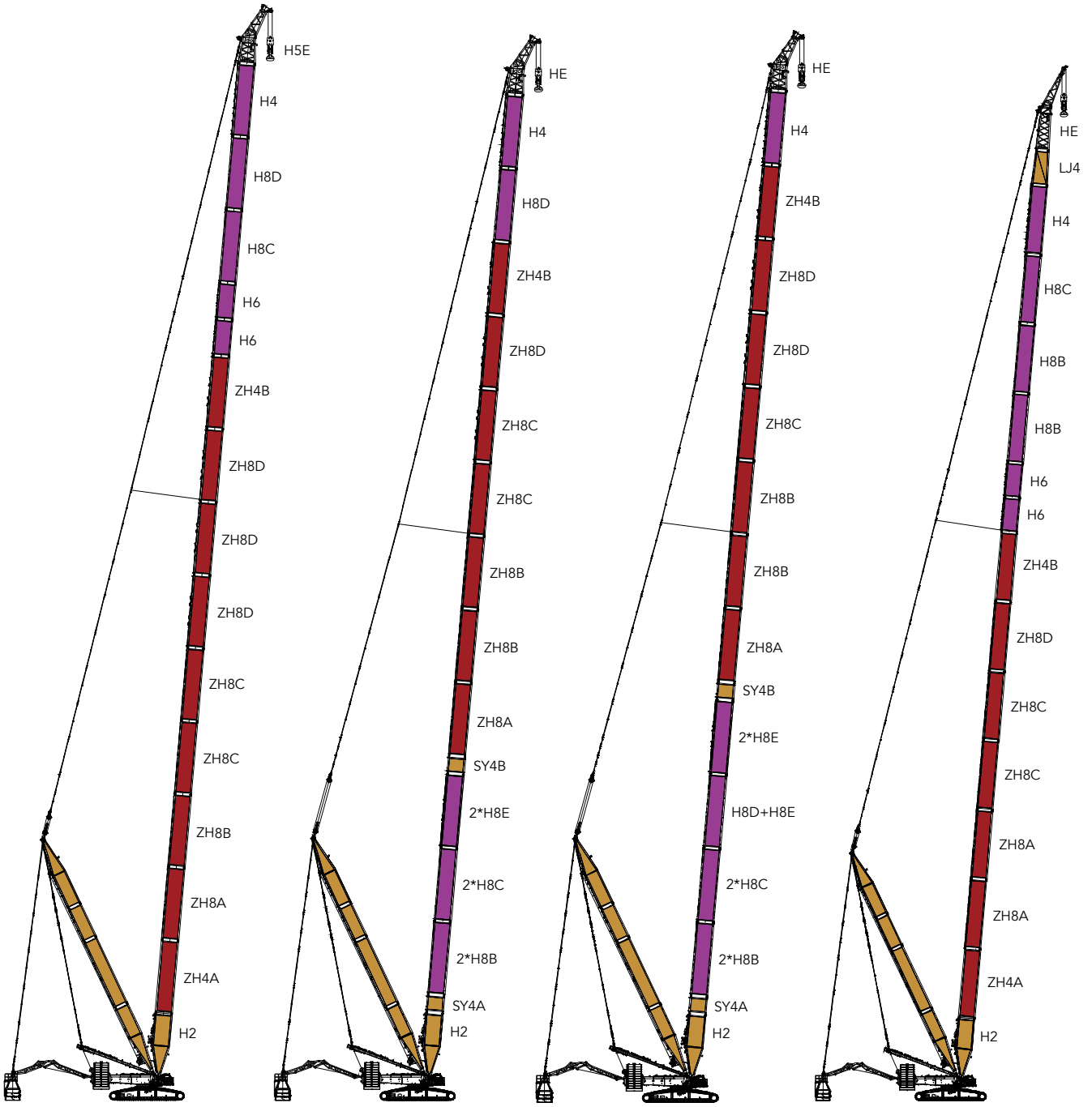
Boom Configurations



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.

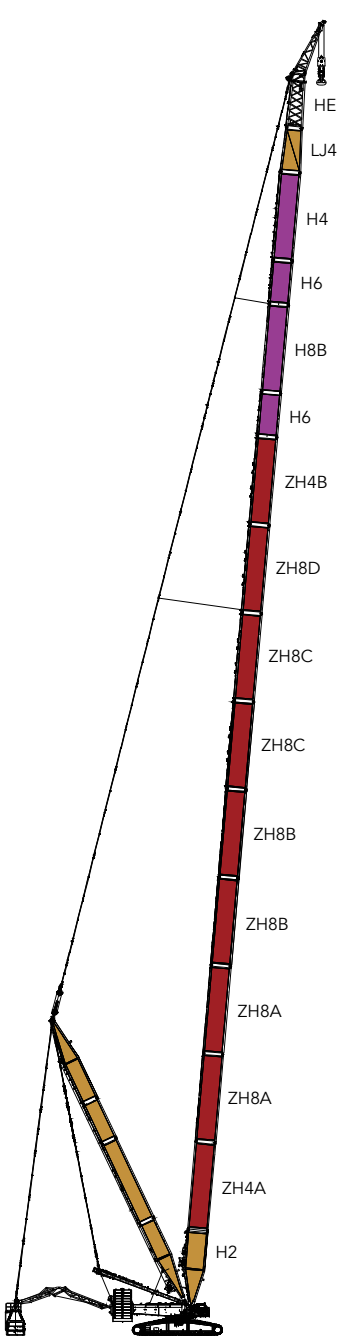
Boom Configurations



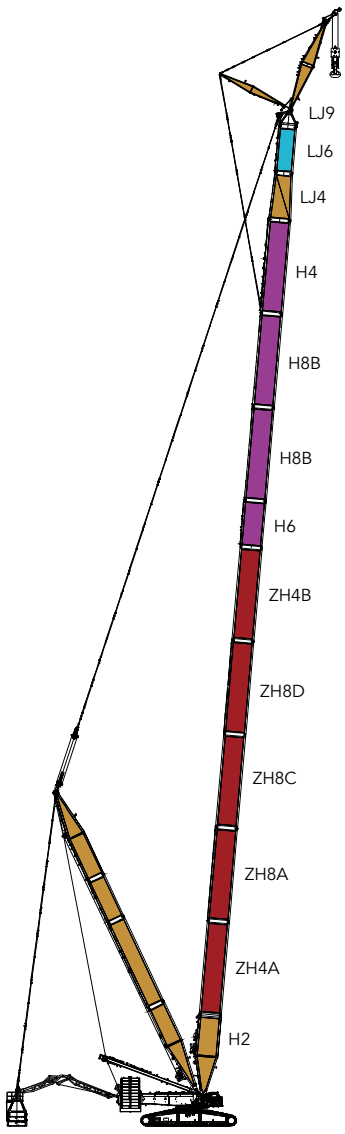
Configuration	Boom Combination	Boom Length
HEDB_9	Power boom (9) + Boom + Eagle tip + Superlift mast + Superlift counterweight	(135m+5m) ~ (171m+5m)
HEDB_SY3	Super power boom (3) + Power boom (7) + Boom + Eagle tip + Superlift mast + Superlift counterweight	(111m+5m) ~ (165m+5m)
HEDB_SY4	Super power 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.

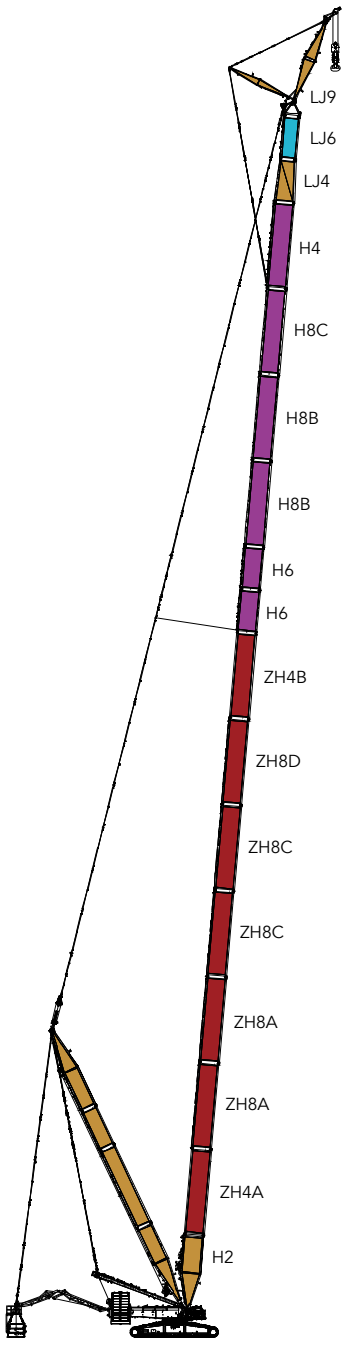
Boom Configurations



HJHEDB_9
(144+7-168+7)



HJFJDB_5
(96+12-126+12)

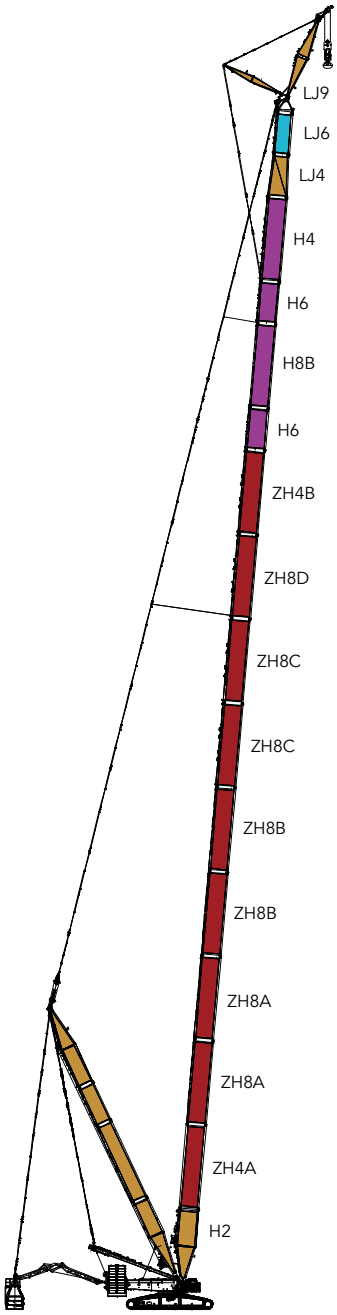


HJFJDB_7
(120+12-168+12)

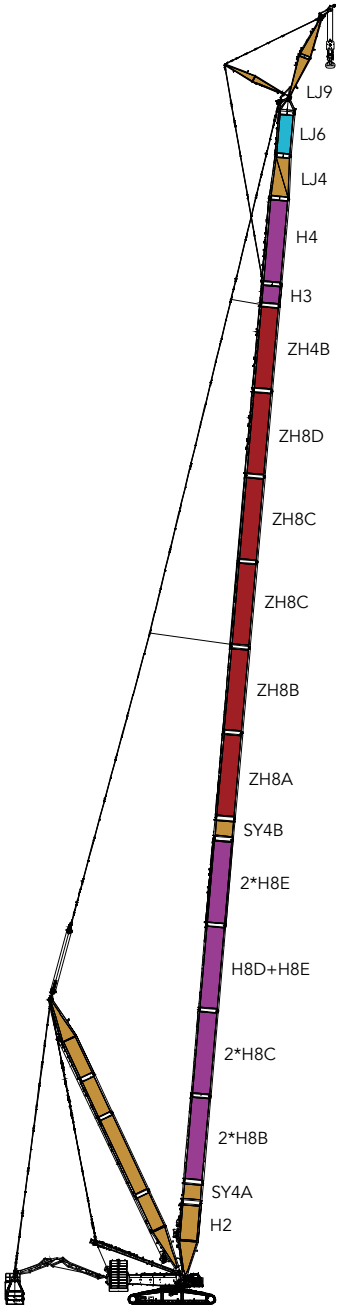
Configuration	Boom Combination	Boom Length
HJHEDB_9	Power boom (9) + Mixed boom + Eagle tip + Superlift mast + Superlift counterweight	(144m+7m) ~ (168m+7m)
HJFJDB_5	Power boom (7) + Mixed boom + Fixed jib + Superlift mast + Superlift counterweight	(96m+12m) ~ (126m+12m)
HJFJDB_7	Power boom (7) + Mixed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

Note: The schematics above are reference for loading only.

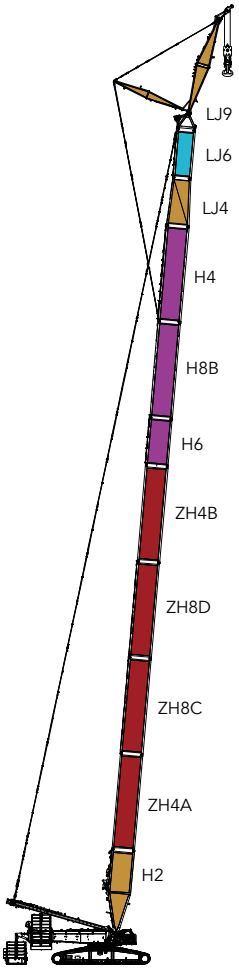
Boom Configurations



HJFJDB_9
(144+12-168+12)



HJFJDB_SY4
(105+12-165+12)

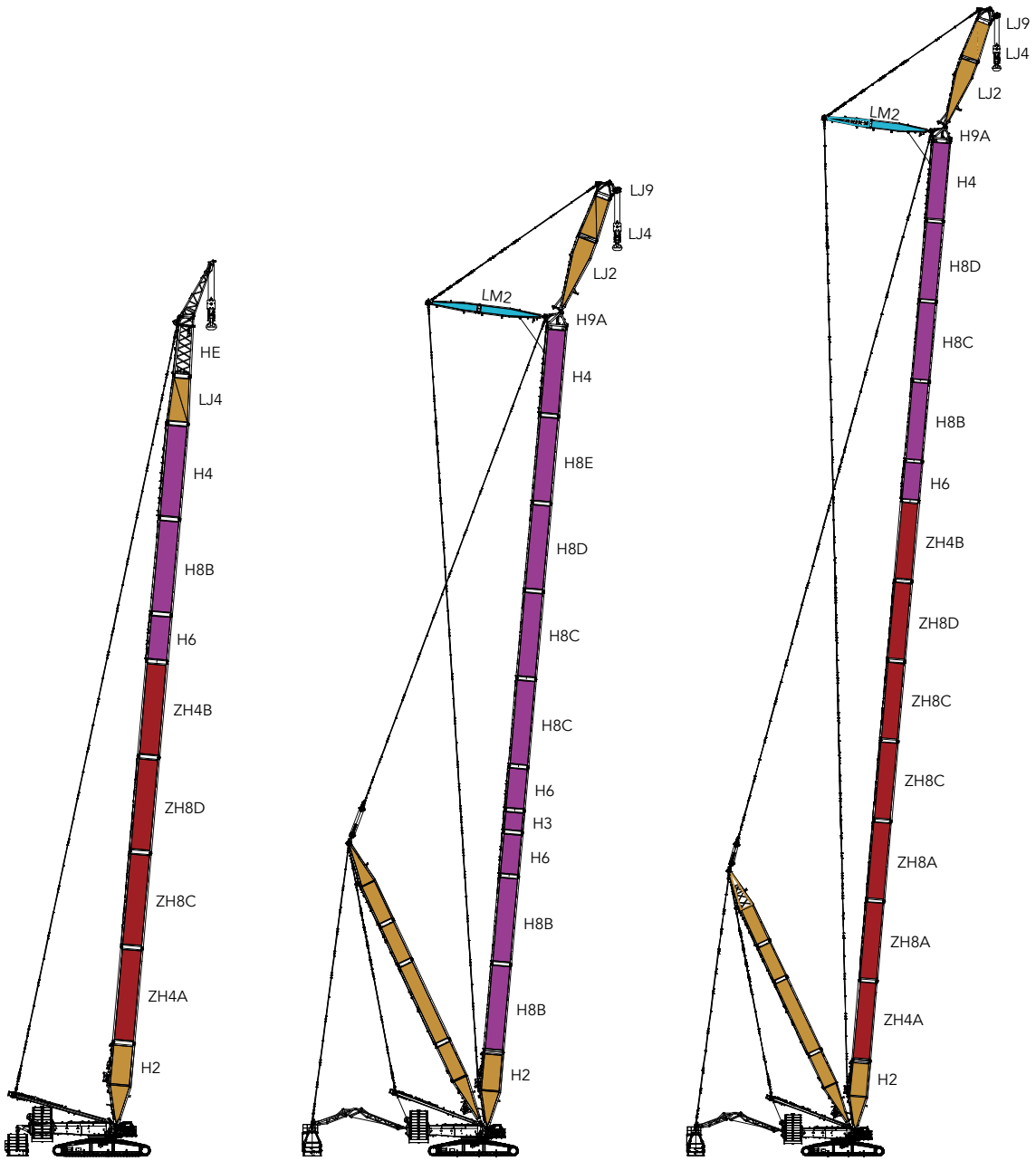


HJFJ_4
(93+12-102+12)

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)

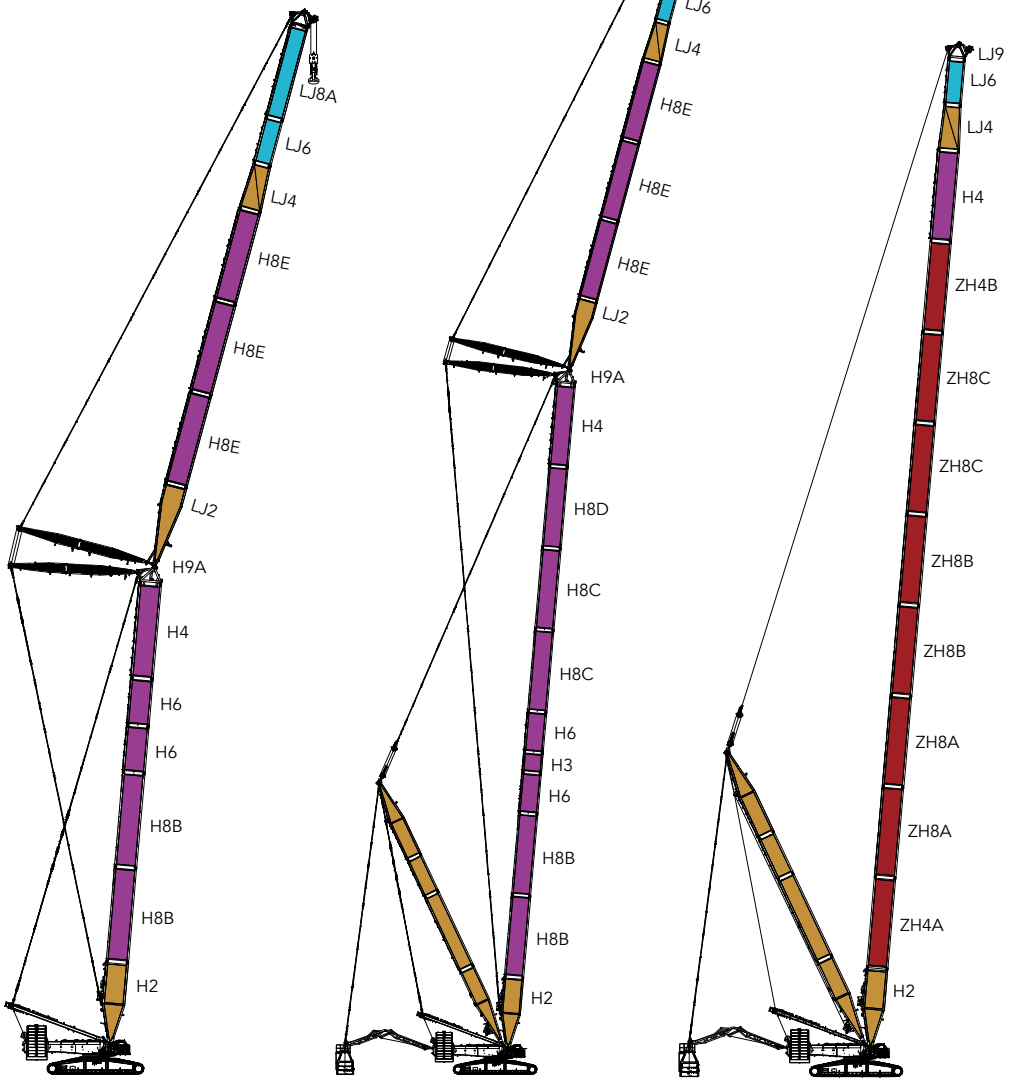
FJhDB
(78+18-111+18)

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



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)
ZHJDB	Power boom + Mixed boom + Superlift mast + Superlift counterweight	(96m~132m)

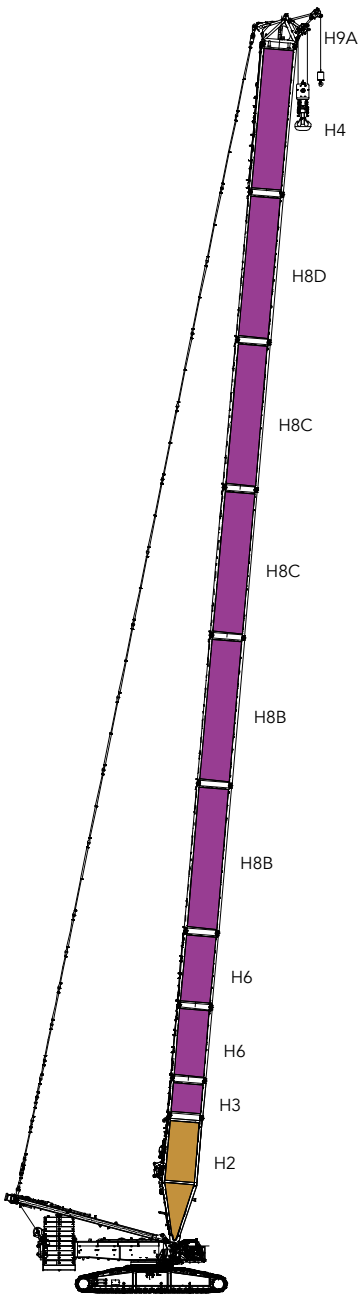
Note: The schematics above are reference for loading only.

H Configuration

Boom combination in H

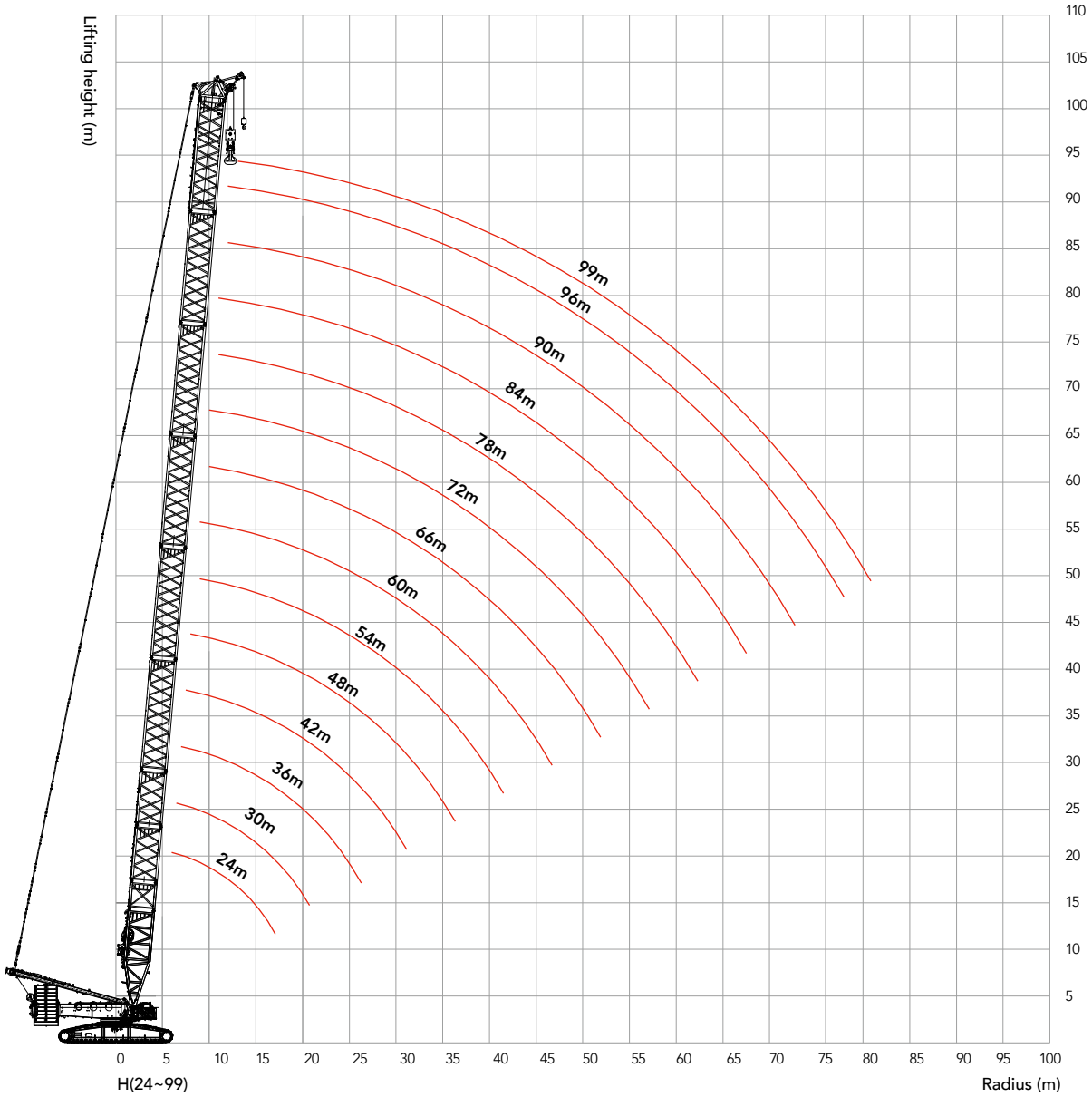
Boom length (m)	Insert				
	3m	6m	12mB	12mC	12mD
24	-	-	-	-	-
30	-	1	-	-	-
36	-	-	1	-	-
42	-	1	1	-	-
48	-	-	2	-	-
54	-	1	2	-	-
60	-	2	2	-	-
66	-	1	2	1	-
72	-	2	2	1	-
78	-	1	2	2	-
84	-	2	2	2	-
90	-	1	2	2	1
96	-	2	2	2	1
99	1	2	2	2	1

Note: The 10.5m boom base, 12m 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 of any other 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.

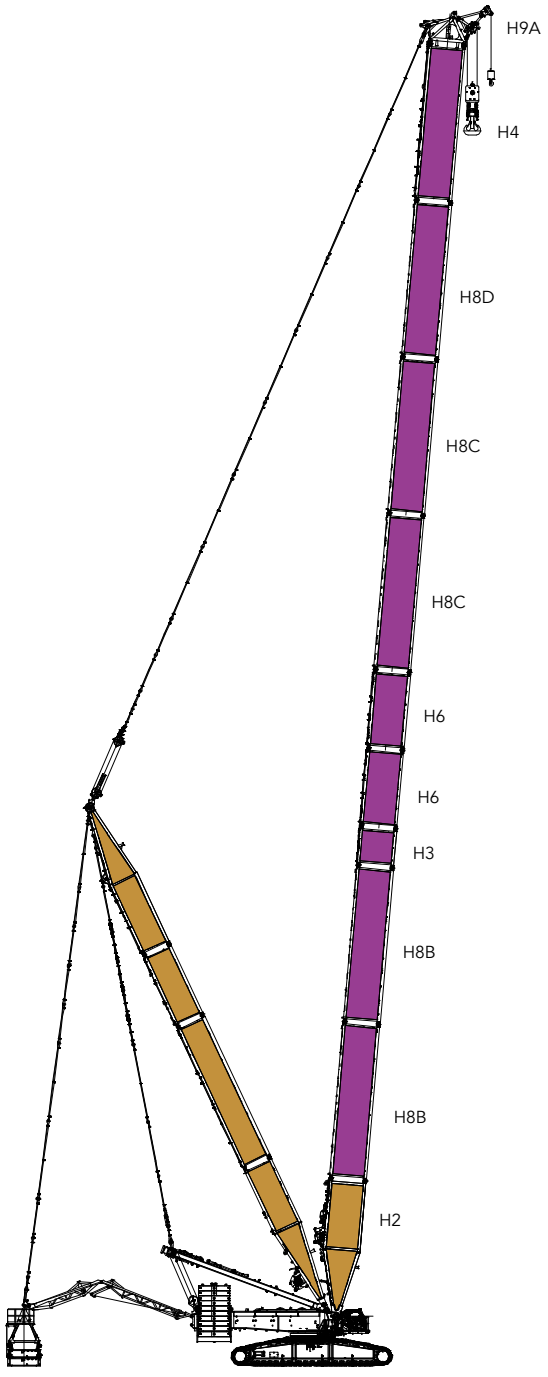
H Configuration															
Boom length 24-99m, Rear counterweight (CW) 230t, Carbody counterweight (CW) 80t															
Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	99	Radius(m)
6	887														6
6.5	849	804													6.5
7	776	776	775												7
7.5	714	714	713	713											7.5
8	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

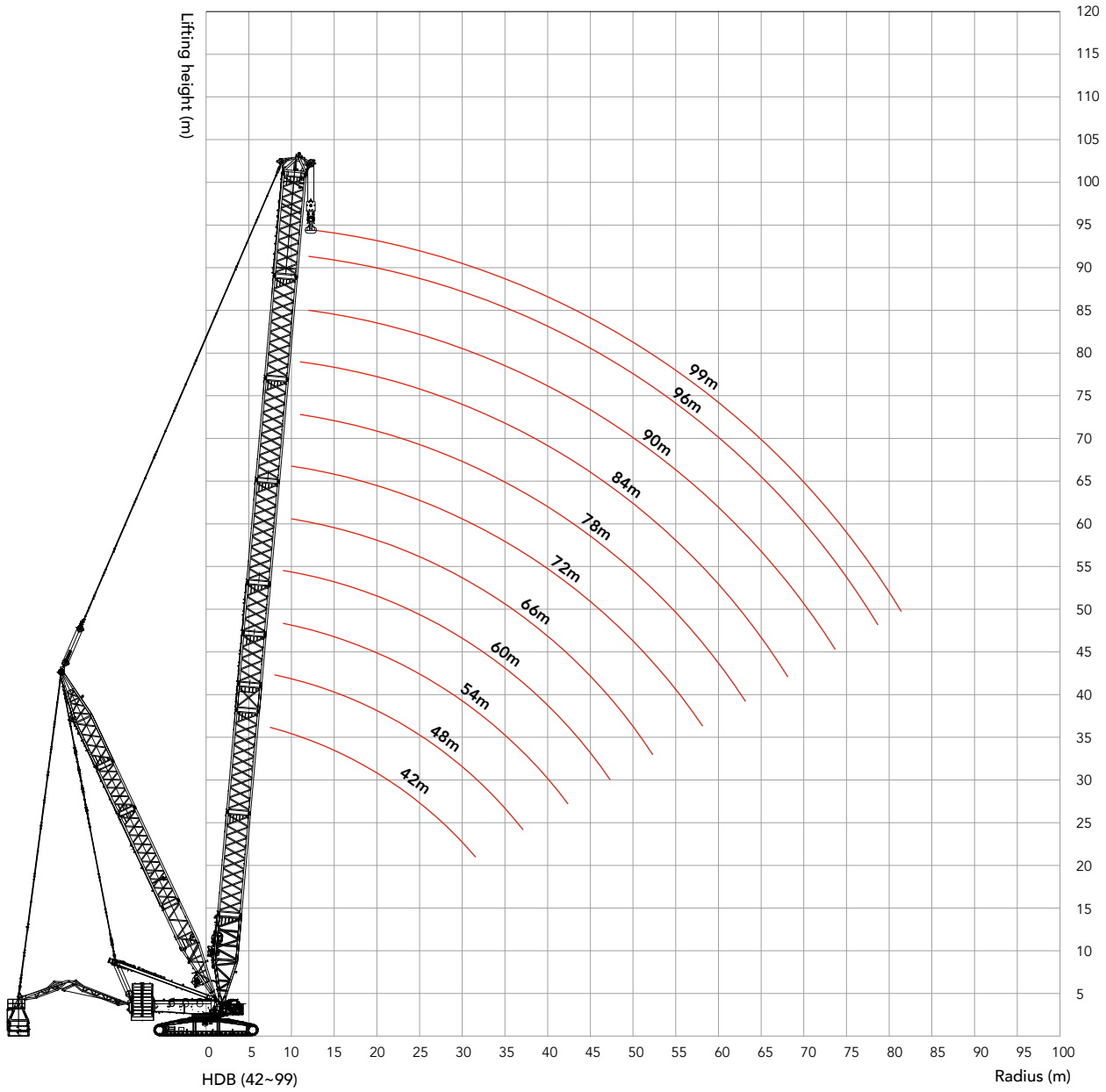
Boom length (m)	Insert				
	3m	6m	12mB	12mC	12mD
42	-	1	1	-	-
48	-	-	2	-	-
54	-	1	2	-	-
60	-	2	2	-	-
66	-	1	2	1	-
72	-	2	2	1	-
78	-	1	2	2	-
84	-	2	2	2	-
90	-	1	2	2	1
96	-	2	2	2	1
99	1	2	2	2	1

Note: The 10.5m boom base, 12m 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.

HDB Configuration 1/4

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

Radius(m)	42	48	54	60	66	72	78	84	90	96	99	Radius(m)
7.5	691											7.5
8	634	634										8
9	543	543	544	544								9
10	474	474	474	474	475	474						10
11	421	420	420	420	420	419	419	409				11
12	377	376	376	376	376	375	375	374	356	313		12
13	342	341	340	340	340	339	338	337	335	313	295	13
14	312	311	310	309	310	308	308	307	306	301	295	14
15	287	286	285	284	284	283	282	281	280	279	277	15
16	265	264	263	262	262	260	260	258	258	256	256	16
17	247	245	244	243	243	241	241	239	238	237	236	17
18	248	228	227	226	226	224	224	222	221	220	219	18
19	232	214	213	211	211	209	209	207	206	205	204	19
20	218	217	200	198	198	196	195	194	193	191	190	20
22	194	193	191	176	175	173	173	171	170	168	167	22
24	174	173	172	157	157	155	154	152	151	149	149	24
26	169	156	155	154	141	139	139	137	136	134	133	26
28	154	153	141	139	139	126	125	123	122	121	120	28
30	141	140	129	127	127	125	114	112	111	109	108	30
32	129	128	127	117	116	115	114	102	101	99.7	98.8	32
34	120	118	117	116	107	105	104	103	93.0	91.1	90.1	34
36	111	110	108	107	99.3	97.5	96.6	94.7	93.8	83.4	82.4	36
38	103	102	101	99.7	99.3	90.2	89.3	87.4	86.4	84.5	83.6	38
40		95.3	94.1	92.6	92.2	90.6	82.7	80.8	79.9	77.9	76.9	40
44		83.1	81.9	80.5	80.1	78.4	77.7	69.5	68.5	66.6	65.6	44
48			71.7	70.4	70.0	68.3	67.6	65.8	59.2	57.2	56.2	48
52				61.8	61.5	59.8	59.1	57.3	56.4	54.6	48.3	52
56					54.1	52.5	51.7	49.9	49.2	47.3	46.3	56
60						46.1	45.4	43.6	42.9	41.0	40.0	60
64						40.4	39.8	38.0	37.3	35.4	34.5	64
68							34.8	33.1	32.4	30.6	29.6	68
72								28.7	28.0	26.2	25.2	72
76									24.1	22.3	21.3	76
80									20.5	18.7	17.7	80
84										15.4	14.5	84
88											11.5	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.

HDB Configuration 2/4

Boom length 42-99m, Superlift Radius 18m, Superlift CW 100t, Rear CW 230t, Carbody CW 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	831	749	694	637								9
10	728	729	694	637	579	521						10
11	647	647	647	637	579	521	486	420				11
12	582	581	581	581	579	521	487	421	356	313		12
13	528	527	527	527	527	521	488	422	357	313	295	13
14	483	482	482	481	481	480	480	423	357	314	295	14
15	445	444	443	443	443	442	441	423	359	315	295	15
16	412	411	410	409	409	408	408	407	360	316	295	16
17	384	382	382	381	380	379	379	377	360	316	295	17
18	376	357	356	355	355	354	353	352	351	316	295	18
19	353	335	334	333	333	331	331	329	328	316	296	19
20	332	331	314	313	313	311	311	309	308	307	297	20
22	297	296	295	279	279	277	277	275	274	272	272	22
24	268	267	266	251	251	249	249	247	246	244	243	24
26	248	243	241	240	228	226	225	223	222	221	220	26
28	228	227	221	219	219	206	205	204	203	201	200	28
30	210	209	203	201	201	199	188	187	186	184	183	30
32	195	194	193	186	186	184	183	172	171	169	168	32
34	182	181	179	178	172	170	169	168	158	156	155	34
36	170	169	167	166	160	158	157	156	155	144	143	36
38	159	158	157	155	155	148	147	145	144	142	141	38
40		148	147	146	145	144	137	135	134	132	131	40
44		132	131	129	129	127	126	119	118	116	115	44
48			116	115	115	113	112	111	104	102	101	48
52				103	103	101	100	98.9	98.1	96.3	90.0	52
56					92.5	90.9	90.3	88.5	87.7	85.9	84.9	56
60						81.9	81.2	79.5	78.8	76.9	75.9	60
64						73.9	73.3	71.6	70.9	69.1	68.1	64
68							66.3	64.6	63.9	62.1	61.1	68
72								58.4	57.8	55.9	55.0	72
76									52.2	50.4	49.4	76
80									47.1	45.4	44.4	80
84										40.8	39.8	84
88											35.7	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.

HDB Configuration 3/4

Boom length 42-99m, Superlift Radius 20m, Superlift CW 200t, Rear CW 230t, Carbody CW 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	843	755	694	637	579	521*	487*	421*	356*	313*		12
13	771	762	694	637	579	521	488	422*	357*	313*	295*	13
14	709	708	707	637	579	521	489	423*	357*	314*	295*	14
15	657	655	655	637	579	521	491	423	359*	315*	295*	15
16	611	610	609	608	579	521	491	424	360*	316*	295*	16
17	571	570	569	568	568	521	491	425	360	316*	295*	17
18	536	535	534	533	532	521	491	427	360	316	295*	18
19	505	504	503	501	501	500	491	427	361	316	296	19
20	477	476	475	473	473	471	471	426	361	315	297	20
22	429	428	427	425	425	423	423	421	361	316	298	22
24	390	388	387	386	385	384	383	381	362	317	297	24
26	356	355	354	352	352	350	350	348	347	318	297	26
28	328	327	325	324	324	322	321	320	319	317	298	28
30	304	302	301	300	299	298	297	295	294	292	292	30
32	282	281	280	278	278	276	275	274	273	271	270	32
34	264	262	261	260	259	258	257	255	254	252	252	34
36	247	246	244	243	242	241	240	238	238	236	235	36
38	232	231	230	228	228	226	225	224	223	221	220	38
40		218	216	215	214	213	212	210	209	208	207	40
44		195	193	192	191	190	189	187	186	185	184	44
48			174	173	172	171	170	168	167	166	165	48
52				157	156	155	154	152	151	150	149	52
56					142	141	140	138	138	136	135	56
60						129	128	126	126	124	123	60
64						118	118	116	115	114	113	64
68							108	107	106	104	103	68
72								99.0	98.3	96.6	95.7	72
76									90.9	89.2	88.3	76
80									84.3	82.6	81.7	80
84										76.6	75.7	84
88											70.2	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.

HDB Configuration 4/4

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

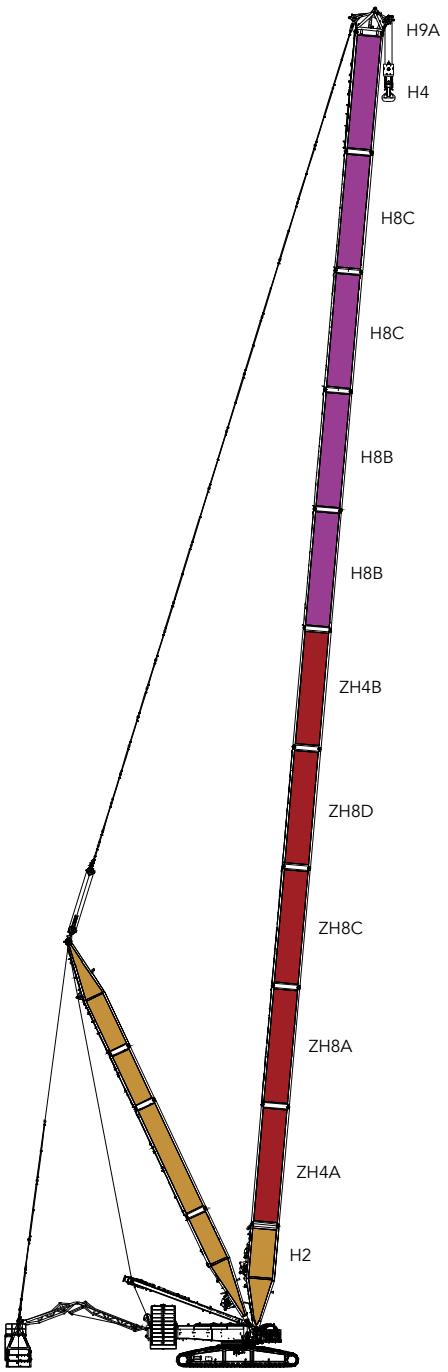
Radius(m)	42	48	54	60	66	72	78	84	90	96	99	Radius(m)
7.5	890*											7.5
8	890*	742*										8
9	890*	749*	694*	637*								9
10	890*	747*	694*	637*	579*	521*						10
11	890*	752*	694*	637*	579*	521*	486*	420*				11
12	900*	755*	694*	637*	579*	521*	487*	421*	356*	313*		12
13	900*	762*	694*	637*	579*	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	873	779	723	637*	579*	521*	491*	424*	360*	316*	295*	16
17	817	786	723	637*	579*	521*	491*	425*	360*	316*	295*	17
18	768	766	723	637	579*	521*	491*	427*	360*	316*	295*	18
19	723	722	721	637	579*	550*	491*	427*	361*	316*	296*	19
20	684	683	681	666	579	550*	491*	426*	361*	315*	297*	20
22	616	615	614	612	608	550	491*	428*	361*	316*	298*	22
24	560	559	558	556	556	550	491	430*	362*	317*	297*	24
26	513	512	511	509	509	507	491	428	363*	318*	297*	26
28	473	472	471	469	469	467	467	429	363*	317*	298*	28
30	439	438	436	435	434	433	432	430	361	317*	298*	30
32	409	408	406	405	404	403	402	400	362	317	298*	32
34	383	381	380	378	378	376	376	374	361	317	298	34
36	359	358	357	355	355	353	352	350	350	317	298	36
38	338	337	336	334	334	332	331	330	329	317	297	38
40		318	317	315	315	313	313	311	310	308	297	40
44		286	285	283	283	281	280	279	278	276	275	44
48			258	256	256	254	253	252	251	249	248	48
52				234	233	232	231	229	228	226	226	52
56					214	212	211	210	209	207	206	56
60						195	195	193	192	190	189	60
64						181	180	178	177	176	175	64
68							167	165	165	163	162	68
72								154	153	151	150	72
76									143	141	140	76
80									133	132	131	80
84										123	122	84
88											115	88

HDB_5 Configuration

Boom combination in HDB_5

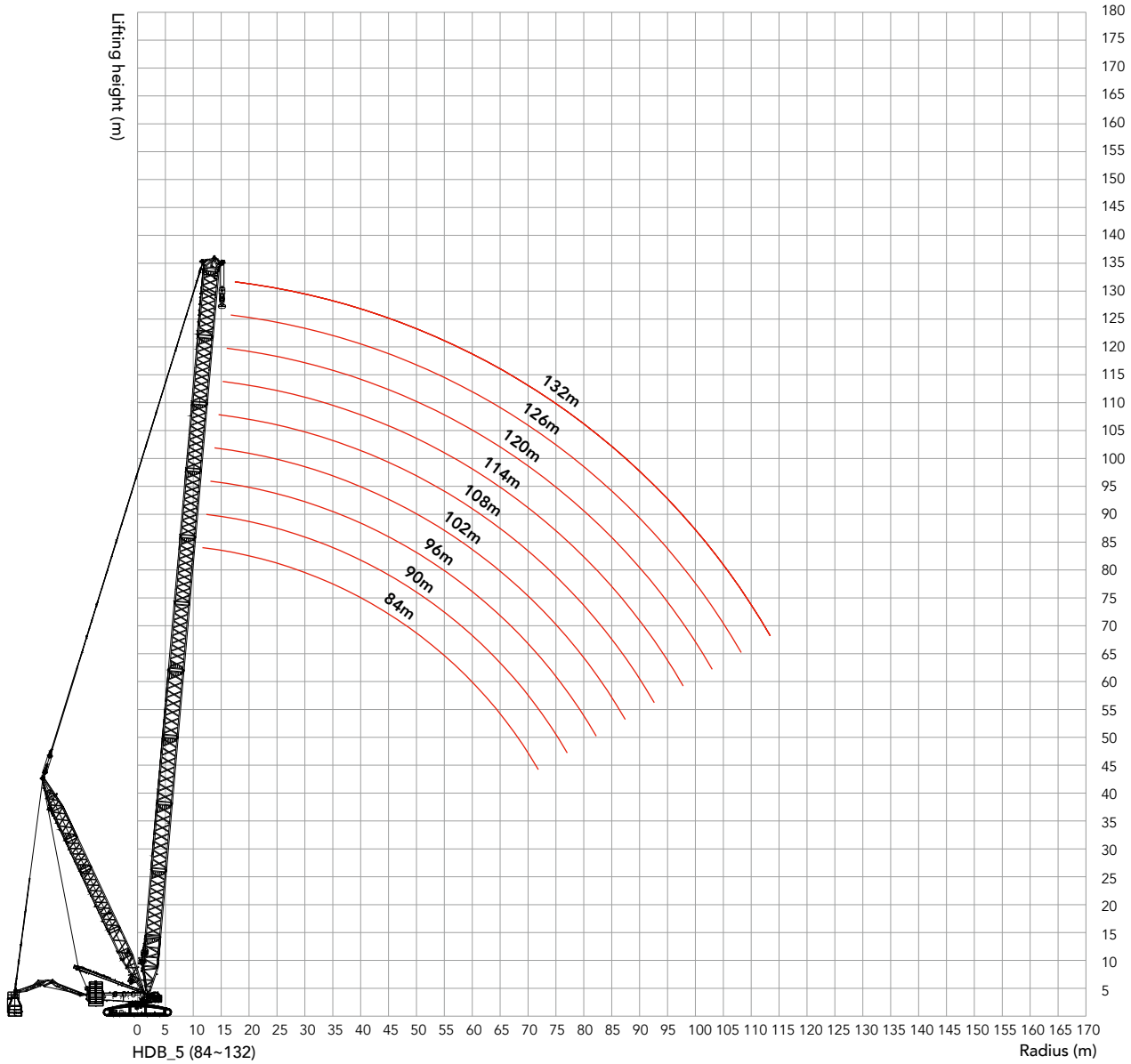
Boom length (m)	Power boom				Boom insert			
	12m lower transition section	12mA	12mD	12m upper transition section	6m	12mB	12mC	12mD
84	1	2	1	1	-	-	-	-
90	1	2	1	1	1	-	-	-
96	1	2	1	1	-	1	-	-
102	1	2	1	1	1	1	-	-
108	1	2	1	1	-	2	-	-
114	1	2	1	1	1	2	-	-
120	1	2	1	1	-	2	1	-
126	1	2	1	1	1	2	1	-
132	1	2	1	1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

Note: The 10.5m boom base, 12m 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.

HDB_5 Configuration 1/4

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

Radius(m)	84	90	96	102	108	114	120	126	132	Radius(m)
11	407									11
12	369	359	347							12
13	332	331	321	310						13
14	302	301	298	288	279	270				14
15	276	274	274	269	261	252	245	237		15
16	253	252	251	250	244	236	230	222	216	16
17	234	233	232	230	229	222	216	209	204	17
18	217	216	215	213	212	210	204	197	192	18
19	202	200	199	198	197	195	193	187	182	19
20	189	187	186	184	183	181	181	177	172	20
22	166	164	163	161	160	158	158	156	155	22
24	147	145	144	142	141	139	139	137	136	24
26	132	130	129	127	125	123	123	121	120	26
28	118	117	115	113	112	110	109	108	107	28
30	107	105	104	102	100	98.9	98.4	96.4	95.5	30
32	97.6	95.8	94.4	92.4	90.9	89.0	88.3	86.3	85.4	32
34	97.9	87.1	85.7	83.7	82.2	80.2	79.6	77.5	76.6	34
36	89.6	87.8	78.0	76.0	74.5	72.5	71.8	69.7	68.8	36
38	82.3	80.4	79.1	69.2	67.6	65.6	64.9	62.8	61.9	38
40	75.7	73.8	72.5	70.5	61.5	59.4	58.7	56.6	55.6	40
44	64.4	62.5	61.1	59.2	57.6	55.6	48.1	46.0	45.0	44
48	60.7	53.1	51.7	49.7	48.2	46.1	45.4	43.4	36.1	48
52	52.1	50.4	49.1	41.8	40.2	38.2	37.5	35.4	34.4	52
56	44.8	43.1	41.8	39.9	33.4	31.4	30.6	28.5	27.5	56
60	38.5	36.7	35.4	33.5	32.1	25.5	24.7	22.6	21.6	60
64	32.9	31.2	29.9	28.0	26.5	24.5	23.8	17.4	16.5	64
68	28.0	26.3	25.0	23.1	21.6	19.6	18.9	16.9	11.9	68
72	23.6	21.9	20.6	18.7	17.3	15.3	14.6	12.5	11.6	72
76		17.9	16.7	14.8	13.4	11.4	10.7	8.6	7.7	76
80		14.3	13.1	11.3	9.8	7.9	7.2	5.1	4.2	80
84			9.8	8.0	6.6	4.7	4.0	1.9	1.0	84
88				5.0	3.7	1.7	1.1			88
92					0.9					92

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.

