SCC8000A
Crawler Crane

Quality Changes the World

Max. lifting moment: 12016t·m
Max. boom length: 111m
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.

Crawler Crane Series

SCC8000A

P03	Main Characteristics	▪ Cab ▪ Upperworks ▪ Lower structure ▪ Counterweight ▪ Operating equipment ▪ Hydraulic system ▪ Working weight ▪ Ground pressure ▪ Gradeability ▪ Safety device
P10	Technical Parameters	▪ Main specifications ▪ Outline dimensions ▪ Transport dimensions ▪ Assembly schematics
P29	Configurations	▪ Boom combination ▪ H working condition ▪ HDB working condition ▪ HJ working condition ▪ HJDB working condition ▪ FJ working condition ▪ FJDB working condition ▪ HJFJ working condition ▪ HJFJ120+15 working condition ▪ HJFJDB working condition ▪ HJDB_5 working condition ▪ HJDB_7 working condition ▪ HJDB_9 working condition ▪ HJFJDB_5 working condition ▪ HJFJDB_7 working condition ▪ HJFJDB_9 working condition ▪ HJFJDB_SY3 working condition ▪ LJ working condition ▪ LJDB working condition

SCC8000A
SANY CRAWLER CRANE

QUALITY CHANGES THE WORLD

Main Characteristics

- Page 04 Cab
- Page 05 Superstructure
- Page 06 Lower structure
- Page 06 Counterweight
- Page 07 Working element
- Page 07 Hydraulic system
- Page 07 Working weight
- Page 07 Ground pressure
- Page 07 Gradeability
- Page 08 Safety device

Cab

Appearance

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

Comfort

- It is adopted with shock absorption, noise reduction, suspended, multi-mode and multi-stage adjustable seat, thus providing the operator with the most comfortable driving experience. The famous USA RedDot air conditioner is adopted, ensuring more reasonable air outlet and efficient cooling. It takes no more than 20 min to cool the cab from 55°C to 27.5°C. The left and right 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.

Lower Structure

Carbody

- The hydraulic cylinder driving power pin is connected with the crawler frame for easy assembly and disassembly. The high-strength steel welded frame structure is adopted. Larger carbody design significantly improves the stability of the overall crane. The carbody counterweight is 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 outriggers

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

Superstructure

Engine

- Cummins (Euro Tier III), optional Euro Tier IV.
- Rated power: 447kW.
- Rated speed: 1800 rpm.
- Maximum output torque: 2542N·m.
- Speed at the maximum output torque: 1400rpm.

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	0-164m/min
	Diameter of wire rope	28mm
	Rope length	1250m
	Rated line pull	17.2t
Auxiliary load hoist winch 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	0~164m/min
	Diameter of wire rope	28mm
	Rope length	1360m

Slewing mechanism

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

Working Implement

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

Boom

- The boom is a spatial lattice structure of welded tubes with equal section areas of inserts and tapered sections for two ends. The boom top and root are strengthened with steel plates, which is easier for load transfer.
- The length of the boom is 24m (basic boom) to 111m (with superlift).
- Compositions: Boom base 10.5m, 1 transition section of 12m, 1 connecting tip of 1.5m, 1 insert of 3m, 3 inserts of 6m, and 6 inserts of 12m.
- 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~15m.
- Compositions: Jib base 6m×1, insert 3m×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, boom insert (H8E), tapered section×1, insert 6m×2, insert 12m×4, jib top 7.5m×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 36m~42m.
- Compositions: Superlift base 12m×1, insert 6m×1, insert 12m×1, top 12m×1.

Hook

- There are 7 types of hook available. The specific parameters are as follows:

Hook	Maximum lifting capacity	Quantity	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	10.4
180t hook (double pulley block)	180t	1	2×3	8.4
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.

Additional Device

- Side outriggers.
- Lower structure jack cylinders.
- 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 the specific parameters are as follows:

Name	Quantity	Length(m)	Width(m)	Height(m)	Unit weight(t)
Carbody counterweight	4	2.40	2.85	0.484	10
Carbody counterweight tray	2	2.97	5.43	1.06	20
Rear counterweight	20	2.40	2.85	0.484	10
Rear counterweight tray	2	3.00	2.66	2.40	15
Superlift counterweight	36	2.40	2.85	0.484	10
Superlift counterweight tray	1	9.25	2.50	1.80	32
Rear counterweight additional tray	1	3.64	2.95	1.74	6.7

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 615t, 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 proprietory load moment limiter independently -developed by Sany is adopted, which forms a network with other controllers through CAN bus line, so as to realize safe and reliable control. The load moment limiter can automatically detect the hoisting weight of the crane and the angle of the boom, and display the rated load capacity, actual load, working radius, and the allowable height of the hook.
- The load moment limiter system consists of a large-screen color display, a host computer, angle sensors, tension sensors, pressure sensors and other components.

Over-hoist protection of the main and auxiliary hooks

- It is used to prevent the over-hoist of the hook. When the lifting hook is raised to a certain height, the limit switch will start working, and hook will be automatically cut off from moving up by the control system. Meanwhile, the display and the buzzer will give alarms. At this moment, only hook lowering is allowed to prevent over-hoist action.

Over-release protection device of the main and auxiliary hook

- It is used to prevent the wire rope over-release. When the wire rope is released to the last three wraps, the limit switch will start working, and the releasing of rope will be automatically stopped by the control system. Meanwhile, the display and the buzzer will give alarms. At this moment, only rope retraction is allowed to prevent over release action.