HDB_5 Configuration 2/4

Boom length 84~132m, Superlift Radius 18m, Superlift CW 150t, Rear CW 230t, Carbody CW 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	437	432	402	372	342	311	294	260	229	17
18	407	406	401	372	342	311	294	260	229	18
19	381	380	379	370	342	311	294	260	229	19
20	358	356	355	351	342	334	294	260	229	20
22	318	317	316	314	311	304	295	260	229	22
24	286	284	283	281	280	278	272	259	228	24
26	259	257	256	254	253	251	250	244	226	26
28	236	234	233	231	230	228	227	225	221	28
30	216	214	213	211	210	208	207	205	204	30
32	199	197	196	194	192	190	190	188	187	32
34	192	182	181	179	177	175	175	173	172	34
36	178	177	167	165	164	162	161	159	158	36
38	166	165	163	154	152	150	149	147	147	38
40	156	154	152	151	142	139	139	137	136	40
44	137	135	133	131	130	128	121	118	117	44
48	122	119	118	116	114	112	112	109	102	48
122	119	118	116	114	112	112	109	102	48	52
56	99.0	97.3	96.1	94.3	90.1	88.0	87.3	85.2	84.3	56
60	89.4	87.8	86.6	84.8	83.4	78.2	77.5	75.4	74.4	60
64	81.1	79.4	78.2	76.5	75.1	73.3	72.5	66.8	65.8	64
68	73.7	72.1	70.9	69.1	67.8	65.9	65.2	63.2	58.3	68
72	67.0	65.4	64.2	62.3	60.9	58.9	58.3	56.2	55.3	72
76		59.0	57.9	56.0	54.6	52.7	52.0	50.0	49.0	76
80		53.3	52.2	50.4	49.0	47.0	46.4	44.3	43.4	80
84			47.0	45.2	43.8	41.9	41.2	39.2	38.3	84
88				40.5	39.1	37.2	36.6	34.5	33.6	88
92					34.8	32.9	32.3	30.3	29.4	92
96					30.8	29.0	28.4	26.4	25.5	96
100						25.3	24.7	22.7	21.9	100
104							21.3	19.4	18.5	104
108								16.2	15.4	108
112									12.5	112
116									9.7	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.

HDB_5 Configuration 3/4

Boom length 84~132m, Superlift Radius 20m, Superlift CW 300t, Rear CW 230t, Carbody CW 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	445	432	402	372	342	311	294	260	229	19
20	420	418	402	372	342	334	294	260	229	20
22	376	374	373	372	342	335	295	260	229	22
24	340	338	337	335	334	332	295	259	228	24
26	309	308	307	305	304	302	295	260	226	26
28	283	282	281	279	278	276	275	260	224	28
30	261	260	258	257	255	253	253	251	222	30
32	242	240	239	237	236	234	233	231	220	32
34	225	223	222	220	219	217	216	214	213	34
36	209	208	207	205	204	202	201	199	198	36
38	196	194	193	191	190	188	187	186	185	38
40	184	182	181	179	178	176	175	173	172	40
44	163	161	160	158	157	155	153	151	150	44
48	146	144	143	141	140	138	137	135	132	48
52	131	129	128	126	125	123	122	120	120	52
56	118	117	115	114	112	111	110	108	107	56
60	107	106	105	103	101	100	99.3	97.5	96.6	60
64	98.4	96.8	95.6	93.8	92.4	90.6	89.8	88.0	87.1	64
68	90.0	88.3	87.2	85.4	84.0	82.2	81.5	79.6	78.7	68
72	82.4	80.8	79.7	77.9	76.6	74.8	74.0	72.1	71.2	72
76		74.1	73.0	71.2	69.9	68.1	67.3	65.5	64.6	76
80		68.0	66.9	65.2	63.9	62.1	61.3	59.5	58.6	80
84			61.4	59.7	58.4	56.6	55.9	54.0	53.1	84
88				54.7	53.4	51.6	50.9	49.1	48.2	88
92					48.8	47.1	46.4	44.5	43.7	92
96					44.6	42.9	42.2	40.4	39.5	96
100						39.0	38.3	36.5	35.7	100
104							34.7	32.8	31.9	104
108								29.1	28.3	108
112									24.9	112
116									21.7	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.

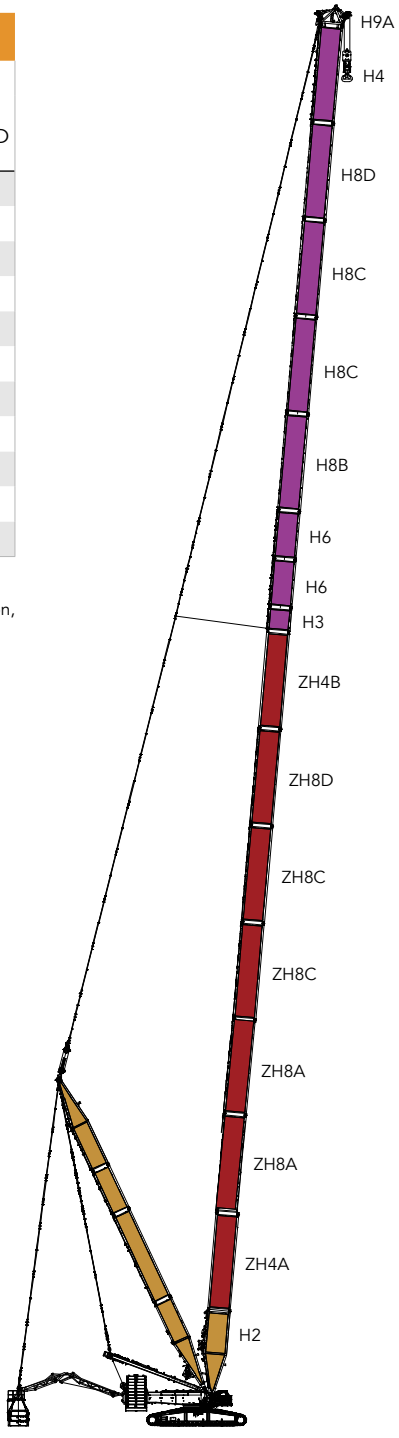
HDB_5 Configuration 4/4										
Boom length 84~132m, Superlift Radius 22m, Superlift CW 440t, Rear CW 230t, Carbody CW 80t										
Radius(m)	84	90	96	102	108	114	120	126	132	Radius(m)
11	462*									11
12	462*	432*	402*							12
13	462*	432*	402*	372*						13
14	462*	432*	402*	372*	342*	311*				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	460	432	402	372	342*	337*	294*	260*	224*	28
30	426	424	402	372	342	336	295*	258*	222*	30
32	396	394	393	372	342	336	295*	256*	220*	32
34	369	367	366	364	363	336	292	253*	218*	34
36	346	344	343	341	340	335	290	251*	216*	36
38	325	323	322	320	319	317	287	249	214*	38
40	306	304	303	301	300	298	285	246	212*	40
44	274	272	271	269	268	266	265	242	207	44
48	247	245	244	242	241	239	238	236	203	48
52	224	223	221	220	218	216	216	214	198	52
56	205	203	202	200	199	197	196	194	194	56
60	188	187	185	184	182	180	180	178	177	60
64	174	172	171	169	168	166	165	163	162	64
68	161	159	158	156	155	153	152	150	149	68
72	149	147	146	145	143	141	141	139	138	72
76		137	136	134	133	131	130	129	128	76
80		128	127	125	124	122	121	119	118	80
84			118	117	115	114	113	111	110	84
88				109	108	106	105	103	102	88
92					101	99.4	98.7	96.8	96.0	92
96					94.7	93.0	92.3	90.5	89.6	96
100						87.1	86.4	84.6	83.8	100
104							81.0	79.1	78.3	104
108								74.1	73.3	108
112									66.0	112
116									59.0	116

HDB_7 Configuration

Boom combination in HDB_7

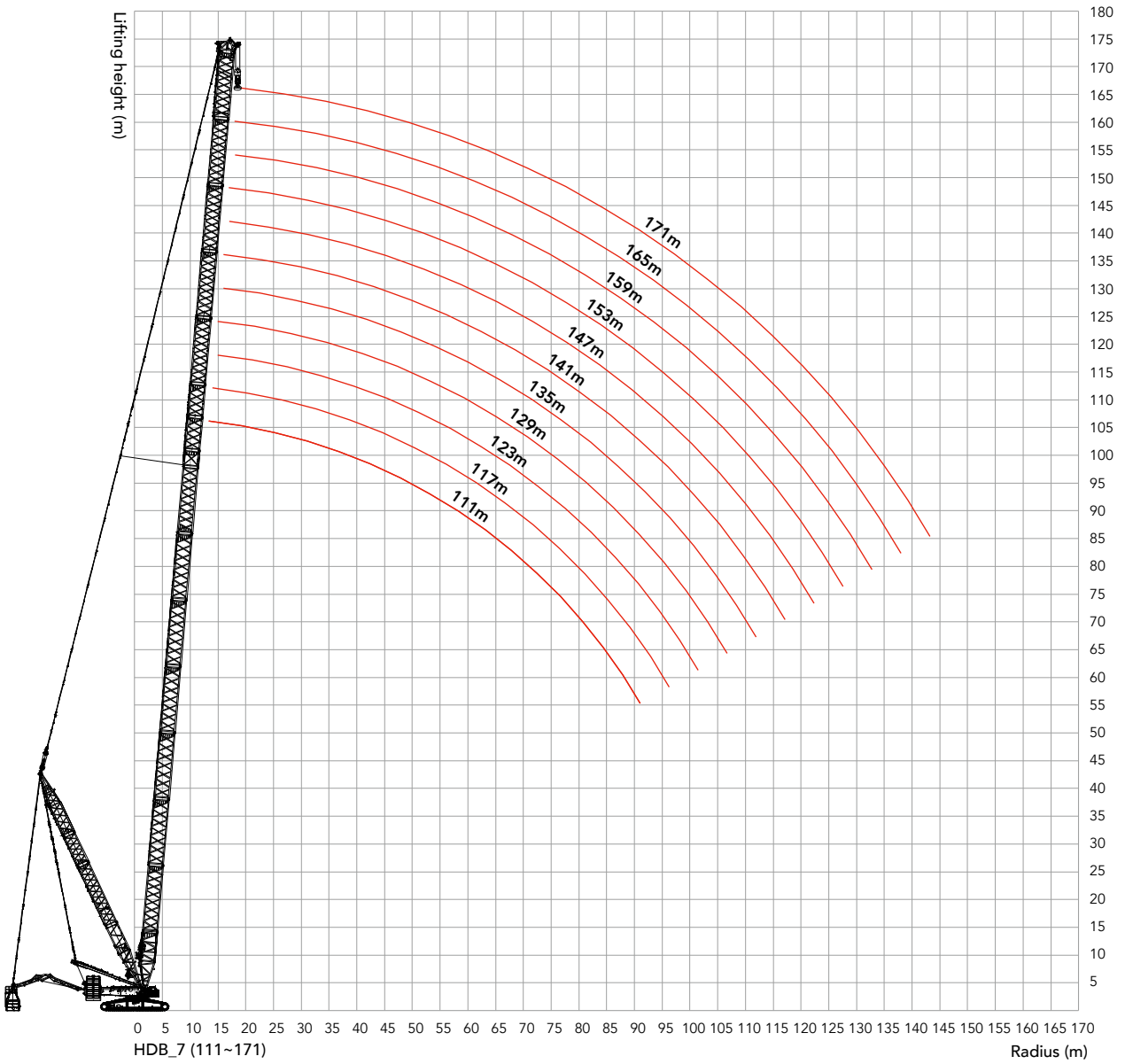
Boom length (m)	Power boom					Boom insert				
	12m lower transition section	12mA	12mC	12mD	12m upper transition section	3m	6m	12mB	12mC	12mD
111	1	2	2	1	1	1	-	-	-	-
117	1	2	2	1	1	1	1	-	-	-
123	1	2	2	1	1	1	-	-	-	1
129	1	2	2	1	1	1	1	-	-	1
135	1	2	2	1	1	1	-	-	1	1
141	1	2	2	1	1	1	1	-	1	1
147	1	2	2	1	1	1	-	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 10.5m boom base, 12m 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 147m~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.

HDB_7 Configuration 1/4

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

Radius(m)	111	117	123	129	135	141	147	153	159	165	171	Radius(m)
14	271	262										14
15	253	245	239	231								15
16	237	230	224	217	211	204						16
17	223	216	210	204	198	192	186	179				17
18	207	203	198	192	187	181	175	169	155	138		18
19	192	191	187	181	177	171	166	160	155	137	121	19
20	179	177	177	171	167	162	157	151	147	137	121	20
22	155	154	154	152	150	145	141	136	132	127	120	22
24	136	135	135	133	133	131	127	122	119	115	110	24
26	121	119	119	117	117	115	113	110	107	103	99.6	26
28	107	105	106	104	103	101	100	98.3	97.5	93.8	89.9	28
30	96.2	94.3	94.4	92.6	91.9	90.0	88.5	86.5	85.7	83.7	81.1	30
32	86.2	84.3	84.3	82.5	81.8	79.8	78.4	76.4	75.5	73.5	71.5	32
34	77.4	75.5	75.5	73.7	73.0	71.0	69.5	67.5	66.6	64.6	62.5	34
36	69.7	67.8	67.7	65.9	65.1	63.1	61.6	59.6	58.7	56.6	54.6	36
38	62.8	60.8	60.8	58.9	58.2	56.2	54.6	52.6	51.7	49.6	47.5	38
40	56.6	54.7	54.6	52.7	52.0	49.9	48.4	46.3	45.4	43.3	41.2	40
44	52.8	50.9	44.0	42.0	41.3	39.2	37.6	35.5	34.6	32.5	30.4	44
48	43.3	41.4	41.3	39.4	32.4	30.3	28.7	26.6	25.6	23.5	21.4	48
52	35.3	33.4	33.3	31.4	30.6	28.6	21.2	19.1	18.1	16.0	13.8	52
56	28.5	26.6	26.5	24.5	23.8	21.7	20.1	18.0	11.7	9.6	7.4	56
60	27.2	20.7	20.6	18.6	17.9	15.8	14.2	12.1	11.1	9.0	1.8	60
64	21.6	19.8	15.4	13.5	12.7	10.6	9.0	6.9	5.9	3.7	1.6	64
68	16.7	14.9	14.8	12.9	8.1	6.0	4.4	2.3	1.3			68
72	12.4	10.5	10.4	8.6	7.8	2.0	0.3					72
76	8.5	6.6	6.5	4.7	3.9	1.9						76
80	4.9	3.1	3.0	1.1	0.4							80
84	1.7											84

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.

HDB_7 Configuration 2/4

Boom length 111~171m, Superlift Radius 18m, Superlift CW 150t, Rear CW 230t, Carbody CW 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	335	311	311	280	249	223	200	180	154	137	121	20
22	304	297	291	281	249	222	200	179	153	136	120	22
24	275	271	266	260	249	222	200	178	152	135	119	24
26	248	246	245	239	234	222	200	177	151	134	118	26
28	225	223	223	220	216	211	199	176	150	133	117	28
30	205	203	203	202	200	195	191	175	149	132	116	30
32	188	186	186	184	184	181	177	173	148	131	115	32
34	173	171	171	169	168	166	165	161	147	130	114	34
36	159	157	157	156	155	153	151	149	146	129	113	36
38	147	145	145	144	143	141	139	137	136	128	112	38
40	137	135	135	133	132	130	129	127	126	124	112	40
44	125	123	116	115	114	112	110	108	107	105	103	44
48	109	107	107	106	99.0	97.0	95.4	93.3	92.4	90.3	88.2	48
52	96.5	94.6	94.6	92.7	91.9	89.9	82.6	80.5	79.5	77.4	75.3	52
56	85.2	83.3	83.2	81.3	80.5	78.5	76.9	74.8	68.5	66.4	64.3	56
60	79.0	73.4	73.3	71.4	70.7	68.6	67.0	64.9	64.0	61.9	54.8	60
64	70.7	69.0	64.8	62.8	62.1	60.0	58.4	56.3	55.4	53.2	51.1	64
68	63.0	61.2	61.1	59.3	54.5	52.4	50.8	48.7	47.8	45.6	43.5	68
72	56.0	54.2	54.1	52.3	51.6	45.7	44.1	42.0	41.0	38.9	36.7	72
76	49.7	47.9	47.9	46.0	45.3	43.3	38.1	36.0	35.0	32.9	30.7	76
80	44.1	42.3	42.2	40.3	39.6	37.6	36.1	34.0	29.6	27.5	25.3	80
84	38.9	37.1	37.1	35.2	34.5	32.5	31.0	28.9	27.9	22.6	20.4	84
88	34.2	32.5	32.4	30.6	29.9	27.9	26.3	24.2	23.3	21.2	15.9	88
92	29.9	28.2	28.1	26.3	25.6	23.6	22.1	20.0	19.1	16.9	14.8	92
96	25.9	24.2	24.2	22.4	21.7	19.7	18.2	16.1	15.2	13.0	10.9	96
100		20.6	20.6	18.8	18.1	16.1	14.6	12.5	11.6	9.5	7.3	100
104		17.1	17.2	15.4	14.8	12.8	11.2	9.2	8.3	6.1	4.0	104
108			14.0	12.3	11.7	9.7	8.1	6.1	5.2	3.1	0.9	108
112				9.3	8.7	6.8	5.3	3.2	2.3			112
116					6.0	4.1	2.6	0.5				116
120						1.5						120

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.

HDB_7 Configuration 3/4

Boom length 111~171m, Superlift Radius 20m, Superlift CW 300t, Rear CW 230t, Carbody CW 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	336	311	311	281	249	220	199*	176*	150*	133*	117*	28
30	309	308	307	281	248	218	198	175*	149*	132*	116*	30
32	286	284	284	281	246	216	197	174	148*	131*	115*	32
34	266	264	264	262	244	213	196	173	147	130*	114*	34
36	247	246	246	244	242	211	195	172	146	129*	113*	36
38	231	230	229	228	227	209	194	171	145	128	112*	38
40	217	215	215	213	213	207	193	170	144	127	112	40
44	192	190	190	188	188	186	184	168	142	125	110	44
48	171	169	169	167	167	165	163	162	140	123	108	48
52	154	152	152	150	149	147	146	144	138	122	107	52
56	139	137	137	135	134	132	131	129	128	120	105	56
60	126	124	124	122	121	119	118	116	115	113	103	60
64	114	113	112	111	110	108	107	105	104	102	100	64
68	104	103	102	101	100	98.6	97.2	95.3	94.4	92.5	90.5	68
72	96.0	94.2	94.1	92.3	91.6	89.8	88.3	86.4	85.5	83.6	81.7	72
76	88.0	86.3	86.1	84.4	83.7	81.8	80.4	78.5	77.6	75.7	73.7	76
80	80.8	79.1	79.0	77.2	76.6	74.7	73.3	71.4	70.5	68.6	66.6	80
84	74.3	72.6	72.5	70.8	70.1	68.2	66.8	64.9	64.0	62.1	60.2	84
88	68.4	66.7	66.6	64.9	64.2	62.4	60.9	59.0	58.2	56.2	54.3	88
92	63.0	61.3	61.2	59.5	58.8	57.0	55.6	53.7	52.8	50.9	48.9	92
96	58.0	56.3	56.2	54.6	53.9	52.1	50.6	48.7	47.9	45.9	44.0	96
100		51.7	51.7	50.0	49.3	47.5	46.1	44.2	43.3	41.4	39.5	100
104		47.5	47.4	45.8	45.1	43.3	41.9	40.0	39.2	37.2	35.3	104
108			43.5	41.8	41.2	39.4	38.0	36.1	35.3	33.4	31.4	108
112				38.2	37.6	33.9	34.4	32.5	31.7	29.7	27.8	112
116					34.1	27.5	31.0	29.1	28.3	26.4	24.4	116
120						19.2	27.8	26.0	25.1	23.2	21.3	120
124						12.5	24.8	23.0	22.2	20.3	18.3	124
128							22.0	20.2	19.4	17.5	15.6	128
132								17.5	16.7	14.9	13.0	132
136									14.2	12.4	10.4	136
140									11.9	9.9	7.8	140

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.

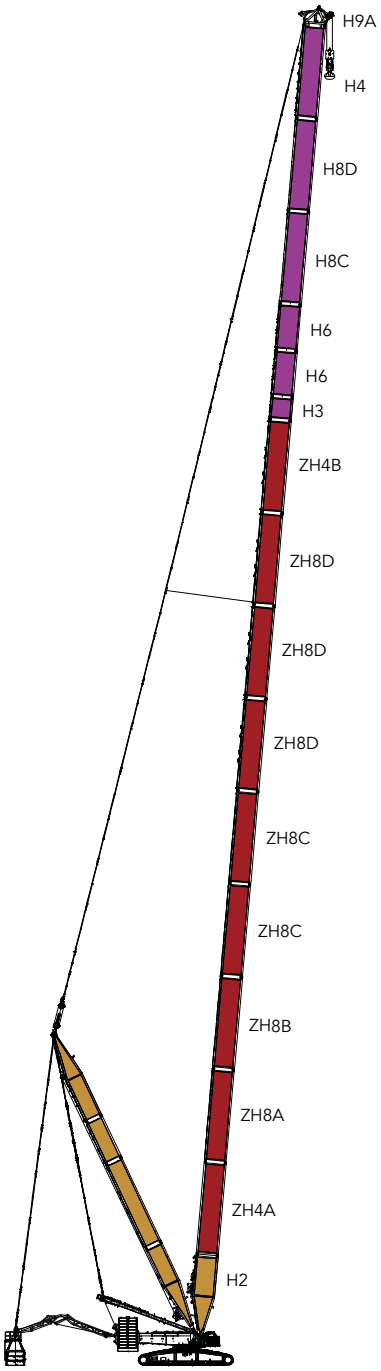
HDB_7 Configuration 4/4												
Boom length 111~171m, Superlift Radius 22m, Superlift CW 440t, Rear CW 230t, Carbody CW 80t												
Radius(m)	111	117	123	129	135	141	147	153	159	165	171	Radius(m)
14	342*	311*										14
15	342*	311*	311*	279*								15
16	342*	311*	311*	279*	249*	222*						16
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	335	334	311	281	242*	211*	195*	172*	146*	129*	113*	36
38	314	313	311	278	240	209*	194*	171*	145*	128*	112*	38
40	296	294	294	276	237	207*	193*	170*	144*	127*	112*	40
44	263	262	261	260	233	202	190*	168*	142*	125*	110*	44
48	237	235	235	233	228	197	188	166*	140*	123*	108*	48
52	214	212	212	210	210	192	186	164	138*	122*	107*	52
56	195	193	193	191	190	179	184	162	137	120*	105*	56
60	178	176	176	174	173	165	170	159	135	118*	103*	60
64	163	161	161	160	159	153	156	154	133	117	102*	64
68	150	149	148	147	146	140	143	141	131	115	100	68
72	139	137	137	135	134	127	131	129	128	113	99.0	72
76	129	127	127	125	124	116	121	119	118	112	97.4	76
80	119	118	117	116	115	105	112	110	109	107	95.8	80
84	111	109	109	107	107	94.7	103	101	101	99.1	94.4	84
88	103	102	101	100	99.5	85.5	96.3	94.4	93.5	91.6	89.6	88
92	96.8	95.1	95.0	93.3	92.6	75.2	89.3	87.4	86.6	84.6	82.7	92
96	90.3	88.7	88.6	86.9	85.1	66.9	83.0	81.1	80.2	78.3	76.4	96
100		82.8	82.7	81.0	75.9	57.7	77.1	75.3	74.4	72.5	70.5	100
104		77.3	77.3	75.6	66.8	50.3	71.7	69.9	69.0	67.1	65.1	104
108			72.2	70.6	58.0	41.8	66.7	64.8	64.0	62.1	60.1	108
112				63.1	49.8	33.9*	62.1	60.2	59.3	57.4	55.5	112
116					40.3	27.5*	57.7	55.8	55.0	53.1	51.2	116
120						19.2*	53.6	51.8	50.9	49.0	47.1	120
124						12.5*	49.8	48.0	47.1	45.2	43.3	124
128							46.2	44.4	43.6	41.7	39.8	128
132								41.0	40.2	38.3	36.4	132
136									37.0	35.1	33.3	136
140									34.0	32.1	30.3	140
144										29.3	27.4	144
148											24.7	148

HDB_9 Configuration

Boom combination in HDB_9

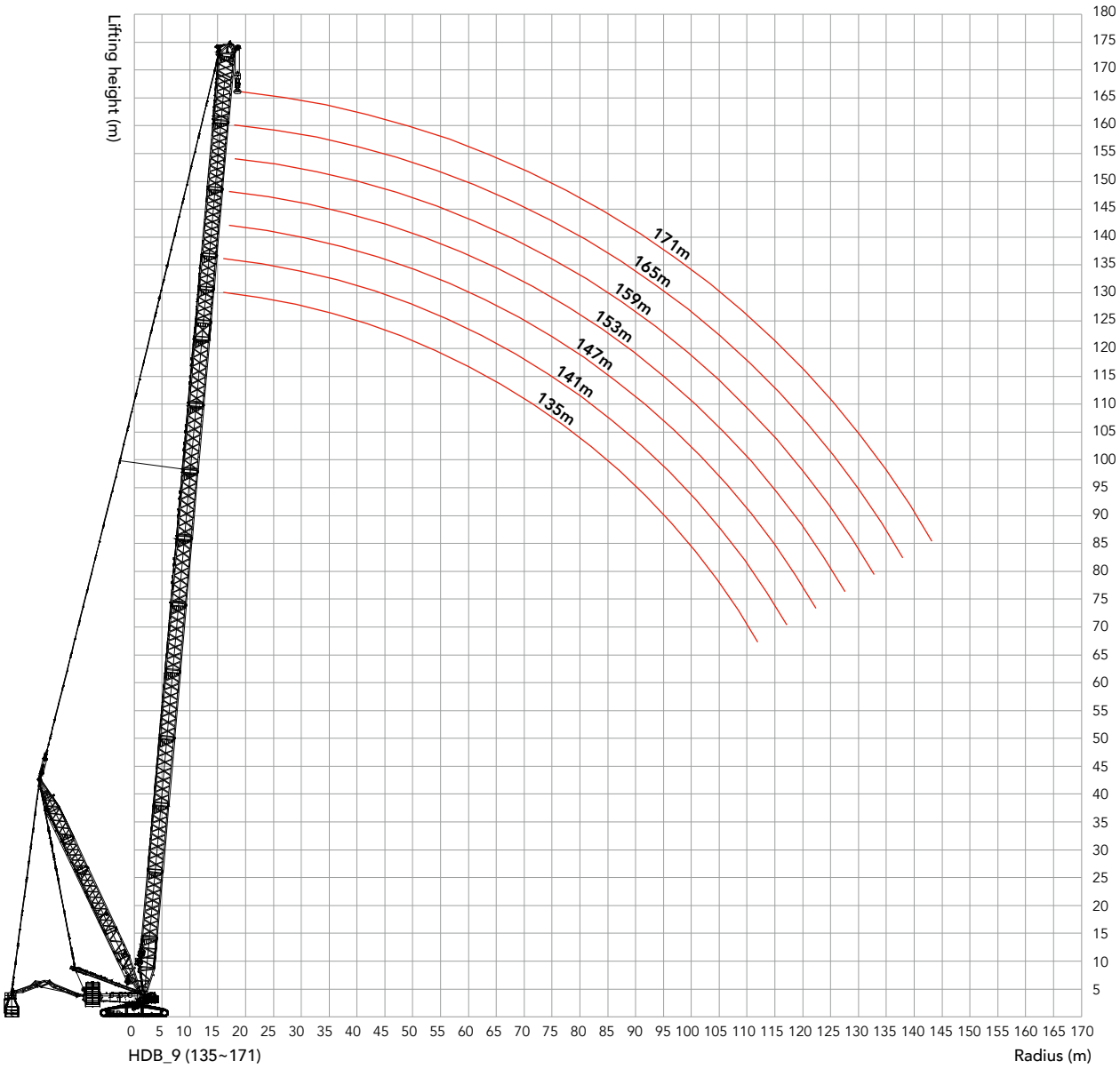
Boom length (m)	Power boom						Boom insert			
	12m lower transition section	12mA	12mB	12mC	12mD	12m upper transition section	3m	6m	12mC	12mD
135	1	2	2	2	1	1	1	-	-	-
141	1	2	2	2	1	1	1	1	-	-
147	1	2	2	2	1	1	1	-	-	1
153	1	2	2	2	1	1	1	1	-	1
159	1	2	2	2	1	1	1	-	1	1
165	1	2	2	2	1	1	1	1	1	1
171	1	2	2	2	1	1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

Note: The 10.5m boom base, 12m 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.

HDB_9 Configuration 1/4

Boom length 135~171m, Superlift Radius 16m, Superlift CW 0t, Rear CW 230t, Carbody CW 80t

Radius(m)	135	141	147	153	159	165	171	Radius(m)
16	207	200						16
17	195	188	184	178				17
18	184	177	173	167	163	157		18
19	173	167	164	158	154	148	143	19
20	164	158	155	149	145	140	135	20
22	147	142	138	134	130	125	121	22
24	129	127	125	120	117	113	108	24
26	113	111	111	108	105	101	97.6	26
28	99.8	97.9	97.9	95.9	95.3	91.7	87.8	28
30	88.1	86.2	86.2	84.2	83.5	81.6	79.1	30
32	78.0	76.1	76.0	74.0	73.3	71.3	69.3	32
34	69.1	67.2	67.1	65.1	64.4	62.4	60.3	34
36	61.3	59.3	59.2	57.2	56.5	54.4	52.4	36
38	54.4	52.3	52.2	50.2	49.5	47.4	45.3	38
40	48.1	46.1	46.0	43.9	43.2	41.1	39.0	40
44	37.4	35.3	35.2	33.1	32.4	30.3	28.1	44
48	28.5	26.4	26.3	24.2	23.4	21.3	19.2	48
52	26.8	24.7	18.8	16.7	15.9	13.8	11.6	52
56	19.9	17.8	17.7	15.6	9.5	7.3	5.2	56
60	13.9	11.9	11.8	9.6	8.9	6.7		60
64	8.8	6.7	6.6	4.4	3.6	1.5		64
68	4.2	2.1	2.0					68
72	3.9							72

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.

HDB_9 Configuration 2/4								
Boom length 135~171m, Superlift Radius 18m, Superlift CW 150t, Rear CW 230t, Carbody CW 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	274	248	224	202	181	162	144	22
24	251	244	224	201	181	161	143	24
26	230	225	221	201	181	160	142	26
28	212	207	204	198	180	160	141	28
30	197	192	189	184	179	159	140	30
32	180	178	175	170	167	158	140	32
34	164	163	163	158	155	151	139	34
36	151	149	149	147	145	141	136	36
38	139	137	137	135	134	131	127	38
40	128	126	126	124	124	121	119	40
44	110	108	108	106	105	103	101	44
48	95.2	93.1	93.0	90.9	90.2	88.1	85.9	48
52	88.0	86.0	80.2	78.1	77.3	75.2	73.0	52
56	76.6	74.6	74.5	72.4	66.3	64.2	62.0	56
60	66.8	64.7	64.6	62.5	61.8	59.6	52.5	60
64	58.2	56.1	56.0	53.9	53.1	51.0	48.8	64
68	50.6	48.5	48.4	46.3	45.5	43.4	41.2	68
72	47.6	41.8	41.7	39.6	38.8	36.6	34.5	72
76	41.4	39.3	35.7	33.5	32.8	30.6	28.4	76
80	35.7	33.7	33.6	31.5	27.3	25.2	23.0	80
84	30.6	28.6	28.5	26.4	25.7	20.3	18.1	84
88	25.9	23.9	23.9	21.8	21.0	18.9	13.7	88
92	21.7	19.6	19.6	17.5	16.8	14.7	12.5	92
96	17.8	15.7	15.7	13.6	12.9	10.8	8.6	96
100	14.1	12.1	12.1	10.0	9.3	7.2	5.0	100
104	10.8	8.8	8.8	6.7	6.0	3.9	1.7	104
108	7.7	5.7	5.7	3.6	2.9	0.8		108
112	4.8	2.8	2.8	0.7				112
116	2.0							116

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.

HDB_9 Configuration 3/4

Boom length 135~171m, Superlift Radius 20m, Superlift CW 300t, Rear CW 230t, Carbody CW 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	258	250	225	203	177	157	139*	34
36	240	238	225	203	176	156	138	36
38	224	222	222	203	175	155	137	38
40	209	207	207	202	174	155	136	40
44	184	182	182	180	172	153	134	44
48	163	161	161	159	159	151	133	48
52	146	144	144	142	141	139	131	52
56	131	129	129	127	126	124	122	56
60	118	116	116	114	113	111	109	60
64	107	105	105	103	102	100	98.5	64
68	97.0	95.2	95.0	93.1	92.4	90.5	88.5	68
72	88.2	86.3	86.2	84.3	83.5	81.6	79.7	72
76	80.2	78.4	78.2	76.3	75.6	73.7	71.7	76
80	73.1	71.2	71.1	69.2	68.5	66.5	64.6	80
84	66.6	64.8	64.6	62.7	62.0	60.1	58.1	84
88	60.7	58.9	58.8	56.9	56.1	54.2	52.3	88
92	55.3	53.5	53.4	51.5	50.8	48.9	46.9	92
96	50.4	48.6	48.5	46.6	45.9	43.9	42.0	96
100	45.8	44.0	43.9	42.0	41.3	39.4	37.5	100
104	41.6	39.8	39.7	37.8	37.1	35.2	33.3	104
108	37.7	35.9	35.8	33.9	33.2	31.3	29.4	108
112	34.0	32.2	32.2	30.3	29.6	27.7	25.8	112
116	30.6	28.8	28.8	26.9	26.3	24.3	22.4	116
120		25.7	25.6	23.8	23.1	21.2	19.3	120
124		22.6	22.6	20.8	20.1	18.2	16.3	124
128			19.8	18.0	17.3	15.5	13.5	128
132				15.3	14.7	12.8	10.9	132
136					12.2	10.2	8.1	136
140					9.6	7.6	5.5	140
144						5.1	3.0	144
148							0.6	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.

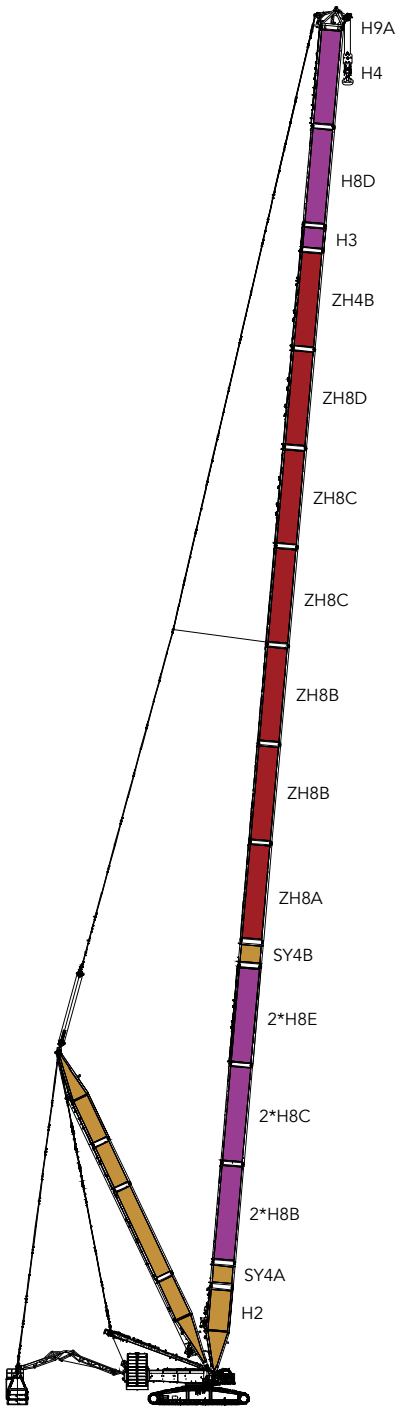
HDB_9 Configuration 4/4								
Boom length 135~171m, Superlift Radius 22m, Superlift CW 440t, Rear CW 230t, Carbody CW 80t								
Radius(m)	135	141	147	153	159	165	171	Radius(m)
16	275*	245*						16
17	275*	246*	222*	200*				17
18	275*	246*	222*	200*	179*	162*		18
19	275*	247*	222*	201*	180*	162*	145*	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	256	249	226	200	172*	153*	134*	44
48	229	227	224	198	171	151*	133*	48
52	206	204	204	196	169	149	131*	52
56	187	185	185	183	167	147	129	56
60	170	168	168	166	165	145	128	60
64	155	154	153	151	151	143	126	64
68	142	141	140	139	138	136	124	68
72	131	129	129	127	126	124	122	72
76	121	119	119	117	116	114	112	76
80	112	110	110	108	107	105	103	80
84	103	101	101	99.8	99.1	97.1	95.2	84
88	96.1	94.2	94.1	92.2	91.5	89.5	87.6	88
92	89.1	87.3	87.2	85.3	84.6	82.6	80.7	92
96	82.7	80.9	80.8	78.9	78.2	76.3	74.3	96
100	76.9	75.1	75.0	73.1	72.4	70.4	68.5	100
104	71.5	69.6	69.6	67.7	67.0	65.1	63.1	104
108	66.4	64.6	64.5	62.7	62.0	60.1	58.1	108
112	61.7	59.9	59.9	58.0	57.3	55.4	53.5	112
116	57.4	55.6	55.5	53.7	53.0	51.1	49.1	116
120		51.5	51.4	49.6	48.9	47.0	45.1	120
124		47.6	47.6	45.8	45.1	43.2	41.3	124
128			44.0	42.2	41.5	39.7	37.7	128
132				38.8	38.2	36.3	34.4	132
136					35.0	33.1	31.2	136
140					32.0	30.1	28.2	140
144						27.3	25.4	144
148							22.7	148

HDB_SY3 Configuration

Boom combination in HDB_SY3

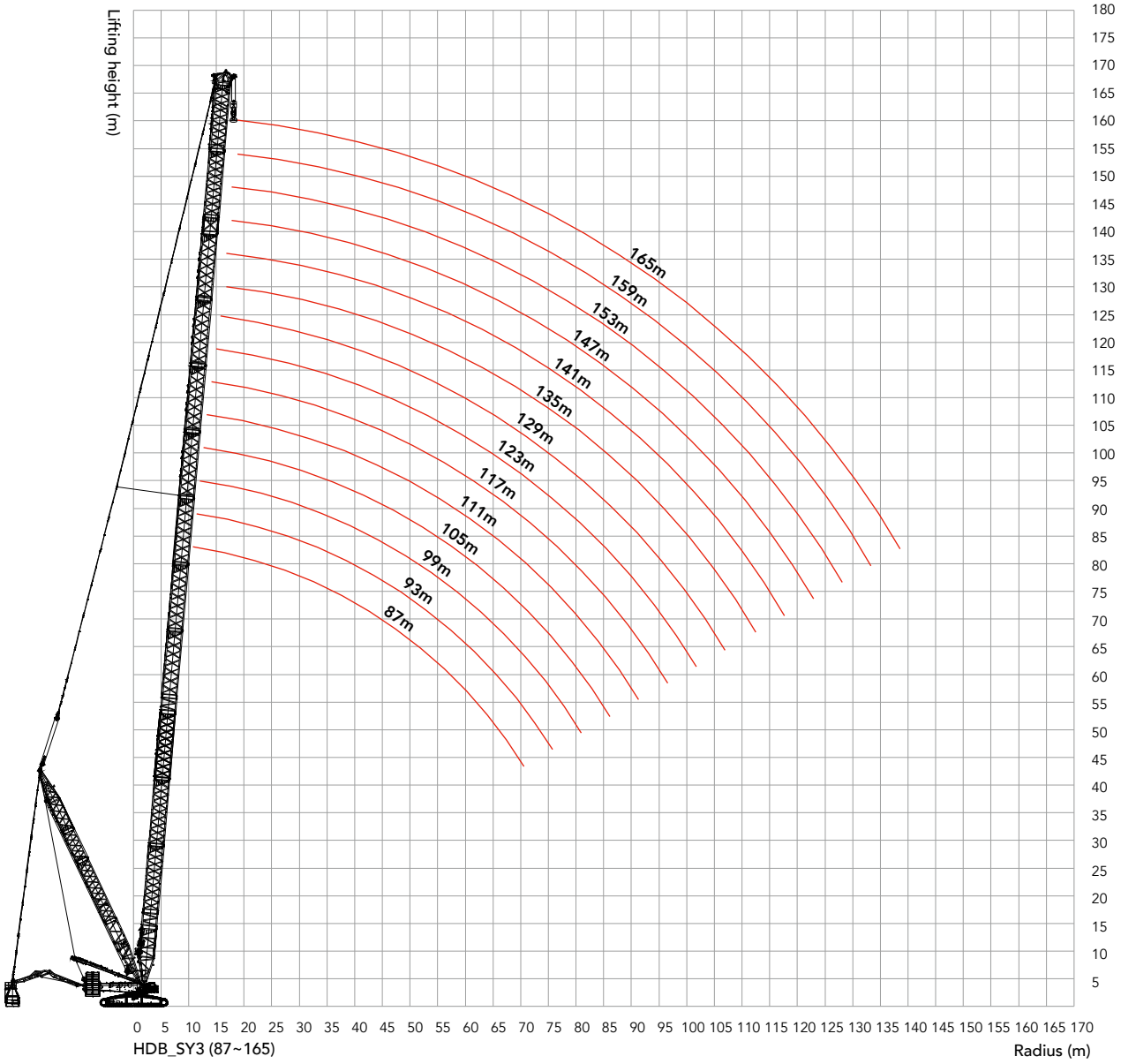
Boom length (m)	Power boom				Boom insert					
	12mA	12mB	12mC	12mD	3m	6m	12mB	12mC	12mE	12mD
87	-	-	-	-	1	1	2	2	2	-
93	1	-	-	-	1	-	2	2	2	-
99	1	-	-	-	1	1	2	2	2	-
105	1	-	1	-	1	-	2	2	2	-
111	1	-	1	-	1	1	2	2	2	-
117	1	-	2	-	1	-	2	2	2	-
123	1	-	2	-	1	6	2	2	2	-
129	1	-	2	1	1	-	2	2	2	-
135	1	-	2	1	1	1	2	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 10.5m boom base, 12m 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.

HDB_SY3 Configuration 1/4

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

Radius(m)	87	93	99	105	111	117	123	129	135	141	147	153	159	165	Radius(m)
12	362	347													12
13	326	320	309	298											13
14	295	292	287	276	267	258									14
15	269	265	265	258	249	240	232	223							15
16	246	243	242	240	233	225	218	209	202	196					16
17	227	223	222	220	219	211	204	196	189	184	178	170			17
18	210	206	205	203	202	198	192	184	178	173	167	160	154	151	18
19	195	191	190	188	187	184	181	173	168	163	157	150	145	142	19
20	181	178	177	174	173	171	170	163	158	153	148	141	136	133	20
22	159	155	154	151	150	147	146	143	141	137	132	126	121	118	22
24	140	136	135	132	131	128	127	124	122	121	118	112	108	105	24
26	124	120	119	116	115	112	111	108	106	105	103	100	96.5	94.5	26
28	111	107	106	103	102	99.4	98.1	94.4	92.8	91.8	90.2	86.5	84.8	84.4	28
30	100	95.9	94.5	92.0	90.5	87.9	86.5	82.7	81.2	80.1	78.4	74.7	73.0	73.2	30
32	90.1	86.0	84.6	82.0	80.5	77.8	76.4	72.6	71.0	70.0	68.2	64.5	62.8	63.0	32
34	90.4	77.3	75.9	73.3	71.7	69.0	67.6	63.8	62.1	61.1	59.3	55.5	53.8	54.0	34
36	82.1	78.0	68.2	65.6	64.0	61.2	59.8	55.9	54.3	53.2	51.4	47.6	45.9	46.0	36
38	74.7	70.6	69.2	58.7	57.1	54.3	52.8	49.0	47.3	46.2	44.4	40.6	38.8	39.0	38
40	68.1	64.0	62.6	60.0	50.9	48.1	46.6	42.7	41.0	39.9	38.1	34.3	32.5	32.6	40
44	56.8	52.6	51.2	48.6	47.1	44.3	35.9	32.0	30.3	29.2	27.3	23.4	21.6	21.8	44
48	53.1	43.2	41.8	39.1	37.6	34.8	33.2	29.4	21.4	20.3	18.4	14.5	12.6	12.8	48
52	44.6	40.5	33.8	31.2	29.6	26.8	25.2	21.3	19.6	18.5	10.9	6.9	5.1	5.2	52
56	37.3	33.2	31.8	29.3	22.8	20.0	18.4	14.4	12.7	11.6	9.8	5.8			56
60	30.9	26.8	25.5	22.9	21.4	14.1	12.4	8.5	6.8	5.6	3.8				60
64	25.4	21.3	19.9	17.4	15.9	13.2	7.2	3.3	1.6	0.4					64
68	20.4	16.3	15.0	12.5	11.0	8.3	6.6	2.7							68
72	16.0	11.9	10.6	8.1	6.6	3.9	2.3								72
76	12.0	8.0	6.7	4.2	2.7										76
80		4.4	3.1	0.6											80

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.

HDB_SY3 Configuration 2/4

Boom length 87~165m, Superlift Radius 18m, Superlift CW 150t, Rear CW 230t, Carbody CW 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	430	402	372	342	342	311	311	281	281	250	250	220			17
18	400	397	372	342	342	311	311	281	281	250	250	220	215	195	18
19	374	370	367	357	342	311	311	281	281	250	250	220	215	195	19
20	351	347	346	339	331	311	311	281	281	250	250	220	215	195	20
22	311	307	306	304	300	291	284	275	268	250	250	220	216	195	22
24	278	275	273	271	270	266	259	251	245	239	233	220	216	196	24
26	251	247	246	244	242	240	238	230	224	220	214	207	201	195	26
28	228	224	223	221	219	217	215	212	206	202	197	190	185	182	28
30	208	204	203	201	199	197	195	192	190	186	182	175	170	168	30
32	191	187	186	183	182	179	178	174	173	172	168	162	157	155	32
34	185	172	171	168	167	164	163	159	157	156	155	150	146	143	34
36	171	167	158	155	154	151	149	146	144	143	141	137	135	133	36
38	159	155	154	143	142	139	137	134	132	131	129	125	124	123	38
40	148	144	143	140	131	128	127	123	121	120	118	115	113	113	40
44	129	125	124	121	119	117	108	104	103	102	100	96.5	94.7	94.9	44
48	116	109	108	105	104	101	99.8	96.0	88.0	86.9	85.1	81.2	79.4	79.5	48
52	103	99.4	94.9	92.3	90.8	88.0	86.5	82.6	80.9	79.8	72.2	68.3	66.5	66.6	52
56	92.2	88.4	87.1	84.8	79.4	76.6	75.0	71.1	69.5	68.4	66.5	62.6	55.5	55.6	56
60	82.6	78.9	77.6	75.3	73.8	66.8	65.2	61.3	59.6	58.5	56.6	52.7	50.9	51.0	60
64	74.3	70.5	69.2	66.6	65.2	62.5	56.6	52.7	51.0	49.9	48.0	44.1	42.2	42.4	64
68	66.6	62.5	61.2	58.7	57.2	54.6	53.0	49.1	43.4	42.3	40.4	36.5	34.6	34.8	68
72	59.5	55.5	54.2	51.7	50.2	47.6	46.0	42.1	40.4	35.5	33.7	29.7	27.9	28.0	72
76	53.1	49.1	47.9	45.4	43.9	41.3	39.7	35.8	34.1	33.1	27.7	23.7	21.8	22.0	76
80		43.4	42.2	39.7	38.3	35.6	34.0	30.1	28.5	27.4	25.6	21.7	16.4	16.5	80
84			37.0	34.5	33.1	30.5	28.9	25.0	23.4	22.3	20.5	16.5	14.7	11.6	84
88			32.2	29.8	28.4	25.8	24.2	20.3	18.7	17.6	15.8	11.9	10.1	10.2	88
92				25.5	24.1	21.5	19.9	16.1	14.4	13.4	11.6	7.6	5.8	6.0	92
96					20.1	17.5	16.0	12.1	10.5	9.4	7.6	3.7	1.9	2.1	96
100						13.9	12.3	8.5	6.9	5.8	4.0				100
104						10.4	9.0	5.1	3.5	2.5	0.7				104
108							5.8	2.0	0.4						108

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.

HDB_SY3 Configuration 3/4

Boom length 87~165m, Superlift Radius 20m, Superlift CW 300t, Rear CW 230t, Carbody CW 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	432	402	372	372	342	311	311	281	281	250*	250*	220*	216*	195*	22
24	406	402	372	372	342	311	311	281	281	250	250	220*	216*	196*	24
26	370	367	365	363	342	311	311	281	281	250	250	220	217	195*	26
28	339	336	334	332	331	311	311	281	281	250	250	239	216	197	28
30	313	309	308	305	304	302	300	281	281	250	250	239	217	197	30
32	289	286	284	282	281	278	277	273	272	250	250	240	216	196	32
34	269	265	264	262	260	258	256	253	252	250	249	240	217	194	34
36	251	247	246	244	242	240	238	235	233	232	231	227	216	193	36
38	235	231	230	227	226	224	222	219	217	216	215	211	209	192	38
40	220	217	215	213	212	209	208	204	203	202	200	197	195	191	40
44	195	192	190	188	187	184	183	179	178	177	175	172	170	170	44
48	175	171	170	167	166	163	162	158	157	156	154	151	149	149	48
52	157	153	152	150	148	146	144	141	139	138	137	133	132	132	52
56	142	139	137	135	133	131	129	126	124	123	122	118	117	117	56
60	129	126	124	122	121	118	116	113	111	110	109	105	104	104	60
64	118	114	113	111	109	107	105	102	100	99.5	97.9	94.3	92.7	92.7	64
68	108	104	103	101	99.6	97.1	95.6	92.1	90.6	89.5	87.9	84.3	82.7	82.7	68
72	99.4	95.7	94.5	92.2	90.8	88.3	86.8	83.2	81.7	80.7	79.0	75.5	73.8	73.9	72
76	91.4	87.7	86.5	84.2	82.8	80.3	78.8	75.3	73.8	72.7	71.1	67.5	65.9	65.9	76
80		80.5	79.3	77.0	75.6	73.1	71.7	68.1	66.6	65.6	63.9	60.4	58.7	58.8	80
84			72.8	70.5	69.1	66.7	65.2	61.7	60.1	59.1	57.5	53.9	52.3	52.3	84
88			66.8	64.6	63.2	60.7	59.3	55.8	54.3	53.2	51.6	48.0	46.4	46.5	88
92				59.1	57.8	55.3	53.9	50.4	48.9	47.9	46.2	42.7	41.0	41.1	92
96					52.8	50.4	48.9	45.4	43.9	42.9	41.3	37.7	36.1	36.2	96
100						44.4	44.3	40.9	39.4	38.4	36.7	33.2	31.5	31.7	100
104						21.5	40.1	36.6	35.2	34.2	32.5	29.0	27.4	27.5	104
108							36.1	32.7	31.2	30.3	28.6	25.1	23.5	23.6	108
112								29.0	27.6	26.6	25.0	21.5	19.8	20.0	112
116									24.2	23.2	21.6	18.1	16.5	16.6	116
120										20.0	18.4	14.9	13.3	13.4	120
124										17.0	15.4	11.9	10.2	10.4	124
128											12.6	8.7	7.0	7.3	128
132												5.7	4.0	4.3	132

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.

HDB_SY3 Configuration 4/4

Boom length 87~165m, Superlift Radius 22m, Superlift CW 440t, Rear CW 230t, Carbody CW 80t

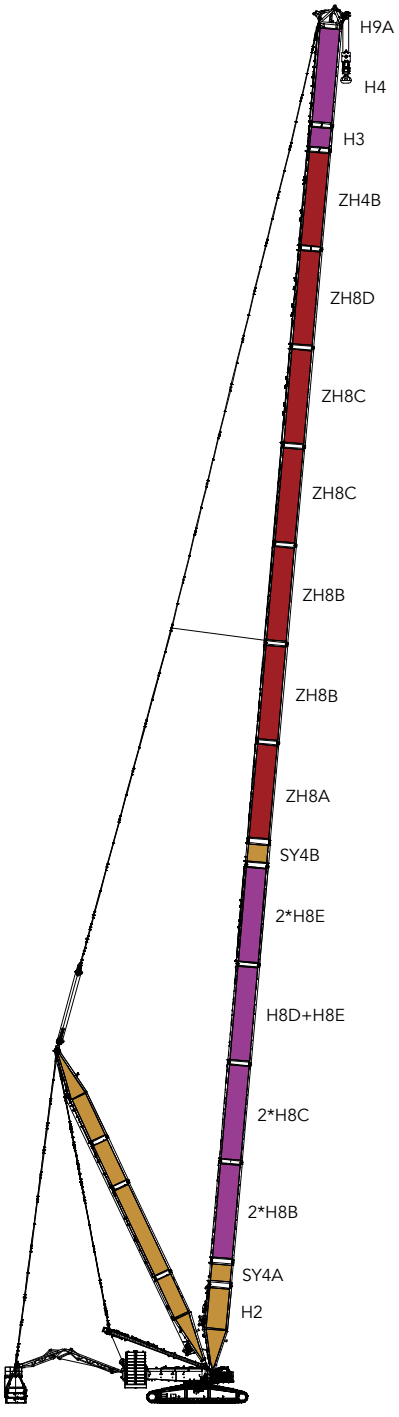
Radius(m)	87	93	99	105	111	117	123	129	135	141	147	153	159	165	Radius(m)
12	432*	402*													12
13	432*	402*	372*	342*											13
14	432*	402*	372*	342*	342*	311*									14
15	432*	402*	372*	342*	342*	311*	311*	281*							15
16	432*	402*	372*	342*	342*	311*	311*	281*	281*	250*					16
17	432*	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	432*	402*	372*	372*	342*	311*	311*	281*	281*	250*	250*	220*	216*	195*	22
24	432	402*	372*	372*	342*	311*	311*	281*	281*	250*	250*	220*	216*	196*	24
26	462	402	372*	372*	342*	311*	311*	281*	281*	250*	250*	220*	217*	195*	26
28	453	432	402	372	342*	311*	311*	281*	281*	250*	250*	239*	216*	197*	28
30	419	415	402	372	342	311*	311*	281*	281*	250*	250*	239*	217*	197*	30
32	389	385	384	372	342	311	311	281*	281*	250*	250*	240*	216*	196*	32
34	362	359	357	355	342	311	311	281	281	250*	250*	240*	217*	194*	34
36	339	335	334	332	330	328	311	281	281	250	250	240	216*	193*	36
38	318	314	313	311	309	307	305	281	281	250	250	240	216*	192*	38
40	299	296	294	292	290	288	287	281	281	250	250	240	215	191*	40
44	267	263	262	260	258	256	254	251	249	248	247	239	213	189	44
48	240	236	235	233	231	229	227	224	222	221	220	216	210	187	48
52	218	214	212	210	209	206	205	201	200	199	197	193	192	184	52
56	198	194	193	191	189	187	185	182	180	179	178	174	172	173	56
60	181	178	176	174	173	170	169	165	164	163	161	157	156	156	60
64	167	163	162	159	158	155	154	150	149	148	146	143	141	141	64
68	154	150	149	146	145	143	141	138	136	135	133	130	128	128	68
72	142	139	137	135	134	131	130	126	125	124	122	118	117	117	72
76	132	128	127	125	123	121	119	116	114	113	112	108	106	106	76
80		119	118	115	114	112	110	107	105	104	102	99.3	97.6	97.7	80
84			109	107	106	103	102	98.7	97.2	96.2	94.5	91.0	89.3	89.4	84
88			102	99.9	98.6	96.1	94.6	91.1	89.6	88.6	86.9	83.4	81.7	81.8	88
92				92.9	91.6	87.8	87.7	84.2	82.7	81.6	80.0	76.5	74.8	74.9	92
96					85.2	65.5	81.3	77.8	76.3	75.3	73.6	70.1	68.4	68.5	96
100						44.4*	75.2	71.9	70.4	69.4	67.8	64.3	62.6	62.7	100
104						21.5*	57.4	66.5	65.0	64.0	62.4	58.8	57.2	57.3	104
108							37.8	61.4	60.0	59.0	57.4	53.8	52.2	52.3	108
112								56.7	55.3	54.3	52.7	49.2	47.5	47.7	112
116									50.9	49.9	48.3	44.8	43.2	43.3	116
120										45.8	44.3	40.8	39.1	39.3	120
124										42.0	40.4	36.9	35.3	35.5	124
128											36.8	33.3	31.7	31.9	128
132												30.0	28.4	28.5	132
136													25.2	25.4	136
140													22.2	22.3	140
144														19.5	144

HDB_SY4 Configuration

Boom combination in HDB_SY4

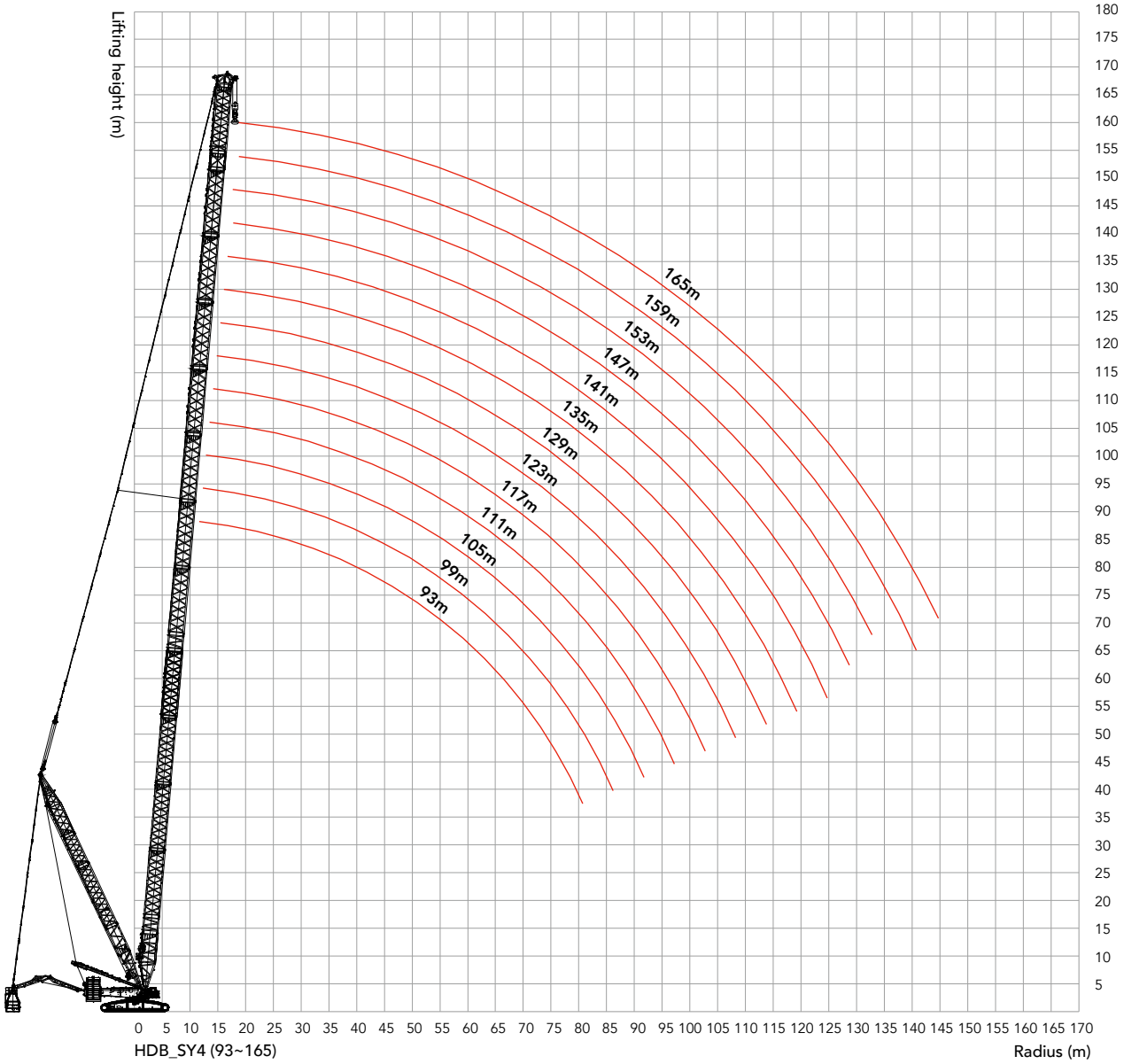
Boom length (m)	Power boom				Boom insert					
	12mA	12mB	12mC	12mD	3m	6m	12mB	12mC	12mD	12mE
93	-	-	-	-	1	-	2	2	1	3
99	-	-	-	-	1	1	2	2	1	3
105	1	-	-	-	1	-	2	2	1	3
111	1	-	-	-	1	1	2	2	1	3
117	1	-	1	-	1	-	2	2	1	3
123	1	-	1	-	1	1	2	2	1	3
129	1	-	2	-	1	-	2	2	1	3
135	1	-	2	-	1	1	2	2	1	3
141	1	-	2	1	1	-	2	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 10.5m boom base, 12m 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.

HDB_SY4 Configuration 1/4

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

Radius(m)	93	99	105	111	117	123	129	135	141	147	153	159	165	Radius(m)
12	347													12
13	320	309	296											13
14	292	287	275	266	256									14
15	266	265	256	248	239	231	223							15
16	243	242	238	232	223	216	208	202	195					16
17	223	222	219	217	209	203	195	189	183	177	170			17
18	206	205	201	200	197	191	183	178	172	167	159	154	146	18
19	191	190	186	185	183	179	173	167	162	157	150	144	137	19
20	178	177	173	172	169	168	163	157	153	148	141	136	129	20
22	155	154	150	148	146	145	142	140	136	132	125	121	114	22
24	136	135	131	129	127	126	123	122	121	118	111	107	101	24
26	120	119	115	113	111	110	107	106	105	103	99.9	96.1	90.2	26
28	107	106	101	100	97.9	96.6	93.9	92.4	91.4	89.8	86.1	84.5	80.1	28
30	96.0	94.6	90.3	88.9	86.3	85.0	82.3	80.7	79.7	78.0	74.3	72.7	68.9	30
32	86.1	84.6	80.3	78.9	76.3	74.9	72.2	70.6	69.6	67.8	64.1	62.4	58.6	32
34	77.4	75.9	71.6	70.1	67.5	66.1	63.3	61.7	60.6	58.9	55.1	53.4	49.6	34
36	78.1	68.2	63.8	62.4	59.7	58.3	55.5	53.8	52.8	51.0	47.2	45.5	41.6	36
38	70.7	69.3	56.9	55.5	52.8	51.3	48.5	46.9	45.8	44.0	40.2	38.4	34.5	38
40	64.1	62.7	58.3	49.3	46.6	45.1	42.3	40.6	39.5	37.7	33.9	32.1	28.2	40
44	52.7	51.3	46.9	45.4	42.7	34.4	31.5	29.9	28.7	26.9	23.1	21.3	17.3	44
48	43.3	41.8	37.4	35.9	33.2	31.7	28.9	21.0	19.8	18.0	14.1	12.3	8.3	48
52	40.5	33.9	29.4	27.9	25.2	23.7	20.8	19.2	18.1	10.5	6.6	4.7	0.7	52
56	33.2	31.9	27.5	21.1	18.4	16.9	14.0	12.3	11.2	9.3	5.4			56
60	26.9	25.5	21.1	19.7	12.5	10.9	8.0	6.3	5.2	3.4				60
64	21.3	20.0	15.6	14.2	11.6	5.7	2.8	1.1						64
68	16.4	15.1	10.7	9.3	6.7	5.1	2.3							68
72	12.0	10.7	6.3	4.9	2.3	0.7								72
76	8.0	6.8	2.4	1.0										76
80	4.4	3.2												80

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.

HDB_SY4 Configuration 2/4

Boom length 93~165m, Superlift Radius 18m, Superlift CW 150t, Rear CW 230t, Carbody CW 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	397	372	342	342	311	311	281	281	250	250	220	220	210	18
19	370	367	355	342	311	311	281	281	250	250	220	220	210	19
20	347	346	337	329	311	311	281	281	250	250	220	220	210	20
22	307	306	302	298	290	283	275	268	250	250	220	220	210	22
24	275	273	269	268	264	258	251	244	239	233	220	220	211	24
26	247	246	242	241	238	236	229	224	219	214	206	201	194	26
28	224	223	219	218	215	214	211	206	202	196	190	185	178	28
30	205	203	199	198	195	194	191	190	186	181	175	170	164	30
32	187	186	182	180	178	177	174	172	171	168	161	157	151	32
34	172	171	167	165	163	161	159	157	156	154	149	145	139	34
36	167	158	153	152	149	148	145	144	143	141	137	135	129	36
38	155	154	141	140	137	136	133	132	131	129	125	123	119	38
40	144	143	138	129	127	125	122	121	120	118	114	112	109	40
44	125	124	119	118	115	107	104	102	101	100	96.1	94.3	90.4	44
48	109	108	103	102	99.7	98.3	95.5	87.6	86.5	84.7	80.8	79.0	75.0	48
52	99.5	95.0	90.5	89.1	86.4	84.9	82.1	80.5	79.4	71.8	67.9	66.1	62.1	52
56	88.5	87.2	83.2	77.7	75.1	73.5	70.7	69.0	67.9	66.1	62.2	55.1	51.1	56
60	78.9	77.7	73.7	72.4	65.2	63.7	60.8	59.2	58.1	56.2	52.3	50.5	46.5	60
64	70.5	69.2	64.9	63.5	60.9	55.1	52.2	50.5	49.4	47.6	43.7	41.9	37.8	64
68	62.6	61.3	56.9	55.6	53.0	51.5	48.6	42.9	41.8	40.0	36.1	34.2	30.2	68
72	55.5	54.3	49.9	48.5	46.0	44.4	41.6	40.0	35.1	33.3	29.3	27.5	23.4	72
76	49.2	48.0	43.6	42.2	39.7	38.1	35.3	33.7	32.6	27.2	23.3	21.5	17.4	76
80	43.5	42.3	37.9	36.6	34.0	32.5	29.7	28.0	27.0	25.2	21.3	16.0	12.0	80
84		37.1	32.8	31.4	28.9	27.4	24.5	22.9	21.8	20.1	16.1	14.3	7.0	84
88		32.3	28.0	26.7	24.2	22.7	19.9	18.2	17.2	15.4	11.5	9.7	5.6	88
92			23.7	22.4	19.9	18.4	15.6	14.0	12.9	11.1	7.2	5.4	1.4	92
96				18.4	15.9	14.5	11.7	10.1	9.0	7.2	3.3	1.5		96
100					12.2	10.8	8.0	6.4	5.4	3.6				100
104					3.0	7.4	4.7	3.1	2.1	0.3				104
108						4.2	1.5							108

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.

HDB_SY4 Configuration 3/4

Boom length 93~165m, Superlift Radius 20m, Superlift CW 300t, Rear CW 230t, Carbody CW 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	367	365	362	342	311	311	281	281	250	250	220	220	211	26
28	336	334	331	329	311	311	281	281	250	250	250	220	212	28
30	309	308	304	303	300	299	281	281	250	250	250	220	212	30
32	286	285	281	279	277	276	273	272	250	250	250	220	213	32
34	265	264	260	259	257	255	253	251	250	249	245	220	213	34
36	247	246	242	241	238	237	234	233	232	230	227	220	213	36
38	231	230	226	225	222	221	218	217	216	214	211	209	206	38
40	217	215	211	210	208	206	204	202	201	200	196	195	191	40
44	192	190	187	185	183	181	179	177	176	175	171	170	166	44
48	171	170	166	164	162	161	158	157	155	154	150	149	145	48
52	154	152	148	147	145	143	141	139	138	136	133	131	128	52
56	139	137	133	132	130	128	126	124	123	121	118	116	113	56
60	126	124	120	119	117	115	113	111	110	108	105	103	100	60
64	114	113	109	108	105	104	101	100	99.1	97.5	94.0	92.3	88.7	64
68	104	103	99.5	98.2	95.7	94.3	91.7	90.2	89.2	87.5	84.0	82.3	78.7	68
72	95.8	94.5	90.6	89.3	86.8	85.4	82.8	81.3	80.3	78.6	75.1	73.5	69.8	72
76	87.8	86.6	82.6	81.3	78.9	77.5	74.9	73.4	72.4	70.7	67.2	65.5	61.9	76
80	80.6	79.4	75.4	74.1	71.7	70.3	67.7	66.2	65.2	63.6	60.0	58.4	54.8	80
84		72.8	68.9	67.7	65.2	63.8	61.3	59.8	58.7	57.1	53.6	51.9	48.3	84
88		66.9	63.0	61.7	59.3	57.9	55.4	53.9	52.9	51.2	47.7	46.0	42.4	88
92			57.5	56.3	53.9	52.5	50.0	48.5	47.5	45.9	42.3	40.7	37.1	92
96				51.3	48.9	47.6	45.0	43.5	42.6	40.9	37.4	35.8	32.1	96
100					25.2	43.0	40.5	39.0	38.0	36.4	32.9	31.2	27.6	100
104					3.0*	38.7	36.2	34.8	33.8	32.2	28.7	27.0	23.4	104
108						25.0	32.3	30.8	29.9	28.3	24.8	23.1	19.5	108
112							28.6	27.2	26.2	24.6	21.1	19.5	15.9	112
116								23.8	22.8	21.2	17.8	16.1	12.5	116
120									19.6	18.1	14.6	13.0	9.1	120
124									16.6	15.1	11.5	9.8	5.8	124
128										12.2	8.3	6.6	2.6	128
132											5.3	3.6		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.

HDB_SY4 Configuration 4/4

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

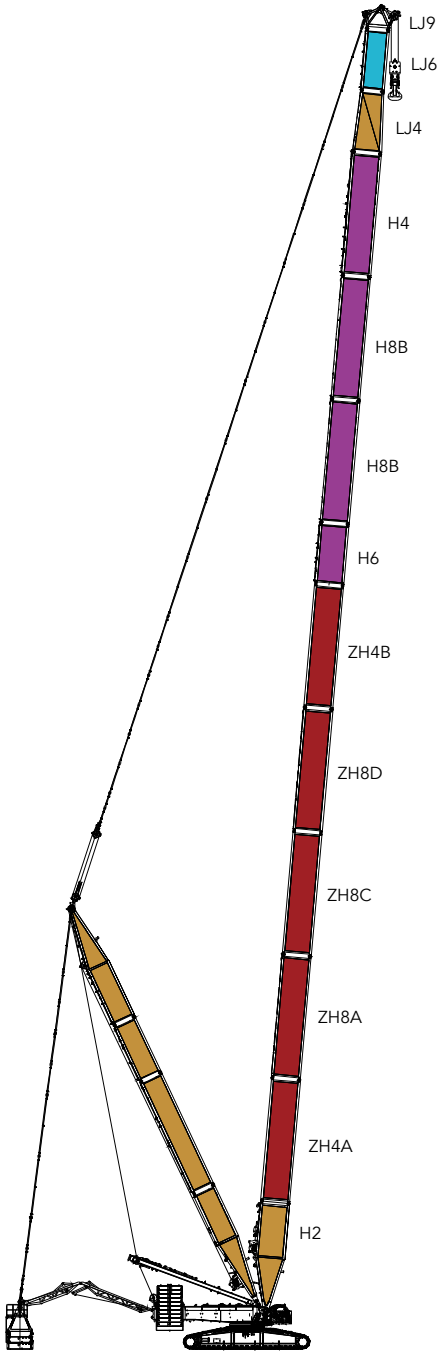
Radius(m)	93	99	105	111	117	123	129	135	141	147	153	159	165	Radius(m)
12	402*													12
13	402*	372*	342*											13
14	402*	372*	342*	342*	311*									14
15	402*	372*	342*	342*	311*	311*	281*							15
16	402*	372*	342*	342*	311*	311*	281*	281*	250*					16
17	402*	372*	342*	342*	311*	311*	281*	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	415	402	372	342	311*	311*	281*	281*	250*	250*	250*	220*	212*	30
32	385	384	372	342	311	311	281*	281*	250*	250*	250*	220*	213*	32
34	359	357	353	342	311	311	281	281	250*	250*	250*	220*	213*	34
36	335	334	330	329	326	311	281	281	250	250	250	220*	213*	36
38	314	313	309	308	305	304	281	281	250	250	250	220	211*	38
40	296	294	290	289	287	285	281	281	250	250	250	220	211	40
44	263	262	258	257	254	253	250	249	248	246	243	220	211	44
48	236	235	231	230	227	226	223	222	221	219	216	214	209	48
52	214	213	209	207	205	203	201	199	198	197	193	191	188	52
56	194	193	189	188	185	184	181	180	179	177	174	172	169	56
60	178	176	172	171	169	167	165	163	162	160	157	155	152	60
64	163	162	158	157	154	153	150	149	148	146	142	141	137	64
68	150	149	145	144	141	140	137	136	135	133	129	128	124	68
72	139	137	133	132	130	128	126	124	123	121	118	116	113	72
76	128	127	123	122	119	118	115	114	113	111	108	106	102	76
80	119	118	114	113	110	109	106	105	104	102	99.0	97.3	93.7	80
84		109	106	104	102	100	98.3	96.8	95.8	94.1	90.6	89.0	85.3	84
88		102	98.3	97.1	94.7	93.3	90.7	89.2	88.2	86.6	83.0	81.4	77.8	88
92			91.3	90.1	73.4	86.3	83.8	82.3	81.3	79.6	76.1	74.5	70.8	92
96				83.7	51.8*	79.9	77.4	75.9	74.9	73.3	69.8	68.1	64.5	96
100					25.2*	61.2	71.5	70.0	69.0	67.4	63.9	62.3	58.6	100
104					3.0*	41.3	66.1	64.6	63.6	62.0	58.5	56.9	53.2	104
108						25.0*	61.0	59.6	58.6	57.0	53.5	51.9	48.2	108
112							56.3	54.9	53.9	52.3	48.8	47.2	43.6	112
116								50.5	49.6	48.0	44.5	42.9	39.2	116
120									45.5	43.9	40.4	38.8	35.2	120
124									41.6	40.1	36.6	35.0	31.4	124
128										36.5	33.0	31.4	27.8	128
132											29.6	28.0	24.4	132
136												24.8	21.3	136
140												21.8	18.3	140
144													15.4	144

HJDB_5 Configuration

Boom combination in HJDB_5

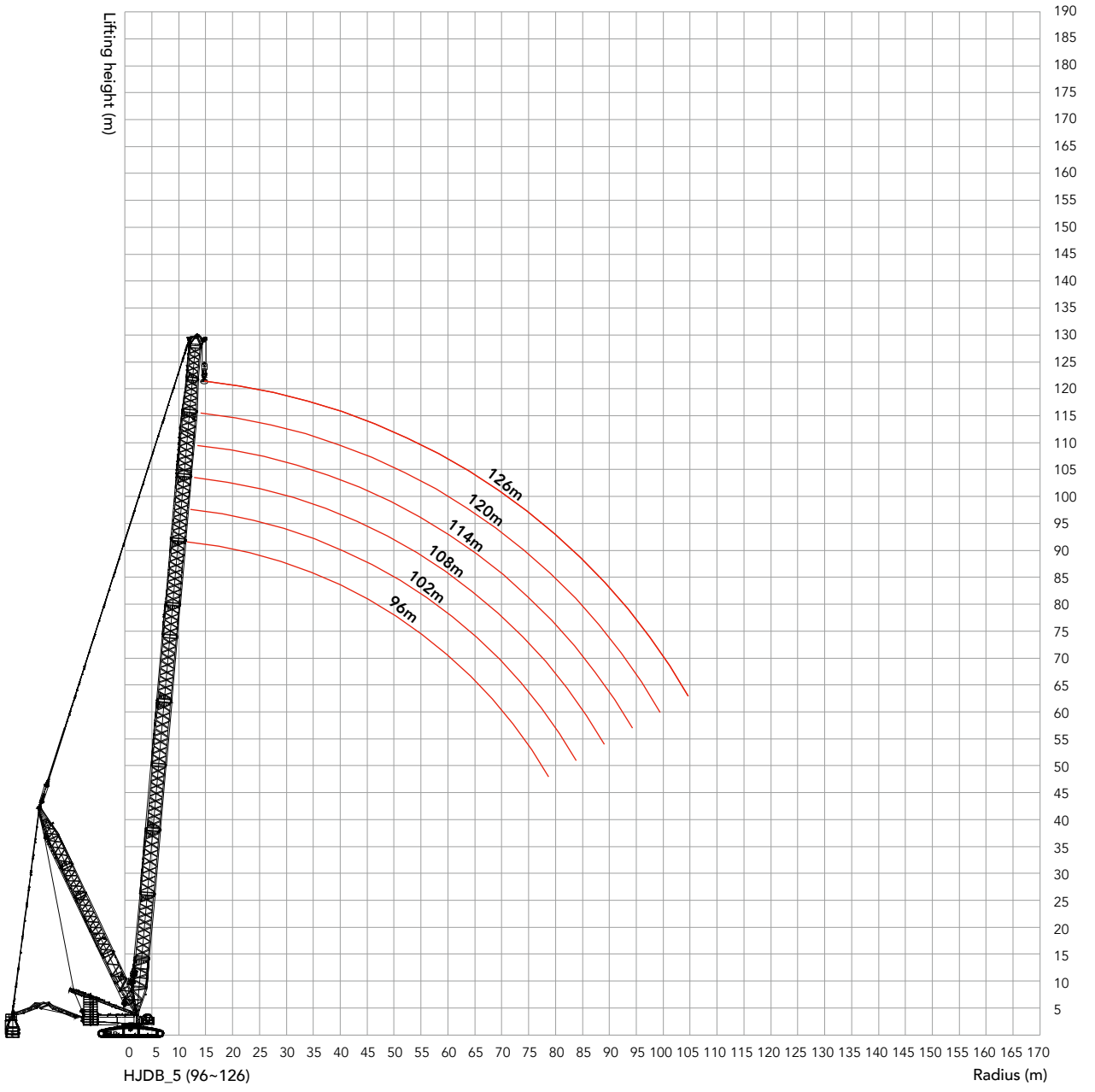
Boom length (m)	Power boom				Boom insert			Jib insert
	12m lower transition section	12mA	12mD	12m upper transition section	6m	12mB	12mC	6m
96	1	2	1	1	-	-	-	1
102	1	2	1	1	1	-	-	1
108	1	2	1	1	-	1	-	1
114	1	2	1	1	1	1	-	1
120	1	2	1	1	-	2	-	1
126	1	2	1	1	1	2	-	1

Note: The 10.5m boom base, 12m 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.

HJDB_5 Configuration 1/4

Boom length 96~126m, Superlift Radius 16m, Superlift CW 0t, Rear CW 230t, Carbody CW 80t

Radius(m)	96	102	108	114	120	126	Radius(m)
12	350						12
13	324	313	303				13
14	302	291	282	273	264		14
15	277	272	264	255	247	239	15
16	254	253	248	240	233	225	16
17	235	233	232	226	219	212	17
18	218	216	215	213	207	200	18
19	203	201	200	198	195	189	19
20	189	188	186	185	184	179	20
22	167	165	163	162	160	159	22
24	148	146	145	143	142	140	24
26	132	130	129	127	126	124	26
28	119	117	116	114	112	110	28
30	108	106	104	102	101	99.3	30
32	98.2	96.3	94.8	92.8	91.3	89.3	32
34	89.6	87.6	86.1	84.1	82.6	80.5	34
36	82.0	80.0	78.4	76.4	74.9	72.8	36
38	83.0	73.1	71.6	69.5	68.0	65.9	38
40	76.5	74.5	65.5	63.4	61.9	59.8	40
44	65.2	63.2	61.7	59.6	51.3	49.2	44
48	55.8	53.8	52.3	50.2	48.7	46.6	48
52	53.2	45.9	44.4	42.3	40.8	38.6	52
56	45.9	44.0	37.6	35.5	34.0	31.8	56
60	39.6	37.7	36.3	29.7	28.1	26.0	60
64	34.1	32.2	30.7	28.7	27.2	20.8	64
68	29.2	27.3	25.9	23.9	22.4	20.3	68
72	24.9	23.0	21.6	19.5	18.0	15.9	72
76	21.0	19.1	17.7	15.7	14.1	12.1	76
80	17.4	15.6	14.1	12.2	10.6	8.6	80
84	14.2	12.4	11.0	9.0	7.5	5.4	84
88		9.4	8.0	6.1	4.6	2.5	88
92			5.3	3.4	1.9		92
96			2.8	0.9			96

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.

HJDB_5 Configuration 2/4							
Boom length 96~126m, Superlift Radius 18m, Superlift CW 150t, Rear CW 230t, Carbody CW 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	382	372	342	311	296	262	19
20	359	355	342	335	296	262	20
22	319	317	315	307	296	262	22
24	287	285	283	281	275	261	24
26	259	258	256	254	253	247	26
28	236	235	233	231	230	228	28
30	217	215	213	211	210	208	30
32	200	198	196	194	193	191	32
34	185	183	181	179	178	176	34
36	171	169	168	166	164	162	36
38	167	158	156	154	153	151	38
40	156	154	145	143	142	140	40
44	137	136	134	132	124	122	44
48	122	120	118	116	115	113	48
52	110	107	105	103	102	99.9	52
56	99.8	98.0	94.2	92.2	90.6	88.5	56
60	90.3	88.5	87.1	82.4	80.8	78.7	60
64	82.0	80.2	78.8	77.0	75.5	70.2	64
68	74.6	72.9	71.5	69.7	68.2	66.3	68
72	68.1	66.3	65.0	63.1	61.7	59.6	72
76	62.2	60.3	58.9	56.9	55.4	53.4	76
80	56.5	54.7	53.3	51.3	49.8	47.8	80
84	51.3	49.5	48.1	46.2	44.7	42.7	84
88		44.8	43.5	41.5	40.1	38.0	88
92			39.2	37.3	35.8	33.8	92
96			35.2	33.4	31.9	29.9	96
100				29.7	28.3	26.3	100
104					24.9	22.9	104
108						19.8	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.

HJDB_5 Configuration 3/4

Boom length 96~126m, Superlift Radius 20m, Superlift CW 300t, Rear CW 230t, Carbody CW 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	377	372	342	335	297	262	26
28	347	345	342	337	296	262	28
30	320	318	317	315	296	259	30
32	297	295	294	292	290	257	32
34	276	275	273	271	270	255	34
36	258	257	255	253	252	250	36
38	242	240	239	237	236	234	38
40	228	226	225	223	221	219	40
44	203	201	200	198	196	195	44
48	182	180	179	177	176	174	48
52	165	163	162	160	158	156	52
56	150	148	147	145	143	141	56
60	137	135	134	132	130	129	60
64	126	124	122	121	119	117	64
68	116	114	113	111	109	107	68
72	107	105	104	102	100	98.9	72
76	99.2	97.5	96.2	94.3	92.9	91.0	76
80	92.1	90.4	89.0	87.2	85.8	83.9	80
84	85.5	83.9	82.5	80.7	79.3	77.4	84
88		77.9	76.6	74.8	73.4	71.5	88
92			71.2	69.4	68.0	66.2	92
96			66.2	64.5	63.1	61.2	96
100				59.9	58.5	56.7	100
104					54.3	52.4	104
108						48.5	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.

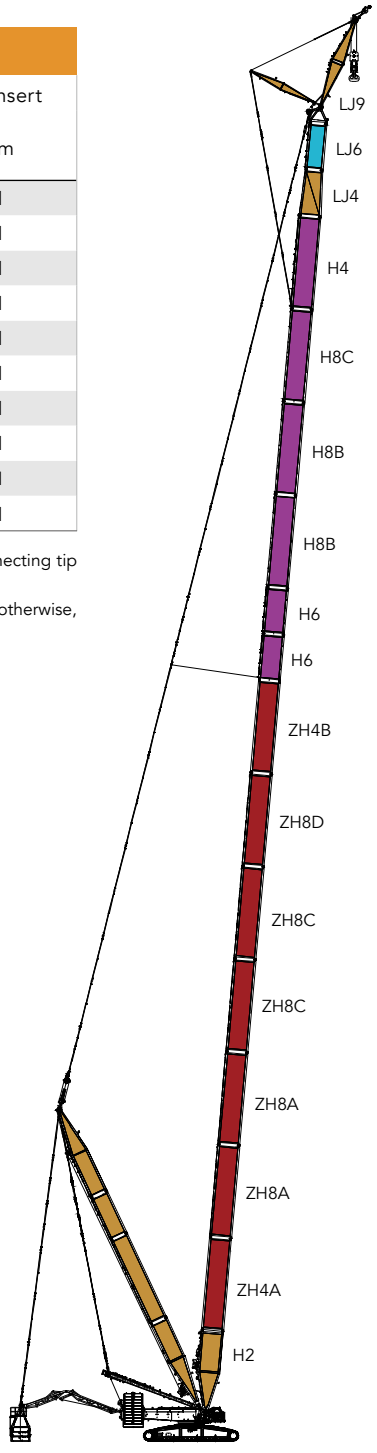
HJDB_5 Configuration 4/4							
Boom length 96~126m, Superlift Radius 22m, Superlift CW 440t, Rear CW 230t, Carbody CW 80t							
Radius(m)	96	102	108	114	120	126	Radius(m)
12	402*						12
13	402*	372*	342*				13
14	402*	372*	342*	311*	294*		14
15	402*	372*	342*	311*	295*	261*	15
16	402*	372*	342*	311*	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	396	372	342	335	295*	257*	32
34	370	368	367	335	293	255*	34
36	346	345	343	333	290	253*	36
38	325	324	322	320	288	250	38
40	307	305	304	302	285	248	40
44	274	273	271	269	268	243	44
48	248	246	245	243	241	238	48
52	225	223	222	220	219	217	52
56	206	204	203	201	199	197	56
60	189	187	186	184	183	181	60
64	174	173	171	169	168	166	64
68	162	160	158	157	155	153	68
72	150	148	147	145	144	142	72
76	140	138	137	135	133	132	76
80	131	129	127	126	124	122	80
84	122	120	119	117	116	114	84
88		113	112	110	108	106	88
92			105	103	101	99.9	92
96			98.6	96.8	95.4	93.6	96
100				90.9	89.5	87.7	100
104					84.1	82.3	104
108						77.1	108

HJDB_7 Configuration

Boom combination in HJDB_7

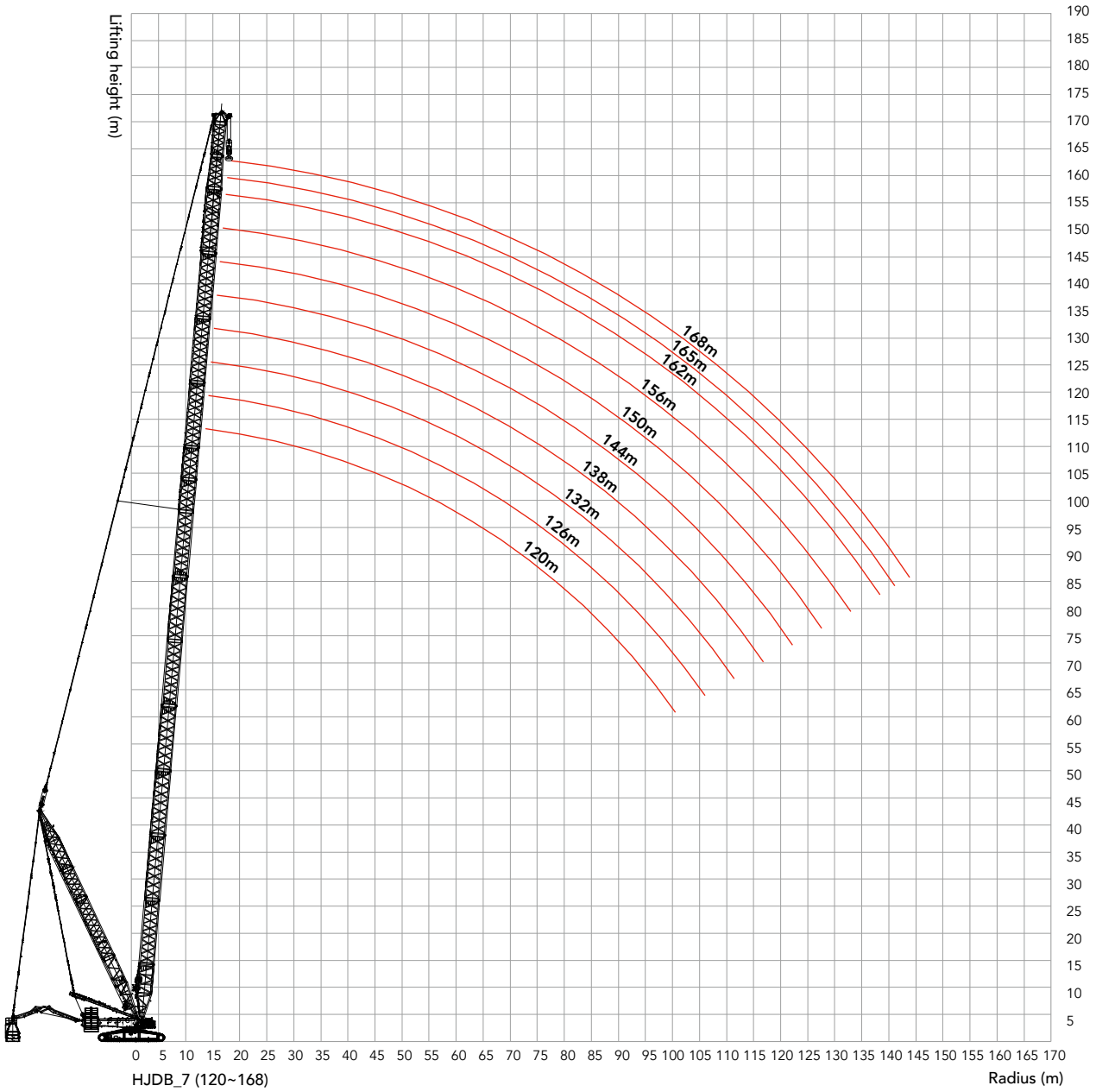
Boom length (m)	Power boom					Boom insert				Jib insert
	12m lower transition section	12mA	12mC	12mD	12m upper transition section	3m	6m	12mB	12mC	6m
120	1	2	2	1	1	-	-	-	-	1
126	1	2	2	1	1	-	1	-	-	1
132	1	2	2	1	1	-	-	1	-	1
138	1	2	2	1	1	-	1	1	-	1
144	1	2	2	1	1	-	-	2	-	1
150	1	2	2	1	1	-	1	2	-	1
156	1	2	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 10.5m 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_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.

HJDB_7 Configuration 1/4

Boom length 120~168m, Superlift Radius 16m, Superlift CW 0t, Rear CW 230t, Carbody CW 80t

Radius(m)	120	126	132	138	144	150	156	162	165	168	Radius(m)
14	262										14
15	245	237	230								15
16	230	223	216	209	202						16
17	216	210	203	197	191	184	170				17
18	204	198	192	186	180	174	169	151	142	134	18
19	193	187	181	176	170	165	160	151	142	134	19
20	181	177	172	166	161	156	152	146	141	133	20
22	157	156	154	149	145	140	136	132	129	127	22
24	138	137	135	133	131	126	123	119	116	114	24
26	123	121	119	117	116	114	111	107	105	103	26
28	109	107	106	104	103	101	100	97.7	95.5	93.8	28
30	98.2	96.2	94.8	92.8	91.3	89.3	88.5	86.5	85.3	84.5	30
32	88.2	86.2	84.8	82.8	81.3	79.2	78.4	76.4	75.1	74.3	32
34	79.4	77.5	76.0	74.0	72.4	70.4	69.5	67.5	66.2	65.4	34
36	71.7	69.7	68.2	66.2	64.6	62.6	61.7	59.6	58.4	57.5	36
38	64.8	62.8	61.3	59.3	57.7	55.6	54.7	52.6	51.4	50.5	38
40	58.7	56.6	55.1	53.1	51.5	49.4	48.5	46.4	45.1	44.3	40
44	48.1	46.0	44.5	42.4	40.8	38.7	37.8	35.6	34.3	33.5	44
48	45.5	43.5	35.7	33.6	32.0	29.8	28.9	26.7	25.4	24.6	48
52	37.5	35.5	34.0	31.9	24.5	22.4	21.4	19.3	17.9	17.1	52
56	30.7	28.7	27.1	25.0	23.4	21.3	15.1	12.9	11.6	10.7	56
60	24.8	22.8	21.2	19.1	17.5	15.4	14.5	12.3	11.0	5.2	60
64	24.0	17.6	16.1	14.0	12.4	10.2	9.3	7.1	5.8	4.9	64
68	19.1	17.1	11.6	9.5	7.8	5.7	4.7	2.6	1.2	0.4	68
72	14.8	12.8	11.3	5.4	3.8	1.6	0.7				72
76	10.9	8.9	7.4	5.3	3.7						76
80	7.4	5.4	3.9	1.8							80
84	4.2	2.2	0.7								84
88	1.3										88

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.

HJDB_7 Configuration 2/4

Boom length 120~168m, Superlift Radius 18m, Superlift CW 150t, Rear CW 230t, Carbody CW 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	297	281	268	239	214	193	168	149	140	132	22
24	272	266	260	239	215	193	167	148	139	131	24
26	250	244	239	233	216	192	166	147	138	130	26
28	227	225	221	215	211	191	165	146	137	129	28
30	207	205	204	200	195	190	164	145	136	128	30
32	190	188	186	184	182	177	163	144	135	127	32
34	175	173	171	169	168	165	161	143	134	126	34
36	161	159	158	156	154	152	151	142	133	125	36
38	149	147	146	144	142	140	140	137	132	124	38
40	139	137	135	133	132	130	129	127	125	123	40
44	121	119	117	115	113	111	110	108	107	106	44
48	112	110	102	100	98.6	96.5	95.6	93.5	92.2	91.3	48
52	98.7	96.7	95.2	93.2	85.8	83.7	82.8	80.7	79.3	78.5	52
56	87.4	85.4	83.9	81.8	80.2	78.1	71.9	69.7	68.4	67.5	56
60	77.6	75.6	74.1	72.0	70.4	68.2	67.4	65.2	63.9	58.1	60
64	72.6	67.0	65.5	63.4	61.8	59.7	58.8	56.6	55.3	54.4	64
68	65.3	63.4	57.9	55.9	54.2	52.1	51.2	49.0	47.7	46.9	68
72	58.4	56.5	55.0	49.2	47.5	45.4	44.5	42.3	41.0	40.1	72
76	52.2	50.2	48.7	46.7	45.1	39.4	38.5	36.3	35.0	34.1	76
80	46.5	44.6	43.1	41.1	39.5	37.4	33.1	30.9	29.6	28.7	80
84	41.4	39.5	38.0	36.0	34.4	32.3	31.4	26.0	24.7	23.8	84
88	36.8	34.8	33.4	31.3	29.8	27.7	26.8	24.7	23.3	22.5	88
92	32.5	30.6	29.1	27.1	25.5	23.4	22.6	20.4	19.1	18.3	92
96	28.6	26.7	25.2	23.2	21.6	19.6	18.7	16.5	15.2	14.4	96
100	25.0	23.1	21.6	19.6	18.1	16.0	15.1	13.0	11.7	10.8	100
104	21.6	19.7	18.3	16.3	14.7	12.7	11.8	9.7	8.4	7.5	104
108		16.6	15.2	13.2	11.7	9.6	8.7	6.6	5.3	4.5	108
112			12.3	10.3	8.8	6.7	5.9	3.8	2.5	1.6	112
116			9.6	7.6	6.1	4.0	3.2	1.1			116
120				5.1	3.6	1.5	0.7				120
124					1.2						124

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.

HJDB_7 Configuration 3/4

Boom length 120~168m, Superlift Radius 20m, Superlift CW 300t, Rear CW 230t, Carbody CW 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	288	286	269	236	213	189	163*	144*	135*	127*	32
34	267	265	264	235	212	188	161	143*	134*	126*	34
36	249	247	246	232	211	187	160	142	133*	125*	36
38	233	231	230	228	210	186	159	141	132	124	38
40	218	217	215	213	209	185	158	140	132	123	40
44	194	192	190	189	187	183	156	138	130	122	44
48	173	171	170	168	166	164	154	136	128	120	48
52	155	154	152	150	149	147	146	135	126	118	52
56	140	139	137	135	134	132	131	129	124	117	56
60	128	126	124	122	121	119	118	116	115	114	60
64	116	114	113	111	110	108	107	105	104	103	64
68	106	104	103	101	100	98.3	97.4	95.5	94.3	93.5	68
72	97.9	96.1	94.7	92.8	91.4	89.4	88.6	86.7	85.5	84.7	72
76	90.0	88.2	86.8	84.9	83.4	81.5	80.7	78.7	77.6	76.8	76
80	82.8	81.0	79.7	77.8	76.3	74.4	73.6	71.6	70.4	69.7	80
84	76.4	74.6	73.2	71.3	69.9	68.0	67.1	65.2	64.0	63.2	84
88	70.5	68.7	67.3	65.5	64.0	62.1	61.3	59.3	58.1	57.4	88
92	65.1	63.3	62.0	60.1	58.7	56.7	55.9	54.0	52.8	52.0	92
96	60.1	58.4	57.0	55.2	53.7	51.8	51.0	49.1	47.9	47.1	96
100	55.6	53.8	52.5	50.6	49.2	47.3	46.5	44.6	43.4	42.6	100
104	51.3	49.6	48.3	46.4	45.0	43.1	42.3	40.4	39.2	38.4	104
108		45.7	44.4	42.5	41.1	39.2	38.4	36.5	35.3	34.6	108
112			40.7	38.9	37.5	35.6	34.8	32.9	31.7	31.0	112
116			37.3	35.5	34.1	32.2	31.5	29.5	28.4	27.6	116
120				32.3	31.0	29.1	28.3	26.4	25.2	24.5	120
124					28.0	26.1	25.3	23.4	22.3	21.5	124
128						23.3	22.6	20.7	19.5	18.7	128
132						20.7	19.9	18.1	16.9	16.1	132
136							17.5	15.6	14.4	13.7	136
140								13.2	12.1	11.3	140

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.