Boom angle limit

- When the elevation angle of the boom exceeds 85° or jib angle exceeds 75° , corresponding limit switch will be triggered, and the control system will automatically cut off the boom hoisting. Meanwhile, the display and the buzzer will give alarm. At this moment, boom/jib luffing winch won't hoist but it can still lower down.
- When the 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 slewing forwards to increase the tension and prevent the boom vibration and shaking back.
- The jib rear mast is equipped with a pair of back-stop cylinders, while the jib front mast is equipped with a pair of pneumatic cylinders to prevent the mast from the backward inclination and tension of the jib luffing wire rope.

Brake of hoisting mechanism

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

Closed circuit monitoring system

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

Failure auto-diagnosis system

- Failulre code can help troubleshooting easily.

Safety Devices

Black box

- It is able to record the operation data and machine movement, and analyze the remaining running conditions and service life of machine based on the actual performance.

Pharos

- It is mounted on the top of the boom/jib and alerts in air during night.

Anemometer

- It is mounted on the top of the boom/jib to monitor the wind speed in real time and display relative data on the monitor.

Electronic level indicator

- It displays the tilting angle of the crane on the monitor in real time and protects the safe operation of the crane.

Lightning protection device

- It includes the lightning protection device and the surge protection device, which can effectively protect the electric system elements and workers from lightning.

Hook latch

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

Slewing and traveling alarm

- During slewing 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

- Slewing 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

SCC8000A
SANY CRAWLER CRANE

QUALITY CHANGES THE WORLD

Technical Parameters

- Page 11 Main performance parameters
- Page 12 Basic dimensions of overall crane
- Page 14 Transportation dimensions
- Page 23 Installation schematic diagram

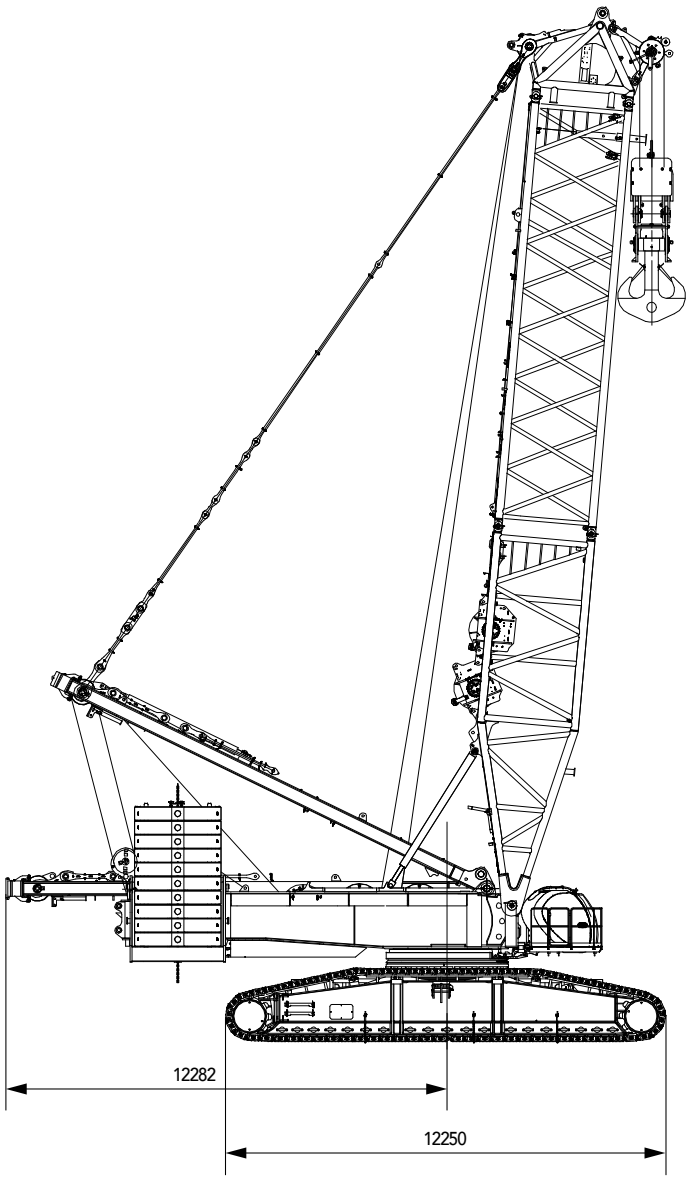
> 10

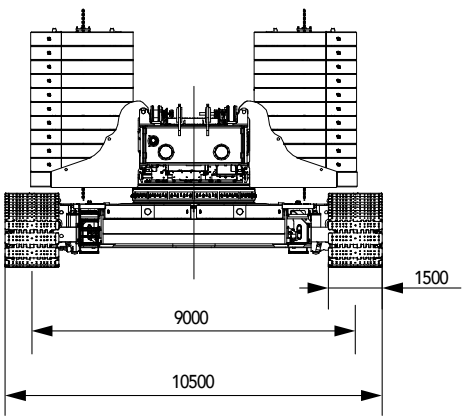
Main Performance Parameters

Major Performance & Specifications of SCC8000A		
Performance indexes	Unit	Parameter
Maximum rated lifting capacity	t	700 (7m operating radius)
Maximum rated lifting capacity (with superlift)	t	800 (12m operating radius)
Maximum rated lifting moment	t·m	4956
Maximum rated lifting moment (with superlift)	t·m	12016
Boom length	m	24~99
Boom length (with superlift)	m	42~111
Mixed boom length	m	84~123
Mixed boom length (with superlift)	m	90~147
Luffing jib length	m	24~96
Luffing jib length (with superlift)	m	24~96
Length of short fixed jib	m	12~15
Longest boom combination (LJDB working condition)	m	99+96
Longest boom for wind energy configuration (without superlift)	m	120+15
Longest boom for wind energy configuration (with superlift)	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 luffing 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	164
Slewing speed (no load)	r/min	0.8
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	610
Average ground bearing pressure of the crawler (base boom, 230t machine counterweight, 80t carbody counterweight, 800t hook)	MPa	0.2
Machine counterweight	t	230
Superlift counterweight (including tray)	t	390
Carbody counterweight (including tray)	t	80
Maximum transportat dimensions of single piece (L×W×H)	mm	14200×3400×2640
Maximum transport weight of single piece	t	52/48
Transport weight of rotating bed (with quick connector ring)	t	47

Unit: mm

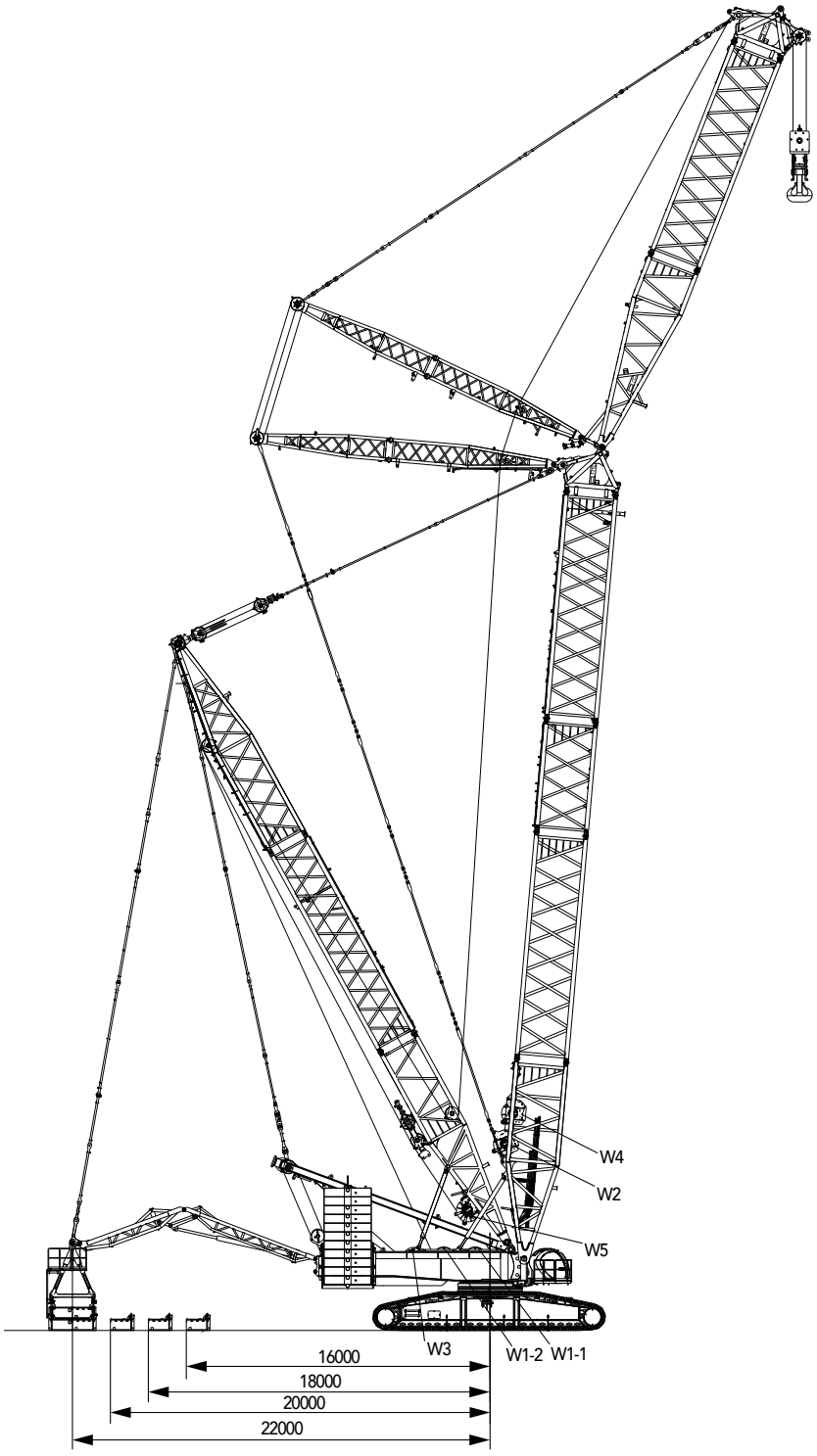
Outline Dimension



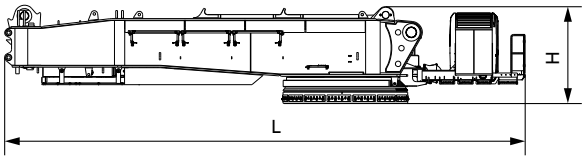


Unit: mm

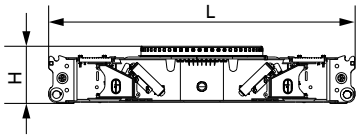
Outline Dimension



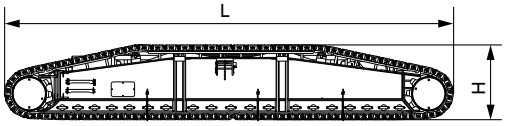
Transport Dimension



Basic Machine (with quick connector ring)	×1
Length (L)	14.20m
Width (W)	3.40m
Height (H)	2.64m
Weight	47.0t