HJDB_7 Configuration 4/4

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

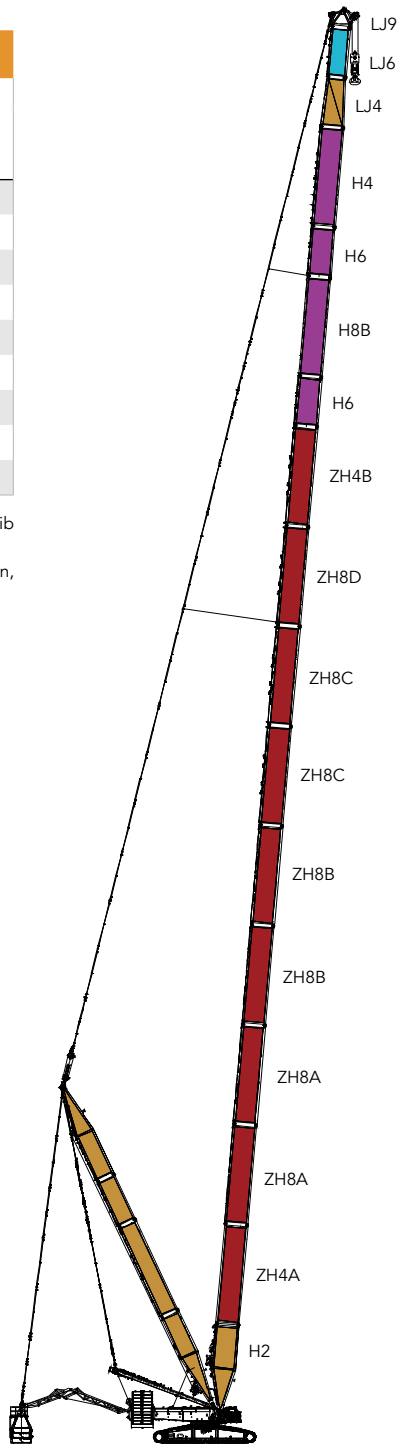
Radius(m)	120	126	132	138	144	150	156	162	165	168	Radius(m)
14	311*										14
15	311*	281*	267*								15
16	311*	281*	267*	239*	214*						16
17	311*	281*	267*	240*	214*	191*	170*				17
18	311*	281*	268*	240*	214*	192*	170*	151*	142*	134*	18
19	311*	281*	268*	240*	214*	192*	170*	151*	142*	134*	19
20	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	296	261	228	209*	185*	158*	140*	132*	123*	40
44	265	263	256	223	206	183*	156*	138*	130*	122*	44
48	238	236	235	218	205	181	154*	136*	128*	120*	48
52	216	214	213	211	202	179	153	135*	126*	118*	52
56	196	195	193	191	190	176	151	133	124*	117*	56
60	180	178	176	175	173	171	149	131	123	115*	60
64	165	163	162	160	159	157	147	129	121	113	64
68	152	150	149	147	146	144	143	127	119	112	68
72	141	139	138	136	134	132	131	126	118	110	72
76	131	129	127	125	124	122	121	119	116	109	76
80	121	119	118	116	115	113	112	110	109	107	80
84	113	111	110	108	106	105	104	102	101	100	84
88	105	104	102	100	99.3	97.4	96.6	94.7	93.5	92.7	88
92	98.9	97.1	95.7	91.5	92.4	90.5	89.7	87.8	86.6	85.8	92
96	92.5	90.7	89.4	82.2	86.1	84.2	83.4	81.4	80.2	79.5	96
100	86.6	84.9	82.9	73.2	80.3	78.4	77.5	75.6	74.4	73.6	100
104	81.2	78.3	74.6	64.6	74.9	73.0	72.1	70.2	69.0	68.3	104
108		69.0	65.0	55.0	69.9	68.0	67.2	65.2	64.0	63.3	108
112			57.4	47.1	65.2	63.3	62.5	60.6	59.4	58.6	112
116			48.3	39.6	60.8	59.0	58.2	56.3	55.1	54.3	116
120				32.5*	56.8	54.9	54.1	52.2	51.0	50.3	120
124					53.0	51.1	50.3	48.4	47.3	46.5	124
128						47.5	46.8	44.9	43.7	42.9	128
132						44.1	43.4	41.5	40.3	39.6	132
136							40.2	38.3	37.2	36.4	136
140								35.3	34.2	33.4	140
144									31.3	30.6	144
148										27.9	148

HJDB_9 Configuration

Boom combination in HJDB_9

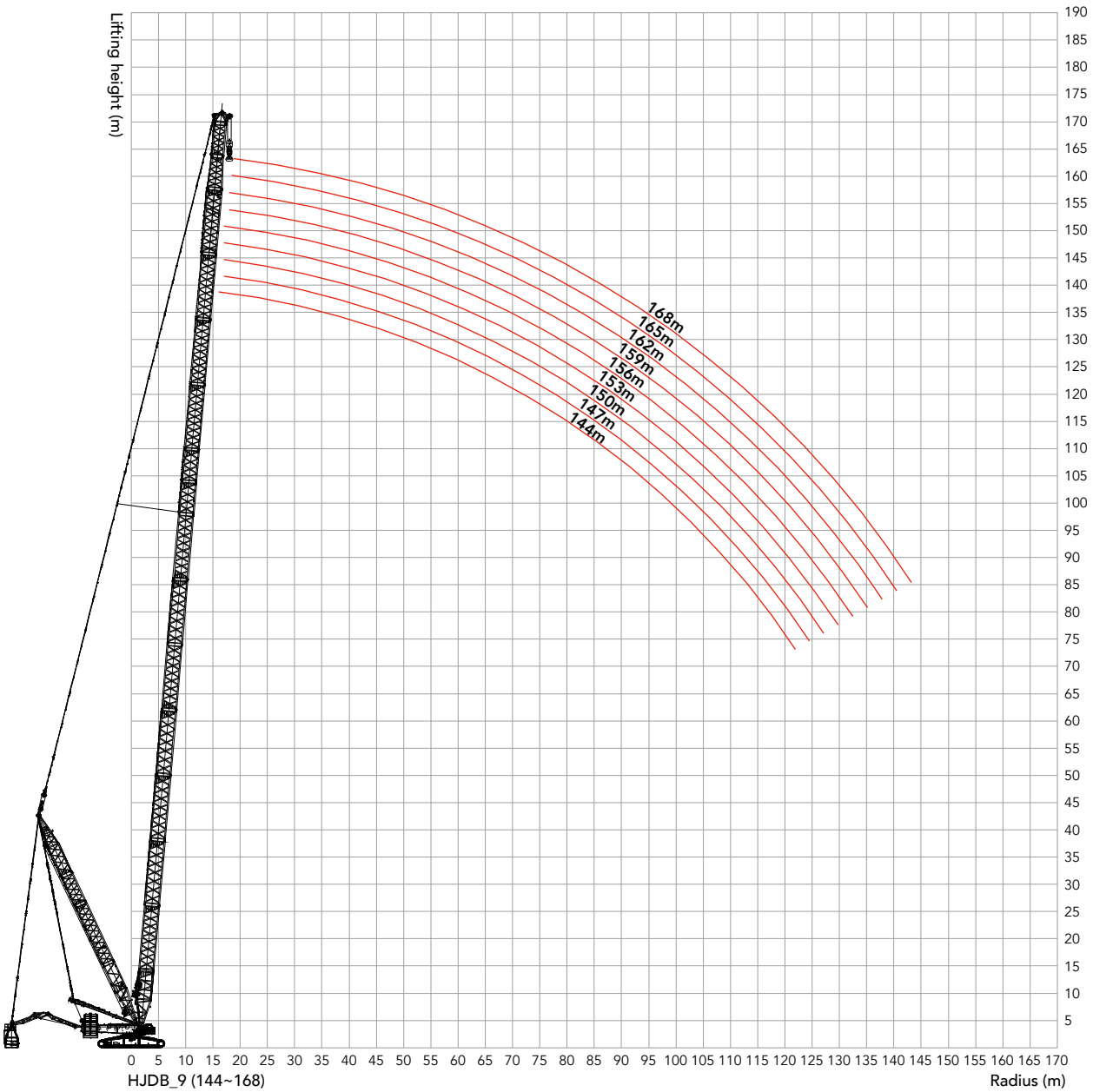
Boom length (m)	Power boom						Boom insert			Jib insert
	12m lower transition section	12mA	12mB	12mC	12mD	12m upper transition section	3m	6m	12mB	6m
144	1	2	2	2	1	1	-	-	-	1
147	1	2	2	2	1	1	1	-	-	1
150	1	2	2	2	1	1	-	1	-	1
153	1	2	2	2	1	1	1	1	-	1
156	1	2	2	2	1	1	-	-	1	1
159	1	2	2	2	1	1	1	-	1	1
162	1	2	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 10.5m 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.

HJDB_9 Configuration 1/4

Boom length 144~168m, Superlift Radius 16m, Superlift CW 0t, Rear CW 230t, Carbody CW 80t

Radius(m)	144	147	150	153	156	159	162	165	168	Radius(m)
16	199									16
17	187	184	181	178	175					17
18	176	173	171	167	165	162	160	157	154	18
19	167	164	161	158	156	153	151	148	145	19
20	158	155	152	149	148	145	142	140	137	20
22	141	139	136	134	132	130	128	125	123	22
24	127	125	123	120	119	116	115	112	110	24
26	112	111	110	109	107	105	103	101	99.6	26
28	98.9	97.6	97.0	95.8	95.7	94.4	93.6	91.4	89.7	28
30	87.2	86.0	85.4	84.1	84.0	82.7	82.1	80.8	80.1	30
32	77.1	75.9	75.2	74.0	73.8	72.5	71.9	70.6	69.9	32
34	68.3	67.0	66.4	65.1	65.0	63.6	63.0	61.7	61.0	34
36	60.5	59.2	58.5	57.2	57.1	55.8	55.1	53.8	53.1	36
38	53.5	52.2	51.6	50.3	50.1	48.8	48.1	46.8	46.1	38
40	47.3	46.0	45.3	44.0	43.9	42.5	41.9	40.5	39.8	40
44	36.6	35.3	34.6	33.3	33.1	31.8	31.1	29.8	29.0	44
48	27.8	26.4	25.7	24.4	24.3	22.9	22.2	20.9	20.1	48
52	20.3	19.0	18.3	16.9	16.8	15.4	14.7	13.4	12.6	52
56	19.2	17.9	17.2	15.9	10.4	9.0	8.3	7.0	6.2	56
60	13.3	12.0	11.3	9.9	9.8	8.4	7.7	6.4	0.6	60
64	8.1	6.8	6.1	4.8	4.6	3.2	2.5	1.2	0.4	64
68	3.6	2.2	1.5							68

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.

HJDB_9 Configuration 2/4

Boom length 144~168m, Superlift Radius 18m, Superlift CW 150t, Rear CW 230t, Carbody CW 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	224	221	215	204	193	184	175	164	155	26
28	207	204	202	199	194	183	174	163	154	28
30	191	189	187	184	182	180	173	162	153	30
32	178	175	173	171	169	167	165	162	152	32
34	164	162	161	159	157	155	153	151	149	34
36	150	149	148	147	147	144	143	140	139	36
38	138	137	136	135	135	134	133	131	129	38
40	128	126	126	124	124	123	122	121	120	40
44	109	108	107	106	106	104	104	102	102	44
48	94.4	93.1	92.4	91.1	91.0	89.6	88.9	87.6	86.8	48
52	81.6	80.3	79.6	78.3	78.1	76.8	76.1	74.8	74.0	52
56	76.0	74.7	74.0	72.7	67.2	65.8	65.1	63.8	63.0	56
60	66.2	64.8	64.1	62.8	62.7	61.3	60.6	59.3	53.6	60
64	57.6	56.2	55.5	54.2	54.1	52.7	52.0	50.7	49.9	64
68	50.0	48.7	48.0	46.7	46.5	45.1	44.4	43.1	42.3	68
72	43.3	42.0	41.3	39.9	39.8	38.4	37.7	36.4	35.6	72
76	40.9	36.0	35.3	33.9	33.8	32.4	31.7	30.4	29.6	76
80	35.2	33.9	33.3	31.9	28.4	27.0	26.3	25.0	24.2	80
84	30.1	28.8	28.2	26.8	26.7	25.3	21.4	20.1	19.3	84
88	25.5	24.2	23.5	22.2	22.1	20.7	20.0	18.7	17.9	88
92	21.3	20.0	19.3	18.0	17.8	16.5	15.8	14.5	13.7	92
96	17.4	16.1	15.4	14.1	14.0	12.6	11.9	10.6	9.8	96
100	13.8	12.5	11.8	10.5	10.4	9.0	8.3	7.0	6.2	100
104	10.5	9.2	8.5	7.2	7.1	5.7	5.0	3.7	2.9	104
108	7.4	6.1	5.4	4.1	4.0	2.6	2.0	0.6		108
112	4.5	3.2	2.6	1.3	1.1					112
116	1.8	0.5								116

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.

HJDB_9 Configuration 3/4

Boom length 144~168m, Superlift Radius 20m, Superlift CW 300t, Rear CW 230t, Carbody CW 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	223	222	216	205	191	179	169	159	150	38
40	208	207	207	205	190	179	168	158	149	40
44	183	182	182	180	180	177	166	156	147	44
48	163	161	161	160	159	158	158	155	145	48
52	145	144	143	142	142	141	140	139	138	52
56	130	129	128	127	127	126	125	124	123	56
60	117	116	115	114	114	113	112	111	110	60
64	106	105	104	103	103	102	101	100	99.5	64
68	96.4	95.3	94.6	93.4	93.3	92.0	91.4	90.2	89.5	68
72	87.6	86.4	85.8	84.6	84.4	83.2	82.6	81.4	80.6	72
76	79.7	78.5	77.9	76.7	76.5	75.3	74.6	73.4	72.7	76
80	72.6	71.4	70.7	69.5	69.4	68.2	67.5	66.3	65.6	80
84	66.1	64.9	64.3	63.1	62.9	61.7	61.1	59.9	59.2	84
88	60.2	59.1	58.4	57.2	57.1	55.9	55.2	54.0	53.3	88
92	54.9	53.7	53.1	51.9	51.7	50.5	49.9	48.7	48.0	92
96	50.0	48.8	48.2	47.0	46.8	45.6	45.0	43.8	43.0	96
100	45.4	44.2	43.6	42.4	42.3	41.1	40.4	39.2	38.5	100
104	41.2	40.1	39.4	38.3	38.1	36.9	36.3	35.1	34.4	104
108	37.3	36.2	35.6	34.4	34.2	33.0	32.4	31.2	30.5	108
112	33.7	32.5	31.9	30.8	30.6	29.4	28.8	27.6	26.9	112
116	30.3	29.2	28.6	27.4	27.3	26.0	25.4	24.2	23.5	116
120	27.2	26.0	25.4	24.2	24.1	22.9	22.3	21.1	20.4	120
124	24.2	23.0	22.4	21.3	21.1	19.9	19.3	18.1	17.4	124
128		20.2	19.6	18.5	18.4	17.1	16.5	15.4	14.7	128
132			17.0	15.8	15.7	14.5	13.9	12.7	12.1	132
136					13.2	12.0	11.4	10.1	9.4	136
140						9.4	8.8	7.5	6.8	140
144								5.0	4.3	144
148									1.9	148

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.

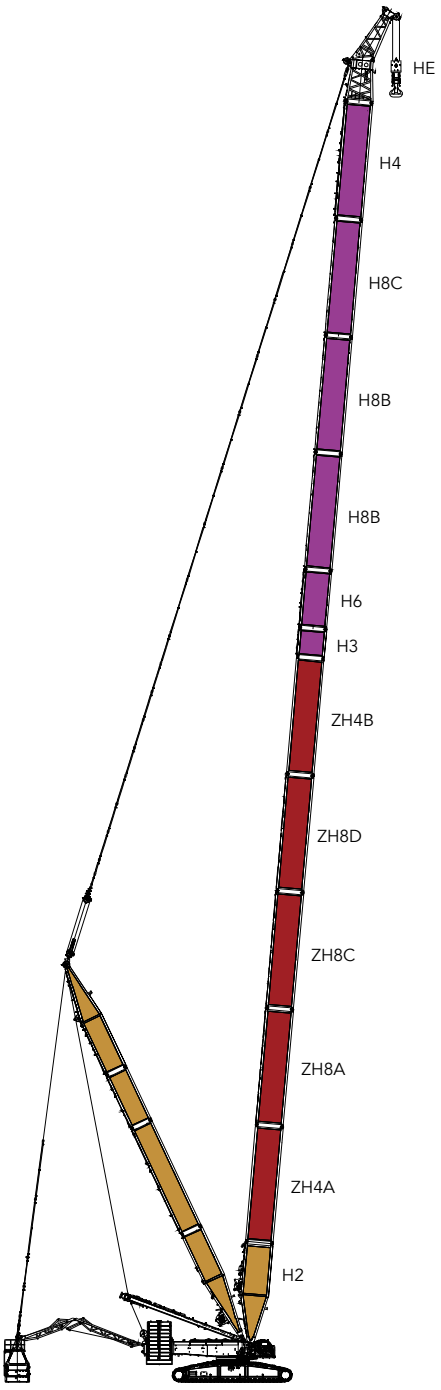
HJDB_9 Configuration 4/4										
Boom length 144~168m, Superlift Radius 22m, Superlift CW 440t, Rear CW 230t, Carbody CW 80t										
Radius(m)	144	147	150	153	156	159	162	165	168	Radius(m)
16	236*									16
17	236*	224*	213*	203*	192*					17
18	237*	225*	214*	203*	192*	182*	173*	165*	156*	18
19	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	228	226	213	201	186	175	164	155*	145*	48
52	205	204	204	198	184	173	163	153	144	52
56	186	185	184	183	182	171	161	151	142	56
60	169	168	168	166	166	165	159	149	140	60
64	155	154	153	152	152	150	150	147	138	64
68	142	141	140	139	139	137	137	136	135	68
72	130	129	129	127	127	126	125	124	123	72
76	120	119	118	117	117	116	115	114	113	76
80	111	110	109	108	108	107	106	105	104	80
84	103	102	101	100	100	98.7	98.1	96.9	96.2	84
88	95.6	94.4	93.8	92.6	92.4	91.2	90.5	89.3	88.6	88
92	88.7	87.5	86.8	85.7	85.5	84.3	83.6	82.4	81.7	92
96	82.3	81.1	80.5	79.3	79.2	77.9	77.3	76.1	75.4	96
100	76.5	75.3	74.7	73.5	73.3	72.1	71.5	70.3	69.6	100
104	71.1	69.9	69.3	68.1	68.0	66.7	66.1	64.9	64.2	104
108	66.1	64.9	64.3	63.1	63.0	61.7	61.1	59.9	59.2	108
112	61.4	60.2	59.6	58.4	58.3	57.1	56.5	55.3	54.6	112
116	57.1	55.9	55.3	54.1	54.0	52.8	52.1	50.9	50.2	116
120	53.0	51.8	51.2	50.0	49.9	48.7	48.1	46.9	46.2	120
124	49.2	48.0	47.4	46.2	46.1	44.9	44.3	43.1	42.4	124
128		44.4	43.8	42.7	42.6	41.3	40.7	39.6	38.9	128
132			40.4	39.3	39.2	38.0	37.4	36.2	35.5	132
136					36.0	34.8	34.2	33.0	32.4	136
140						31.8	31.2	30.0	29.4	140
144								27.2	26.5	144
148									23.8	148

HJDB_9 Load Chart

Boom combination in HEDB_5

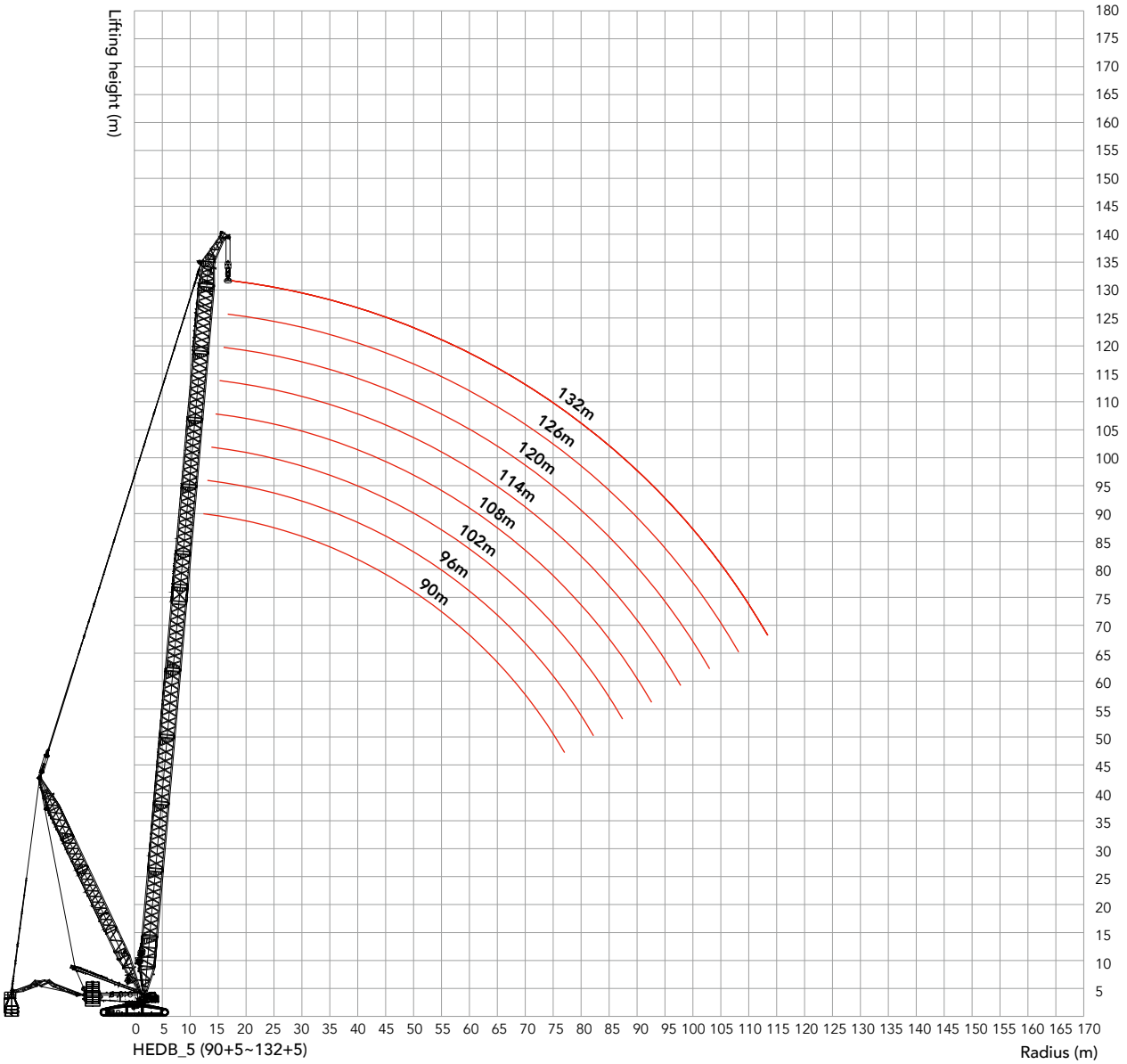
Boom length (m)	Power boom				Boom insert					
	12m lower transition section	12mA	12mD	12m upper transition section	3m	6m	12mB	12mC	12mD	
90	1	2	1	1	1	-	-	-	-	Eagle tip 5m
96	1	2	1	1	1	1	-	-	-	
102	1	2	1	1	1	-	1	-	-	
108	1	2	1	1	1	1	1	-	-	
114	1	2	1	1	1	-	2	-	-	
120	1	2	1	1	1	1	2	-	-	
126	1	2	1	1	1	-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

Note: The 10.5m boom base, 12m 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.

HEDB_5 Configuration 1/4

Boom length 90~132m, Superlift Radius 16m, Superlift CW 0t, Rear CW 230t, Carbody CW 80t

Radius(m)	90	96	102	108	114	120	126	132	Radius(m)
14	270	270							14
15	270	270	266	258					15
16	254	253	250	242	234	227			16
17	235	233	232	227	221	214	208	201	17
18	217	216	215	214	208	202	196	190	18
19	202	201	200	198	196	190	185	180	19
20	188	187	186	184	183	180	176	170	20
22	165	164	163	161	160	158	158	153	22
24	146	145	144	142	141	139	138	137	24
26	130	129	128	126	124	123	122	120	26
28	117	115	114	112	111	109	109	107	28
30	105	104	102	101	99.6	98.0	97.2	95.4	30
32	95.9	94.1	92.8	90.9	89.5	87.8	87.0	85.1	32
34	87.1	85.3	83.9	82.0	80.7	78.8	78.1	76.1	34
36	87.7	77.5	76.1	74.2	72.8	70.9	70.2	68.2	36
38	80.3	78.5	69.2	67.2	65.8	63.9	63.1	61.1	38
40	73.6	71.8	70.5	61.0	59.5	57.6	56.8	54.8	40
44	62.1	60.3	58.9	57.0	55.6	46.8	46.0	43.9	44
48	52.6	50.7	49.4	47.4	46.1	44.1	43.2	34.9	48
52	49.8	42.7	41.3	39.4	38.0	35.9	35.1	33.1	52
56	42.4	40.6	39.3	32.5	31.0	29.0	28.2	26.1	56
60	36.0	34.2	32.9	31.0	25.0	23.0	22.2	20.1	60
64	30.3	28.6	27.3	25.4	24.0	17.8	16.9	14.8	64
68	25.3	23.6	22.3	20.4	19.0	17.1	16.3	10.2	68
72	20.9	19.1	17.9	16.0	14.6	12.6	11.9	9.8	72
76	16.8	15.1	13.9	12.0	10.7	8.7	7.9	5.9	76
80	13.1	11.5	10.3	8.4	7.1	5.1	4.3	2.3	80
84	9.7	8.1	7.0	5.1	3.8	1.8	1.1		84
88		5.0	3.9	2.1	0.8				88
92			1.1						92

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.

HEDB_5 Configuration 2/4

Boom length 90~132m, Superlift Radius 18m, Superlift CW 150t, Rear CW 230t, Carbody CW 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	258	256	255	253	252	247	236	210	26
28	234	233	232	230	229	227	224	210	28
30	214	213	212	210	208	207	206	203	30
32	197	195	194	192	191	189	189	187	32
34	182	180	179	177	176	174	173	171	34
36	177	167	166	164	162	161	160	158	36
38	165	163	154	152	150	149	148	146	38
40	153	152	150	141	140	138	137	135	40
44	134	133	131	129	128	119	118	116	44
48	118	117	115	113	112	110	109	101	48
52	107	103	102	100	99.1	97.2	96.4	94.4	52
56	96.7	95.0	93.8	89.1	87.7	85.7	84.9	82.8	56
60	87.1	85.4	84.2	82.5	77.8	75.8	74.9	72.9	60
64	78.6	77.0	75.8	74.1	72.7	67.1	66.3	64.2	64
68	71.2	69.6	68.4	66.6	65.3	63.4	62.7	56.6	68
72	64.4	62.7	61.5	59.6	58.3	56.3	55.6	53.6	72
76	58.0	56.3	55.1	53.3	51.9	50.0	49.2	47.2	76
80	52.1	50.5	49.4	47.5	46.2	44.3	43.5	41.5	80
84	46.8	45.3	44.1	42.3	41.0	39.1	38.4	36.3	84
88		40.4	39.3	37.6	36.3	34.4	33.6	31.6	88
92			34.9	33.2	31.9	30.0	29.3	27.3	92
96				29.2	27.9	26.0	25.4	23.4	96
100				25.4	24.2	22.4	21.7	19.7	100
104					20.7	18.9	18.3	16.3	104
108						15.7	15.1	13.2	108
112							12.1	10.2	112
116							9.3	7.4	116
120								4.8	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.

HEDB_5 Configuration 3/4

Boom length 90~132m, Superlift Radius 20m, Superlift CW 300t, Rear CW 230t, Carbody CW 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	250	248	233	204	36
38	235	238	237	235	234	232	231	202	38
40	225	224	222	221	219	218	217	201	40
44	200	199	197	196	194	193	192	190	44
48	179	178	177	175	173	172	171	169	48
52	162	160	159	157	156	154	153	151	52
56	147	145	144	142	141	139	138	136	56
60	134	132	131	129	128	126	125	123	60
64	122	121	119	118	116	115	114	112	64
68	112	111	109	108	106	105	104	102	68
72	103	102	100	99.2	97.8	96.0	95.3	93.4	72
76	95.6	94.1	92.9	91.2	89.8	88.0	87.3	85.4	76
80	88.3	86.8	85.6	83.9	82.6	80.8	80.1	78.2	80
84	81.7	80.2	79.1	77.4	76.1	74.3	73.6	71.7	84
88		74.1	73.1	71.4	70.1	68.3	67.6	65.8	88
92			67.6	65.9	64.7	62.9	62.2	60.4	92
96				60.9	59.6	57.9	57.2	55.4	96
100				56.2	55.0	53.3	52.6	50.8	100
104					50.6	49.0	48.3	46.5	104
108						45.0	44.3	42.6	108
112							40.6	38.9	112
116							37.1	35.4	116
120								32.1	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.

HEDB_5 Configuration 4/4

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

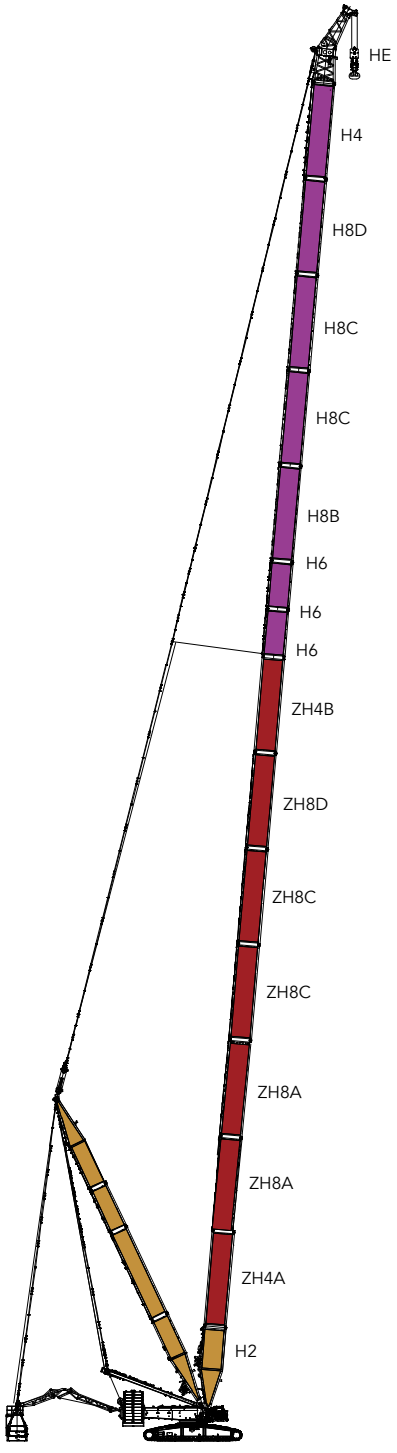
Radius(m)	90	96	102	108	114	120	126	132	Radius(m)
14	270*	270*							14
15	270*	270*	270*	270*					15
16	270*	270*	270*	270*	270*	264*			16
17	270*	270*	270*	270*	270*	265*	235*	209*	17
18	270*	270*	270*	270*	270*	265*	234*	209*	18
19	270*	270*	270*	270*	270*	265*	234*	209*	19
20	270*	270*	270*	270*	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	216	214	214	191	52
56	190	196	200	198	197	195	194	188	56
60	182	184	183	181	180	178	177	175	60
64	171	169	168	167	165	163	163	161	64
68	158	157	155	154	152	150	150	148	68
72	147	145	144	142	141	139	138	136	72
76	136	135	133	132	130	129	128	126	76
80	127	125	124	122	121	119	119	117	80
84	118	117	116	114	113	111	110	108	84
88		109	108	106	105	103	103	101	88
92			101	99.7	98.4	96.7	96.0	94.1	92
96				93.2	92.0	90.2	89.6	87.7	96
100				87.2	86.0	84.3	83.6	81.8	100
104					80.5	78.8	78.2	76.4	104
108						73.7	73.1	71.3	108
112							68.3	66.6	112
116							63.9	62.1	116
120								58.0	120

HEDB_7 Configuration

Boom combination in HEDB_7

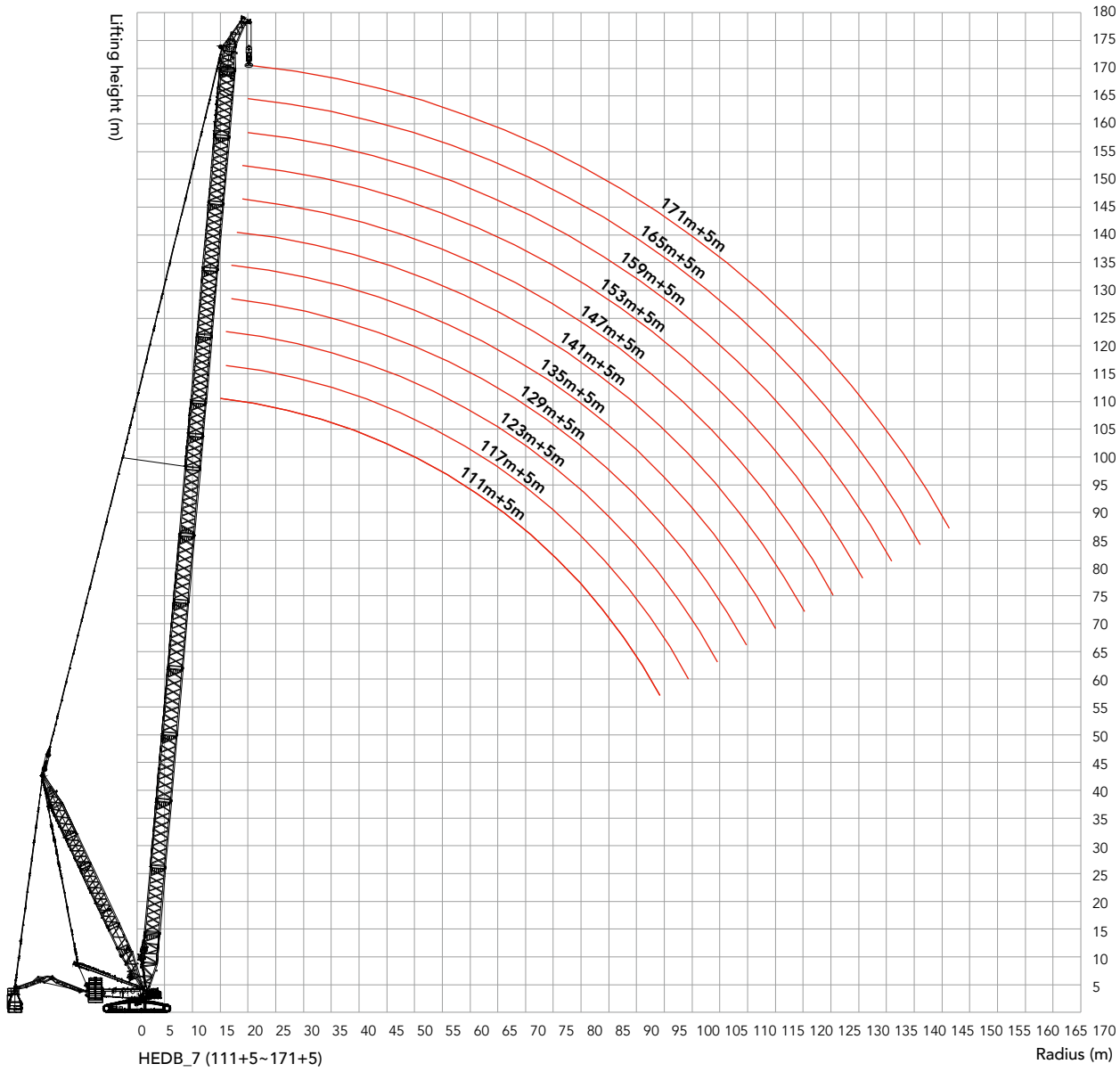
Boom length (m)	Power boom					Boom insert				
	12m lower transition section	12mA	12mC	12mD	12m upper transition section	6m	12mB	12mC	12mD	
111	1	2	2	1	1	-	-	-	-	Eagle tip 5m
117	1	2	2	1	1	1	-	-	-	
123	1	2	2	1	1	-	-	-	1	
129	1	2	2	1	1	1	-	-	1	
135	1	2	2	1	1	-	-	1	1	
141	1	2	2	1	1	1	-	1	1	
147	1	2	2	1	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 10.5m boom base, 12m boom transition section are must.
The mid-point suspension cable must be used for the boom length of 147m+5m~171m+5m in this working condition, otherwise, the boom system may be broken.



HEDB_7
(111+5~171+5)

HEDB_7 Working Radius



HEDB_7 (111+5~171+5)

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.

HEDB_7 Configuration 1/4

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

Radius(m)	111	117	123	129	135	141	147	153	159	165	171	Radius(m)
15	252											15
16	236	229	223									16
17	222	215	210	203	198							17
18	209	202	198	192	187	181						18
19	195	191	187	181	176	171	166	160				19
20	181	180	177	171	167	162	157	152	144	129		20
22	158	156	157	154	150	145	141	136	132	128	114	22
24	139	137	137	135	135	131	127	123	119	115	111	24
26	122	121	121	119	119	117	115	111	108	104	100	26
28	109	107	107	105	105	103	102	100	98.0	94.2	90.4	28
30	97.6	96.0	95.9	94.1	93.4	91.6	90.2	88.3	87.5	85.3	81.7	30
32	87.4	85.8	85.7	83.8	83.2	81.3	79.9	78.0	77.1	75.2	73.3	32
34	78.5	76.8	76.7	74.9	74.2	72.3	70.8	68.9	68.0	66.1	64.1	34
36	70.6	68.9	68.8	66.9	66.2	64.3	62.8	60.9	60.0	58.0	56.0	36
38	63.6	61.9	61.8	59.9	59.1	57.2	55.7	53.7	52.8	50.8	48.8	38
40	57.4	55.6	55.5	53.5	52.8	50.8	49.3	47.3	46.4	44.4	42.4	40
44	53.4	44.8	44.6	42.7	41.9	39.9	38.4	36.3	35.4	33.4	31.3	44
48	43.8	42.0	41.9	33.7	32.9	30.9	29.3	27.2	26.3	24.2	22.2	48
52	35.7	33.9	33.7	31.8	31.0	23.3	21.7	19.6	18.6	16.5	14.4	52
56	28.7	26.9	26.8	24.8	24.0	22.0	20.5	13.1	12.1	10.0	7.9	56
60	27.3	20.9	20.8	18.8	18.0	16.0	14.4	12.3	11.4	4.3	2.2	60
64	21.7	19.9	15.5	13.5	12.7	10.7	9.1	7.0	6.1	4.0	1.8	64
68	16.7	14.9	14.9	8.9	8.1	6.1	4.5	2.4	1.4			68
72	12.3	10.5	10.4	8.5	7.8	1.9	0.3					72
76	8.3	6.5	6.5	4.5	3.8	1.8						76
80	4.7	2.9	2.9	0.9								80
84	1.5											84

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.

HEDB_7 Configuration 2/4

Boom length 111~171m, Superlift Radius 18m, Superlift CW 150t, Rear CW 230t, Carbody CW 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	265	254	226	203	183	166	143	127	113	24
26	250	248	243	238	226	204	184	165	142	126	112	26
28	226	225	225	219	215	204	184	164	141	125	111	28
30	206	205	205	203	200	195	184	164	140	124	110	30
32	189	187	187	186	185	181	177	163	139	124	109	32
34	174	172	172	170	169	168	165	160	138	123	109	34
36	160	159	158	157	156	154	153	150	137	122	108	36
38	148	146	146	145	144	142	140	139	136	121	107	38
40	137	136	136	134	133	131	130	128	127	120	106	40
44	126	117	117	115	114	112	111	109	108	106	104	44
48	110	108	108	100	99.5	97.5	96.0	94.0	93.0	91.0	88.9	48
52	96.8	95.1	95.0	93.1	92.3	84.6	83.0	81.0	80.0	78.0	75.9	52
56	85.4	83.6	83.5	81.5	80.8	78.8	77.2	69.9	68.9	66.8	64.7	56
60	79.1	73.7	73.6	71.6	70.8	68.8	67.3	65.2	64.3	57.2	55.1	60
64	70.7	69.0	64.9	62.9	62.1	60.1	58.6	56.5	55.5	53.5	51.4	64
68	63.0	61.3	61.2	55.3	54.5	52.5	50.9	48.8	47.9	45.8	43.7	68
72	55.9	54.2	54.1	52.2	51.5	45.7	44.1	42.0	41.0	38.9	36.8	72
76	49.6	47.8	47.8	45.9	45.2	43.2	38.0	35.9	35.0	32.8	30.7	76
80	43.9	42.1	42.1	40.2	39.4	37.5	35.9	30.5	29.5	27.4	25.2	80
84	38.7	36.9	36.9	35.0	34.3	32.3	30.7	28.7	27.8	22.4	20.3	84
88	33.9	32.2	32.2	30.3	29.6	27.6	26.0	24.0	23.1	21.0	15.8	88
92	29.6	27.8	27.9	26.0	25.3	23.3	21.7	19.7	18.8	16.7	14.6	92
96	25.5	23.8	23.9	22.0	21.3	19.3	17.8	15.8	14.8	12.7	10.6	96
100	21.8	20.1	20.2	18.3	17.7	15.7	14.2	12.1	11.2	9.1	7.0	100
104		16.6	16.8	14.9	14.3	12.3	10.8	8.8	7.8	5.8	3.6	104
108		13.4	13.5	11.7	11.1	9.2	7.7	5.6	4.7	2.6	0.5	108
112			10.5	8.8	8.2	6.2	4.7	2.7	1.8			112
116				5.9	5.4	3.5	2.0					116
120					2.8	0.9						120
124					0.3							124

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.

HEDB_7 Configuration 3/4

Boom length 111~171m, Superlift Radius 20m, Superlift CW 300t, Rear CW 230t, Carbody CW 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	248	247	247	245	225	198	181	161	137	122*	108*	36
38	232	230	230	229	223	196	180	160	136	121*	107*	38
40	217	216	216	214	213	194	179	159	135	120	106*	40
44	192	191	191	189	188	186	178	158	134	119	105	44
48	172	170	170	168	167	165	164	156	132	117	103	48
52	154	152	152	150	150	148	146	145	131	116	102	52
56	139	137	137	135	135	133	131	129	129	114	101	56
60	126	124	124	122	121	120	118	116	115	113	99.6	60
64	114	113	113	111	110	108	107	105	104	102	98.2	64
68	104	103	103	101	100	98.7	97.2	95.4	94.5	92.6	90.7	68
72	95.8	94.1	94.0	92.3	91.5	89.7	88.3	86.4	85.5	83.6	81.7	72
76	87.8	86.1	86.0	84.3	83.6	81.7	80.3	78.4	77.5	75.7	73.7	76
80	80.6	78.9	78.8	77.1	76.4	74.5	73.1	71.2	70.4	68.5	66.5	80
84	74.1	72.4	72.3	70.5	69.8	68.0	66.6	64.7	63.8	61.9	60.0	84
88	68.1	66.4	66.4	64.6	63.9	62.1	60.7	58.8	57.9	56.0	54.1	88
92	62.6	61.0	60.9	59.2	58.5	56.7	55.3	53.4	52.5	50.6	48.7	92
96	57.6	55.9	55.9	54.2	53.5	51.7	50.3	48.4	47.6	45.7	43.7	96
100	52.9	51.3	51.3	49.6	48.9	47.1	45.7	43.9	43.0	41.1	39.2	100
104		47.0	47.0	45.3	44.7	42.9	41.5	39.6	38.8	36.9	35.0	104
108		42.9	43.0	41.3	40.7	38.9	37.5	35.7	34.8	32.9	31.0	108
112			39.3	37.6	37.0	35.3	33.9	32.0	31.2	29.3	27.4	112
116				34.1	33.6	31.8	30.5	28.6	27.8	25.9	24.0	116
120					30.3	28.6	27.2	25.4	24.6	22.7	20.8	120
124					27.2	25.6	24.2	22.4	21.6	19.7	17.8	124
128						22.7	21.4	19.6	18.8	16.9	15.0	128
132							18.7	16.9	16.1	14.3	12.4	132
136								14.4	13.6	11.8	9.8	136
140									11.1	9.2	7.1	140
144									8.6	6.6	4.6	144
148										4.2	2.2	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.

HEDB_7 Configuration 4/4

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

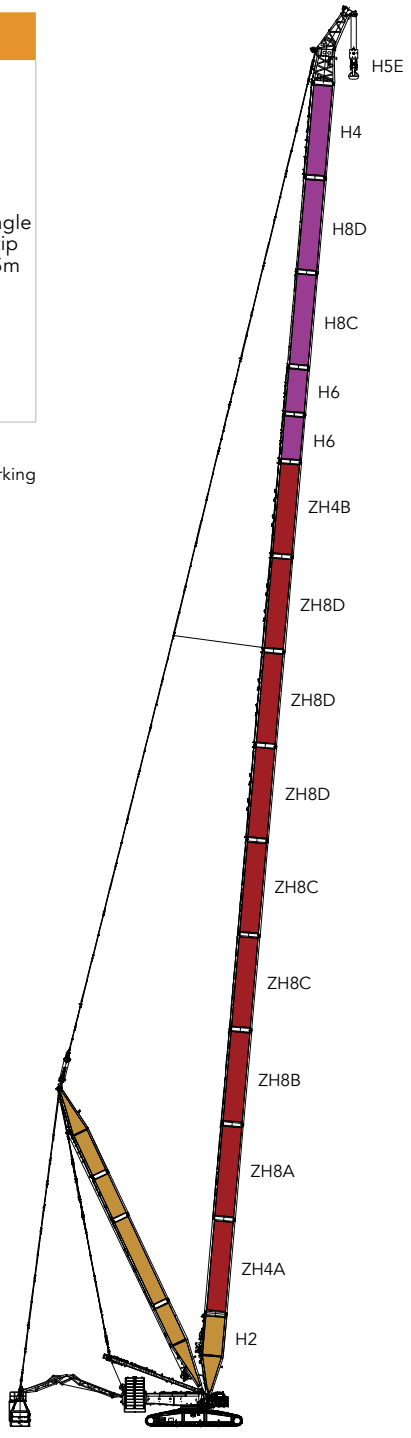
Radius(m)	111	117	123	129	135	141	147	153	159	165	171	Radius(m)
15	270*											15
16	270*	270*	270*									16
17	270*	270*	270*	253*	225*							17
18	270*	270*	270*	253*	225*	203*						18
19	270*	270*	270*	253*	226*	203*	182*	165*				19
20	270*	270*	270*	254*	226*	203*	183*	165*	144*	129*		20
22	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	235	233	214	187	176	156*	132*	117*	103*	48
52	214	213	212	211	210	184	174	154	131*	116*	102*	52
56	195	193	193	191	190	180	172	152	129*	114*	101*	56
60	178	176	176	174	174	172	170	150	128	113*	99.6*	60
64	163	161	161	160	159	157	156	149	126	111	98.2*	64
68	150	149	148	147	146	144	143	141	124	110	96.8	68
72	139	137	137	135	134	133	131	129	123	108	95.4	72
76	128	127	127	125	124	122	121	119	118	107	93.9	76
80	119	117	117	116	115	113	112	110	109	105	92.5	80
84	111	109	109	107	106	105	103	101	100	99.0	91.1	84
88	103	101	101	99.9	99.2	97.4	96.0	94.1	93.3	91.4	89.4	88
92	96.4	94.7	94.7	92.9	92.3	90.5	89.0	87.2	86.3	84.4	82.5	92
96	89.9	88.3	88.3	86.5	85.9	84.1	82.6	80.8	79.9	78.0	76.1	96
100	83.9	82.3	82.3	80.6	80.0	78.2	76.8	74.9	74.0	72.1	70.2	100
104		76.8	76.8	75.1	74.5	72.7	71.3	69.5	68.6	66.7	64.8	104
108		71.7	71.7	70.1	69.4	67.7	66.3	64.4	63.6	61.7	59.8	108
112			67.0	65.3	64.7	59.7	61.6	59.7	58.9	57.0	55.1	112
116				60.9	60.3	50.2	57.2	55.3	54.5	52.6	50.7	116
120					56.1	42.3	53.1	51.2	50.4	48.5	46.6	120
124					51.4	32.4	49.2	47.4	46.6	44.7	42.8	124
128						24.2	45.6	43.8	43.0	41.1	39.2	128
132							42.1	40.4	39.6	37.7	35.9	132
136								37.1	36.4	34.5	32.7	136
140									33.3	31.5	29.6	140
144									30.4	28.6	26.8	144
148										25.9	24.0	148
152											21.4	152

HEDB_9 Configuration

Boom combination in HEDB_9

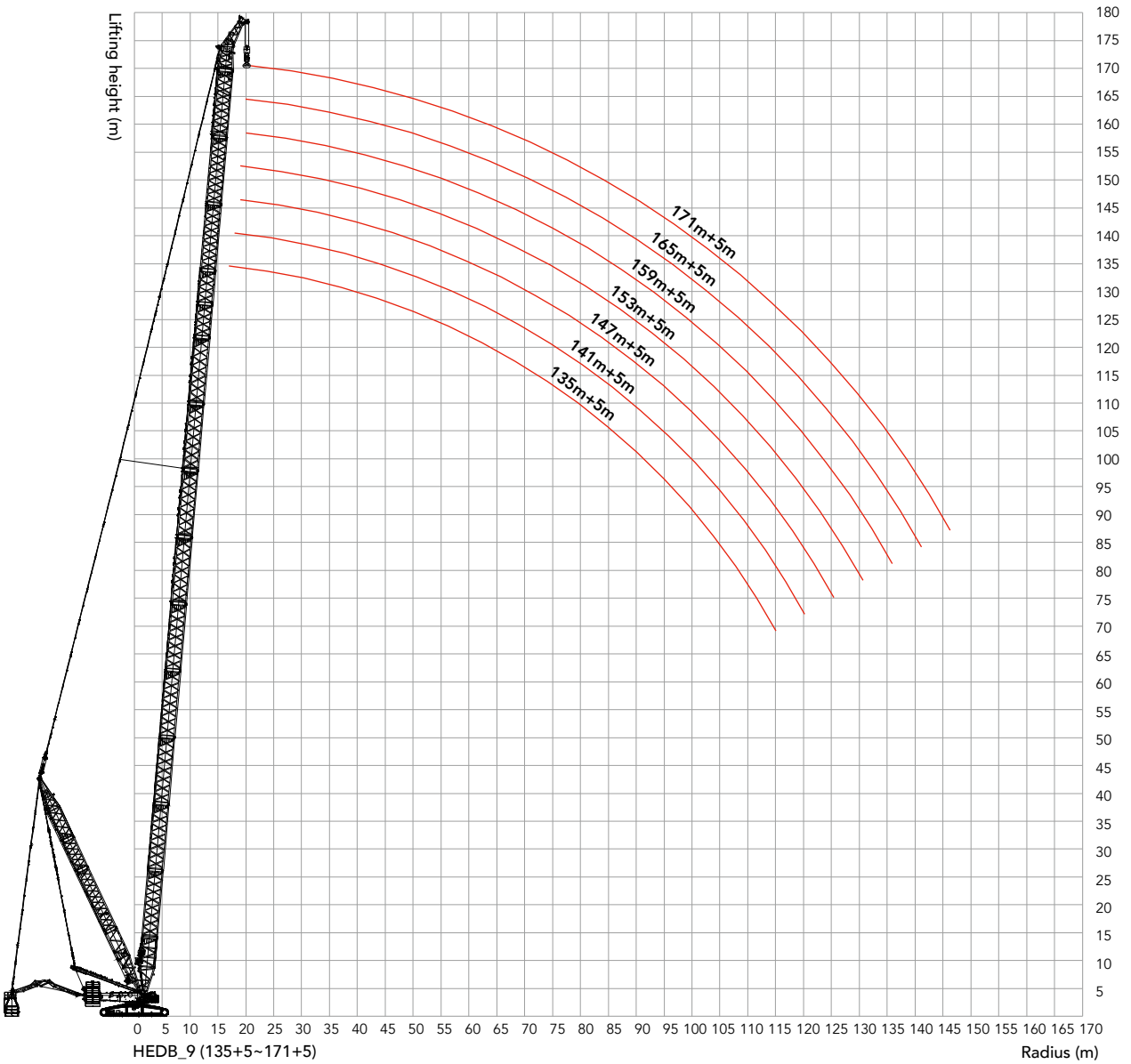
Boom length (m)	Power boom						Boom insert			
	12m lower transition section	12mA	12mB	12mC	12mD	12m upper transition section	6m	12mC	12mD	
135	1	2	2	2	1	1	-	-	-	Eagle tip 5m
141	1	2	2	2	1	1	1	-	-	
147	1	2	2	2	1	1	-	-	1	
153	1	2	2	2	1	1	1	-	1	
159	1	2	2	2	1	1	-	1	1	
165	1	2	2	2	1	1	1	1	1	
171	1	2	2	2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

Note: The 10.5m boom base, 12m 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.

HEDB_9 Configuration 1/4

Boom length 135~171m, Superlift Radius 16m, Superlift CW 0t, Rear CW 230t, Carbody CW 80t

Radius(m)	135	141	147	153	159	165	171	Radius(m)
17	195							17
18	184	178						18
19	173	168	164	158				19
20	164	158	155	150	146	141		20
22	147	142	139	134	131	126	121	22
24	132	128	125	121	118	113	109	24
26	115	113	113	109	106	102	98.4	26
28	101	100	100	98.2	96.2	92.4	88.6	28
30	90.0	88.1	88.1	86.2	85.6	83.4	79.8	30
32	79.7	77.8	77.7	75.8	75.1	73.2	71.3	32
34	70.6	68.7	68.6	66.7	66.0	64.1	62.1	34
36	62.7	60.7	60.6	58.7	58.0	56.0	54.0	36
38	55.6	53.6	53.5	51.5	50.8	48.8	46.8	38
40	49.2	47.3	47.1	45.1	44.4	42.4	40.3	40
44	38.3	36.3	36.1	34.1	33.3	31.3	29.3	44
48	29.3	27.2	27.1	25.0	24.2	22.2	20.1	48
52	27.4	19.6	19.4	17.4	16.5	14.5	12.4	52
56	20.4	18.4	18.2	10.8	10.0	7.9	5.8	56
60	14.3	12.3	12.1	10.1	9.3	2.2		60
64	9.1	7.0	6.8	4.8	4.0	1.9		64
68	4.4	2.3	2.2					68
72	4.0							72

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.

HEDB_9 Configuration 2/4								
Boom length 135~171m, Superlift Radius 18m, Superlift CW 150t, Rear CW 230t, Carbody CW 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	230	224	207	187	168	151	135	26
28	212	207	203	187	168	150	134	28
30	196	191	188	183	168	150	133	30
32	181	177	175	170	167	149	132	32
34	166	164	163	158	155	148	132	34
36	152	150	150	147	145	141	131	36
38	140	138	138	136	135	131	127	38
40	129	128	127	125	125	122	119	40
44	111	109	109	107	106	104	102	44
48	95.9	93.9	93.8	91.7	91.0	88.9	86.9	48
52	88.7	80.9	80.8	78.7	77.9	75.9	73.8	52
56	77.1	75.1	75.0	67.6	66.8	64.7	62.6	56
60	67.2	65.1	65.0	63.0	62.2	55.1	53.0	60
64	58.5	56.4	56.3	54.2	53.4	51.4	49.2	64
68	50.8	48.8	48.6	46.5	45.8	43.7	41.5	68
72	47.8	42.0	41.8	39.7	38.9	36.8	34.7	72
76	41.4	39.4	35.7	33.6	32.8	30.7	28.6	76
80	35.7	33.7	33.6	28.2	27.4	25.2	23.1	80
84	30.5	28.5	28.4	26.4	25.6	20.3	18.1	84
88	25.8	23.8	23.7	21.7	20.9	18.8	13.6	88
92	21.5	19.5	19.4	17.4	16.6	14.5	12.4	92
96	17.5	15.6	15.5	13.4	12.7	10.6	8.5	96
100	13.9	11.9	11.8	9.8	9.0	7.0	4.8	100
104	10.5	8.5	8.5	6.4	5.7	3.6	1.5	104
108	7.3	5.4	5.3	3.3	2.6	0.5		108
112	4.4	2.4	2.4	0.4				112
116	1.6							116

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.

HEDB_9 Configuration 3/4

Boom length 135~171m, Superlift Radius 20m, Superlift CW 300t, Rear CW 230t, Carbody CW 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	241	231	208	188	166	147	131	36
38	225	223	208	189	165	147	130	38
40	210	208	208	189	164	146	129	40
44	185	183	183	181	162	144	128	44
48	164	162	162	160	159	143	126	48
52	146	145	144	143	142	140	125	52
56	131	129	129	127	127	125	123	56
60	118	116	116	114	114	112	110	60
64	107	105	105	103	102	100	98.9	64
68	97.2	95.4	95.2	93.3	92.6	90.7	88.8	68
72	88.3	86.4	86.3	84.4	83.7	81.8	79.8	72
76	80.3	78.4	78.3	76.4	75.7	73.8	71.8	76
80	73.1	71.2	71.1	69.2	68.5	66.6	64.6	80
84	66.5	64.7	64.6	62.7	62.0	60.1	58.1	84
88	60.6	58.8	58.6	56.8	56.0	54.1	52.2	88
92	55.2	53.3	53.2	51.3	50.6	48.7	46.8	92
96	50.2	48.4	48.2	46.4	45.7	43.8	41.8	96
100	45.6	43.8	43.7	41.8	41.1	39.2	37.3	100
104	41.3	39.5	39.4	37.6	36.9	35.0	33.0	104
108	37.4	35.6	35.5	33.6	32.9	31.0	29.1	108
112	33.7	31.9	31.8	30.0	29.3	27.4	25.5	112
116	30.2	28.5	28.4	26.6	25.9	24.0	22.1	116
120	27.0	25.2	25.2	23.4	22.7	20.8	18.9	120
124	23.9	22.2	22.2	20.3	19.7	17.8	15.9	124
128		19.3	19.3	17.5	16.9	15.0	13.1	128
132			16.6	14.8	14.2	12.3	10.4	132
136				12.3	11.7	9.7	7.6	136
140					9.0	7.0	4.9	140
144					6.4	4.4	2.4	144
148						2.0		148

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.

HEDB_9 Configuration 4/4

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

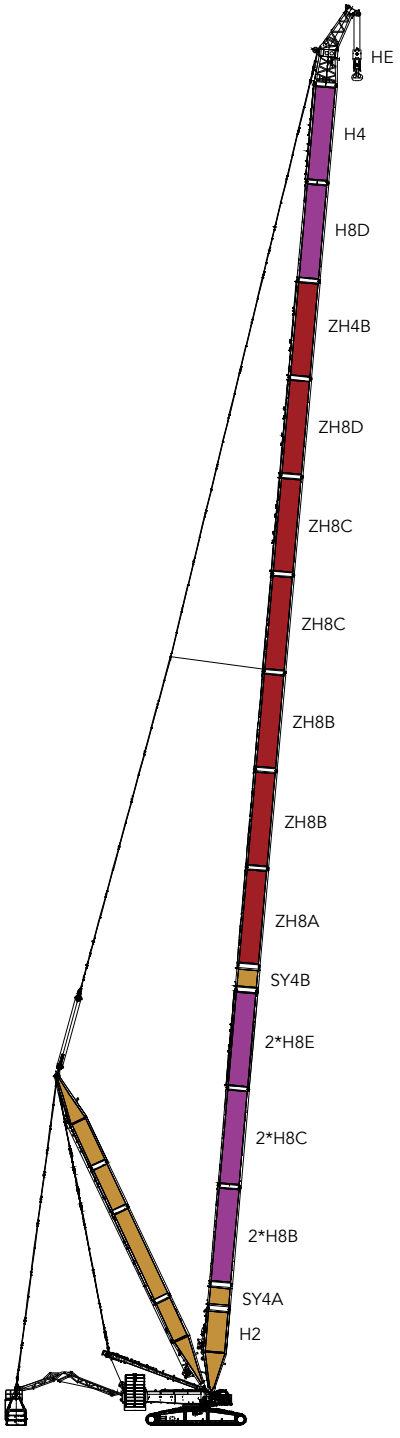
Radius(m)	135	141	147	153	159	165	171	Radius(m)
17	250*							17
18	250*	226*						18
19	250*	226*	204*	186*				19
20	250*	227*	204*	186*	166*	151*		20
22	250*	227*	205*	187*	167*	152*	136*	22
24	250*	228*	206*	187*	167*	152*	135*	24
26	250*	229*	207*	187*	168*	151*	135*	26
28	250*	230*	208*	187*	168*	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	228	209	186	161*	143*	126*	48
52	207	205	205	185	159	141*	125*	52
56	187	185	185	183	158	140	123*	56
60	170	169	168	166	156	138	122	60
64	156	154	154	152	151	137	120	64
68	143	141	141	139	138	135	119	68
72	131	129	129	127	127	125	117	72
76	121	119	119	117	116	114	112	76
80	112	110	110	108	107	105	103	80
84	103	101	101	99.7	99.0	97.1	95.2	84
88	95.9	94.1	94.0	92.1	91.4	89.5	87.5	88
92	88.9	87.1	87.0	85.1	84.4	82.5	80.6	92
96	82.5	80.7	80.6	78.7	78.0	76.1	74.2	96
100	76.6	74.8	74.7	72.8	72.1	70.2	68.3	100
104	71.2	69.4	69.3	67.4	66.7	64.8	62.9	104
108	66.1	64.3	64.2	62.4	61.6	59.8	57.8	108
112	61.4	59.6	59.5	57.7	57.0	55.1	53.2	112
116	56.9	55.2	55.1	53.3	52.6	50.7	48.8	116
120	52.8	51.1	51.0	49.2	48.5	46.6	44.7	120
124	48.9	47.2	47.1	45.3	44.7	42.8	40.9	124
128		43.5	43.5	41.7	41.1	39.2	37.3	128
132			40.1	38.3	37.7	35.8	33.9	132
136				35.0	34.4	32.6	30.7	136
140					31.4	29.6	27.7	140
144					28.5	26.7	24.8	144
148						23.9	22.1	148
152							19.5	152

HEDB_SY3 Configuration

Boom combination in HEDB_SY3

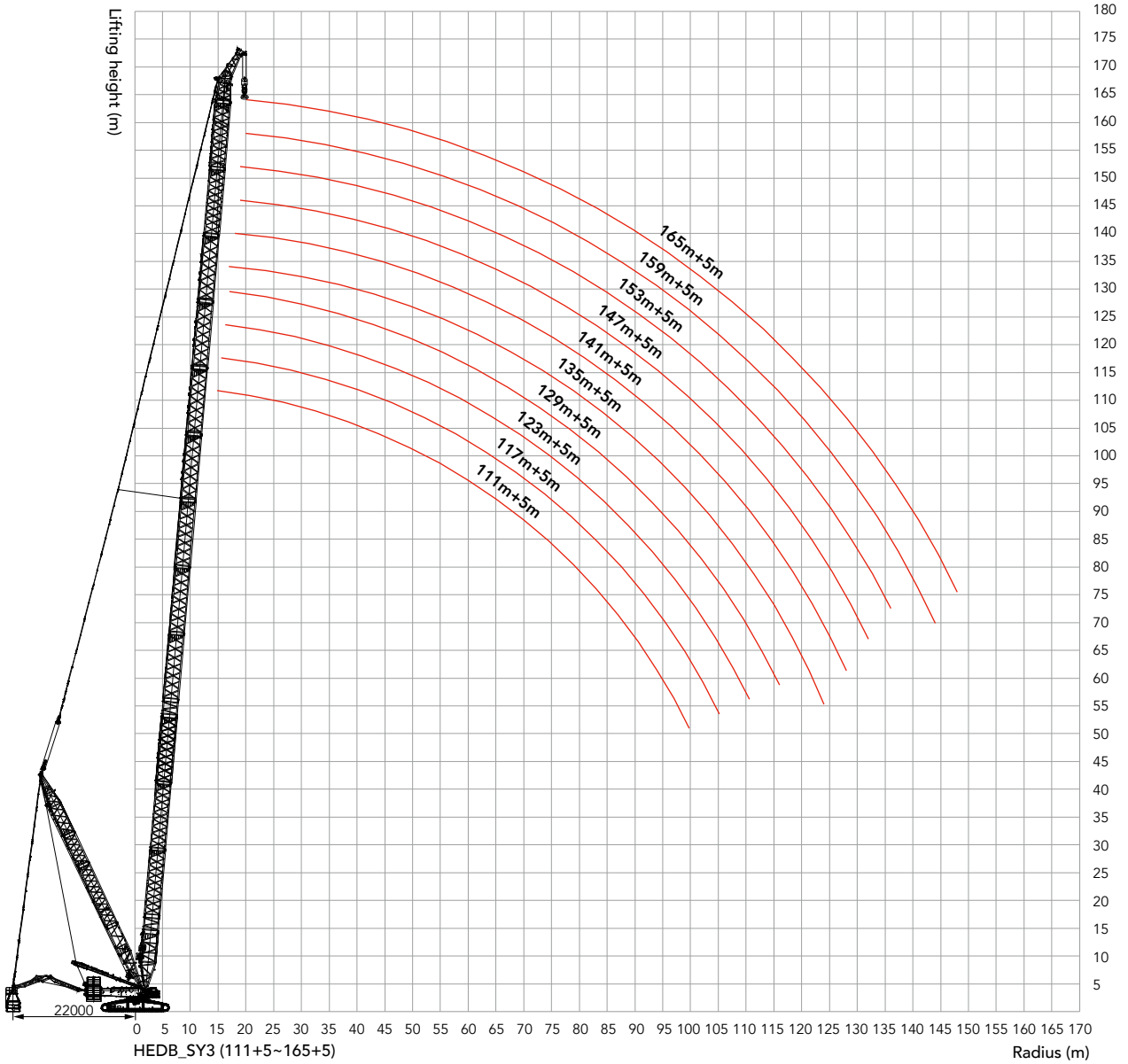
Boom length (m)	Power boom				Boom insert					
	12mA	12mB	12mC	12mD	6m	12mB	12mC	12mE	12mD	
111	1	-	1	-	1	2	2	2	-	Eagle tip 5m
117	1	-	2	-	-	2	2	2	-	
123	1	-	2	-	1	2	2	2	-	
129	1	-	2	1	-	2	2	2	-	
135	1	-	2	1	1	2	2	2	-	
141	1	1	2	1	-	2	2	2	-	
147	1	1	2	1	1	2	2	2	-	
153	1	2	2	1	-	2	2	2	-	
159	1	2	2	1	1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

Note: The 10.5m boom base, 12m 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.

HEDB_SY3 Configuration 1/4

Boom length 111~165m, Superlift Radius 16m, Superlift CW 0t, Rear CW 230t, Carbody CW 80t

Radius(m)	111	117	123	129	135	141	147	153	159	165	Radius(m)
15	248										15
16	232	224	217								16
17	218	210	204	198	192						17
18	205	198	192	186	181	173					18
19	190	186	181	176	170	163	158	151			19
20	176	174	171	166	161	154	149	142	138	134	20
22	153	151	149	148	144	137	133	127	122	120	22
24	133	131	130	129	127	123	119	113	109	107	24
26	117	115	114	113	111	108	106	101	97.7	95.7	26
28	103	101	100	99.3	97.7	94.3	92.7	89.3	87.3	85.6	28
30	92.1	89.8	88.3	87.4	85.8	82.4	80.7	77.2	75.6	75.8	30
32	82.0	79.6	78.1	77.1	75.4	72.0	70.3	66.8	65.1	65.3	32
34	73.0	70.6	69.1	68.1	66.4	62.9	61.2	57.6	55.9	56.1	34
36	65.1	62.7	61.1	60.1	58.4	54.9	53.2	49.5	47.8	48.0	36
38	58.1	55.6	54.0	53.0	51.3	47.7	46.0	42.3	40.6	40.7	38
40	51.8	49.3	47.7	46.6	44.9	41.3	39.6	35.9	34.1	34.3	40
44	47.8	38.4	36.8	35.7	34.0	30.3	28.6	24.8	23.0	23.1	44
48	38.2	35.6	34.0	26.7	24.9	21.2	19.4	15.6	13.9	13.9	48
52	30.0	27.4	25.8	24.8	23.0	13.6	11.7	7.9	6.1	6.2	52
56	23.1	20.5	18.8	17.8	16.0	12.3	10.5	1.3			56
60	21.6	14.4	12.8	11.7	9.9	6.2	4.4	0.6			60
64	16.0	13.4	7.5	6.4	4.6	0.9					64
68	11.0	8.4	6.8	1.8							68
72	6.6	4.0	2.4	1.3							72
76	2.6										76

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.

HEDB_SY3 Configuration 2/4

Boom length 111~165m, Superlift Radius 18m, Superlift CW 150t, Rear CW 230t, Carbody CW 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	264	258	253	247	239	233	216	201	182	24
26	244	242	237	232	226	219	214	207	201	182	26
28	221	219	217	214	209	202	197	190	185	182	28
30	201	199	197	196	193	186	182	175	171	168	30
32	183	181	180	179	177	172	168	162	158	155	32
34	168	166	164	163	162	158	156	150	146	144	34
36	155	152	151	150	148	145	143	139	135	133	36
38	143	140	139	138	136	132	131	127	125	124	38
40	132	129	128	127	125	122	120	116	114	115	40
44	120	111	109	108	106	103	101	97.9	96.1	96.3	44
48	104	102	100	93.3	91.5	87.9	86.1	82.4	80.6	80.7	48
52	91.2	88.7	87.1	86.0	84.3	74.9	73.1	69.3	67.5	67.6	52
56	79.7	77.1	75.5	74.5	72.7	69.1	67.3	58.2	56.4	56.4	56
60	74.0	67.2	65.6	64.5	62.7	59.1	57.3	53.5	51.7	46.8	60
64	65.3	62.7	56.9	55.8	54.0	50.3	48.5	44.7	42.9	43.0	64
68	57.3	54.7	53.2	48.1	46.3	42.6	40.8	37.0	35.2	35.3	68
72	50.2	47.6	46.1	45.1	43.3	35.8	34.0	30.1	28.3	28.4	72
76	43.9	41.3	39.7	38.7	37.0	33.3	27.9	24.0	22.2	22.3	76
80	38.1	35.5	34.0	33.0	31.2	27.5	25.8	18.5	16.7	16.8	80
84	32.9	30.3	28.8	27.8	26.0	22.4	20.6	16.7	14.9	11.8	84
88	28.2	25.6	24.0	23.1	21.3	17.6	15.9	12.0	10.2	10.3	88
92	23.8	21.2	19.7	18.7	17.0	13.3	11.5	7.7	5.9	6.0	92
96	19.8	17.2	15.7	14.8	13.0	9.3	7.6	3.7	1.9	2.1	96
100	16.0	13.5	12.0	11.1	9.4	5.7	3.9				100
104		10.0	8.6	7.7	6.0	2.3	0.5				104
108		6.7	5.3	4.5	2.8						108
112			2.3	1.5							112

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.

HEDB_SY3 Configuration 3/4

Boom length 111~165m, Superlift Radius 20m, Superlift CW 300t, Rear CW 230t, Carbody CW 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	259	258	257	250	250	239	218	203	183	34
36	243	241	239	239	237	234	232	218	203	182	36
38	227	225	223	222	221	218	216	213	203	181	38
40	212	210	209	208	206	203	201	198	196	180	40
44	187	185	183	182	181	178	176	173	171	171	44
48	166	164	163	162	160	157	155	152	150	150	48
52	149	146	145	144	142	139	137	134	132	132	52
56	134	131	130	129	127	124	122	119	117	117	56
60	121	118	117	116	114	111	109	106	104	104	60
64	109	107	105	104	103	99.9	98.3	94.8	93.2	93.2	64
68	99.7	97.2	95.8	94.8	93.2	89.8	88.2	84.8	83.1	83.2	68
72	90.7	88.3	86.8	85.8	84.2	80.9	79.3	75.8	74.2	74.2	72
76	82.7	80.3	78.8	77.8	76.2	72.9	71.3	67.8	66.2	66.2	76
80	75.5	73.0	71.6	70.6	69.0	65.7	64.1	60.6	58.9	59.0	80
84	68.9	66.5	65.1	64.1	62.5	59.2	57.5	54.1	52.4	52.5	84
88	62.9	60.5	59.1	58.2	56.6	53.2	51.6	48.1	46.5	46.5	88
92	57.4	55.1	53.6	52.7	51.1	47.8	46.2	42.7	41.1	41.1	92
96	52.4	50.0	48.6	47.7	46.1	42.8	41.2	37.7	36.1	36.2	96
100	47.7	45.4	44.0	43.1	41.5	38.2	36.6	33.1	31.5	31.6	100
104		41.1	39.7	38.8	37.3	34.0	32.4	28.9	27.3	27.3	104
108		37.0	35.7	34.9	33.3	30.0	28.4	25.0	23.3	23.4	108
112			32.0	31.1	29.6	26.3	24.7	21.3	19.7	19.8	112
116				27.7	26.2	22.9	21.3	17.9	16.3	16.4	116
120					22.9	19.6	18.1	14.7	13.1	13.2	120
124					19.8	16.6	15.1	11.6	9.9	10.1	124
128						13.7	12.1	8.4	6.7	6.9	128
132							9.1	5.3	3.6	3.9	132
136								2.5	0.8	1.1	136

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.

HEDB_SY3 Configuration 4/4

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

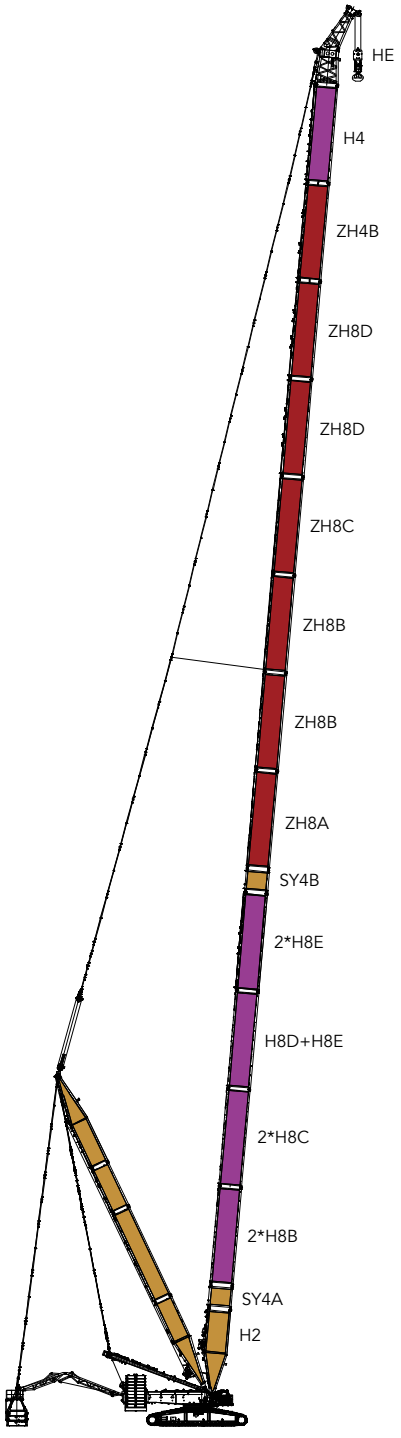
Radius(m)	111	117	123	129	135	141	147	153	159	165	Radius(m)
15	270*										15
16	270*	270*	270*								16
17	270*	270*	270*	270*	250*						17
18	270*	270*	270*	270*	250*	250*					18
19	270*	270*	270*	270*	250*	250*	234*	213*			19
20	270*	270*	270*	270*	250*	250*	234*	213*	199*	181*	20
22	270*	270*	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	249	241	217	201	179	44
48	231	229	228	227	225	222	221	215	199	176	48
52	209	207	205	204	203	199	198	194	193	174	52
56	190	187	186	185	183	180	178	175	173	172	56
60	173	170	169	168	166	163	161	158	156	156	60
64	158	156	154	153	152	148	147	143	142	142	64
68	145	143	141	140	139	135	134	130	129	129	68
72	134	131	130	129	127	124	122	119	117	117	72
76	123	121	119	118	117	113	112	108	107	107	76
80	114	112	110	109	107	104	103	99.5	97.9	97.9	80
84	105	103	102	101	99.5	96.2	94.6	91.1	89.5	89.5	84
88	98.3	95.9	94.4	93.5	91.9	88.6	86.9	83.5	81.8	81.9	88
92	91.2	88.8	87.4	86.5	84.9	81.6	79.9	76.5	74.8	74.9	92
96	84.7	82.4	81.0	80.1	78.5	75.2	73.5	70.1	68.4	68.5	96
100	78.8	76.4	75.1	74.2	72.6	69.3	67.6	64.2	62.5	62.6	100
104		70.9	69.6	68.7	67.1	63.8	62.2	58.7	57.1	57.2	104
108		65.7	64.4	63.6	62.0	58.7	57.1	53.7	52.1	52.1	108
112			59.6	58.8	57.3	54.0	52.4	49.0	47.4	47.5	112
116				54.4	52.9	49.6	48.0	44.6	43.0	43.1	116
120					48.7	45.5	43.9	40.5	38.9	39.0	120
124					44.8	41.6	40.0	36.6	35.0	35.2	124
128						37.9	36.4	33.0	31.4	31.5	128
132							33.0	29.6	28.0	28.2	132
136								26.3	24.8	24.9	136
140									21.7	21.9	140
144									18.8	19.0	144
148										16.3	148

HEDB_SY4 Configuration

Boom combination in HEDB_SY4

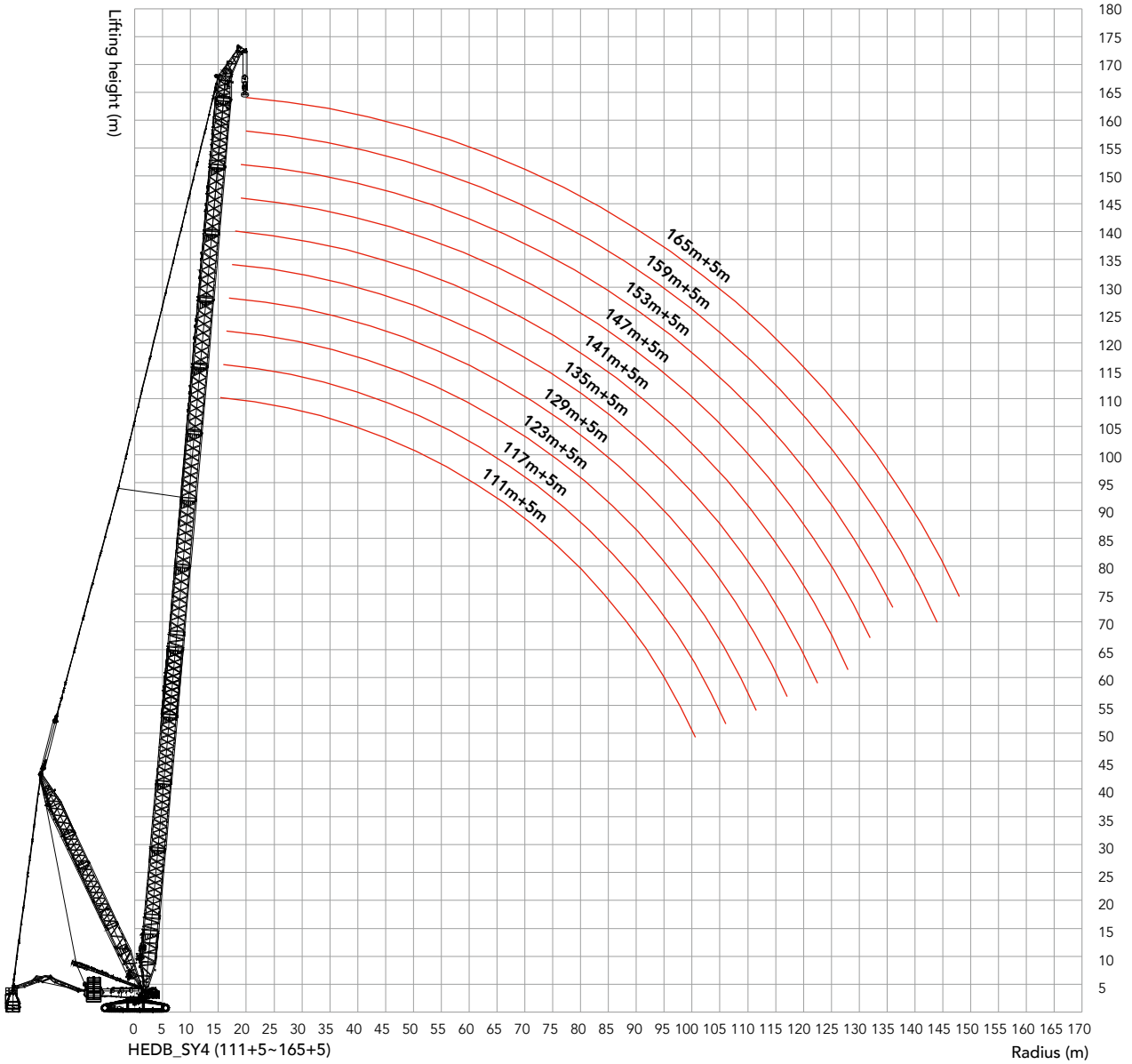
Boom length (m)	Power boom				Boom insert					
	12mA	12mB	12mC	12mD	6m	12mB	12mC	12mD	12mE	
111	1	-	-	-	1	2	2	1	3	Eagle tip 5m
117	1	-	1	-	-	2	2	1	3	
123	1	-	1	-	1	2	2	1	3	
129	1	-	2	-	-	2	2	1	3	
135	1	-	2	-	1	2	2	1	3	
141	1	-	2	1	-	2	2	1	3	
147	1	-	2	1	1	2	2	1	3	
153	1	1	2	1	-	2	2	1	3	
159	1	1	2	1	1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

Note: The 10.5m boom base, 12m 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 129m+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.

HEDB_SY4 Configuration 1/4

Boom length 111~165m, Superlift Radius 16m, Superlift CW 0t, Rear CW 230t, Carbody CW 80t

Radius(m)	111	117	123	129	135	141	147	153	159	165	Radius(m)
15	246										15
16	230	223	216								16
17	216	209	203	195	189						17
18	203	197	191	184	178	173					18
19	188	185	180	173	168	163	158	151			19
20	174	173	169	163	158	154	149	142	137	131	20
22	151	149	148	146	141	137	132	126	122	116	22
24	131	130	128	126	125	123	119	113	109	103	24
26	115	113	112	110	108	107	106	101	97.3	91.7	26
28	102	100	98.8	96.3	94.8	93.9	92.4	88.9	87.0	81.5	28
30	90.3	88.4	86.9	84.4	82.9	82.0	80.4	76.9	75.3	71.7	30
32	80.1	78.1	76.7	74.1	72.5	71.6	70.0	66.4	64.8	61.1	32
34	71.2	69.1	67.6	65.0	63.5	62.5	60.8	57.3	55.6	51.9	34
36	63.3	61.2	59.7	57.0	55.5	54.5	52.8	49.2	47.5	43.8	36
38	56.3	54.1	52.6	49.9	48.3	47.3	45.6	42.0	40.3	36.5	38
40	50.0	47.8	46.2	43.5	41.9	40.9	39.2	35.5	33.8	30.0	40
44	46.0	36.9	35.3	32.6	31.0	29.9	28.2	24.4	22.7	18.9	44
48	36.3	34.1	32.5	23.5	21.9	20.8	19.0	15.3	13.5	9.6	48
52	28.2	25.9	24.3	21.6	20.0	13.2	11.4	7.6	5.8	1.9	52
56	21.2	18.9	17.4	14.6	12.9	11.9	10.1	1.0			56
60	19.8	12.9	11.3	8.5	6.9	5.8	4.0				60
64	14.2	11.8	6.0	3.2	1.5	0.5					64
68	9.2	6.8	5.3								68
72	4.7	2.4	0.9								72
76	0.8										76

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.

HEDB_SY4 Configuration 2/4

Boom length 111~165m, Superlift Radius 18m, Superlift CW 150t, Rear CW 230t, Carbody CW 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	263	257	250	244	239	233	220	212	197	24
26	243	241	236	229	224	219	213	206	201	194	26
28	219	217	216	211	206	201	196	190	185	178	28
30	199	197	196	193	190	186	181	175	170	164	30
32	182	180	178	176	174	172	168	162	157	151	32
34	166	164	163	160	159	158	156	150	146	140	34
36	153	151	149	147	145	144	143	139	135	129	36
38	141	139	137	135	133	132	130	127	125	120	38
40	130	128	126	124	122	121	119	116	114	110	40
44	118	109	108	105	104	102	101	97.5	95.8	92.0	44
48	102	100	99.1	90.1	88.5	87.5	85.7	82.0	80.2	76.4	48
52	89.4	87.1	85.6	82.9	81.2	74.5	72.7	68.9	67.1	63.3	52
56	77.9	75.6	74.0	71.3	69.7	68.6	66.9	57.8	56.0	52.1	56
60	72.4	65.6	64.1	61.3	59.7	58.6	56.9	53.1	51.3	42.4	60
64	63.5	61.2	55.4	52.6	51.0	49.9	48.1	44.3	42.5	38.6	64
68	55.5	53.2	51.7	44.9	43.3	42.2	40.4	36.6	34.8	30.9	68
72	48.4	46.1	44.6	41.8	40.2	35.4	33.6	29.7	27.9	24.0	72
76	42.0	39.7	38.2	35.5	33.9	32.9	27.5	23.6	21.8	17.9	76
80	36.3	33.9	32.5	29.7	28.1	27.1	25.4	18.1	16.3	12.3	80
84	31.1	28.7	27.3	24.5	22.9	21.9	20.2	16.3	14.6	7.3	84
88	26.3	24.0	22.5	19.8	18.2	17.2	15.5	11.6	9.8	5.9	88
92	22.0	19.6	18.2	15.5	13.9	12.9	11.1	7.3	5.5	1.6	92
96	17.9	15.6	14.2	11.5	9.9	8.9	7.2	3.3	1.6		96
100	14.1	11.9	10.5	7.8	6.2	5.3	3.5				100
104		8.4	7.0	4.4	2.8	1.9					104
108		5.1	3.8	1.2							108
112			0.8								112

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.

HEDB_SY4 Configuration 3/4

Boom length 111~165m, Superlift Radius 20m, Superlift CW 300t, Rear CW 230t, Carbody CW 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	258	256	254	250	250	250	220	213	199	34
36	242	240	238	236	234	233	232	220	213	199	36
38	225	223	222	220	218	217	216	212	211	198	38
40	211	209	207	205	203	203	201	198	196	193	40
44	186	184	182	180	178	177	176	172	171	167	44
48	165	163	161	159	157	156	155	151	150	146	48
52	147	145	144	141	140	139	137	134	132	129	52
56	132	130	129	126	125	124	122	119	117	113	56
60	119	117	115	113	111	111	109	105	104	100	60
64	108	105	104	102	100	99.5	97.9	94.5	92.9	89.4	64
68	98.0	95.8	94.4	91.9	90.4	89.5	87.9	84.4	82.8	79.3	68
72	89.1	86.9	85.5	83.0	81.5	80.5	78.9	75.5	73.8	70.3	72
76	81.1	78.9	77.5	75.0	73.5	72.5	70.9	67.5	65.8	62.3	76
80	73.8	71.6	70.3	67.8	66.3	65.3	63.7	60.3	58.6	55.1	80
84	67.3	65.1	63.7	61.2	59.7	58.8	57.2	53.7	52.1	48.5	84
88	61.3	59.1	57.8	55.3	53.8	52.9	51.2	47.8	46.2	42.6	88
92	55.8	53.7	52.3	49.8	48.4	47.4	45.8	42.4	40.7	37.2	92
96	50.8	48.6	47.3	44.8	43.4	42.4	40.8	37.4	35.8	32.2	96
100	46.1	44.0	42.7	40.2	38.8	37.8	36.2	32.8	31.2	27.6	100
104		39.6	38.4	35.9	34.5	33.6	32.0	28.6	26.9	23.4	104
108		35.6	34.4	31.9	30.5	29.6	28.1	24.6	23.0	19.4	108
112			30.6	28.2	26.8	25.9	24.4	20.9	19.3	15.8	112
116				24.7	23.4	22.5	20.9	17.5	15.9	12.4	116
120					20.1	19.3	17.7	14.3	12.7	8.9	120
124					17.0	16.2	14.7	11.2	9.5	5.6	124
128						13.3	11.7	8.0	6.3	2.4	128
132							8.7	4.9	3.3		132
136								2.1	0.4		136

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.

HEDB_SY4 Configuration 4/4

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

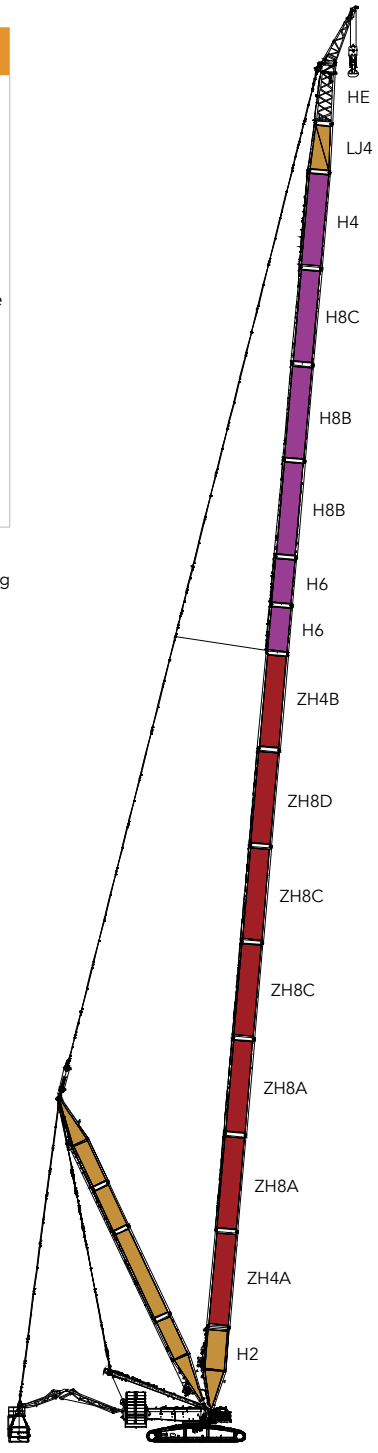
Radius(m)	111	117	123	129	135	141	147	153	159	165	Radius(m)
15	270*										15
16	270*	270*	270*								16
17	270*	270*	270*	270*	250*						17
18	270*	270*	270*	270*	250*	250*					18
19	270*	270*	270*	270*	250*	250*	245*	220*			19
20	270*	270*	270*	270*	250*	250*	246*	220*	210*	196*	20
22	270*	270*	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	230	228	227	224	223	222	220	217	213	197	48
52	207	205	204	201	200	199	197	194	192	189	52
56	188	186	184	182	180	180	178	174	173	169	56
60	171	169	168	165	164	163	161	158	156	152	60
64	156	154	153	150	149	148	146	143	141	138	64
68	143	141	140	137	136	135	133	130	128	125	68
72	132	130	128	126	124	123	122	118	117	113	72
76	122	119	118	116	114	113	111	108	106	103	76
80	112	110	109	106	105	104	102	99.2	97.5	94.0	80
84	104	102	100	98.3	96.8	95.8	94.2	90.8	89.1	85.6	84
88	96.6	94.5	93.1	90.6	89.1	88.2	86.6	83.1	81.5	77.9	88
92	89.6	87.4	86.1	83.6	82.1	81.2	79.6	76.1	74.5	71.0	92
96	83.1	81.0	79.6	77.2	75.7	74.8	73.2	69.7	68.1	64.6	96
100	77.1	75.0	73.7	71.3	69.8	68.9	67.3	63.8	62.2	58.7	100
104		69.5	68.2	65.8	64.3	63.4	61.8	58.4	56.8	53.2	104
108		64.3	63.1	60.7	59.3	58.4	56.8	53.3	51.7	48.2	108
112			58.3	55.9	54.5	53.6	52.1	48.6	47.0	43.5	112
116				51.5	50.1	49.2	47.7	44.2	42.6	39.1	116
120					45.9	45.1	43.5	40.1	38.5	35.0	120
124					42.0	41.2	39.7	36.3	34.7	31.2	124
128						37.5	36.0	32.7	31.1	27.6	128
132							32.6	29.2	27.7	24.2	132
136								26.0	24.4	20.9	136
140									21.4	17.9	140
144									18.5	15.0	144
148										12.2	148

HJHEDB_7 Configuration

Boom combination in HJHEDB_7

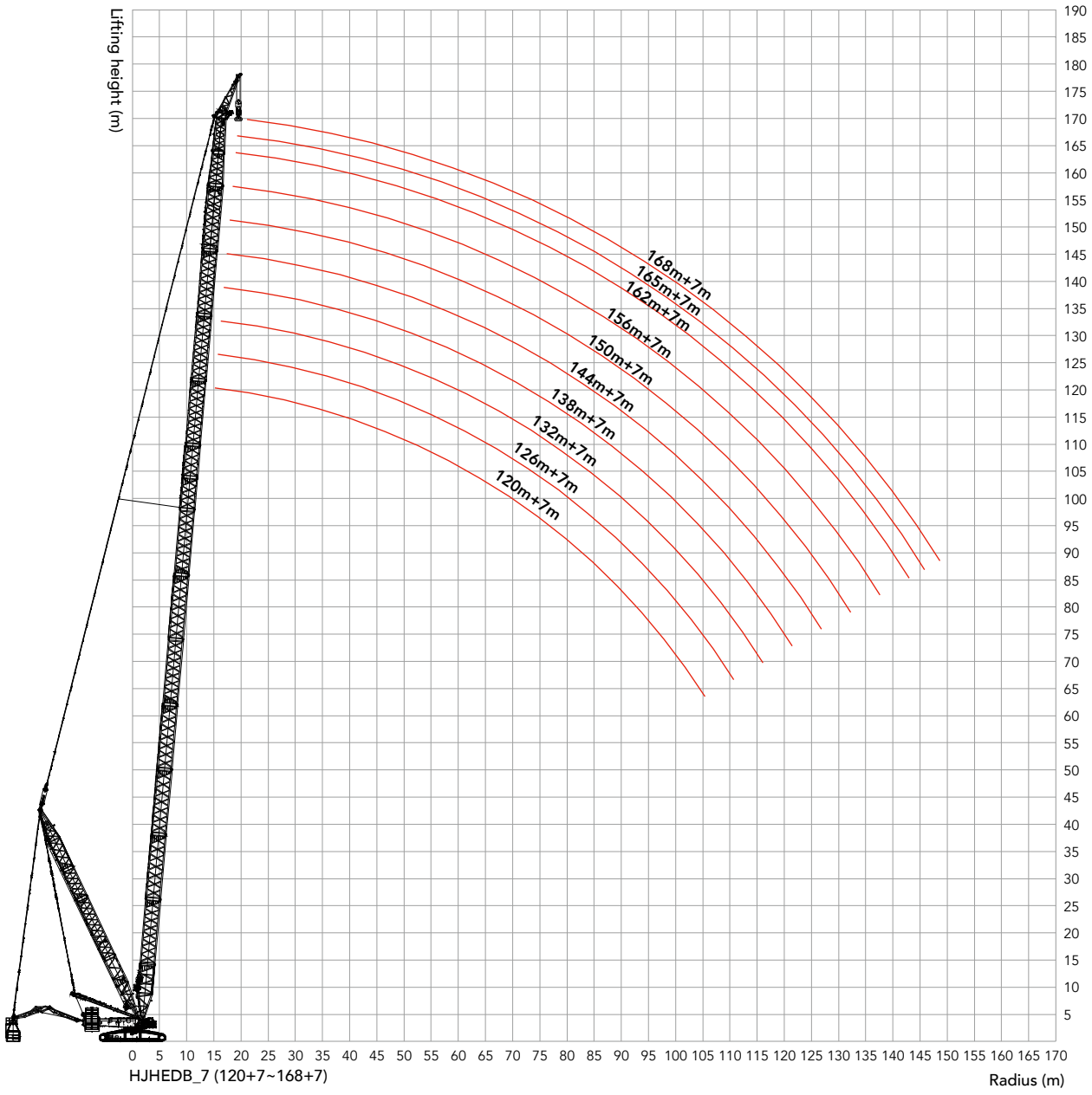
Boom length (m)	Power boom					Boom insert				
	12m lower transition section	12mA	12mC	12mD	12m upper transition section	3m	6m	12mB	12mC	
120	1	2	2	1	1	-	-	-	-	Eagle tip 7m
126	1	2	2	1	1	-	1	-	-	
132	1	2	2	1	1	-	-	1	-	
138	1	2	2	1	1	-	1	1	-	
144	1	2	2	1	1	-	-	2	-	
150	1	2	2	1	1	-	1	2	-	
156	1	2	2	1	1	-	-	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 10.5m boom base, 12m 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.

HJHEDB_7 Configuration 1/4

Boom length 120~168m, Superlift Radius 16m, Superlift CW 0t, Rear CW 230t, Carbody CW 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	173	168	163	153	138			19
20	172	173	169	164	159	154	150	138	130	123	20
22	159	157	153	148	143	139	135	130	128	122	22
24	139	138	136	134	130	125	122	118	115	113	24
26	123	122	120	118	117	113	110	106	104	102	26
28	110	108	107	105	103	102	100	96.9	94.8	93.1	28
30	98.6	96.8	95.4	93.5	92.1	90.2	89.4	87.5	86.0	84.4	30
32	88.5	86.7	85.3	83.3	81.9	79.9	79.1	77.2	76.0	75.2	32
34	79.7	77.8	76.4	74.4	72.9	71.0	70.1	68.2	66.9	66.2	34
36	71.9	69.9	68.5	66.5	65.0	63.0	62.2	60.2	59.0	58.2	36
38	64.9	63.0	61.5	59.5	58.0	56.0	55.1	53.1	51.9	51.1	38
40	58.7	56.7	55.2	53.2	51.7	49.7	48.8	46.8	45.5	44.7	40
44	48.0	46.0	44.5	42.5	40.9	38.8	37.9	35.9	34.6	33.8	44
48	45.3	43.3	35.6	33.5	31.9	29.8	28.9	26.8	25.6	24.7	48
52	37.2	35.3	33.8	31.7	24.4	22.3	21.4	19.3	18.0	17.1	52
56	30.4	28.4	26.9	24.8	23.2	21.1	14.9	12.8	11.5	10.6	56
60	24.4	22.4	20.9	18.8	17.2	15.1	14.2	12.1	5.9	5.0	60
64	23.5	17.2	15.7	13.6	12.0	9.9	9.0	6.9	5.6	4.7	64
68	18.6	16.6	11.1	9.0	7.4	5.3	4.4	2.3	0.9		68
72	14.2	12.2	10.8	4.9	3.3	1.2	0.3				72
76	10.3	8.3	6.8	4.8	3.2						76
80	6.7	4.8	3.3	1.3							80
84	3.5	1.5									84
88	0.5										88

Quality Changes the World

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.

HJHEDB_7 Configuration 2/4

Boom length 120~168m, Superlift Radius 18m, Superlift CW 150t, Rear CW 230t, Carbody CW 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	152	147	131	123	116	36
38	146	148	146	144	143	141	140	130	122	116	38
40	139	137	135	133	132	130	129	127	122	115	40
44	120	118	117	115	113	111	111	109	107	106	44
48	111	109	102	100	98.6	96.5	95.7	93.6	92.3	91.5	48
52	98.5	96.5	95.0	93.0	85.7	83.6	82.8	80.7	79.4	78.5	52
56	87.0	85.1	83.6	81.6	80.0	77.9	71.7	69.6	68.3	67.5	56
60	77.2	75.2	73.7	71.7	70.1	68.0	67.1	65.0	58.8	58.0	60
64	72.1	66.6	65.1	63.0	61.5	59.4	58.5	56.4	55.1	54.2	64
68	64.8	63.0	57.5	55.4	53.8	51.7	50.9	48.7	47.4	46.6	68
72	57.9	55.9	54.5	48.7	47.1	45.0	44.1	42.0	40.7	39.8	72
76	51.6	49.6	48.2	46.2	44.6	38.9	38.0	35.9	34.6	33.8	76
80	45.9	44.0	42.5	40.5	39.0	36.9	32.6	30.5	29.2	28.3	80
84	40.7	38.8	37.4	35.4	33.8	31.8	30.9	25.5	24.2	23.4	84
88	36.0	34.1	32.7	30.7	29.2	27.1	26.2	24.1	22.8	22.0	88
92	31.7	29.8	28.4	26.4	24.9	22.8	22.0	19.9	18.6	17.7	92
96	27.8	25.9	24.5	22.5	21.0	18.9	18.1	15.9	14.6	13.8	96
100	24.1	22.2	20.9	18.9	17.3	15.3	14.4	12.3	11.0	10.2	100
104	20.7	18.9	17.5	15.5	14.0	11.9	11.1	9.0	7.7	6.9	104
108	17.5	15.7	14.4	12.4	10.9	8.8	8.0	5.9	4.6	3.8	108
112	14.5	12.7	11.4	9.5	8.0	5.9	5.1	3.0	1.7	0.9	112
116		9.9	8.7	6.7	5.3	3.2	2.4	0.3			116
120			6.0	4.2	2.7	0.7					120
124				1.7	0.3						124

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.

HJHEDB_7 Configuration 3/4

Boom length 120~168m, Superlift Radius 20m, Superlift CW 300t, Rear CW 230t, Carbody CW 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	132	131	123	116	109	56
60	125	125	124	122	121	119	118	116	114	107	60
64	116	114	113	111	109	108	107	105	104	103	64
68	106	104	103	101	99.8	97.9	97.1	95.2	94.0	93.3	68
72	97.4	95.6	94.2	92.4	90.9	89.0	88.2	86.3	85.1	84.4	72
76	89.4	87.6	86.3	84.4	83.0	81.1	80.3	78.4	77.2	76.4	76
80	82.2	80.4	79.1	77.3	75.8	73.9	73.1	71.2	70.0	69.3	80
84	75.7	73.9	72.6	70.8	69.3	67.5	66.6	64.7	63.5	62.8	84
88	69.8	68.0	66.7	64.9	63.4	61.6	60.7	58.8	57.7	56.9	88
92	64.4	62.6	61.3	59.5	58.1	56.2	55.4	53.4	52.3	51.5	92
96	59.4	57.7	56.3	54.5	53.1	51.2	50.4	48.5	47.3	46.6	96
100	54.8	53.1	51.8	50.0	48.5	46.7	45.9	44.0	42.8	42.0	100
104	50.5	48.8	47.5	45.7	44.3	42.5	41.7	39.8	38.6	37.8	104
108	46.5	44.9	43.6	41.8	40.4	38.5	37.8	35.9	34.7	33.9	108
112	42.8	41.2	39.9	38.1	36.8	34.9	34.1	32.2	31.1	30.3	112
116		37.7	36.5	34.7	33.4	31.5	30.7	28.8	27.7	26.9	116
120			33.2	31.5	30.2	28.3	27.6	25.7	24.5	23.8	120
124				28.5	27.2	25.3	24.6	22.7	21.5	20.8	124
128				25.6	24.3	22.5	21.8	19.9	18.8	18.0	128
132					21.6	19.8	19.1	17.3	16.1	15.4	132
136						17.3	16.6	14.8	13.6	12.9	136
140							14.2	12.4	11.3	10.5	140
144							12.0	10.0	8.8	8.0	144
148								7.6	6.4	5.6	148

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.