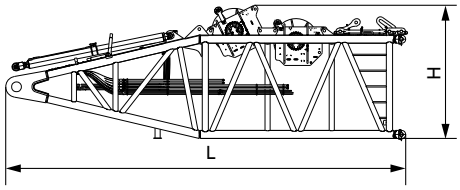


Carbody (with quick connector ring)	×1
Length (L)	8.36m
Width (W)	3.40m
Height (H)	1.56m
Weight	36.0t



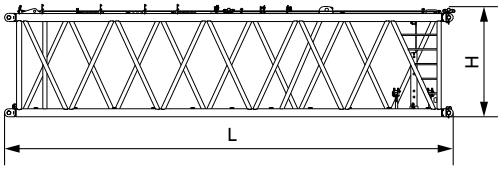
Crawler assembly	×2
Length (L)	12.37m
Width (W)	1.83m
Height (H)	2.07m
Weight	46.2t

Note: There are two types of crawlers, randomly based on actual configuration shipped. The other weighs 52t.

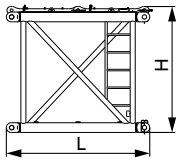


Boom base (H2) (with aux. hoist and jib luffing winches)	×1
Length (L)	10.90m
Width (W)	3.00m
Height (H)	3.63m
Weight	31.3t

Note: aux. hoist winch 5.5t, jib luffing winch 8.3t

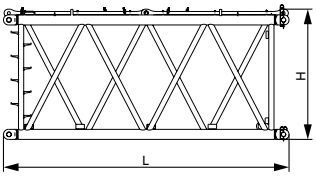


12m transition section (H4)	×1
Length (L)	12.24m
Width (W)	2.99m
Height (H)	2.94m
Weight	9.2t

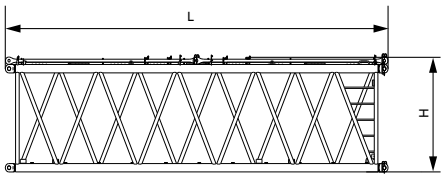


3m boom insert	×1
Length (L)	3.24m
Width (W)	2.99m
Height (H)	2.94m
Weight	2.9t

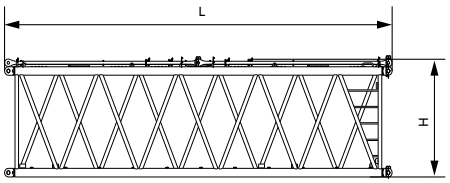
Transport Dimension



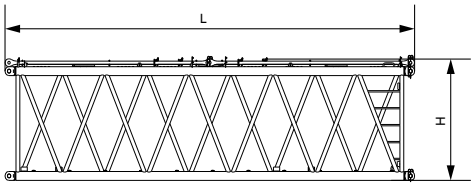
6m boom insert (H6)	×3
Length (L)	6.24m
Width (W)	2.99m
Height (H)	2.94m
Weight	5.1t



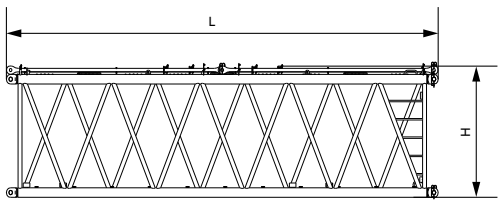
12m boom insert B (H8B)	×2
Length (L)	12.24m
Width (W)	2.99m
Height (H)	2.94m
Weight	9.3t



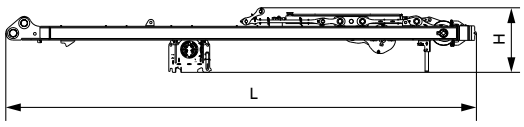
12m boom insert C (H8C)	×2
Length (L)	12.24m
Width (W)	2.99m
Height (H)	2.94m
Weight	8.3t



12m boom insert D (H8D)	×1
Length (L)	12.24m
Width (W)	2.99m
Height (H)	2.94m
Weight	7.7t

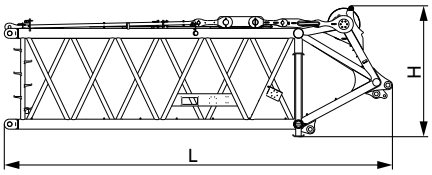


12m boom insert E (H8E)	×1
Length (L)	12.24m
Width (W)	2.99m
Height (H)	2.94m
Weight	7.0t

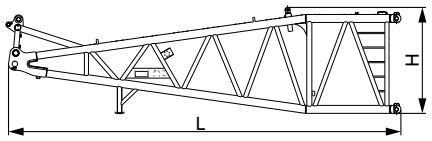


Boom hoist mast	×1
Length (L)	13.67m
Width (W)	2.41m
Height (H)	1.73m
Weight (including boom hoist winch)	23.3t

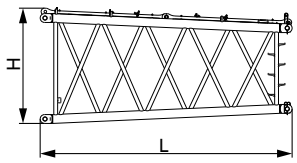
Transport Dimension



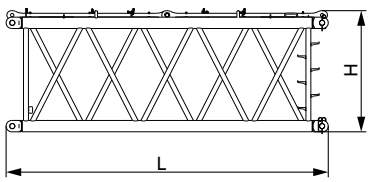
Luffing jib top (LJ1)	×1
Length (L)	8.55m
Width (W)	2.57m
Height (H)	2.93m
Weight	6.5t