HJHEDB_7 Configuration 4/4

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

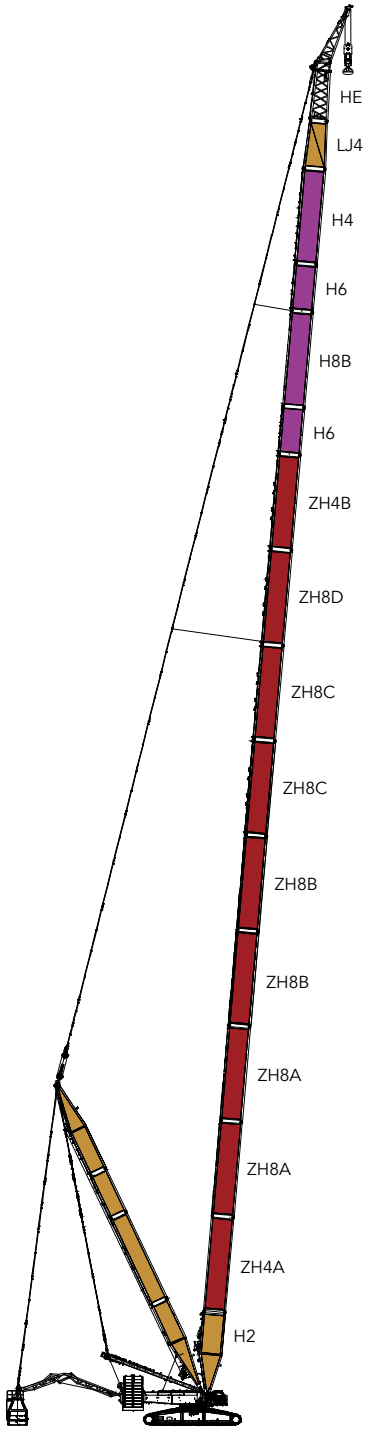
Radius(m)	120	126	132	138	144	150	156	162	165	168	Radius(m)
16	180*	181*									16
17	178*	179*	180*	179*							17
18	176*	176*	177*	179*	178*	171*					18
19	174*	174*	176*	177*	177*	171*	153*	138*			19
20	172*	173*	174*	175*	175*	171*	153*	138*	130*	123*	20
22	168*	169*	171*	172*	172*	171*	153*	137*	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	121	115	108	102	76
80	111	113	115	116	114	112	112	110	107	100	80
84	109	111	109	107	106	104	103	101	100	99.2	84
88	105	103	102	100	98.8	96.9	96.1	94.2	93.0	92.2	88
92	98.2	96.4	95.1	93.3	91.8	89.9	89.1	87.2	86.1	85.3	92
96	91.7	90.0	88.7	86.9	85.5	83.6	82.8	80.9	79.7	78.9	96
100	85.8	84.1	82.8	81.0	79.6	77.7	76.9	75.0	73.8	73.1	100
104	80.4	78.7	77.4	75.6	74.2	72.3	71.5	69.6	68.4	67.7	104
108	75.3	73.6	72.3	70.5	69.1	67.3	66.5	64.6	63.4	62.7	108
112	70.5	68.8	67.6	65.8	64.5	62.6	61.8	59.9	58.8	58.0	112
116		64.4	63.2	61.4	60.1	58.2	57.5	55.6	54.4	53.6	116
120			59.1	57.3	56.0	54.2	53.4	51.5	50.3	49.6	120
124				53.5	52.1	50.3	49.6	47.7	46.5	45.8	124
128				44.7	48.5	46.7	46.0	44.1	43.0	42.2	128
132					45.1	43.3	42.6	40.7	39.6	38.8	132
136						40.1	39.4	37.5	36.4	35.7	136
140							36.3	34.5	33.4	32.6	140
144							33.4	31.6	30.5	29.8	144
148								28.9	27.8	27.1	148
152										24.5	152

HJHEDB_9 Configuration

Boom combination in HJHEDB_9

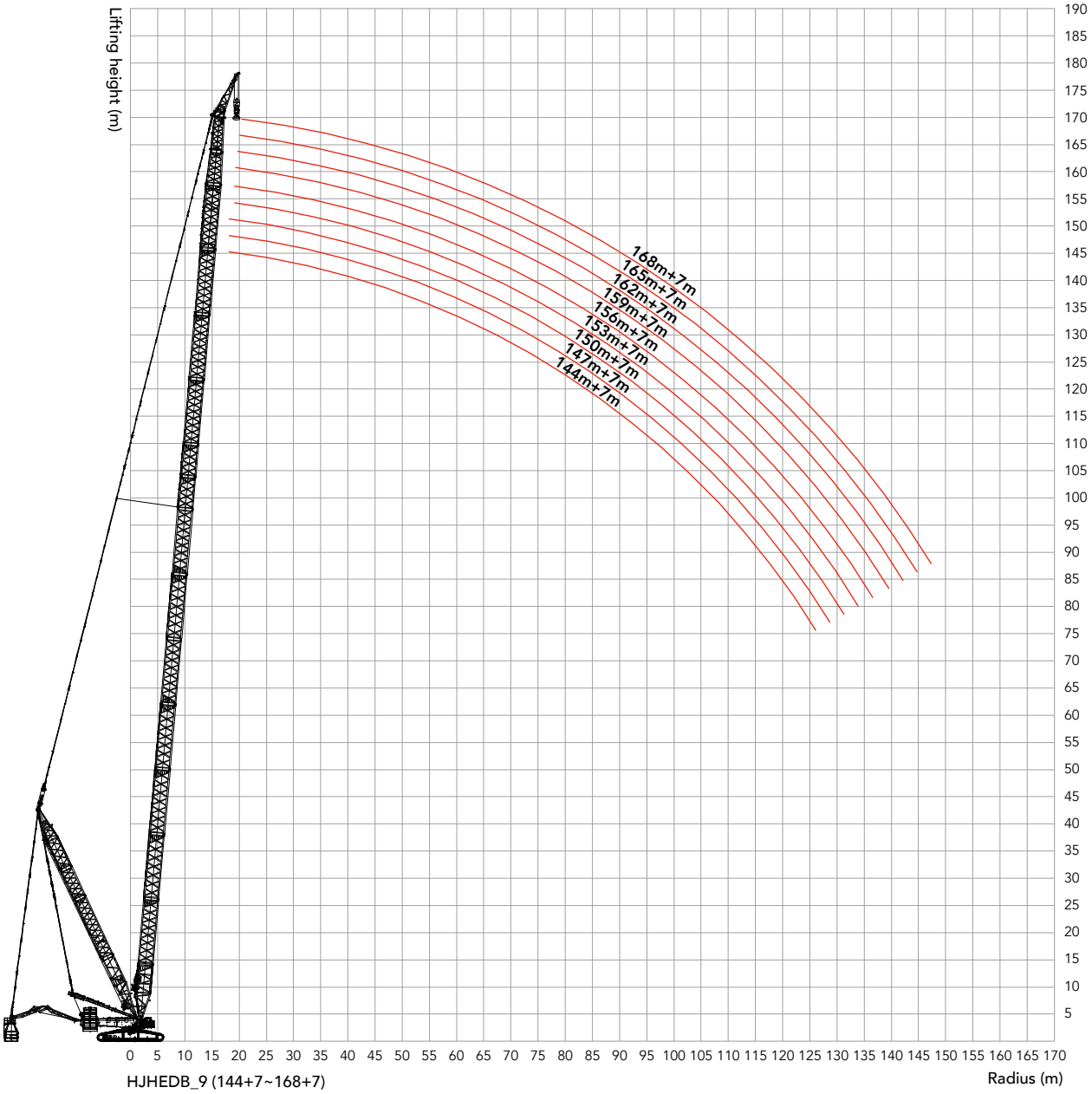
Boom length (m)	Power boom						Boom insert			
	12m lower transition section	12mA	12mB	12mC	12mD	12m upper transition section	3m	6m	12mB	
144	1	2	2	2	1	1	-	-	-	Eagle tip 7m
147	1	2	2	2	1	1	1	-	-	
150	1	2	2	2	1	1	-	1	-	
153	1	2	2	2	1	1	1	1	-	
156	1	2	2	2	1	1	-	-	1	
159	1	2	2	2	1	1	1	-	1	
162	1	2	2	2	1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

Note: The 10.5m boom base, 12m 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



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.

HJHEDB_9 Configuration 1/4

Boom length 144~168m, Superlift Radius 16m, Superlift CW 0t, Rear CW 230t, Carbody CW 80t

Radius(m)	144	147	150	153	156	159	162	165	168	Radius(m)
18	174	171	169							18
19	165	162	159	156	155	152	149			19
20	156	153	151	148	146	143	141	138	136	20
22	140	137	135	133	131	128	127	124	122	22
24	126	124	122	119	118	116	114	111	110	24
26	113	112	110	108	106	104	102	100	99.0	26
28	99.9	98.7	98.2	97.0	96.7	94.5	93.0	90.8	89.2	28
30	88.1	86.9	86.3	85.1	85.0	83.8	83.2	82.0	80.5	30
32	77.9	76.7	76.1	74.8	74.7	73.5	72.8	71.6	70.9	32
34	68.9	67.7	67.1	65.8	65.7	64.4	63.8	62.6	61.9	34
36	61.0	59.8	59.1	57.9	57.7	56.5	55.8	54.6	53.8	36
38	54.0	52.7	52.0	50.8	50.7	49.4	48.7	47.4	46.7	38
40	47.6	46.4	45.7	44.4	44.3	43.0	42.3	41.1	40.3	40
44	36.8	35.5	34.8	33.6	33.4	32.1	31.4	30.1	29.4	44
48	27.8	26.5	25.8	24.5	24.4	23.1	22.4	21.1	20.3	48
52	20.3	19.0	18.3	17.0	16.8	15.5	14.8	13.5	12.7	52
56	19.1	17.8	17.1	10.5	10.3	9.0	8.3	7.0	6.2	56
60	13.1	11.8	11.1	9.8	9.6	8.3	7.6	1.3	0.6	60
64	7.9	6.5	5.9	4.5	4.4	3.0	2.3	1.0	0.3	64
68	3.2	1.9	1.2							68

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.

HJHEDB_9 Configuration 2/4										
Boom length 144~168m, Superlift Radius 18m, Superlift CW 150t, Rear CW 230t, Carbody CW 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	156	153	152	148	139	34
36	151	150	149	147	145	143	141	139	137	36
38	139	137	137	136	135	133	132	130	128	38
40	128	127	126	125	125	123	123	121	120	40
44	109	108	107	106	106	105	104	103	102	44
48	94.5	93.2	92.5	91.3	91.1	89.8	89.1	87.8	87.1	48
52	81.6	80.3	79.6	78.3	78.2	76.8	76.2	74.9	74.1	52
56	75.9	74.6	73.9	67.3	67.1	65.8	65.1	63.8	63.0	56
60	65.9	64.6	64.0	62.7	62.5	61.2	60.5	54.3	53.5	60
64	57.3	56.0	55.3	54.0	53.9	52.5	51.8	50.5	49.8	64
68	49.7	48.4	47.7	46.4	46.2	44.9	44.2	42.9	42.1	68
72	42.9	41.6	40.9	39.6	39.4	38.1	37.4	36.1	35.3	72
76	40.4	35.5	34.9	33.5	33.4	32.0	31.3	30.0	29.2	76
80	34.8	33.5	32.8	28.1	27.9	26.6	25.9	24.6	23.8	80
84	29.6	28.3	27.7	26.4	26.2	24.9	21.0	19.6	18.9	84
88	24.9	23.6	23.0	21.7	21.6	20.2	19.5	18.2	17.5	88
92	20.7	19.4	18.7	17.4	17.3	15.9	15.3	13.9	13.2	92
96	16.7	15.4	14.8	13.5	13.4	12.0	11.3	10.0	9.3	96
100	13.1	11.8	11.2	9.9	9.7	8.4	7.7	6.4	5.7	100
104	9.8	8.5	7.8	6.5	6.4	5.1	4.4	3.1	2.3	104
108	6.6	5.4	4.7	3.4	3.3	2.0	1.3			108
112	3.7	2.5	1.8	0.5	0.4					112
116	1.0									116

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.

HJHEDB_9 Configuration 3/4

Boom length 144~168m, Superlift Radius 20m, Superlift CW 300t, Rear CW 230t, Carbody CW 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	139	133	52
56	130	129	128	127	127	126	125	124	123	56
60	117	116	115	114	114	113	112	111	110	60
64	106	105	104	103	103	101	101	100	99.3	64
68	96.1	94.9	94.3	93.1	93.0	91.8	91.2	90.0	89.3	68
72	87.2	86.0	85.4	84.2	84.1	82.9	82.3	81.1	80.4	72
76	79.3	78.1	77.5	76.3	76.1	74.9	74.3	73.1	72.4	76
80	72.1	70.9	70.3	69.1	69.0	67.8	67.1	65.9	65.2	80
84	65.6	64.4	63.8	62.6	62.5	61.3	60.6	59.5	58.8	84
88	59.7	58.5	57.9	56.7	56.6	55.4	54.8	53.6	52.9	88
92	54.3	53.1	52.5	51.3	51.2	50.0	49.4	48.2	47.5	92
96	49.4	48.2	47.6	46.4	46.3	45.0	44.4	43.2	42.5	96
100	44.8	43.6	43.0	41.8	41.7	40.5	39.9	38.7	38.0	100
104	40.6	39.4	38.8	37.6	37.5	36.3	35.7	34.5	33.8	104
108	36.7	35.5	34.9	33.7	33.6	32.4	31.8	30.6	29.9	108
112	33.0	31.8	31.2	30.1	30.0	28.7	28.1	27.0	26.3	112
116	29.6	28.4	27.8	26.7	26.6	25.4	24.7	23.6	22.9	116
120	26.4	25.2	24.7	23.5	23.4	22.2	21.6	20.4	19.7	120
124	23.4	22.2	21.7	20.5	20.4	19.2	18.6	17.4	16.7	124
128	20.5	19.4	18.8	17.7	17.6	16.4	15.8	14.6	14.0	128
132	17.8	16.7	16.2	15.0	14.9	13.7	13.2	12.0	11.3	132
136		14.2	13.6	12.5	12.4	11.2	10.6	9.3	8.6	136
140				9.8	9.8	8.5	7.9	6.6	5.9	140
144					7.2	5.9	5.3	4.1	3.4	144
148							2.9	1.7	1.0	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.

HJHEDB_9 Configuration 4/4

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

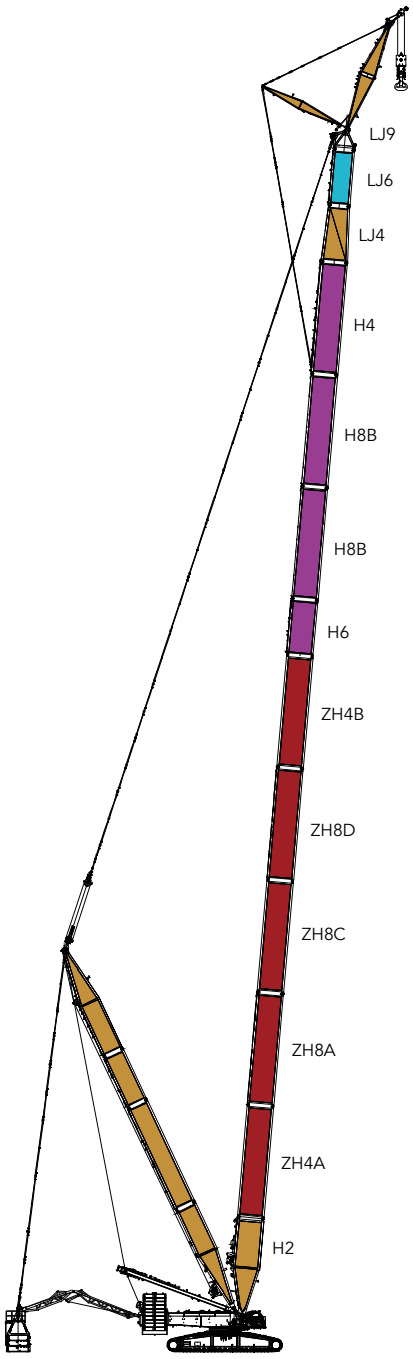
Radius(m)	144	147	150	153	156	159	162	165	168	Radius(m)
18	179*	179*	180*							18
19	178*	178*	178*	178*	172*	164*	157*			19
20	176*	176*	176*	176*	172*	164*	157*	149*	142*	20
22	172*	173*	173*	174*	172*	165*	157*	150*	142*	22
24	170*	170*	170*	170*	172*	165*	158*	150*	143*	24
26	167*	167*	167*	168*	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	124	123	72
76	120	119	118	117	117	115	115	114	113	76
80	111	109	109	108	107	106	106	104	104	80
84	102	101	100	99.7	99.5	98.3	97.7	96.5	95.8	84
88	95.0	93.9	93.2	92.1	91.9	90.7	90.1	88.9	88.2	88
92	88.1	86.9	86.3	85.1	85.0	83.8	83.1	82.0	81.3	92
96	81.7	80.5	79.9	78.8	78.6	77.4	76.8	75.6	74.9	96
100	75.8	74.7	74.1	72.9	72.8	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	63.6	104
108	65.4	64.2	63.6	62.4	62.3	61.1	60.5	59.3	58.6	108
112	60.7	59.5	58.9	57.8	57.6	56.4	55.8	54.6	53.9	112
116	56.3	55.2	54.6	53.4	53.3	52.1	51.5	50.3	49.6	116
120	52.2	51.1	50.5	49.3	49.2	48.0	47.4	46.2	45.5	120
124	48.4	47.2	46.6	45.5	45.4	44.2	43.6	42.4	41.7	124
128	44.7	43.6	43.0	41.9	41.8	40.6	40.0	38.8	38.1	128
132	41.3	40.2	39.6	38.5	38.4	37.2	36.6	35.5	34.8	132
136		36.9	36.4	35.3	35.2	34.0	33.4	32.3	31.6	136
140				32.2	32.1	31.0	30.4	29.2	28.6	140
144					29.2	28.1	27.5	26.4	25.7	144
148							24.8	23.6	23.0	148
152									20.4	152

HJFJDB_5 Configuration

Boom combination in HJFJDB_5

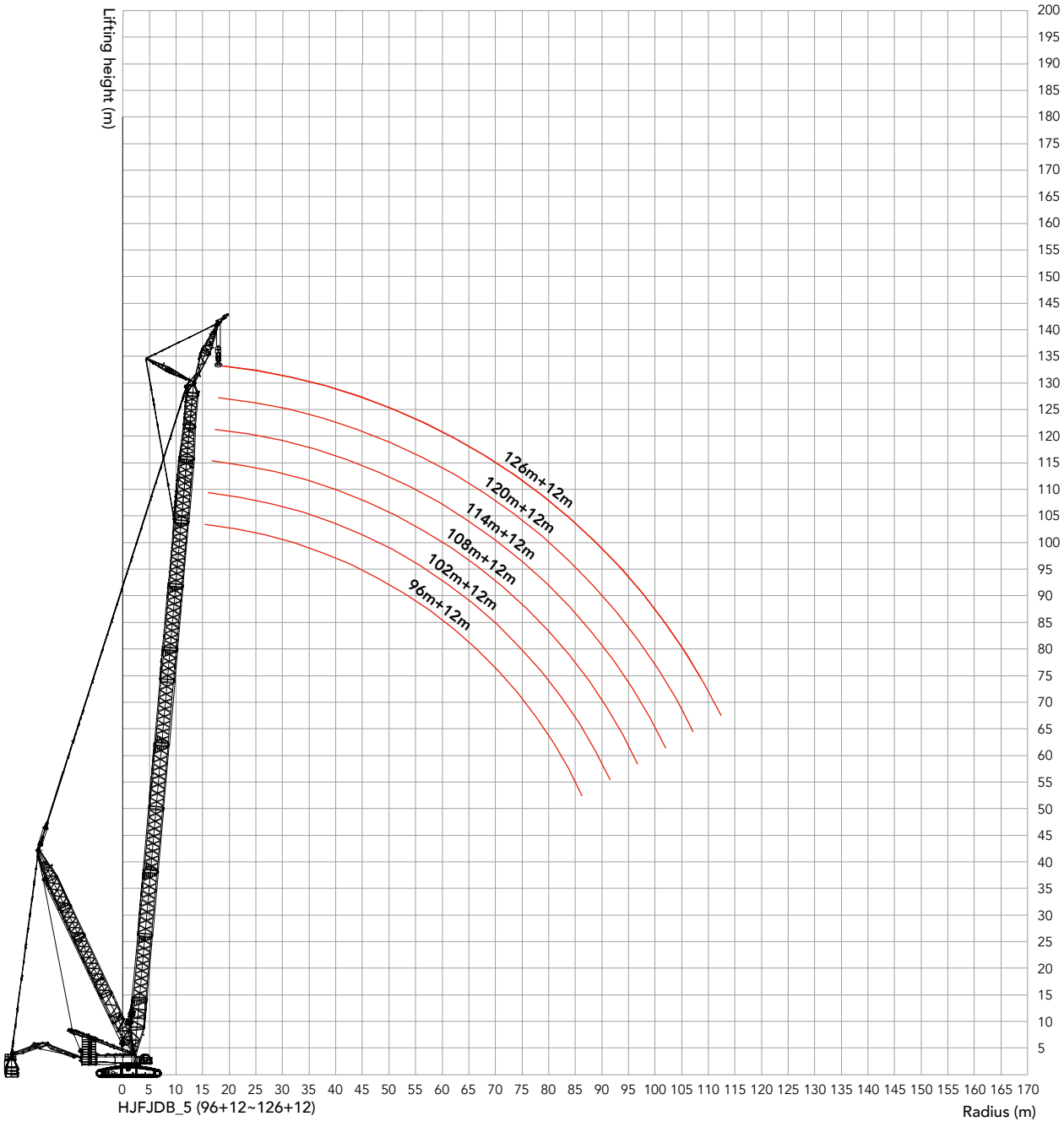
Boom length (m)	Power boom				Boom insert			Jib insert	
	12m lower transition section	12mA	12mD	12m upper transition section	6m	12mB	12mC	6m	
96	1	2	1	1	-	-	-	1	Fixed Jib 12m
102	1	2	1	1	1	-	-	1	
108	1	2	1	1	-	1	-	1	
114	1	2	1	1	1	1	-	1	
120	1	2	1	1	-	2	-	1	
126	1	2	1	1	1	2	-	1	

Note: The 10.5m boom base, 12m 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



HJFJDB_5 (96+12~126+12)

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.

HJFJDB_5 Configuration 1/4

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

Radius(m)	96	102	108	114	120	126	Radius(m)
14	240						14
15	240	240	240				15
16	240	240	235	227	215		16
17	234	228	221	214	208	194	17
18	217	215	209	202	196	190	18
19	202	200	197	191	186	180	19
20	188	187	186	181	176	170	20
22	165	164	162	161	159	154	22
24	146	144	143	142	140	138	24
26	130	129	127	126	124	122	26
28	117	115	114	112	110	109	28
30	105	104	102	100	99.2	97.3	30
32	95.9	94.0	92.6	90.7	89.1	87.1	32
34	87.1	85.2	83.8	81.8	80.2	78.2	34
36	79.4	77.4	76.0	74.0	72.4	70.4	36
38	80.6	70.5	69.1	67.0	65.4	63.3	38
40	73.9	72.0	62.8	60.8	59.1	57.1	40
44	62.5	60.5	59.0	57.0	48.4	46.3	44
48	53.0	51.0	49.5	47.5	45.8	43.7	48
52	50.5	43.0	41.5	39.4	37.7	35.6	52
56	43.2	41.2	34.6	32.5	30.8	28.7	56
60	36.8	34.9	33.4	26.6	24.9	22.8	60
64	31.3	29.3	27.8	25.8	24.1	17.6	64
68	26.4	24.4	22.9	20.8	19.2	17.1	68
72	22.0	20.0	18.5	16.5	14.8	12.7	72
76	18.1	16.1	14.6	12.6	10.9	8.8	76
80	14.6	12.6	11.1	9.0	7.4	5.2	80
84	11.4	9.4	7.9	5.8	4.2	2.0	84
88	8.4	6.5	5.0	2.9	1.2		88
92	5.7	3.8	2.3				92
96	3.2	1.3					96

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.

HJFJDB_5 Configuration 2/4

Boom length 96~126m, Jib length 12m, Jib offset angle 15° , Superlift Radius 18m, Superlift CW 150t, Rear CW 230t, Carbody CW 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	234	233	231	230	217	194	28
30	215	213	211	210	208	194	30
32	197	195	194	192	191	189	32
34	182	180	179	177	175	174	34
36	169	167	166	164	162	160	36
38	165	155	154	152	150	148	38
40	154	152	143	141	139	137	40
44	135	133	131	129	121	119	44
48	119	117	116	114	112	110	48
52	108	104	102	100	99.0	96.9	52
56	97.3	95.4	91.3	89.2	87.5	85.5	56
60	87.7	85.9	84.4	79.4	77.7	75.6	60
64	79.4	77.5	76.1	74.2	72.7	66.9	64
68	72.0	70.2	68.7	66.8	65.3	63.4	68
72	65.4	63.6	62.2	60.2	58.5	56.4	72
76	59.3	57.4	55.9	53.9	52.2	50.1	76
80	53.7	51.7	50.3	48.2	46.6	44.5	80
84	48.5	46.6	45.1	43.1	41.4	39.4	84
88	43.8	41.9	40.5	38.4	36.8	34.7	88
92	39.5	37.7	36.2	34.2	32.5	30.4	92
96	35.5	33.7	32.2	30.2	28.6	26.5	96
100	28.2	30.1	28.6	26.6	25.0	22.9	100
104	25.2	23.1	25.2	23.2	21.6	19.6	104
108	22.4	20.3	22.0	20.1	18.5	16.4	108
112		17.6	15.9	17.1	15.6	13.5	112
116			13.4	11.3	12.8	10.8	116
120			11.1	9.0	10.2	8.3	120
124				6.8	5.0	5.8	124
128					3.0	0.8	128
132					1.0		132

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.

HJFJDB_5 Configuration 3/4

Boom length 96~126m, Jib length 12m, Jib offset angle 15° , Superlift Radius 20m, Superlift CW 300t, Rear CW 230t, Carbody CW 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	235	214	190	38
40	218	221	222	221	213	189	40
44	201	199	197	196	194	187	44
48	180	178	177	175	173	171	48
52	162	161	159	157	156	154	52
56	147	146	144	142	141	139	56
60	134	133	131	129	128	126	60
64	123	121	120	118	116	114	64
68	113	111	110	108	106	104	68
72	104	102	101	99.4	97.9	96.0	72
76	96.6	94.8	93.4	91.5	89.9	88.0	76
80	89.4	87.6	86.2	84.3	82.8	80.9	80
84	82.9	81.1	79.7	77.8	76.3	74.4	84
88	77.0	75.2	73.8	71.9	70.4	68.5	88
92	71.6	69.8	68.4	66.5	65.0	63.1	92
96	66.6	64.8	63.4	61.6	60.0	58.1	96
100	61.9	60.2	58.8	57.0	55.5	53.6	100
104	57.6	55.9	54.6	52.7	51.3	49.4	104
108	53.5	51.9	50.6	48.8	47.3	45.5	108
112		48.1	46.9	45.1	43.7	41.8	112
116			43.4	41.7	40.2	38.4	116
120			40.0	38.4	37.0	35.2	120
124				35.3	33.6	32.2	124
128					30.6	28.5	128
132					27.8	25.7	132
136						23.0	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.

HJFJDB_5 Configuration 4/4

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

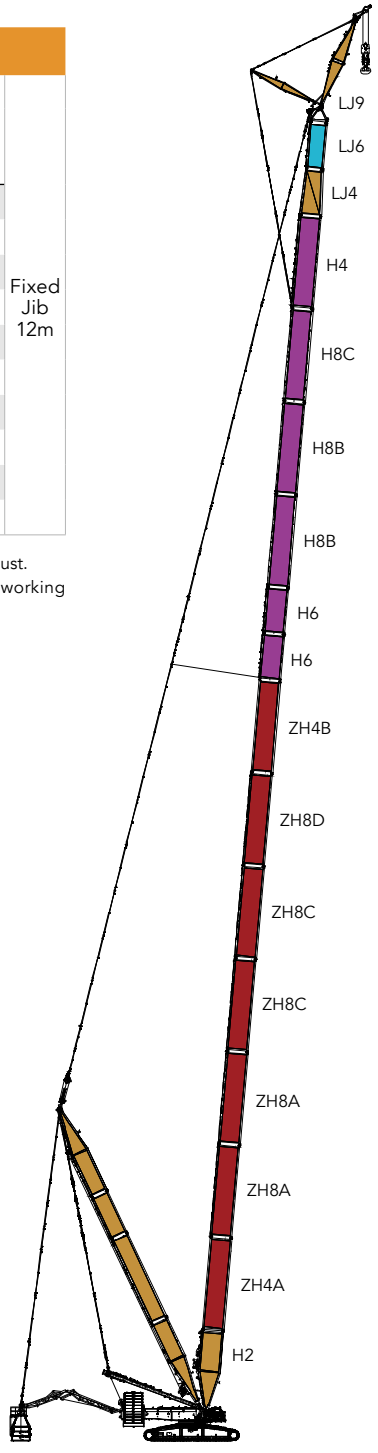
Radius(m)	96	102	108	114	120	126	Radius(m)
14	240*						14
15	240*	240*	240*				15
16	240*	240*	240*	239*	215*		16
17	240*	240*	240*	239*	215*	194*	17
18	240*	240*	240*	239*	215*	194*	18
19	240*	240*	240*	239*	216*	194*	19
20	240*	240*	240*	239*	216*	194*	20
22	240*	240*	240*	238*	215*	195*	22
24	240*	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	197	180	56
60	173	177	182	181	180	178	60
64	167	170	169	167	165	163	64
68	159	157	156	154	152	150	68
72	147	146	144	142	141	139	72
76	137	135	134	132	130	129	76
80	128	126	125	123	121	119	80
84	120	118	116	114	113	111	84
88	112	110	109	107	105	103	88
92	105	103	102	100	98.8	96.9	92
96	98.9	97.2	95.8	93.9	92.4	90.5	96
100	93.0	91.3	89.9	88.0	86.5	84.6	100
104	87.4	85.8	84.4	82.6	81.1	79.2	104
108	82.2	80.6	79.3	77.5	76.0	74.2	108
112		75.8	74.6	72.8	71.4	69.5	112
116			70.1	68.4	67.0	65.1	116
120			65.8	64.2	62.8	61.0	120
124				60.3	58.9	57.2	124
128					55.3	53.5	128
132					51.7	50.1	132
136						46.7	136

HJFJDB_7 Configuration

Boom combination in HJFJDB_7

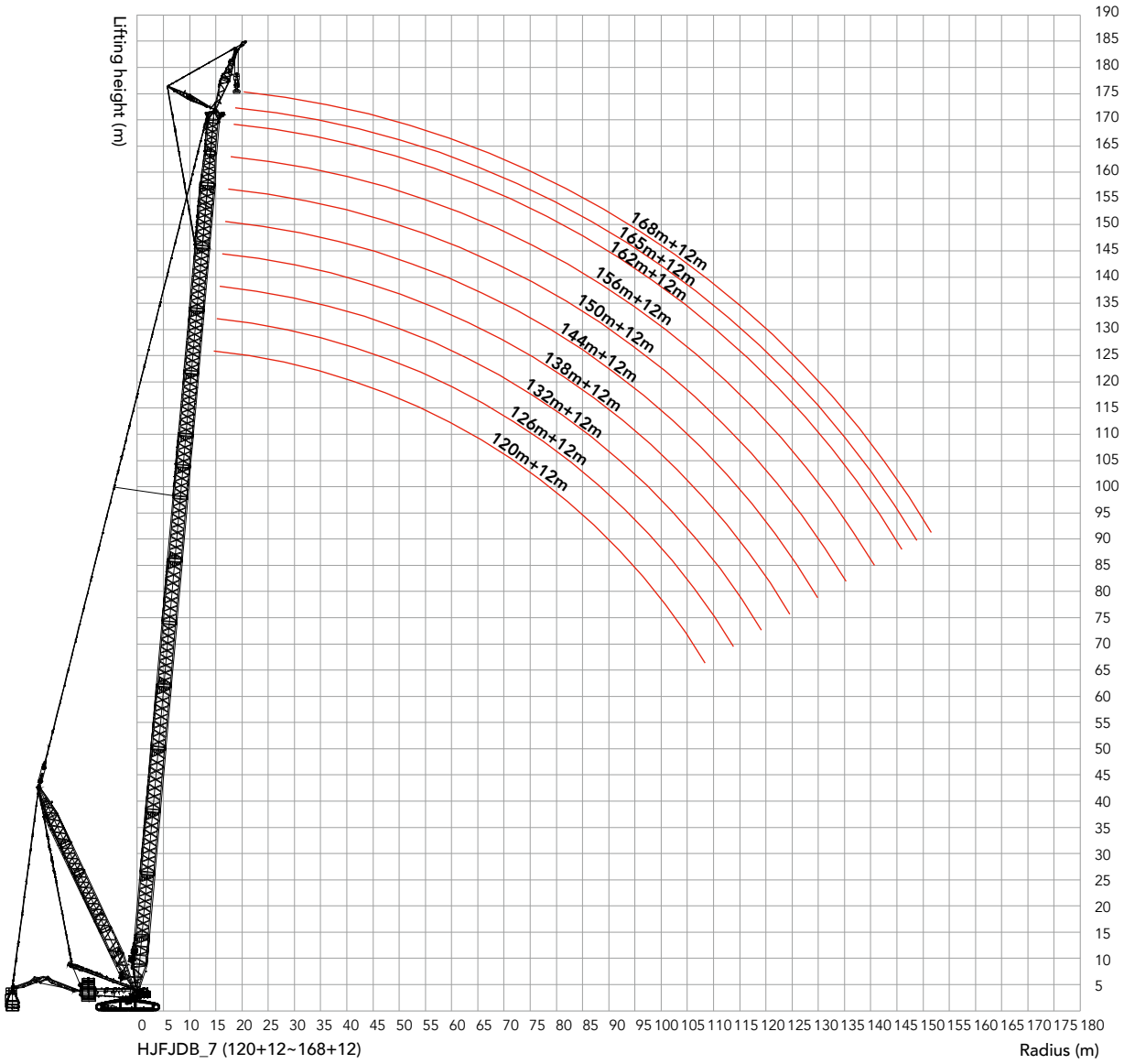
Boom length (m)	Power boom					Boom insert				Jib insert	
	12m lower transition section	12mA	12mC	12mD	12m upper transition section	3m	6m	12mB	12mC	6m	
120	1	2	2	1	1	-	-	-	-	1	Fixed Jib 12m
126	1	2	2	1	1	-	1	-	-	1	
132	1	2	2	1	1	-	-	1	-	1	
138	1	2	2	1	1	-	1	1	-	1	
144	1	2	2	1	1	-	-	2	-	1	
150	1	2	2	1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

HJFJDB_7 Configuration 1/4

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

Radius(m)	120	126	132	138	144	150	156	162	165	168	Radius(m)
16	218										16
17	206	199	193								17
18	194	188	182	177	162						18
19	184	178	172	167	162	148	130				19
20	174	168	163	158	153	148	130	117	109	103	20
22	157	152	147	142	138	133	129	116	109	103	22
24	137	136	133	128	124	120	117	112	109	102	24
26	121	120	118	116	113	108	105	101	99.6	97.7	26
28	108	106	104	103	101	98.7	95.9	92.0	89.9	88.2	28
30	96.5	94.6	93.2	91.3	89.8	87.8	87.0	83.3	81.3	79.7	30
32	86.3	84.4	83.0	81.0	79.5	77.5	76.6	74.7	73.5	72.0	32
34	77.4	75.5	74.0	72.0	70.5	68.5	67.6	65.6	64.4	63.6	34
36	69.6	67.6	66.1	64.1	62.5	60.5	59.6	57.6	56.4	55.6	36
38	62.6	60.6	59.1	57.1	55.5	53.4	52.5	50.5	49.2	48.4	38
40	56.3	54.3	52.8	50.7	49.1	47.1	46.1	44.1	42.8	42.0	40
44	45.6	43.5	42.0	39.9	38.3	36.2	35.2	33.1	31.8	31.0	44
48	42.9	40.9	33.0	30.9	29.3	27.1	26.1	24.0	22.8	21.9	48
52	34.8	32.8	31.2	29.2	21.7	19.6	18.5	16.4	15.1	14.3	52
56	28.0	25.9	24.3	22.2	20.6	18.4	12.0	9.9	8.6	7.7	56
60	22.0	19.9	18.3	16.2	14.5	12.4	11.4	9.3	8.0	2.1	60
64	21.2	14.7	13.1	11.0	9.3	7.2	6.1	4.0	2.7	1.8	64
68	16.3	14.2	8.5	6.4	4.7	2.5	1.5				68
72	11.9	9.8	8.3	2.3	0.6						72
76	8.0	5.9	4.3	2.2	0.6						76
80	4.4	2.4	0.8								80
84	1.2										84

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.

HJFJDB_7 Configuration 2/4

Boom length 120~168m, Jib length 12m, Jib offset angle 15° , Superlift Radius 18m, Superlift CW 150t, Rear CW 230t, Carbody CW 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	222	217	201	182	164	147	128	114	107	101	28
30	205	201	197	182	164	146	127	113	106	100	30
32	188	186	183	178	163	146	126	112	106	99.9	32
34	173	171	169	166	162	145	125	112	105	99.2	34
36	159	157	156	154	152	144	125	111	104	98.5	36
38	147	145	144	142	140	138	124	110	104	98.1	38
40	136	135	133	131	129	127	124	110	103	97.4	40
44	118	116	115	112	111	109	108	106	102	96.1	44
48	109	107	99.6	97.6	96.0	93.9	92.9	90.8	89.5	88.7	48
52	96.1	94.1	92.5	90.5	83.0	80.9	79.9	77.8	76.6	75.7	52
56	84.7	82.6	81.1	79.0	77.4	75.3	68.9	66.8	65.5	64.6	56
60	74.8	72.7	71.2	69.1	67.4	65.3	64.3	62.2	60.9	55.0	60
64	70.1	64.1	62.5	60.4	58.8	56.6	55.6	53.5	52.2	51.3	64
68	62.6	60.6	54.9	52.8	51.1	49.0	48.0	45.8	44.6	43.7	68
72	55.6	53.6	52.0	46.0	44.4	42.2	41.2	39.1	37.8	36.9	72
76	49.3	47.3	45.7	43.6	42.0	36.2	35.2	33.0	31.7	30.8	76
80	43.6	41.6	40.0	38.0	36.3	34.2	29.7	27.5	26.2	25.4	80
84	38.5	36.5	34.9	32.8	31.2	29.1	28.1	22.6	21.3	20.4	84
88	33.8	31.8	30.3	28.2	26.5	24.4	23.4	21.3	20.0	19.1	88
92	29.6	27.5	26.0	23.9	22.3	20.1	19.1	17.0	15.7	14.8	92
96	25.6	23.6	22.1	20.0	18.3	16.2	15.2	13.1	11.8	10.9	96
100	22.0	20.0	18.5	16.4	14.7	12.6	11.6	9.5	8.2	7.3	100
104	18.7	16.7	15.1	13.0	11.4	9.3	8.3	6.1	4.8	4.0	104
108	15.5	13.5	12.0	10.0	8.3	6.2	5.2	3.1	1.8	0.9	108
112	12.6	10.6	9.1	7.1	5.4	3.3	2.3				112
116	9.9	7.9	6.4	4.4	2.7	0.6					116
120	7.3	5.3	3.9	1.8							120
124	2.0	2.9	1.5								124

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.

HJFJDB_7 Configuration 3/4

Boom length 120~168m, Jib length 12m, Jib offset angle 15° , Superlift Radius 20m, Superlift CW 300t, Rear CW 230t, Carbody CW 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	231	224	200	178	161	144	124	110*	104*	98.1*	38
40	217	215	199	177	160	143	124	110*	103*	97.4*	40
44	191	190	188	174	159	141	122	108	102	96.1	44
48	171	169	167	166	157	140	121	107	100	94.8	48
52	153	151	150	148	146	138	119	106	99.7	93.5	52
56	138	136	135	133	131	130	118	104	98.3	92.2	56
60	125	123	122	120	118	116	116	103	97.0	90.9	60
64	114	112	110	109	107	105	104	101	95.7	89.6	64
68	104	102	100	99.0	97.5	95.5	94.6	92.7	91.5	88.3	68
72	95.3	93.4	92.0	90.1	88.6	86.6	85.7	83.8	82.6	81.8	72
76	87.3	85.5	84.0	82.1	80.6	78.7	77.7	75.8	74.6	73.8	76
80	80.2	78.3	76.9	75.0	73.4	71.5	70.6	68.6	67.5	66.7	80
84	73.7	71.8	70.4	68.5	67.0	65.0	64.1	62.1	61.0	60.2	84
88	67.8	65.9	64.5	62.6	61.1	59.1	58.2	56.2	55.1	54.3	88
92	62.4	60.5	59.1	57.2	55.7	53.7	52.8	50.9	49.7	48.9	92
96	57.4	55.6	54.1	52.3	50.7	48.8	47.9	45.9	44.8	44.0	96
100	52.8	51.0	49.6	47.7	46.2	44.3	43.3	41.4	40.2	39.4	100
104	48.6	46.8	45.4	43.5	42.0	40.1	39.1	37.2	36.0	35.2	104
108	44.7	42.9	41.5	39.6	38.1	36.2	35.2	33.3	32.1	31.3	108
112	41.0	39.2	37.8	35.9	34.4	32.5	31.6	29.7	28.5	27.7	112
116	37.6	35.8	34.4	32.5	31.1	29.1	28.2	26.3	25.1	24.3	116
120	34.4	32.6	31.2	29.4	27.9	26.0	25.1	23.1	22.0	21.2	120
124	30.6	29.6	28.2	26.4	24.9	23.0	22.1	20.2	19.0	18.2	124
128	27.6	25.6	25.4	23.6	22.1	20.2	19.3	17.4	16.2	15.4	128
132	24.8	22.8	22.7	20.9	19.5	17.6	16.7	14.8	13.6	12.8	132
136		20.1	18.5	18.4	17.0	15.1	14.2	12.3	11.1	10.4	136
140			16.0	13.9	14.6	12.7	11.9	9.9	8.6	7.8	140
144			13.6	11.5	12.3	10.3	9.5	7.4	6.1	5.3	144
148				9.2	7.6	7.9	7.1	5.0	3.7	2.9	148

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.

HJFJDB_7 Configuration 4/4

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

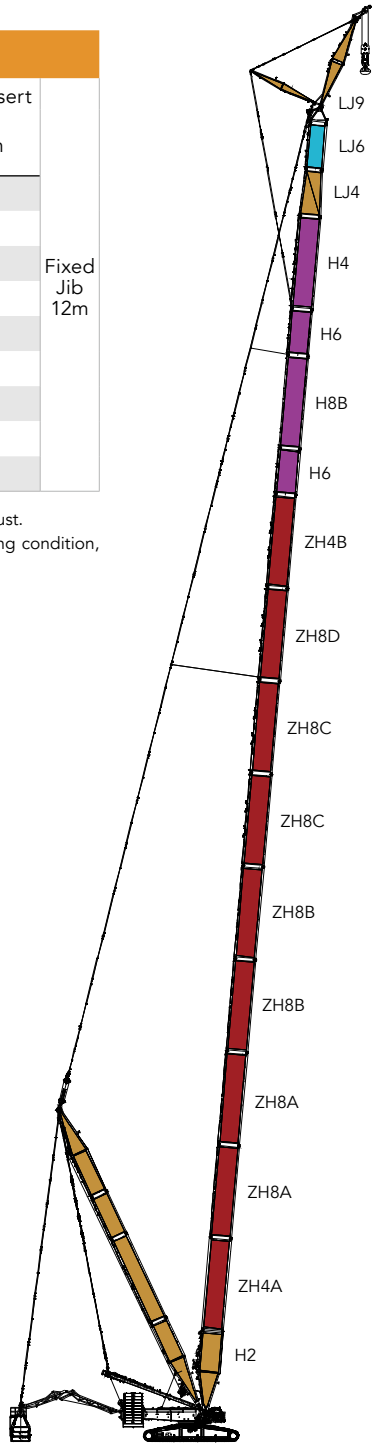
Radius(m)	120	126	132	138	144	150	156	162	165	168	Radius(m)
16	240*										16
17	240*	221*	201*								17
18	240*	221*	201*	181*	162*						18
19	240*	221*	200*	181*	162*	148*	130*				19
20	240*	222*	200*	181*	162*	148*	130*	117*	109*	103*	20
22	240*	223*	201*	181*	163*	148*	130*	116*	109*	103*	22
24	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	194	192	190	167	154	136*	118*	104*	98.3*	92.2*	56
60	177	175	174	165	152	135	117*	103*	97.0*	90.9*	60
64	163	161	159	157	150	133	115	101*	95.7*	89.6*	64
68	150	148	146	144	143	131	114	100	94.4*	88.3*	68
72	138	136	135	133	131	129	112	99.4	93.0	87.0	72
76	128	126	125	123	121	119	111	98.0	91.7	85.7	76
80	119	117	115	113	112	110	109	96.6	90.3	84.4	80
84	110	108	107	105	104	102	101	95.2	89.0	83.1	84
88	103	101	99.8	97.9	96.4	94.5	93.5	91.6	87.6	81.8	88
92	96.2	94.3	92.9	91.0	89.5	87.5	86.6	84.6	83.5	80.5	92
96	89.8	87.9	86.5	84.6	83.1	81.2	80.2	78.3	77.1	76.3	96
100	83.9	82.1	80.6	78.7	77.2	75.3	74.4	72.4	71.3	70.5	100
104	78.5	76.6	75.2	73.3	71.8	69.9	69.0	67.0	65.9	65.1	104
108	73.4	71.6	70.2	68.3	66.8	64.9	64.0	62.0	60.8	60.0	108
112	68.7	66.9	65.5	63.6	62.1	60.2	59.3	57.4	56.2	55.4	112
116	64.3	62.5	61.1	59.3	57.8	55.9	55.0	53.0	51.8	51.1	116
120	60.2	58.4	57.0	55.2	53.7	51.8	50.9	49.0	47.8	47.0	120
124	56.3	54.6	53.2	51.4	49.9	48.0	47.1	45.2	44.0	43.2	124
128	52.6	50.9	49.6	44.8	46.3	44.4	43.5	41.6	40.4	39.6	128
132	49.0	47.5	46.2	36.3	42.9	41.0	40.2	38.2	37.1	36.3	132
136		44.1	42.9	36.3	39.7	37.9	37.0	35.1	33.9	33.1	136
140			39.8	36.3	36.7	34.8	34.0	32.1	30.9	30.1	140
144			36.8	35.2	33.8	32.0	31.1	29.2	28.1	27.3	144
148				32.3	31.0	29.2	28.4	26.5	25.4	24.6	148
152					28.4	26.6	25.8	24.0	22.8	22.1	152
156					25.8	24.1	23.4	21.5	20.4	19.6	156
160						21.7	21.0	19.2	18.0	17.3	160
164							18.7	16.9	15.8	15.1	164
168							16.4	14.7	13.6	12.9	168
172								12.6	11.5	10.8	172
176									9.5	8.8	176
180										6.8	180

HJFJDB_9 Configuration

Boom combination in HJFJDB_9

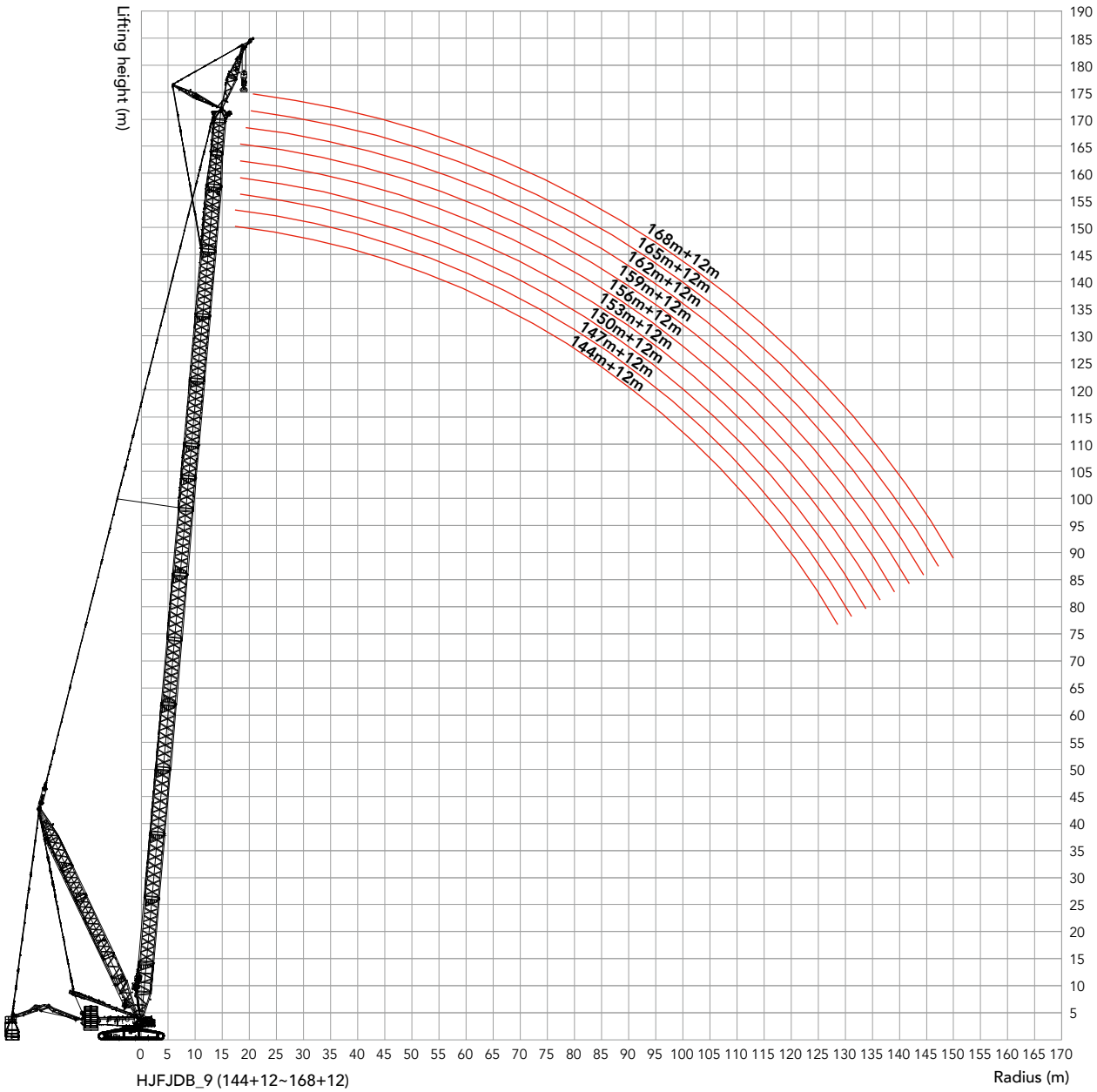
Boom length (m)	Power boom						Boom insert			Jib insert	
	12m lower transition section	12mA	12mB	12mC	12mD	12m upper transition section	3m	6m	12mB	6m	
144	1	2	2	2	1	1	-	-	-	1	Fixed Jib 12m
147	1	2	2	2	1	1	1	-	-	1	
150	1	2	2	2	1	1	-	1	-	1	
153	1	2	2	2	1	1	1	1	-	1	
156	1	2	2	2	1	1	-	-	1	1	
159	1	2	2	2	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 10.5m boom base, 12m 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



HJFJDB_9 (144+12~168+12)

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.