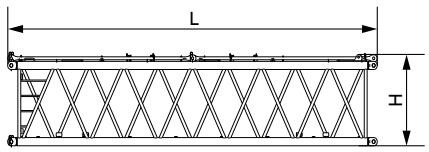
Luffing jib base (LJ2)	×1
Length (L)	10.8m
Width (W)	2.99m
Height (H)	2.96m
Weight	9.2t



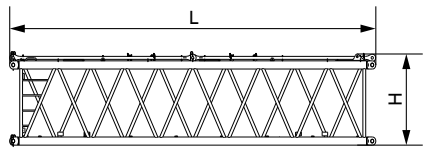
6m jib tapered insert (LJ4)	×1
Length (L)	6.24m
Width (W)	2.99m
Height (H)	2.90m
Weight	3.2t



6m luffing jib insert A (LJ6)	×2
Length (L)	6.24m
Width (W)	2.64m
Height (H)	2.39m
Weight	3.2t

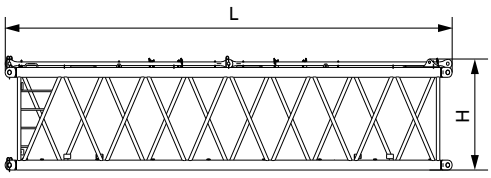


12m luffing jibe insert A (LJ8A)	×1
Length (L)	12.24m
Width (W)	2.64m
Height (H)	2.39m
Weight	5.5t

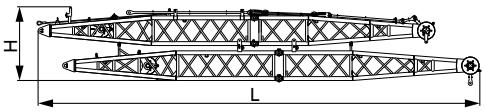


12m luffing jibe insert B (LJ8B)	×1
Length (L)	12.24m
Width (W)	2.64m
Height (H)	2.39m
Weight	5.3t

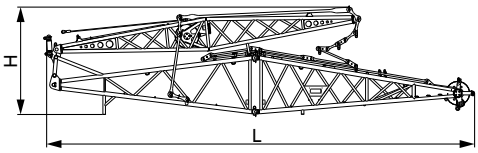
Transport Dimension



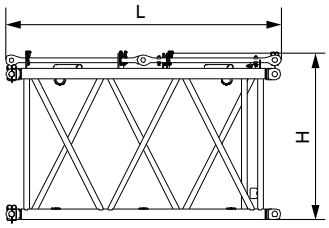
12m luffing jib insert C (LJ8C)	×2
Length (L)	12.24m
Width (W)	2.64m
Height (H)	2.39m
Weight	5.2t



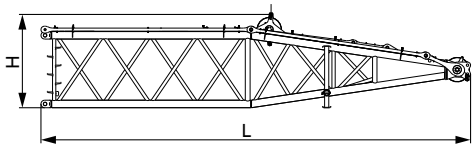
Luffing jib front and back struts	×1
Length (L)	18.00m
Width (W)	2.62m
Height (H)	3.00m
Weight	17.8t



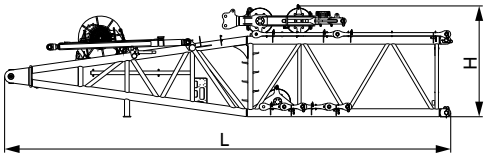
Fixed jib assembly	×1
Length (L)	12.71m
Width (W)	2.48m
Height (H)	3.19m
Weight	6.0t



3m fixed jib insert (FJ3)	×1
Length (L)	3.14m
Width (W)	2.13m
Height (H)	1.89m
Weight	0.7t

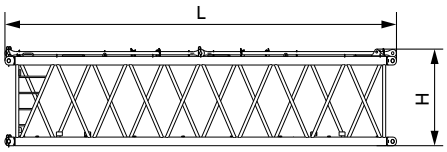


Superlift mast top (D1)	×1
Length (L)	12.51m
Width (W)	2.99m
Height (H)	2.77m
Weight	15.4t

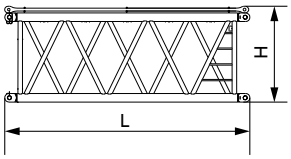


Superlift mast base (D2)	×1
Length (L)	12.30m
Width (W)	2.99m
Height (H)	3.10m
Weight (with winch)	26.0t

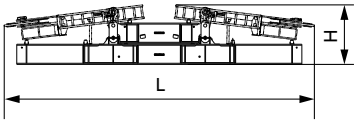
Transport Dimension



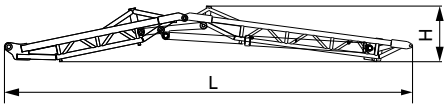
12m superlift mast insert (D6)	×1
Length (L)	12.24m
Width (W)	2.57m
Height (H)	2.40m
Weight	8.5t



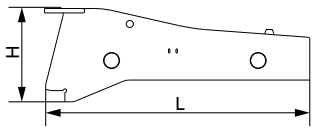
6m superlift mast insert (D4)	×1
Length (L)	6.24m
Width (W)	2.57m
Height (H)	2.40m
Weight	4.8t



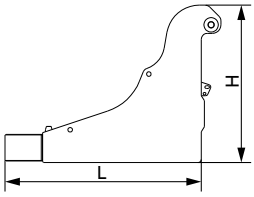
Superlift counterweight frame	×1
Length (L)	9.25m
Width (W)	2.64m
Height (H)	1.78m
Weight	33.42t



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

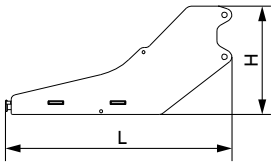


Carbody counterweight tray	×2
Length (L)	2.97m
Width (W)	5.43m
Height (H)	1.06m
Weight	20.0t