HJFJDB_9 Configuration 1/4

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

Radius(m)	144	147	150	153	156	159	162	165	168	Radius(m)
18	168									18
19	159	156	153	150	149					19
20	150	147	145	142	140	138	135	130	123	20
22	135	132	130	127	126	123	121	119	117	22
24	121	119	117	114	113	111	109	106	104	24
26	109	107	105	103	102	99.8	98.1	95.9	94.2	26
28	98.0	96.8	95.5	93.3	92.2	90.0	88.4	86.2	84.6	28
30	86.1	84.9	84.3	83.1	82.9	81.1	79.6	77.6	76.0	30
32	75.8	74.6	74.0	72.7	72.6	71.3	70.7	69.4	68.3	32
34	66.8	65.6	64.9	63.7	63.5	62.2	61.6	60.3	59.6	34
36	58.8	57.6	56.9	55.7	55.5	54.2	53.5	52.3	51.5	36
38	51.8	50.5	49.8	48.6	48.3	47.1	46.4	45.1	44.4	38
40	45.4	44.1	43.4	42.2	42.0	40.7	40.0	38.7	37.9	40
44	34.5	33.2	32.5	31.2	31.0	29.7	29.0	27.7	26.9	44
48	25.5	24.2	23.5	22.2	21.9	20.6	19.9	18.6	17.8	48
52	17.9	16.6	15.9	14.5	14.3	13.0	12.2	10.9	10.1	52
56	16.8	15.5	14.7	13.4	7.8	6.4	5.7	4.4	3.6	56
60	10.7	9.4	8.7	7.4	7.1	5.8	5.1	3.8		60
64	5.5	4.2	3.4	2.1	1.9	0.5				64
68	0.8									68

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.

HJFJDB_9 Configuration 2/4

Boom length 144~168m, Jib length 12m, Jib offset angle 15° , Superlift Radius 18m, Superlift CW 150t, Rear CW 230t, Carbody CW 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	171	168	166	159	151	142	134	127	120	32
34	159	156	155	152	150	141	134	126	119	34
36	148	146	144	142	141	138	133	126	118	36
38	137	135	134	132	131	129	127	125	118	38
40	126	124	124	123	122	120	119	117	115	40
44	107	106	105	104	104	102	102	100	100	44
48	92.2	90.9	90.2	88.9	88.7	87.4	86.7	85.4	84.6	48
52	79.3	78.0	77.2	75.9	75.7	74.4	73.7	72.4	71.6	52
56	73.6	72.3	71.6	70.3	64.6	63.3	62.6	61.3	60.5	56
60	63.6	62.3	61.6	60.3	60.1	58.7	58.0	56.7	50.9	60
64	54.9	53.6	52.9	51.6	51.4	50.0	49.3	48.0	47.2	64
68	47.3	46.0	45.3	43.9	43.7	42.4	41.6	40.3	39.5	68
72	40.5	39.2	38.5	37.2	36.9	35.6	34.8	33.5	32.7	72
76	38.1	33.1	32.4	31.1	30.9	29.5	28.8	27.4	26.6	76
80	32.5	31.1	30.4	29.1	25.4	24.0	23.3	22.0	21.2	80
84	27.3	26.0	25.3	24.0	23.8	22.4	18.4	17.0	16.2	84
88	22.6	21.3	20.6	19.3	19.1	17.7	17.0	15.7	14.9	88
92	18.4	17.1	16.3	15.0	14.8	13.5	12.7	11.4	10.6	92
96	14.5	13.1	12.4	11.1	10.9	9.5	8.8	7.5	6.7	96
100	10.9	9.5	8.8	7.5	7.3	5.9	5.2	3.9	3.1	100
104	7.5	6.2	5.5	4.2	3.9	2.6	1.9	0.5		104
108	4.4	3.1	2.4	1.1	0.9					108
112	1.5									112

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.

HJFJDB_9 Configuration 3/4

Boom length 144~168m, Jib length 12m, Jib offset angle 15° , Superlift Radius 20m, Superlift CW 300t, Rear CW 230t, Carbody CW 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	182	176	166	157	147	138	131	123	116	44
48	161	160	159	156	145	137	129	122	114	48
52	143	142	141	140	140	136	128	120	113	52
56	128	127	126	125	125	124	123	119	112	56
60	115	114	113	112	112	111	110	109	108	60
64	104	102	102	101	100	99.6	99.0	97.8	97.0	64
68	94.0	92.9	92.2	91.0	90.8	89.6	88.9	87.7	87.0	68
72	85.1	84.0	83.3	82.1	81.9	80.7	80.0	78.8	78.1	72
76	77.2	76.0	75.3	74.1	73.9	72.7	72.0	70.8	70.1	76
80	70.0	68.8	68.2	67.0	66.7	65.5	64.9	63.7	62.9	80
84	63.5	62.3	61.7	60.5	60.3	59.0	58.4	57.2	56.4	84
88	57.6	56.4	55.8	54.6	54.4	53.1	52.5	51.3	50.5	88
92	52.2	51.1	50.4	49.2	49.0	47.7	47.1	45.9	45.2	92
96	47.3	46.1	45.4	44.3	44.0	42.8	42.1	40.9	40.2	96
100	42.7	41.6	40.9	39.7	39.5	38.3	37.6	36.4	35.7	100
104	38.5	37.3	36.7	35.5	35.3	34.1	33.4	32.2	31.5	104
108	34.6	33.4	32.8	31.6	31.4	30.2	29.5	28.3	27.6	108
112	31.0	29.8	29.2	28.0	27.8	26.5	25.9	24.7	23.9	112
116	27.6	26.4	25.8	24.6	24.4	23.2	22.5	21.3	20.6	116
120	24.4	23.2	22.6	21.4	21.2	20.0	19.3	18.1	17.4	120
124	21.4	20.3	19.6	18.4	18.2	17.0	16.4	15.2	14.5	124
128	18.6	17.5	16.8	15.7	15.5	14.2	13.6	12.4	11.7	128
132	16.0	14.8	14.2	13.0	12.8	11.6	11.0	9.7	8.9	132
136	13.5	12.3	11.7	10.4	10.2	8.9	8.2	6.9	6.1	136
140	11.0	9.7	9.0	7.8	7.6	6.3	5.6	4.3	3.5	140
144	8.4	7.1	6.5	5.2	5.1	3.7	3.1	1.8	1.0	144
148	3.7	4.7	4.1	2.8	2.7	1.3	0.7			148
152	1.5			0.5	0.4					152

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.

HJFJDB_9 Configuration 4/4

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

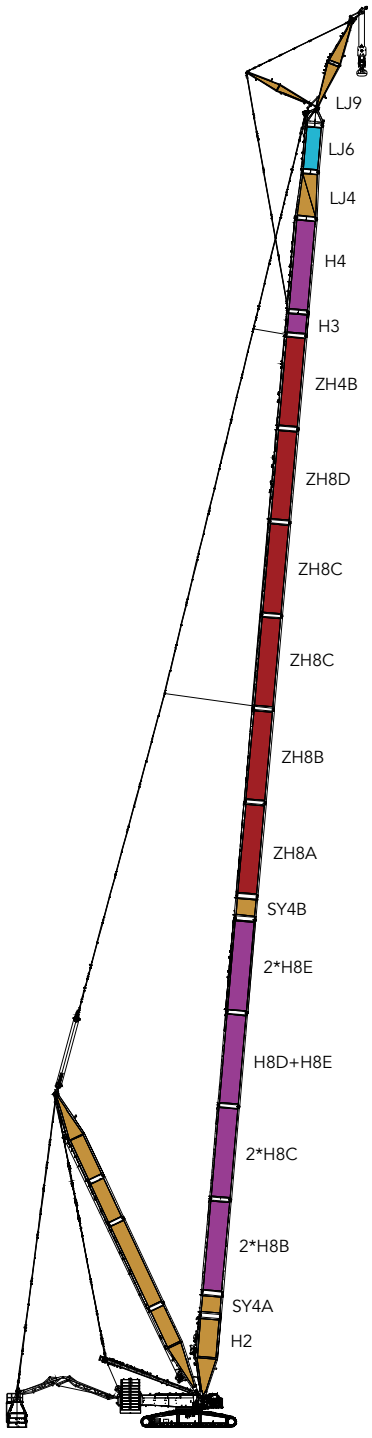
Radius(m)	144	147	150	153	156	159	162	165	168	Radius(m)
18	181*									18
19	181*	173*	165*	158*	150*					19
20	181*	173*	165*	158*	150*	142*	135*	130*	123*	20
22	181*	174*	166*	158*	150*	143*	136*	130*	123*	22
24	183*	174*	167*	159*	150*	144*	137*	129*	122*	24
26	183*	175*	167*	159*	151*	144*	136*	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	166	160	150	141	133	125	117	110	60
64	152	151	151	149	139	131	124	116	109	64
68	139	138	138	136	136	130	122	115	107	68
72	128	127	126	125	125	124	121	113	106	72
76	118	117	116	115	114	113	113	111	105	76
80	108	107	107	105	105	104	103	102	101	80
84	100	99.4	98.7	97.5	97.3	96.1	95.4	94.2	93.5	84
88	93.0	91.8	91.1	89.9	89.7	88.5	87.8	86.6	85.9	88
92	86.0	84.8	84.2	83.0	82.7	81.5	80.9	79.7	78.9	92
96	79.6	78.5	77.8	76.6	76.4	75.2	74.5	73.3	72.6	96
100	73.8	72.6	71.9	70.7	70.5	69.3	68.6	67.4	66.7	100
104	68.4	67.2	66.5	65.3	65.1	63.9	63.2	62.0	61.3	104
108	63.3	62.2	61.5	60.3	60.1	58.9	58.2	57.0	56.3	108
112	58.7	57.5	56.8	55.7	55.4	54.2	53.6	52.4	51.6	112
116	54.3	53.1	52.5	51.3	51.1	49.9	49.2	48.0	47.3	116
120	50.2	49.1	48.4	47.2	47.0	45.8	45.2	44.0	43.2	120
124	46.4	45.3	44.6	43.4	43.2	42.0	41.4	40.2	39.4	124
128	42.8	41.7	41.0	39.9	39.6	38.4	37.8	36.6	35.9	128
132	39.4	38.3	37.6	36.5	36.3	35.1	34.4	33.2	32.5	132
136	36.2	35.1	34.5	33.3	33.1	31.9	31.2	30.1	29.3	136
140	33.2	32.1	31.4	30.3	30.1	28.9	28.2	27.1	26.4	140
144	30.3	29.2	28.6	27.4	27.2	26.0	25.4	24.2	23.5	144
148	27.6	26.4	25.8	24.7	24.5	23.3	22.7	21.5	20.8	148
152	24.9	23.8	23.2	22.1	21.9	20.8	20.1	19.0	18.3	152
156	22.3	21.3	20.7	19.6	19.5	18.3	17.7	16.5	15.8	156
160			18.3	17.2	17.1	15.9	15.3	14.2	13.5	160
164				14.8	14.8	13.7	13.1	11.9	11.3	164
168					12.5	11.4	10.9	9.8	9.1	168
172							8.8	7.7	7.0	172
176								5.6	5.0	176
180									2.8	180

HJFJDB_SY4 Configuration

Boom combination in HJFJDB_SY4

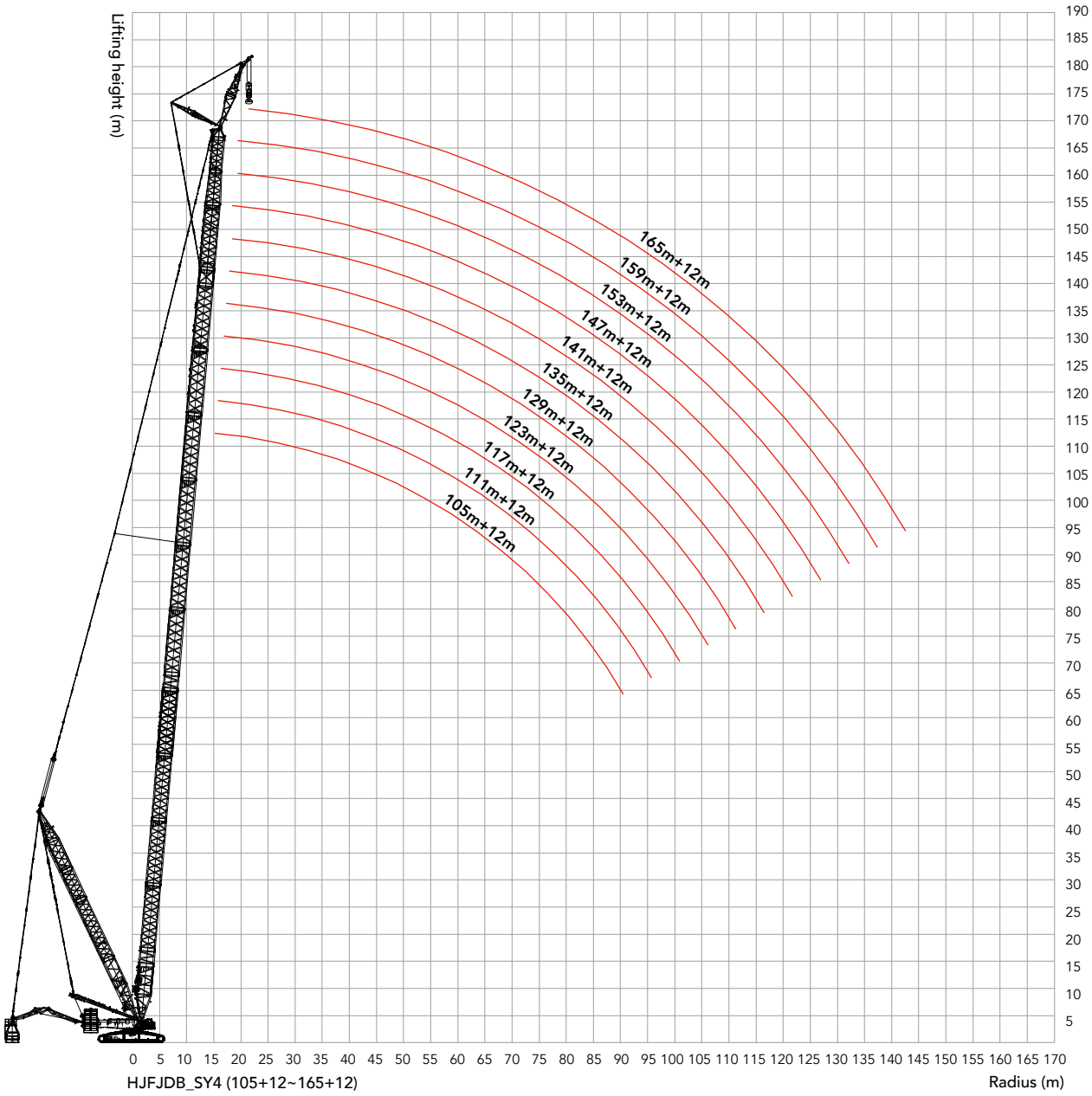
Boom length (m)	Power boom				Boom insert						
	12mA	12mB	12mC	12mD	3m	6m	12mB	12mC	12mD	12mE	
105	-	-	-	-	1	-	2	2	1	3	Fixed Jib 12m
111	-	-	-	-	1	1	2	2	1	3	
117	1	-	-	-	1	-	2	2	1	3	
123	1	-	-	-	1	1	2	2	1	3	
129	1	-	1	-	1	-	2	2	1	3	
135	1	-	1	-	1	1	2	2	1	3	
141	1	-	1	1	1	-	2	2	1	3	
147	1	-	1	1	1	1	2	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 10.5m boom base, 12m 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.

HJFJDB_SY4 Configuration 1/4

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

Radius(m)	105	111	117	123	129	135	141	147	153	159	165	Radius(m)
15	240											15
16	233	226	217									16
17	219	213	204	198	191							17
18	207	200	192	186	180	174	169					18
19	193	189	181	176	170	164	159	154	148			19
20	179	178	171	166	160	155	150	145	140	135	129	20
22	156	155	151	149	143	139	135	130	125	120	114	22
24	137	136	132	131	128	125	121	117	112	108	102	24
26	121	120	116	114	112	110	109	105	100	96.9	91.6	26
28	107	106	102	101	98.7	97.1	95.9	94.2	90.7	87.0	81.8	28
30	96.2	94.8	91.0	89.4	86.9	85.2	84.1	82.3	79.7	78.0	73.1	30
32	86.2	84.7	80.8	79.2	76.6	75.0	73.8	72.0	69.4	67.6	64.2	32
34	77.3	75.8	71.9	70.3	67.7	66.0	64.7	62.9	60.3	58.5	55.0	34
36	69.5	68.0	64.0	62.4	59.7	58.0	56.8	55.0	52.3	50.5	47.0	36
38	62.6	61.0	57.0	55.3	52.7	51.0	49.7	47.9	45.2	43.3	39.8	38
40	64.0	54.8	50.8	49.1	46.4	44.6	43.3	41.5	38.8	36.9	33.4	40
44	52.5	51.0	46.9	38.3	35.5	33.8	32.5	30.6	27.8	25.9	22.3	44
48	43.0	41.4	37.3	35.6	32.9	24.8	23.4	21.5	18.8	16.8	13.2	48
52	35.0	33.3	29.2	27.5	24.8	23.0	21.7	13.9	11.1	9.2	5.5	52
56	33.2	26.5	22.3	20.6	17.8	16.0	14.7	12.8	10.0	2.7		56
60	26.9	25.2	16.4	14.6	11.8	10.0	8.7	6.7	3.9	2.0		60
64	21.3	19.6	15.5	9.4	6.6	4.8	3.4	1.5				64
68	16.4	14.7	10.6	8.8	6.1							68
72	12.0	10.3	6.2	4.5	1.7							72
76	8.1	6.4	2.3	0.5								76
80	4.6	2.9										80
84	1.3											84

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.

HJFJDB_SY4 Configuration 2/4

Boom length 105~165m, Jib length 12m, Jib offset angle 15° , Superlift Radius 18m, Superlift CW 150t, Rear CW 230t, Carbody CW 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	238	232	226	221	216	202	189	172	164	26
28	225	224	220	214	208	203	199	194	188	172	165	28
30	205	204	200	198	193	188	184	179	174	169	163	30
32	188	186	182	181	178	175	171	166	161	157	151	32
34	172	171	167	166	163	161	159	154	149	145	140	34
36	159	158	154	152	149	148	147	144	139	135	130	36
38	147	146	142	140	137	136	134	133	129	126	120	38
40	144	135	131	129	127	125	124	122	119	117	112	40
44	125	123	119	111	108	106	105	103	100	99.1	95.5	44
48	109	107	103	102	99.5	91.4	90.1	88.2	85.5	83.6	80.0	48
52	96.2	94.5	90.5	88.8	86.1	84.3	83.0	75.3	72.5	70.6	67.0	52
56	88.2	83.1	79.0	77.3	74.6	72.8	71.5	69.6	66.8	59.5	55.8	56
60	78.6	77.1	69.1	67.4	64.7	62.9	61.5	59.6	56.9	54.9	51.3	60
64	70.3	68.7	64.9	58.8	56.0	54.2	52.9	51.0	48.2	46.2	42.5	64
68	62.7	61.0	56.9	55.2	52.5	46.6	45.2	43.3	40.5	38.5	34.8	68
72	55.7	54.0	49.9	48.2	45.5	43.7	38.5	36.5	33.7	31.7	28.0	72
76	49.4	47.7	43.6	41.9	39.2	37.4	36.1	30.5	27.6	25.7	21.9	76
80	43.7	42.0	37.9	36.2	33.5	31.7	30.4	28.5	25.7	20.2	16.5	80
84	38.6	36.9	32.8	31.1	28.3	26.6	25.2	23.3	20.5	18.6	11.5	84
88	33.9	32.2	28.1	26.4	23.7	21.9	20.6	18.6	15.8	13.9	10.2	88
92	29.6	27.9	23.8	22.1	19.4	17.6	16.3	14.4	11.6	9.6	5.9	92
96	25.6	24.0	19.9	18.2	15.5	13.7	12.4	10.5	7.6	5.7	2.0	96
100	22.0	20.4	16.2	14.6	11.8	10.1	8.8	6.8	4.0	2.1		100
104	18.6	17.0	12.9	11.2	8.5	6.7	5.4	3.5	0.7			104
108	12.0	13.8	9.7	8.1	5.4	3.6	2.3	0.4				108
112	9.4	10.8	6.8	5.2	2.5	0.7						112
116	6.9	5.1	4.0	2.4								116
120		2.7										120

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.

HJFJDB_SY4 Configuration 3/4

Boom length 105~165m, Jib length 12m, Jib offset angle 15° , Superlift Radius 20m, Superlift CW 300t, Rear CW 230t, Carbody CW 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	231	230	226	224	222	215	219	200	188	168	162	38
40	217	215	211	210	208	206	205	199	187	168	161	40
44	192	190	186	185	182	181	180	178	175	166	159	44
48	171	169	166	164	162	160	159	157	155	153	150	48
52	153	152	148	146	144	142	141	139	137	135	132	52
56	138	137	133	131	129	127	126	124	122	120	117	56
60	125	124	120	118	116	114	113	111	109	107	104	60
64	114	112	109	107	105	103	102	100	97.9	96.1	92.8	64
68	104	102	99.1	97.5	95.0	93.4	92.2	90.4	87.9	86.1	82.8	68
72	95.5	93.9	90.2	88.6	86.1	84.5	83.3	81.5	79.0	77.2	73.9	72
76	87.5	86.0	82.2	80.6	78.2	76.5	75.3	73.5	71.0	69.2	65.9	76
80	80.4	78.8	75.1	73.5	71.0	69.4	68.1	66.4	63.8	62.1	58.7	80
84	73.9	72.3	68.6	67.0	64.5	62.9	61.6	59.9	57.3	55.6	52.2	84
88	68.0	66.4	62.7	61.1	58.6	57.0	55.7	54.0	51.5	49.7	46.3	88
92	62.5	61.0	57.3	55.7	53.2	51.6	50.4	48.6	46.1	44.3	40.9	92
96	57.6	56.0	52.3	50.7	48.3	46.6	45.4	43.7	41.1	39.4	36.0	96
100	53.0	51.4	47.7	46.2	43.7	42.1	40.9	39.1	36.6	34.8	31.5	100
104	48.7	47.2	43.5	42.0	39.5	37.9	36.7	34.9	32.4	30.6	27.3	104
108	44.7	43.2	39.6	38.0	35.6	34.0	32.8	31.0	28.5	26.7	23.4	108
112	41.0	39.6	35.9	34.4	31.9	30.3	29.1	27.4	24.8	23.1	19.7	112
116	37.4	35.7	32.4	30.9	28.5	26.9	25.7	24.0	21.5	19.7	16.4	116
120		32.3	28.1	27.7	25.3	23.7	22.6	20.8	18.3	16.5	13.2	120
124			24.9	24.7	22.3	20.7	19.6	17.9	15.3	13.6	10.2	124
128			21.9	20.1	19.5	17.9	16.8	15.1	12.5	10.8	7.1	128
132				17.3	14.5	15.2	14.1	12.4	9.7	7.8	4.1	132
136					11.9	12.7	11.5	9.7	6.9	5.0	1.3	136
140					9.3	7.6	8.8	7.0	4.3	2.4		140
144						5.1	3.9	4.5	1.7			144
148							1.6	2.0				148

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.

HJFJDB_SY4 Configuration 4/4

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

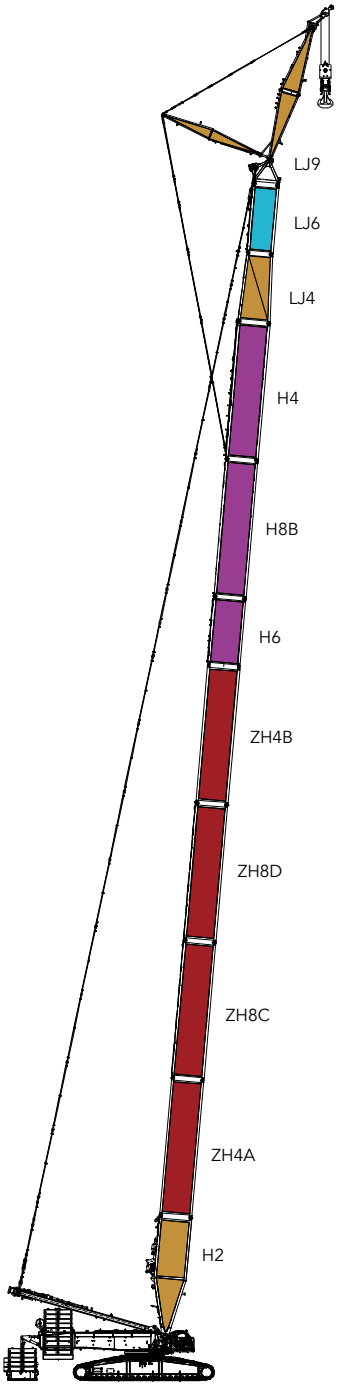
Radius(m)	105	111	117	123	129	135	141	147	153	159	165	Radius(m)
15	240*											15
16	240*	240*	240*									16
17	240*	240*	240*	240*	240*							17
18	240*	240*	240*	240*	240*	238*	220*					18
19	240*	240*	240*	240*	240*	238*	220*	199*	187*			19
20	240*	240*	240*	240*	240*	238*	220*	199*	187*	171*	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	207	195	185	195	191	181	162	155	52
56	188	193	189	187	185	179	182	180	178	160	153	56
60	177	176	172	171	168	166	165	163	161	158	151	60
64	163	161	157	156	153	152	151	149	146	144	141	64
68	150	148	145	143	140	139	138	136	133	132	128	68
72	138	137	133	131	129	127	126	124	122	120	117	72
76	128	127	123	121	119	117	116	114	112	110	106	76
80	119	117	114	112	109	108	107	105	102	101	97.6	80
84	110	109	105	104	101	99.9	98.7	96.9	94.4	92.6	89.3	84
88	103	101	98.0	96.4	93.9	92.3	91.1	89.3	86.8	85.0	81.7	88
92	96.3	94.8	91.1	89.5	87.0	85.4	84.1	82.4	79.8	78.1	74.7	92
96	89.9	88.4	84.7	83.1	80.6	79.0	77.8	76.0	73.5	71.7	68.4	96
100	84.0	82.5	78.8	77.2	74.8	73.1	71.9	70.2	67.6	65.8	62.5	100
104	78.5	77.0	73.3	71.8	69.3	67.7	66.5	64.8	62.2	60.4	57.1	104
108	73.4	72.0	68.3	66.8	64.3	62.7	61.5	59.7	57.2	55.4	52.1	108
112	68.7	67.2	63.6	62.1	59.6	58.0	56.8	55.1	52.5	50.8	47.4	112
116	64.1	62.8	59.2	57.7	55.2	53.6	52.5	50.7	48.2	46.4	43.1	116
120		58.6	55.0	53.6	51.1	49.6	48.4	46.7	44.1	42.4	39.0	120
124			51.1	49.7	47.3	45.7	44.6	42.8	40.3	38.6	35.2	124
128			47.3	46.0	43.7	42.1	41.0	39.3	36.7	35.0	31.6	128
132				42.5	40.2	38.7	37.6	35.9	33.4	31.6	28.3	132
136					36.9	35.5	34.4	32.7	30.2	28.5	25.1	136
140					33.8	32.4	31.3	29.7	27.2	25.4	22.1	140
144						29.4	28.4	26.8	24.3	22.6	19.3	144
148							25.6	24.0	21.6	19.9	16.6	148
152							22.9	21.4	19.0	17.3	14.0	152
156								18.9	16.5	14.9	11.6	156
160									14.1	12.5	9.2	160
164									11.7	10.2	7.0	164
168										8.0	4.6	168
172											2.4	172

HJFJ_4 Configuration

Boom combination in HJFJ_4

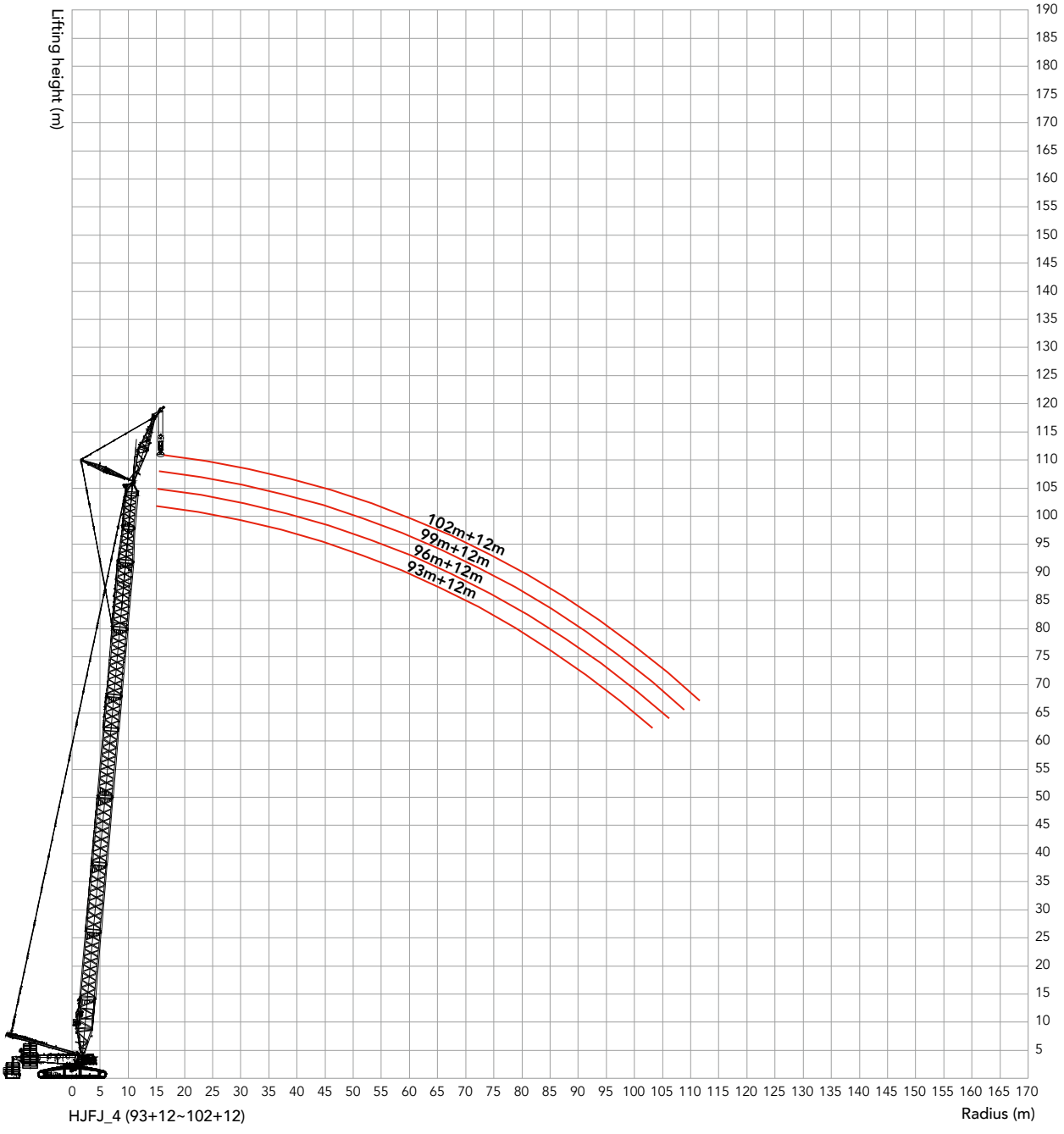
Boom length (m)	Power boom				Boom insert			Jib insert	
	12m lower transition section	12mC	12mD	12m upper transition section	3m	6m	12mB	6m	
93	1	1	1	1	1	1	-	1	Fixed Jib 12m
96	1	1	1	1	-	-	1	1	
99	1	1	1	1	1	-	1	1	
102	1	1	1	1	-	1	1	1	

Note: The 10.5m boom base, 12m 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.

HJFJ_4 Configuration

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

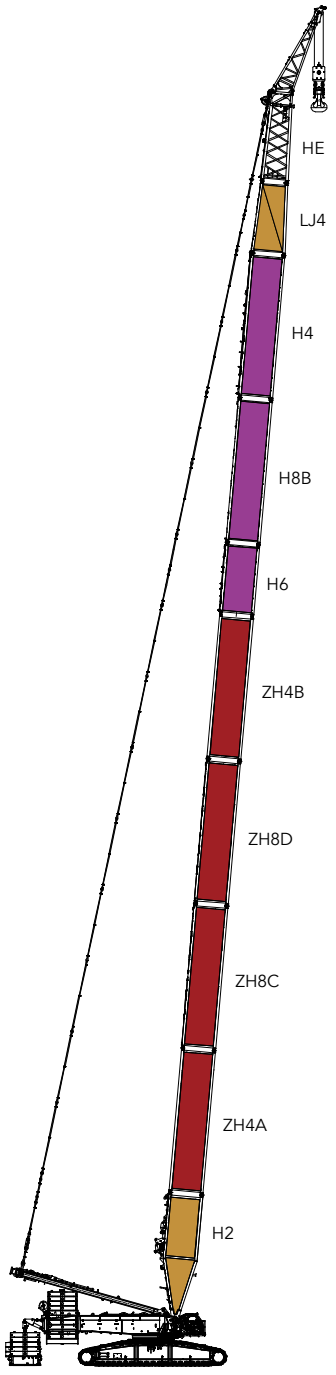
Radius(m)	93	96	99	102	Radius(m)
14	240	240	240		14
15	240	240	240	227	15
16	240	240	240	227	16
17	240	240	238	224	17
18	240	239	235	222	18
19	229	226	223	219	19
20	217	215	211	208	20
22	196	194	191	188	22
24	178	176	173	171	24
26	162	161	158	156	26
28	146	146	144	143	28
30	133	132	131	130	30
32	121	121	119	118	32
34	111	110	109	108	34
36	109	101	100	99.6	36
38	102	101	99.2	91.6	38
40	94.8	94.3	92.5	90.9	40
44	81.6	81.1	79.7	78.8	44
48	70.7	70.1	68.8	67.9	48
52	63.4	63.1	59.6	58.7	52
56	55.3	54.9	53.8	53.1	56
60	48.3	47.9	46.9	46.1	60
64	42.2	41.9	40.8	40.1	64
68	36.9	36.6	35.5	34.8	68
72	32.3	31.9	30.8	30.1	72
76	28.1	27.7	26.6	25.9	76
80	24.4	24.0	22.9	22.2	80
84	21.0	20.6	19.5	18.2	84
88	17.9	17.6	16.0	14.4	88
92	15.1	14.3	12.3	10.2	92
96	8.8	10.5	8.0	6.4	96
100	6.4	6.0	4.7	3.0	100
104	4.2	3.8	2.5	1.6	104
108		1.7	0.5		108

HJHE_4 Configuration

Boom combination in HJHE_4

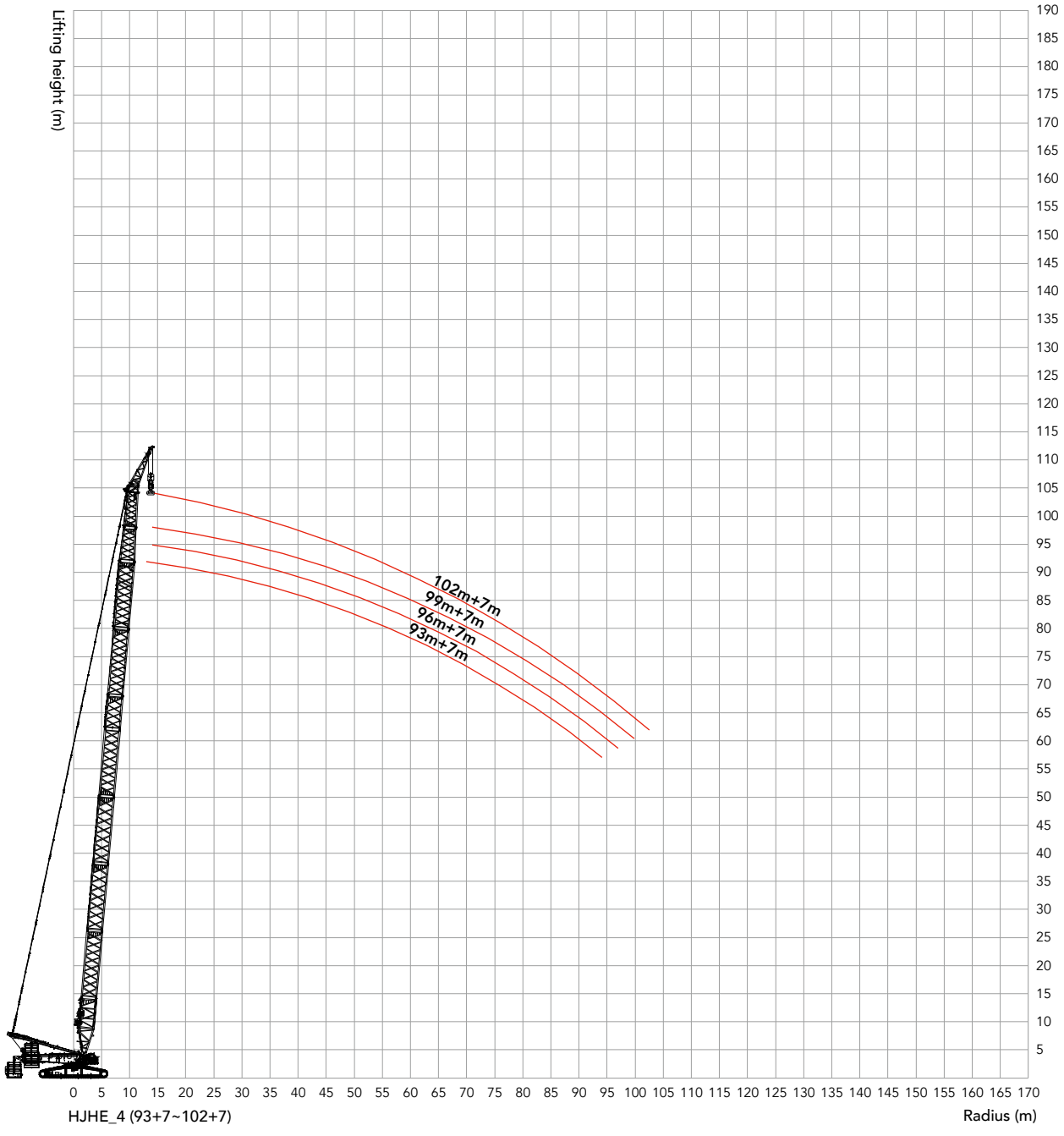
Boom length (m)	Power boom				Boom insert			Jib insert	
	12m lower transition section	12mC	12mD	12m upper transition section	3m	6m	12mB	6m	
93	1	1	1	1	1	1	-	1	Eagle tip 7m
96	1	1	1	1	-	-	1	1	
99	1	1	1	1	1	-	1	1	
102	1	1	1	1	-	1	1	1	

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

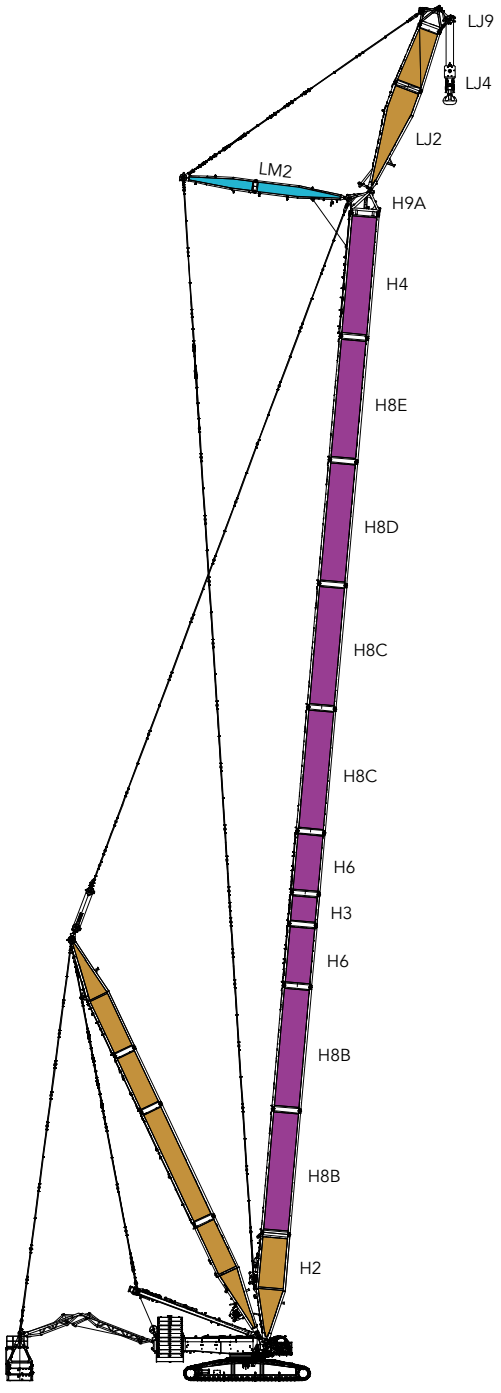
Note:
1. The rated load in the load chart is calculated complying with EN 13000;
2. The working radius is the horizontal distance from the load center to the swing center;
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart;
4. 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.

HJHE_4 Configuration					
Boom length 93~102m, Rear CW 230t, Additional rear counterweight 80t, Carbody CW 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	148	148	147	146	28
30	135	135	133	132	30
32	123	123	122	121	32
34	113	113	111	111	34
36	113	104	102	102	36
38	104	104	102	94.0	38
40	97.0	96.6	95.2	94.4	40
44	83.9	83.5	82.1	81.2	44
48	73.0	72.6	71.2	70.3	48
52	64.9	64.6	62.1	61.2	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

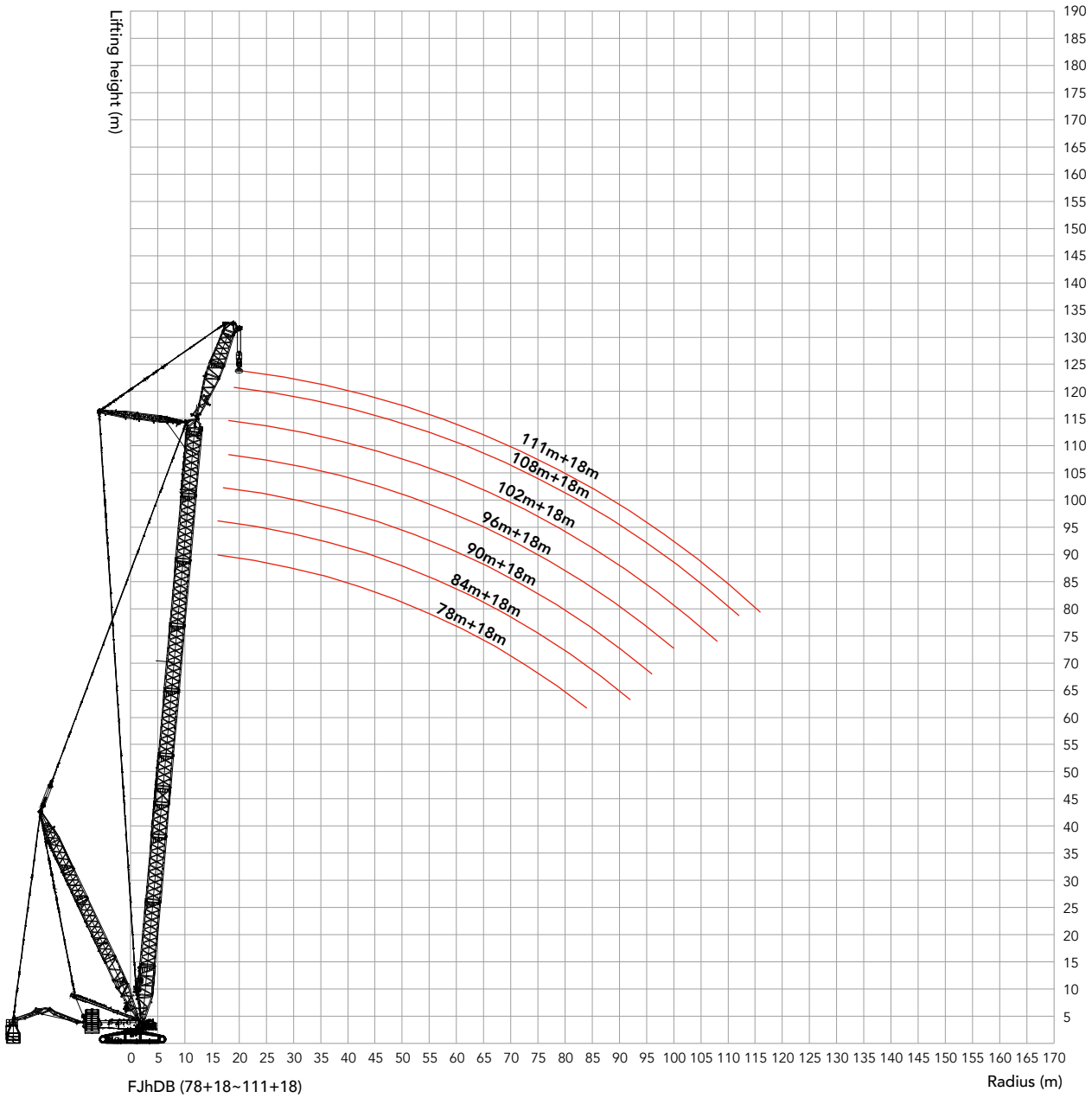
Boom combination in FJhDB							
Boom length (m)	Boom insert						
	3m	6m	12mB	12mC	12mD	12mE	
78	-	1	2	2	-	-	Heavy jib 18m
84	-	2	2	2	-	-	
90	-	1	2	2	1	-	
96	-	2	2	2	1	-	
102	-	1	2	2	1	1	
108	-	2	2	2	1	1	
111	1	2	2	2	1	1	

Note: The 10.5m boom base, 12m 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.

FJhDB Configuration 1/4

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

Radius(m)	78	84	90	96	102	108	111	Radius(m)
16	245	242						16
17	225	225	209					17
18	208	207	207	187	161			18
19	193	192	192	187	161	144	135	19
20	179	178	178	177	161	144	135	20
22	156	154	154	153	154	143	135	22
24	137	135	135	134	134	133	133	24
26	121	119	119	117	118	117	116	26
28	107	105	105	104	104	103	102	28
30	95.9	94.2	93.7	92.2	92.4	91.0	90.1	30
32	95.7	84.0	83.4	81.9	82.0	80.5	79.6	32
34	86.2	84.3	74.5	72.9	72.9	71.3	70.4	34
36	77.7	75.9	75.2	64.9	64.9	63.2	62.3	36
38	70.2	68.3	67.7	66.0	57.7	56.0	55.0	38
40	63.5	61.6	60.9	59.2	59.0	49.5	48.5	40
44	58.6	49.9	49.2	47.4	47.2	45.4	44.4	44
48	48.3	46.3	39.5	37.6	37.4	35.5	34.5	48
52	39.6	37.6	36.8	35.0	29.1	27.2	26.1	52
56	32.2	30.2	29.3	27.5	27.1	20.1	19.0	56
60	25.8	23.7	22.8	21.0	20.6	18.7	17.6	60
64	20.1	18.0	17.2	15.2	14.8	12.9	11.8	64
68	15.1	13.0	12.1	10.2	9.8	7.8	6.7	68
72	10.6	8.5	7.6	5.7	5.3	3.3	2.2	72
76	6.6	4.5	3.6	1.7	1.2			76
80		0.8						80

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.