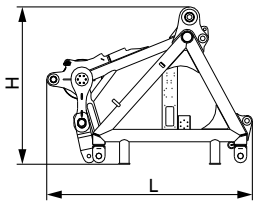


Rear counterweight tray	×2
Length (L)	3.30m
Width (W)	2.80m
Height (H)	2.40m
Weight	15.0t

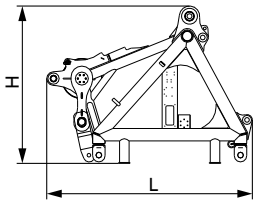
Transport Dimension



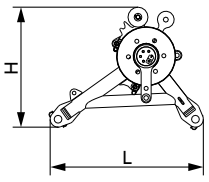
Additional tray of rear counterweight	×1
Length (L)	3.54m
Width (W)	2.93m
Height (H)	2.74m
Weight	6.5t



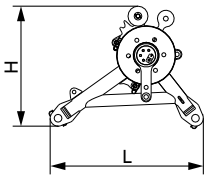
Connecting tip (H9A)	×1
Length (L)	3.73m
Width (W)	2.99m
Height (H)	2.77m
Weight	6.8t



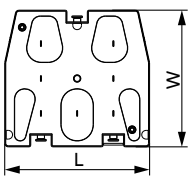
Connecting tip (H9B)	×1
Length (L)	3.73m
Width (W)	2.99m
Height (H)	2.77m
Weight	5.6t



Pulley block (800t)	×2
Length (L)	1.84m
Width (W)	1.67m
Height (H)	1.44m
Weight	2.6t



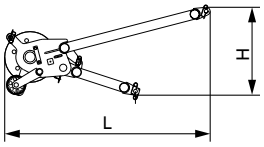
Pulley block (500t)	×2
Length (L)	1.84m
Width (W)	1.67m
Height (H)	1.44m
Weight	2.0t



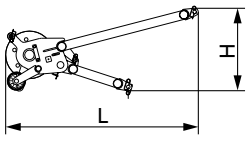
10t counterweight	×60
Length (L)	2.40m
Width (W)	2.85m
Height (H)	0.484m
Weight	10.0t

Remarks: 4 blocks for carbody counterweight, 20 blocks for machine rear counterweight, 36 blocks for superlift counterweight.

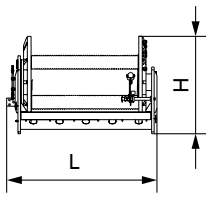
Transport Dimension



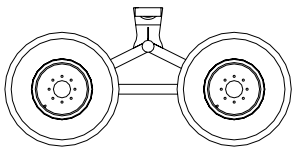
Extension jib (16t)	×1
Length (L)	2.60m
Width (W)	1.07m
Height (H)	1.11m
Weight	0.45t



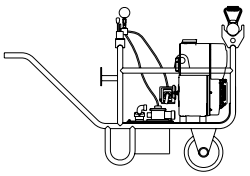
Extension jib (50t)	×1
Length (L)	2.60m
Width (W)	1.07m
Height (H)	1.11m
Weight	0.6t



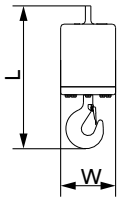
Main load hoist winch	×2
Length (L)	2.00m
Width (W)	1.28m
Height (H)	1.30m
Weight	8.3t



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

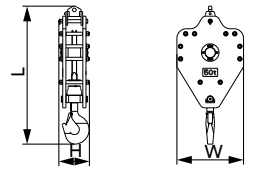


Portable power pack	×1
Length (L)	1.55m
Width (W)	0.70m
Height (H)	1.09m
Weight	0.2t

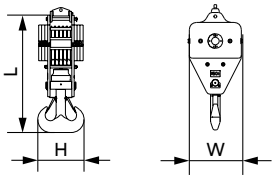


18t ball hook	×1
Length (L)	1.30m
Width (W)	0.50m
Height (H)	0.50m
Weight	1t

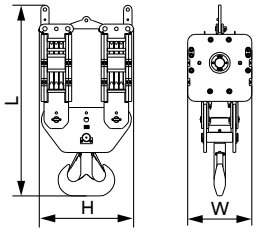
Transport Dimension



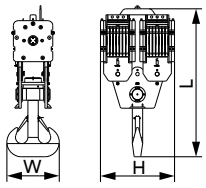
50t hook	×1
Length (L)	2.20m
Width (W)	1.06m
Height (H)	0.50m
Weight	1.4t



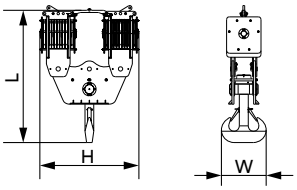
150t hook	×1
Length (L)	2.40m
Width (W)	1.09m
Height (H)	0.95m
Weight	4.8t



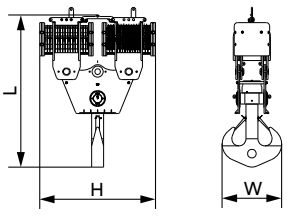
180t hook	×1
Length (L)	3.20m
Width (W)	1.07m
Height (H)	1.60m
Weight	8.4t



350t hook	×1
Length (L)	3.55m
Width (W)	1.33m
Height (H)	1.88m
Weight	10.4t

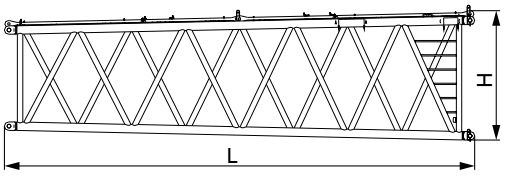


500t hook	×1
Length (L)	3.93m
Width (W)	1.33m
Height (H)	2.94m
Weight	11.1t

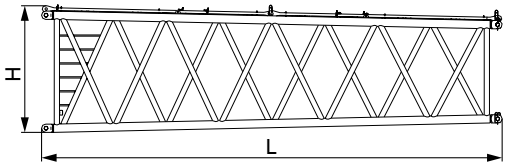


800t hook	×1
Length (L)	4.82m
Width (W)	1.90m
Height (H)	3.66m
Weight	22.5t

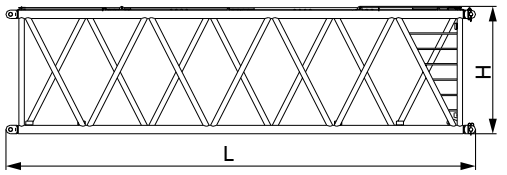
Transport Dimension



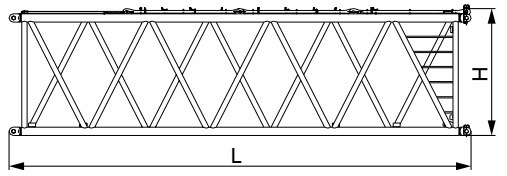
12m lower transition section (ZH4A)	×1
Length (L)	12.24m
Width (W)	3.56m
Height (H)	2.96m
Weight	11.3t



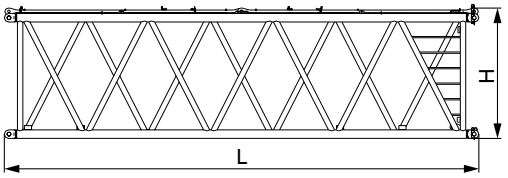
12m upper transition section (ZH4B)	×1
Length (L)	12.24m
Width (W)	3.56m
Height (H)	2.96m
Weight	9.2t



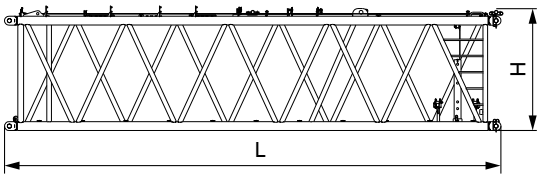
12m power boom insert A (ZH8A)	×1
Length (L)	12.24m
Width (W)	3.56m
Height (H)	2.96m
Weight	10.2t



12m power boom insert B (ZH8B)	×1
Length (L)	12.24m
Width (W)	3.56m
Height (H)	2.96m
Weight	10.9t

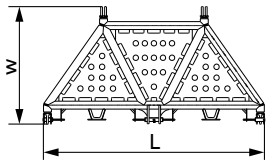


12m power boom insert C (ZH8C)	×2
Length (L)	12.24m
Width (W)	3.56m
Height (H)	2.96m
Weight	10.2t

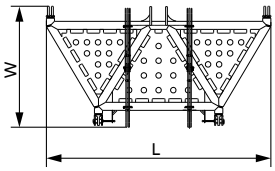


12m power boom insert D (ZH8D)	×3
Length (L)	12.24m
Width (W)	3.56m
Height (H)	2.96m
Weight	9.2t

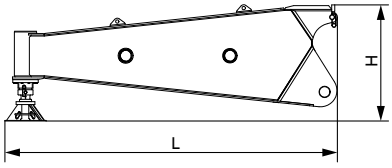
Transport Dimension



Super power boom lower transition section	×1
Length (L)	7.46m
Width (W)	3.24m
Height (H)	2.82m
Weight	7.8t



Super power boom upper transition section	×1
Length (L)	7.46m
Width (W)	3.28m
Height (H)	3.0m
Weight	7.6t