FJhDB Configuration 2/4

Boom length 78~111m, Jib length 18m, Jib offset angle 15° , Superlift Radius 18m, Superlift CW 150t, Rear CW 230t, Carbody CW 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	275	246	212	189	162	143	134	24
26	248	246	212	190	161	142	134	26
28	224	223	213	190	160	142	133	28
30	204	203	202	190	159	141	132	30
32	197	185	185	183	158	140	131	32
34	181	179	170	168	157	139	130	34
36	167	165	165	154	154	138	129	36
38	155	153	152	151	142	137	128	38
40	143	141	141	139	139	130	127	40
44	131	122	121	120	120	118	117	44
48	114	112	105	104	103	102	101	48
52	100	98.7	97.9	96.2	90.3	88.4	87.4	52
56	88.7	86.7	85.9	84.1	83.8	76.7	75.7	56
60	78.3	76.3	75.5	73.7	73.3	71.4	70.4	60
64	69.3	67.2	66.4	64.5	64.2	62.3	61.2	64
68	61.3	59.2	58.4	56.5	56.1	54.2	53.1	68
72	54.1	52.1	51.2	49.3	48.9	47.0	45.9	72
76	47.7	45.7	44.8	43.0	42.5	40.5	39.4	76
80	36.5	39.9	39.1	37.2	36.7	34.7	33.6	80
84	31.8	34.6	33.8	32.0	31.4	29.5	28.3	84
88		25.1	29.0	27.2	26.7	24.7	23.5	88
92		21.1	20.0	22.7	22.3	20.3	19.1	92
96			16.4	18.7	18.2	16.2	15.1	96
100				10.9	14.4	12.5	11.3	100
104					7.0	9.0	7.9	104
108					4.1	5.7	4.6	108
112							1.6	112

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.

FJhDB Configuration 3/4

Boom length 78~111m, Jib length 18m, Jib offset angle 15° , Superlift Radius 20m, Superlift CW 300t,
Rear CW 230t, Carbody CW 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	274	251	214	191	157*	139*	130*	34
36	256	251	214	190	156	138*	129*	36
38	239	237	214	189	155	137*	128*	38
40	224	222	213	188	154	136	127	40
44	198	196	196	185	151	134	125	44
48	177	175	174	173	149	131	123	48
52	159	157	156	154	146	129	120	52
56	144	142	141	139	138	126	118	56
60	130	128	127	126	125	123	116	60
64	119	117	116	114	113	111	110	64
68	108	106	105	103	103	101	100	68
72	99.5	97.5	96.6	94.7	94.1	92.2	91.2	72
76	91.3	89.3	88.4	86.5	85.9	84.0	82.9	76
80	81.3	81.8	80.9	79.0	78.4	76.6	75.5	80
84	74.3	75.0	74.2	72.3	71.7	69.8	68.7	84
88		65.7	68.0	66.1	65.5	63.7	62.6	88
92		59.9	58.8	60.5	59.9	58.0	57.0	92
96			53.5	55.3	54.7	52.9	51.8	96
100				46.5	49.9	48.1	47.0	100
104					41.3	43.3	42.2	104
108					37.0	38.7	37.6	108
112						30.9	33.3	112
116							26.0	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.

FJhDB Configuration 4/4

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

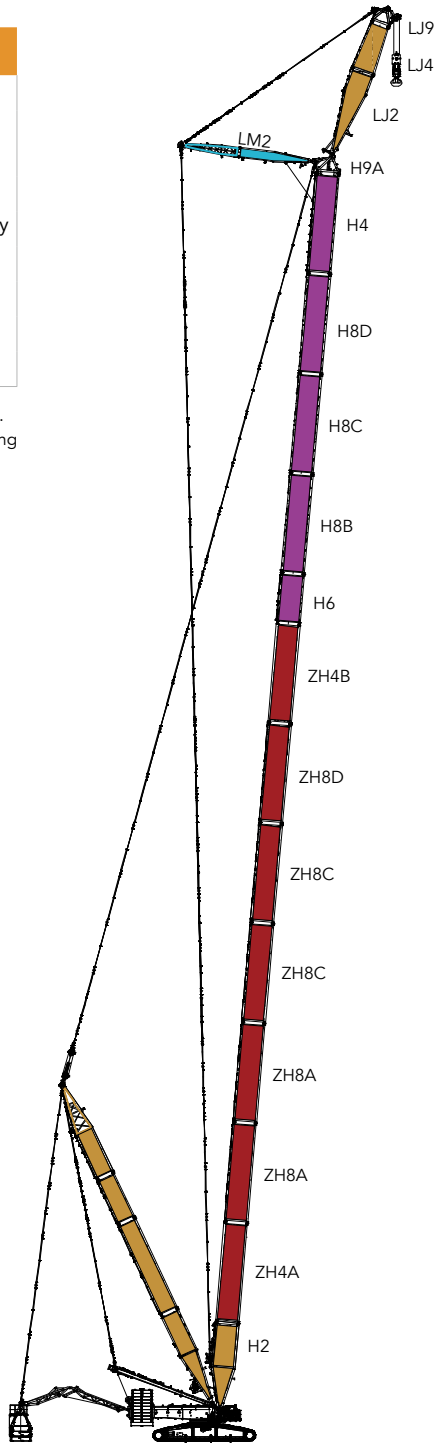
Radius(m)	78	84	90	96	102	108	111	Radius(m)
16	272*	242*						16
17	272*	242*	209*					17
18	272*	242*	209*	187*	161*			18
19	273*	243*	209*	187*	161*	144*	135*	19
20	275*	244*	210*	188*	161*	144*	135*	20
22	277*	244*	211*	188*	161*	143*	135*	22
24	278*	246*	212*	189*	162*	143*	134*	24
26	279*	247*	212*	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	270	251	209*	185*	151*	134*	125*	44
48	243	241	206	182*	149*	131*	123*	48
52	219	217	203	179	146*	129*	120*	52
56	200	198	197	176	144*	126*	118*	56
60	182	180	180	172	141	124*	116*	60
64	167	165	164	163	138	121*	114*	64
68	154	152	151	149	135	119	111	68
72	142	140	139	138	130	116	109	72
76	132	130	129	127	123	113	106	76
80	122	120	119	118	116	107	102	80
84	114	112	111	109	108	99.9	95.3	84
88		104	103	101	100	93.8	88.8	88
92		96.9	96.1	94.3	93.7	88.0	83.2	92
96			89.4	87.6	87.1	81.3	76.8	96
100				81.5	81.0	75.7	71.5	100
104					75.3	69.2	65.5	104
108					70.0	63.7	59.5	108
112						57.6	53.6	112
116							48.0	116

FJhDB_7 Configuration

Boom combination in FJhDB_7

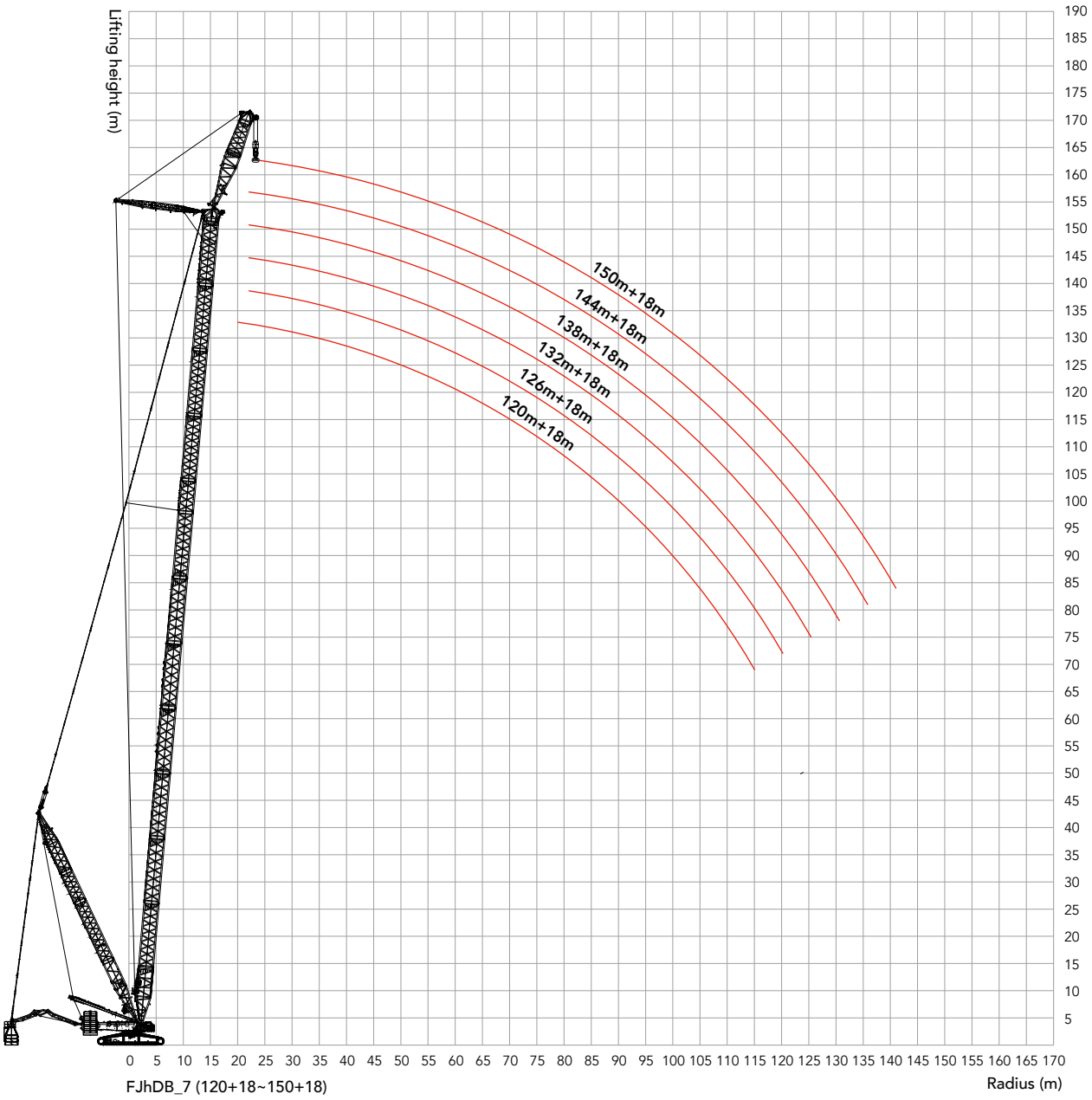
Boom length (m)	Power boom					Boom insert				
	12m lower transition section	12mA	12mC	12mD	12m upper transition section	6m	12mB	12mC	12mD	
120	1	2	2	1	1	-	-	1	-	Heavy jib 18m
126	1	2	2	1	1	1	-	1	-	
132	1	2	2	1	1	-	-	1	1	
138	1	2	2	1	1	1	-	1	1	
144	1	2	2	1	1	-	1	1	1	
150	1	2	2	1	1	1	1	1	1	

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



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.

FJhDB_7 Configuration 1/4

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

Radius(m)	120	126	132	138	144	150	Radius(m)
20	168						20
22	150	145	142	137	125		22
24	134	130	127	122	118	108	24
26	121	116	114	109	106	102	26
28	109	105	102	98.6	95.1	91.3	28
30	96.0	94.5	92.2	88.5	85.2	81.5	30
32	84.3	82.7	82.5	79.4	76.3	72.7	32
34	74.0	72.4	72.1	70.5	68.2	64.8	34
36	65.0	63.3	63.0	61.3	59.9	57.6	36
38	57.0	55.2	54.9	53.1	51.7	49.9	38
40	49.8	48.0	47.6	45.8	44.3	42.5	40
44	37.4	35.5	35.1	33.2	31.7	29.8	44
48	33.5	31.6	24.7	22.8	21.2	19.2	48
52	24.3	22.3	21.8	19.9	12.4	10.4	52
56	16.4	14.4	13.9	11.9	10.3	8.2	56
60	9.6	7.6	7.0	5.0	3.3	1.3	60
64	8.1	1.6	1.0				64
68	2.6	0.5					68

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.

FJhDB_7 Configuration 2/4

Boom length 120~150m, Jib length 18m, Jib offset angle 15° , Superlift Radius 18m, Superlift CW 150t, Rear CW 230t, Carbody CW 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	212	187	160	139	122	106	28
30	196	186	159	138	121	106	30
32	181	176	158	137	120	105	32
34	168	163	157	136	119	104	34
36	155	152	149	135	118	103	36
38	142	140	138	134	118	102	38
40	130	128	128	125	117	102	40
44	110	108	108	106	104	100	44
48	100	98.3	91.4	89.5	87.9	86.0	48
52	85.6	83.7	83.2	81.2	73.8	71.8	52
56	73.2	71.2	70.7	68.7	67.1	65.1	56
60	62.4	60.4	59.9	57.9	56.2	54.2	60
64	57.4	51.0	50.5	48.4	46.8	44.7	64
68	49.0	47.0	42.2	40.1	38.4	36.3	68
72	41.3	39.3	38.8	32.7	31.0	28.9	72
76	34.5	32.5	31.9	29.8	28.1	22.2	76
80	28.4	26.3	25.7	23.6	21.9	19.8	80
84	22.8	20.7	20.2	18.1	16.3	14.2	84
88	17.7	15.7	15.1	13.0	11.2	9.1	88
92	13.1	11.0	10.4	8.3	6.6	4.4	92
96	8.8	6.8	6.2	4.0	2.3		96
100	4.9	2.8	2.2				100
104	1.2						104

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.

FJhDB_7 Configuration 3/4

Boom length 120~150m, Jib length 18m, Jib offset angle 15° , Superlift Radius 20m, Superlift CW 300t, Rear CW 230t, Carbody CW 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	182	176	152	131	115	100	44
48	160	159	149	129	113	98.3	48
52	142	140	140	127	111	96.4	52
56	126	125	124	122	109	94.5	56
60	113	111	110	109	107	92.6	60
64	101	99.6	99.0	97.1	95.6	90.7	64
68	91.1	89.2	88.6	86.7	85.1	83.1	68
72	81.8	79.9	79.3	77.4	75.8	73.8	72
76	73.5	71.6	71.0	69.0	67.4	65.4	76
80	66.1	64.1	63.5	61.5	59.9	57.9	80
84	59.3	57.3	56.7	54.7	53.1	51.1	84
88	53.1	51.2	50.5	48.6	46.9	44.9	88
92	47.5	45.5	44.9	42.9	41.3	39.3	92
96	42.3	40.3	39.7	37.7	36.1	34.1	96
100	37.5	35.5	34.9	32.9	31.3	29.3	100
104	33.0	31.1	30.5	28.5	26.9	24.8	104
108	28.9	27.0	26.4	24.4	22.8	20.7	108
112	25.0	23.1	22.5	20.6	18.9	16.9	112
116	21.4	19.5	19.0	17.0	15.4	13.3	116
120	18.0	16.1	15.6	13.6	12.0	9.9	120
124	11.7	12.8	12.3	10.3	8.5	6.4	124
128		6.3	8.9	6.9	5.2	3.0	128
132			5.7	3.6	2.0		132
136				0.6			136

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.

FJhDB_7 Configuration 4/4

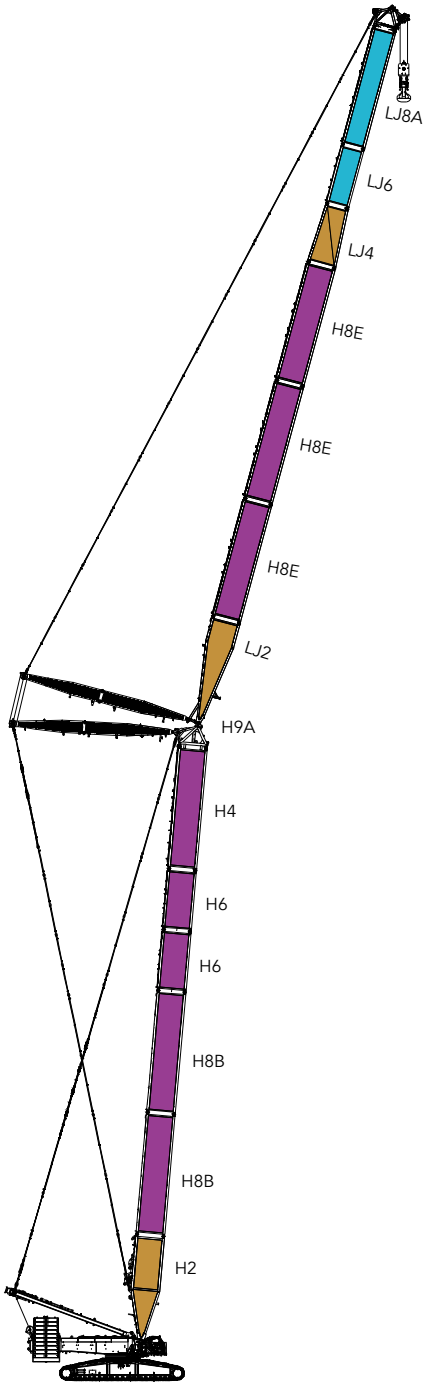
Boom length 120~150m, Jib length 18m, Jib offset angle 15° , Superlift Radius 22m, Superlift CW 440t, Rear CW 230t, Carbody CW 80t

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	165	151	142	122	107*	92.6*	60
64	150	141	139	120	105	90.7*	64
68	137	131	134	118	103	88.8	68
72	125	121	122	116	101	86.9	72
76	114	112	112	110	99.2	85.2	76
80	105	103	102	100	97.1	83.4	80
84	96.3	94.4	93.8	91.8	90.2	81.5	84
88	88.5	86.5	85.9	83.9	82.3	79.6	88
92	81.2	79.3	78.7	76.7	75.1	73.0	92
96	74.6	72.7	72.1	70.1	68.4	66.4	96
100	68.5	65.9	66.0	64.0	62.3	60.3	100
104	62.9	59.9	60.3	58.3	56.7	54.7	104
108	57.6	52.7	55.1	53.1	51.5	49.5	108
112	52.7	46.1	50.2	48.2	46.6	44.6	112
116	48.1	39.6	45.7	43.7	42.1	40.1	116
120	43.8	33.4	41.4	39.4	37.8	35.8	120
124	39.8	27.5	37.4	35.4	33.8	31.8	124
128		22.1	33.6	31.7	30.1	28.1	128
132			30.0	28.1	26.5	24.5	132
136				24.7	23.2	21.2	136
140					20.0	18.0	140
144					16.9	15.0	144
148						12.1	148

LJ Configuration

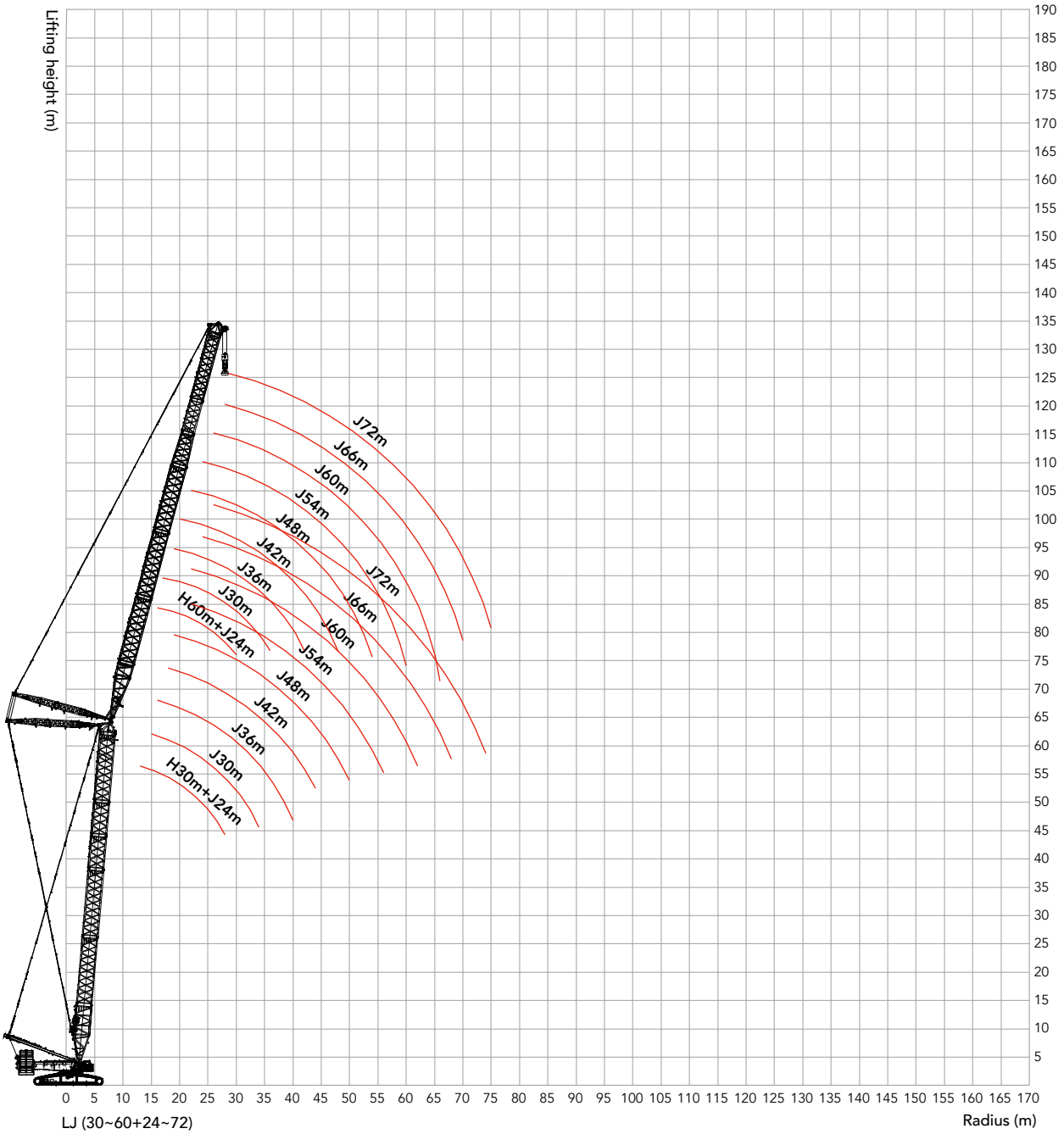
Boom combination in LJ			
Boom length (m)	Boom insert	Jib insert	
	12mE	6m	12mA
24	-	1	-
30	1	-	-
36	1	1	-
42	2	-	-
48	2	1	-
54	3	-	-
60	3	1	-
66	3	-	1
72	3	1	1

Note:
The boom is the same as H configuration.
The 10.5m jib base,6m jib tapered insert, 500t pulley block and Jib connecting tip are must.



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.

LJ Configuration 1/4

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

LJ Configuration 2/4

Boom length 42m, Boom angle 65° , Jib length 24~72m, Rear CW 230t, Carbody CW 80t

Radius(m)	24	30	36	42	48	54	60	66	72	Radius(m)
36	93.0									36
38	86.5									38
40	80.7	79.1								40
42	75.3	74.0								42
44		69.4	68.1							44
46		65.2	64.0	62.1						46
48		61.2	60.2	58.4						48
50			56.8	55.1	53.6					50
52			53.6	52.0	50.6					52
54			50.5	49.1	47.8	45.8				54
56				46.4	45.2	43.2	41.7			56
58				43.9	42.7	40.8	39.4			58
60				41.5	40.5	38.6	37.2	36.3		60
62					38.3	36.5	35.2	34.2		62
64					36.3	34.6	33.2	32.4	30.7	64
66					34.3	32.7	31.4	30.6	29.1	66
68						31.0	29.7	28.9	27.5	68
70						29.3	28.1	27.3	25.9	70
72						27.7	26.6	25.9	24.4	72
74							25.2	24.4	23.1	74
76							23.7	23.1	21.7	76
78							22.3	21.8	20.5	78
80								20.6	19.3	80
82								19.4	18.2	82
84								18.2	17.1	84
86									16.0	86
88									15.0	88
90									13.9	90

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.

LJ Configuration 3/4

Boom length 54m, Boom angle 65° , Jib length 24~72m, Rear CW 230t, Carbody CW 80t

Radius(m)	24	30	36	42	48	54	60	66	72	Radius(m)
42	68.7									42
44	64.4	62.5								44
46	60.4	58.8								46
48	56.6	55.3	53.8							48
50		52.1	50.7							50
52		49.0	47.8	45.8						52
54		46.1	45.2	43.2						54
56			42.7	40.8	39.1					56
58			40.3	38.6	37.1	34.2				58
60			38.0	36.5	35.1	32.5				60
62				34.5	33.2	30.8	28.6			62
64				32.6	31.4	29.3	27.0			64
66				30.7	29.7	27.8	25.6	24.0		66
68					28.1	26.2	24.3	22.7	20.5	68
70					26.5	24.7	23.0	21.5	19.3	70
72					24.9	23.3	21.7	20.3	18.1	72
74						22.0	20.6	19.1	17.0	74
76						20.7	19.4	18.1	16.0	76
78							18.3	17.0	15.0	78
80							17.1	16.1	14.0	80
82							16.0	15.1	13.1	82
84								14.2	12.2	84
86								13.3	11.4	86
88								12.4	10.6	88
90									9.8	90
92									9.0	92
94									8.3	94

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.

LJ Configuration 4/4

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

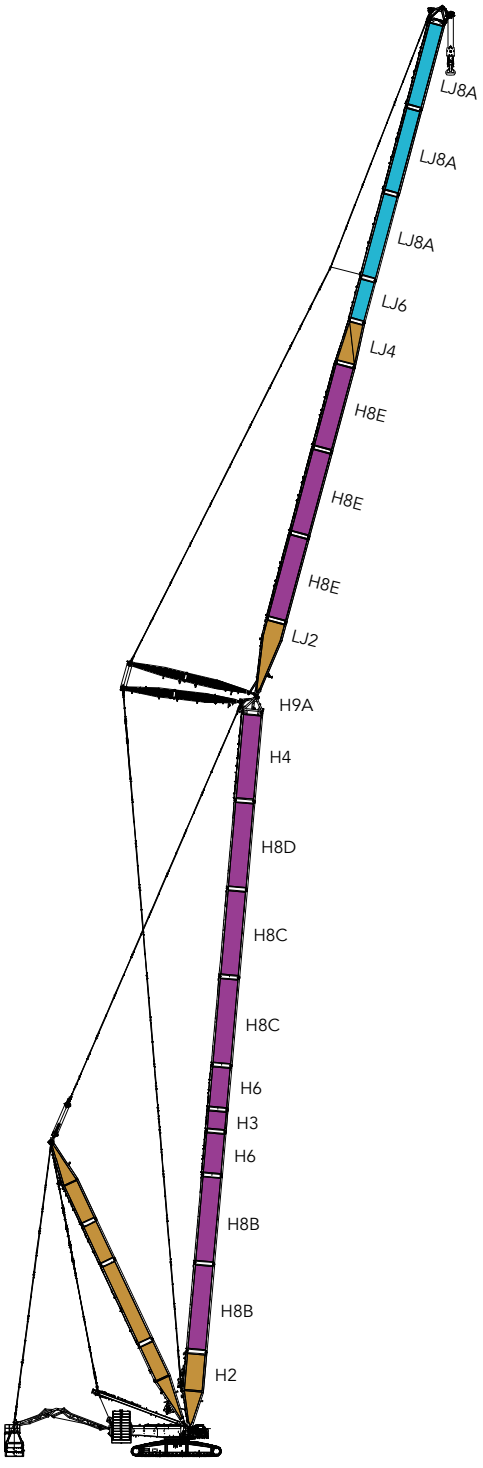
Radius(m)	24	30	36	42	48	54	60	66	72	Radius(m)
16	246									16
17	232	225								17
18	220	213								18
19	209	202	196							19
20	199	192	186	180						20
22	181	175	170	165	160					22
24	166	161	156	151	147	142				24
26	153	148	144	140	136	131	127			26
28	142	138	134	129	126	122	118	115	110	28
30	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

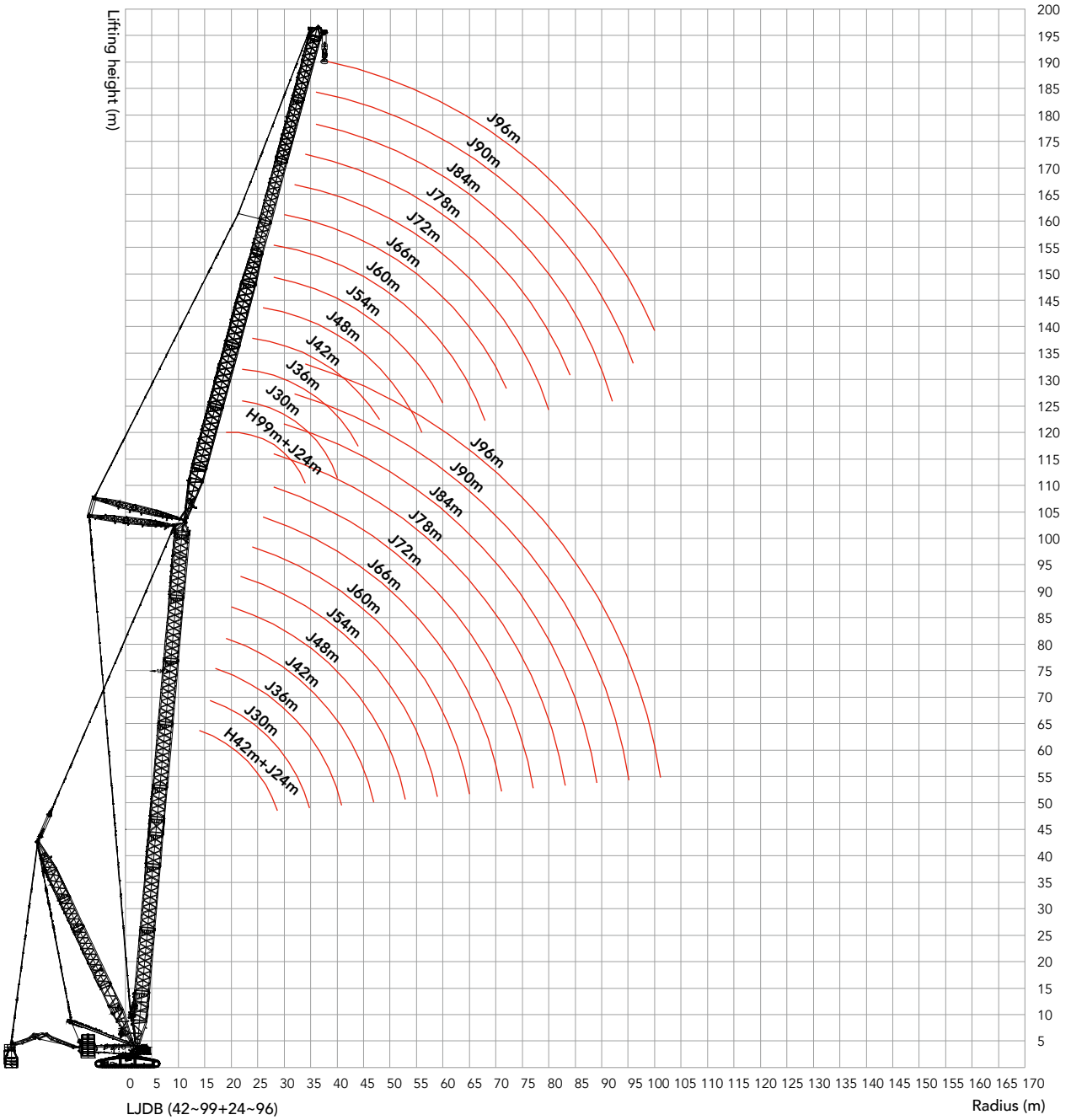
Boom length (m)	Boom insert	Jib insert	
	12mE	6m	12mA
24	-	1	-
30	1	-	-
36	1	1	-
42	2	-	-
48	2	1	-
54	3	-	-
60	3	1	-
66	3	-	1
72	3	1	1
78	3	-	2
84	3	1	2
90*	3	-	3
96*	3	1	3

Note:The boom is the same as H configuration.
The 10.5m 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.

LJDB Configuration 1/4

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

Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius(m)
36	105													36
38	98.7													38
40	92.6	90.6												40
44		67.2	65.6											44
48		59.7	58.4	56.2										48
52			52.1	50.1	48.4									52
56				44.9	43.3	41.1	39.3							56
60				40.2	38.9	36.7	35.0	33.9						60
64					34.9	32.9	31.2	30.2	28.4					64
68						29.4	27.9	26.9	25.2	24.0				68
72						26.2	24.9	23.9	22.3	21.2	19.4			72
76							22.1	21.3	19.7	18.6	16.9	15.6		76
80								18.8	17.3	16.3	14.6	13.4	11.6	80
84								16.5	15.1	14.1	12.5	11.3	9.6	84
88									13.1	12.2	10.6	9.4	7.7	88
92										10.3	8.8	7.7	6.0	92
96										8.6	7.2	6.1	4.5	96
100											5.6	4.6	3.0	100
104												3.2	1.6	104
108													0.3	108

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.

LJDB Configuration 2/4

Boom length 60m, Boom angle 65° , Jib length 24~96m, Superlift Radius 16m, Superlift CW 100t, Rear CW 230t, Carbody CW 80t

Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius(m)
44	115													44
48	104	102												48
52		92.8	91.0											52
56		84.5	83.0	80.5										56
60			75.9	73.7	71.8									60
64				58.7	56.9	54.5	52.6							64
68				53.7	52.2	49.8	48.1	46.8						68
72					47.9	45.7	44.0	42.7	40.8					72
76						41.9	40.3	39.1	37.3	35.9				76
80						38.4	36.9	35.8	34.0	32.8	30.9			80
84							33.8	32.8	31.1	29.9	28.0	26.7		84
88								30.1	28.4	27.2	25.4	24.1	22.2	88
92								27.4	25.9	24.8	23.0	21.7	19.9	92
96									23.6	22.5	20.8	19.6	17.8	96
100										20.4	18.8	17.6	15.8	100
104											16.9	15.7	13.9	104
108											15.0	13.9	12.2	108
112												12.3	10.6	112
116													9.1	116
120													7.6	120

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.

LJDB Configuration 3/4

Boom length 84m, Boom angle 65° , Jib length 24~96m, Superlift Radius 20m, Superlift CW 200t, Rear CW 230t, Carbody CW 80t

Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius(m)
56	96.0													56
60	88.2	86.3	84.5											60
64		79.7	78.1	75.8										64
68			72.3	70.2	68.4									68
72			67.0	65.1	63.5	61.1								72
76				60.5	59.0	56.8	55.0							76
80					55.0	52.8	51.1	49.9						80
84					51.1	49.2	47.6	46.4	44.7					84
88						40.2	38.4	37.1	35.1	33.7	31.6			88
92							35.6	34.4	32.4	31.0	29.0	27.5		92
96							32.8	31.8	29.9	28.6	26.6	25.1	23.1	96
100								29.4	27.6	26.3	24.3	22.9	20.9	100
104									25.4	24.2	22.3	20.9	18.9	104
108										22.2	20.3	19.0	17.1	108
112										20.3	18.5	17.2	15.3	112
116											16.8	15.5	13.7	116
120												13.9	12.1	120
124												12.4	10.7	124
128													9.3	128

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.

LJDB Configuration 4/4

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

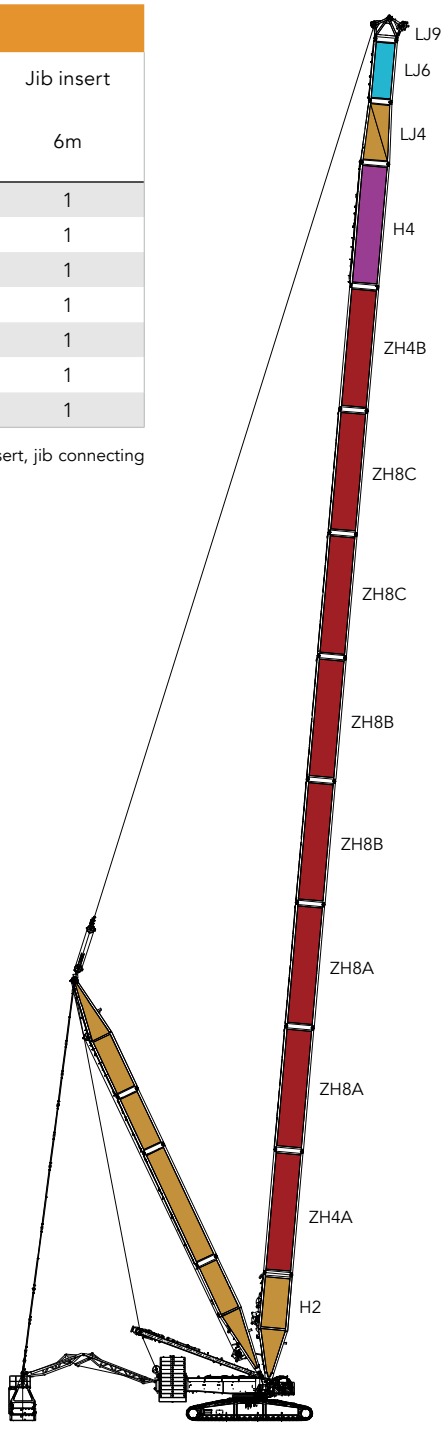
Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius(m)
19	158*													19
20	158*													20
22	154*	137*	122*											22
24	149*	134*	120*	106*										24
26	144*	130*	117*	104*	93.0*									26
28	139*	126*	114*	102*	91.6*	80.5*	70.9*							28
30	135*	122*	111*	100*	89.9*	79.3*	70.2*	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

ZHJDB Configuration

Boom combination in ZHJDB

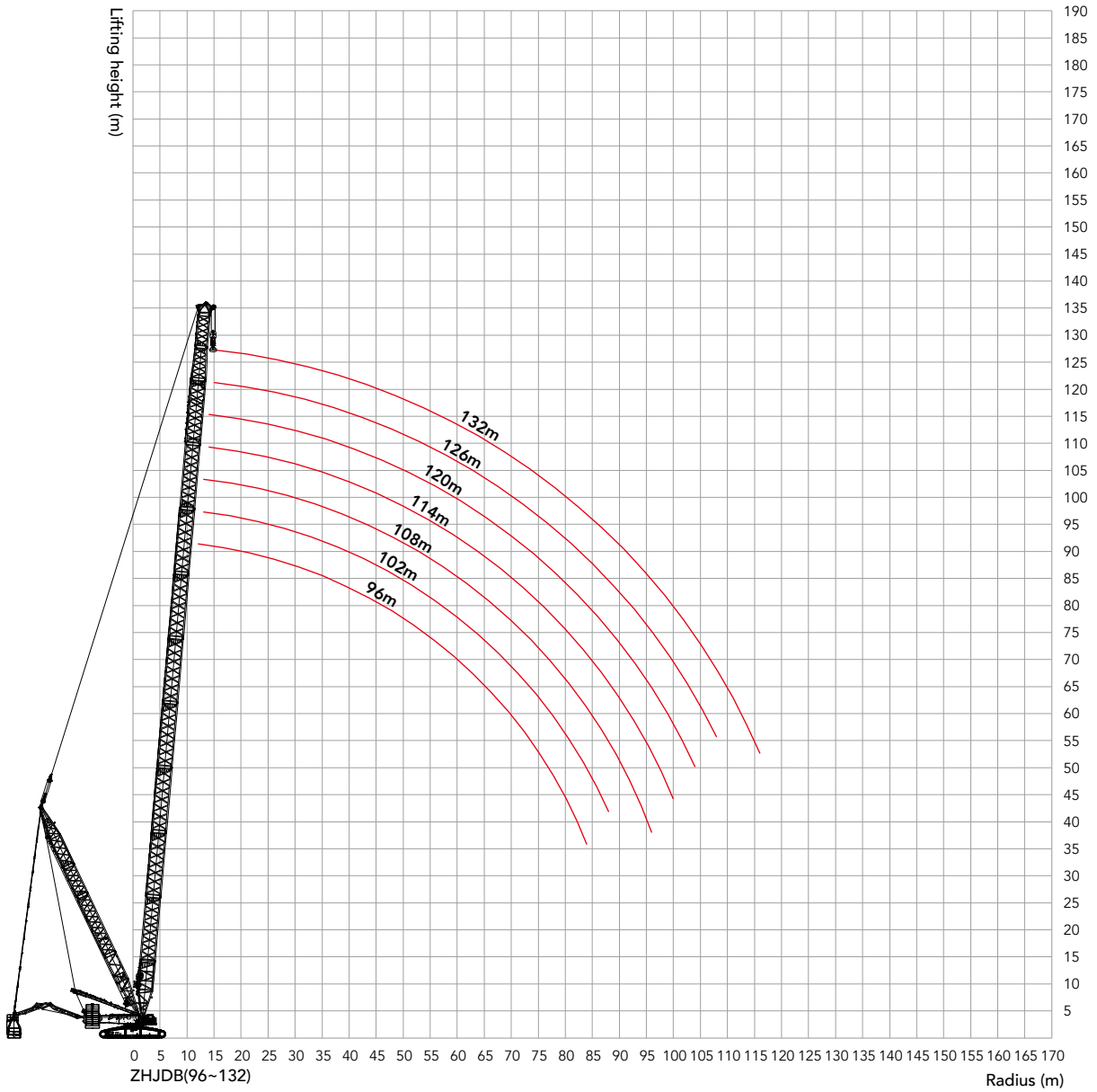
Boom length (m)	Power boom					Boom insert	Jib insert
	12m lower transition section	12mA	12mB	12mC	12m upper transition section	6m	6m
96	1	2	1	-	1	-	1
102	1	2	1	-	1	1	1
108	1	2	2	-	1	-	1
114	1	2	2	-	1	1	1
120	1	2	2	1	1	-	1
126	1	2	2	1	1	1	1
132	1	2	2	2	1	-	1

Note: 10.5m boom base, 12m transitional section of boom, 500t puelly block, 6m tapered insert, jib connecting head are required.



ZHJDB
(96~132)

ZHJDB Working Radius



Unit: t

ZHJDB 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 ZHJDB configurations.

ZHJDB Configuration 1/4

Boom length 96~132m, Superlift Radius 16m, Superlift CW 0t, Rear CW 170t, Carbody CW 80t

Radius(m)	96	102	108	114	120	126	132	Radius(m)
12	296							12
13	274	264	253					13
14	254	245	235	227	219			14
15	237	229	219	212	204	197	189	15
16	221	214	205	198	191	184	177	16
17	207	201	192	186	179	173	166	17
18	195	189	181	175	168	163	156	18
19	184	178	170	165	158	153	147	19
20	173	168	161	155	149	144	138	20
22	155	150	144	139	133	129	123	22
24	140	135	129	125	120	116	110	24
26	127	123	117	113	108	104	99.6	26
28	115	112	106	102	98.0	94.4	89.7	28
30	104	102	96.8	93.3	88.9	85.4	81.0	30
32	94.8	93.1	88.3	85.0	80.8	77.5	73.2	32
34	86.2	84.4	80.6	77.6	73.5	70.4	66.2	34
36	78.5	76.7	72.9	71.0	67.0	63.9	59.9	36
38	75.7	69.9	66.1	64.2	61.0	58.1	54.1	38
40	69.9	67.1	59.9	58.1	55.4	52.8	48.9	40
44	59.9	57.2	52.5	49.9	44.8	42.9	39.8	44
48	51.4	48.8	44.3	41.8	38.2	35.6	31.1	48
52	44.2	41.7	37.3	34.8	31.3	28.8	25.3	52
56	37.7	35.5	31.1	28.8	25.4	22.9	19.4	56
60	31.8	30.1	25.8	23.5	20.1	17.8	14.3	60
64	26.7	25.3	21.1	18.8	15.5	13.2	9.8	64
68	22.2	20.8	16.8	14.6	11.4	9.1	5.7	68
72	18.2	16.8	13.1	10.9	7.6	5.4	2.1	72
76	14.7	13.3	9.6	7.5	4.3	2.1		76
80	11.5	10.1	6.5	4.4	1.3			80
84	8.6	7.2	3.7	1.6				84
88		4.5	1.1					88

Unit: t

ZHJDB 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 ZHJDB configurations.

ZHJDB Configuration 2/4								
Boom length 96~132m, Superlift Radius 18m, Superlift CW 50t, Rear CW 170t, Carbody CW 80t								
Radius(m)	96	102	108	114	120	126	132	Radius(m)
12	377							12
13	350	338	325					13
14	325	315	303	293	283			14
15	304	294	283	275	265	257	248	15
16	285	276	266	258	249	241	233	16
17	268	260	250	242	234	227	219	17
18	252	245	236	229	221	214	207	18
19	238	231	223	216	209	203	195	19
20	225	219	211	205	198	192	185	20
22	203	197	190	184	178	173	167	22
24	184	179	172	167	161	156	151	24
26	168	163	157	152	147	142	137	26
28	154	149	143	139	134	130	125	28
30	141	137	131	127	123	119	114	30
32	130	127	121	117	113	109	104	32
34	121	117	112	108	104	100	96.1	34
36	111	109	103	100	96.0	92.7	88.3	36
38	104	101	96.1	92.9	88.7	85.5	81.3	38
40	97.5	94.3	89.3	86.2	82.1	79.0	74.8	40
44	85.1	82.2	77.3	74.4	70.5	67.6	63.6	44
48	73.9	71.9	67.1	64.4	60.6	57.8	54.0	48
52	64.0	62.6	58.5	55.8	52.2	49.5	45.8	52
56	55.6	54.2	50.9	48.4	44.8	42.3	38.6	56
60	48.5	47.1	43.9	41.9	38.4	35.9	32.3	60
64	42.2	40.8	37.6	36.2	32.7	30.3	26.8	64
68	36.8	35.4	32.1	30.7	27.7	25.3	21.8	68
72	31.9	30.5	27.3	25.8	23.1	20.8	17.3	72
76	27.6	26.2	23.0	21.5	19.0	16.7	13.3	76
80	23.7	22.3	19.1	17.6	15.2	13.0	9.6	80
84	20.2	18.8	15.6	14.1	11.7	9.7	6.3	84
88		15.6	12.4	10.9	8.5	6.6	3.2	88
92			9.4	8.0	5.6	3.7	0.4	92
96			6.7	5.3	3.0	1.1		96
100				2.8	0.5			100

Unit: t

ZHJDB 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 ZHJDB configurations.

ZHJDB Configuration 3/4

Boom length 96~132m, Superlift Radius 20m, Superlift CW 100t, Rear CW 170t, Carbody CW 80t

Radius(m)	96	102	108	114	120	126	132	Radius(m)
12	402							12
13	402	372	342					13
14	402	372	342	311	311			14
15	383	371	342	311	311	281	281	15
16	359	349	337	311	311	281	281	16
17	338	329	318	309	299	281	281	17
18	319	310	300	292	283	275	266	18
19	302	294	284	276	268	261	252	19
20	286	279	270	262	254	247	240	20
22	259	252	244	238	230	224	217	22
24	236	230	222	216	210	204	198	24
26	216	211	203	198	192	187	181	26
28	199	194	187	182	176	172	166	28
30	184	179	173	168	163	158	153	30
32	170	166	160	156	150	146	141	32
34	157	154	148	144	140	136	131	34
36	145	144	138	134	130	126	121	36
38	137	133	129	125	121	117	113	38
40	128	126	120	117	113	109	105	40
44	112	110	106	103	98.9	95.7	91.5	44
48	98.8	97.4	93.9	90.9	86.9	83.9	79.9	48
52	86.9	85.5	82.3	80.5	76.6	73.8	69.8	52
56	76.7	75.3	72.2	70.7	67.7	64.9	61.1	56
60	68.0	66.6	63.4	62.0	59.6	57.2	53.5	60
64	60.5	59.1	55.9	54.4	52.0	50.4	46.7	64
68	53.8	52.4	49.2	47.8	45.4	43.9	40.6	68
72	48.0	46.6	43.4	41.9	39.5	38.0	35.2	72
76	42.8	41.4	38.1	36.7	34.3	32.7	30.2	76
80	38.1	36.7	33.5	32.0	29.6	28.1	25.5	80
84	33.8	32.4	29.2	27.8	25.4	23.8	21.3	84
88		28.6	25.4	23.9	21.5	20.0	17.5	88
92			21.8	20.4	18.0	16.5	14.0	92
96			18.6	17.2	14.8	13.3	10.7	96
100				14.2	11.8	10.3	7.8	100
104					9.1	7.6	5.1	104
108						5.0	2.5	108

Unit: t

ZHJDB 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 ZHJDB configurations;
8. The values marked with "*" in the table mean in this configuration, the superlift counterweight does not leave the ground.

ZHJDB Configuration 4/4								
Boom length 96~132m, Superlift Radius 22m, Superlift CW 200t, Rear CW 170t, Carbody CW 80t								
Radius(m)	96	102	108	114	120	126	132	Radius(m)
12	402*							12
13	402*	372*	342*					13
14	402	372	342*	311*	311*			14
15	402	372	342	311*	311*	281*	281*	15
16	402	372	342	311	311	281*	281*	16
17	402	372	342	311	311	281	281	17
18	402	372	342	311	311	281	281	18
19	402	372	342	311	311	281	281	19
20	402	372	342	342	311	281	281	20
22	369	368	342	342	311	281	281	22
24	334	332	329	322	311	281	281	24
26	304	302	299	297	289	281	275	26
28	278	276	273	271	267	261	255	28
30	256	254	251	249	247	243	236	30
32	237	235	232	230	228	226	220	32
34	220	218	215	213	211	209	206	34
36	205	203	200	198	196	194	191	36
38	191	190	186	185	182	181	178	38
40	179	178	174	173	170	168	166	40
44	159	157	154	152	149	148	145	44
48	141	140	136	135	132	131	128	48
52	127	125	122	120	118	116	113	52
56	115	113	110	108	105	104	101	56
60	104	102	99.2	97.6	95.1	93.4	90.7	60
64	94.9	93.3	89.8	88.2	85.7	84.0	81.3	64
68	86.6	85.0	81.6	79.9	77.4	75.7	73.0	68
72	79.2	77.6	74.2	72.6	70.0	68.3	65.6	72
76	72.5	71.0	67.6	66.0	63.4	61.7	59.1	76
80	66.5	65.0	61.6	60.0	57.5	55.8	53.1	80
84	61.1	59.6	56.2	54.6	52.1	50.4	47.7	84
88		54.6	51.3	49.7	47.2	45.5	42.8	88
92			46.7	45.2	42.7	41.0	38.4	92
96			42.6	41.0	38.5	36.9	34.3	96
100				37.2	34.7	33.1	30.5	100
104					31.2	29.6	26.9	104
108						26.3	23.7	108
112							20.6	112
116							17.8	116

Zhejiang SANY Equipment Co., Ltd.

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

—Agent information—

© Printed in June 2022 in China

www.sanyglobal.com

Please scan the official WeChat account of Sany for more information.