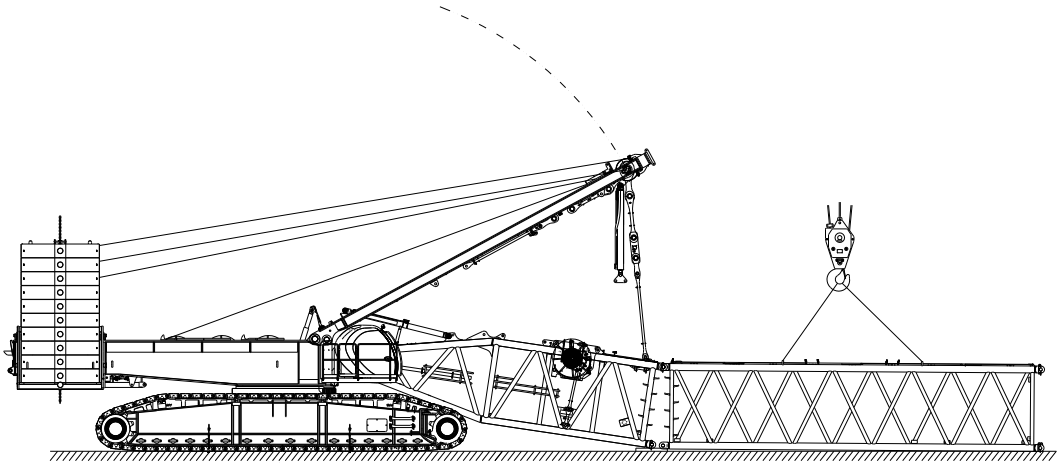


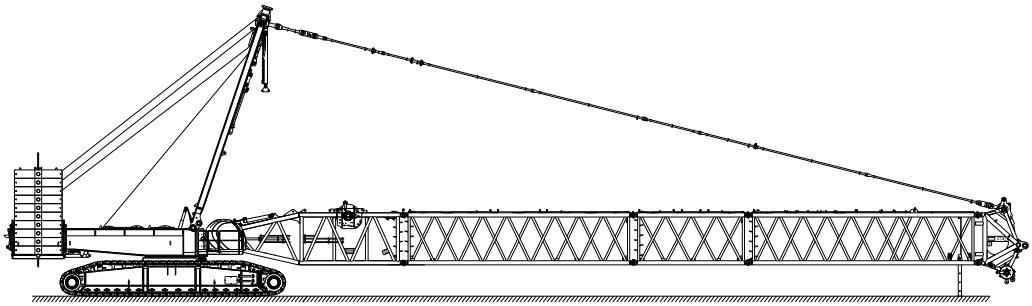
Side outrigger	×2
Length (L)	4.35m
Width (W)	1.25m
Height (H)	1.51m
Weight	2.6t

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

Assembly Plan

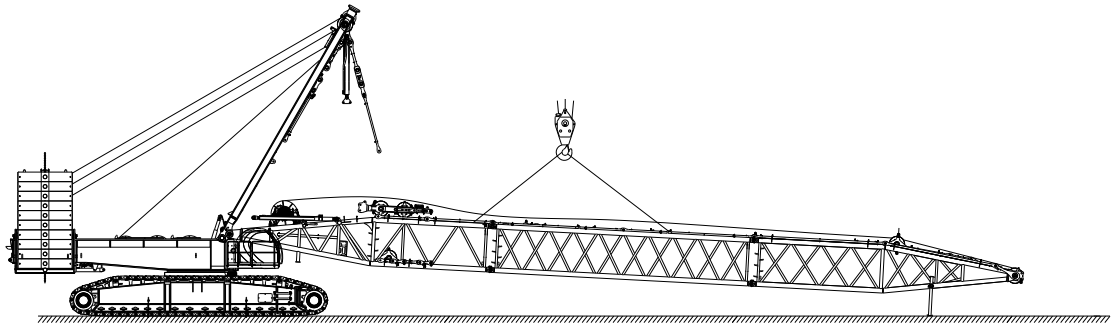
1) Boom assembly

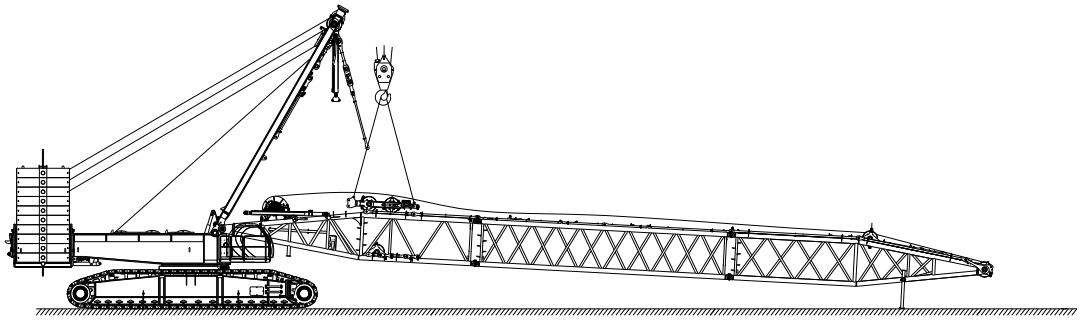


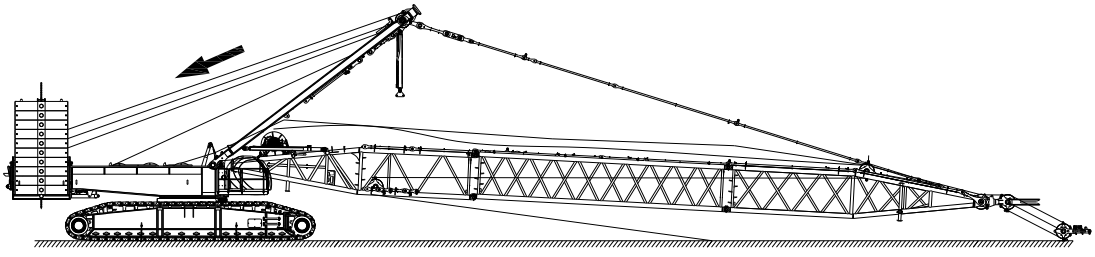


Assembly Plan

2) Superlift mast assembly

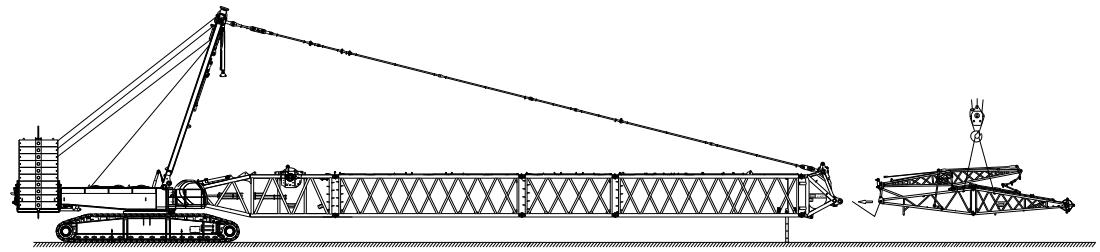


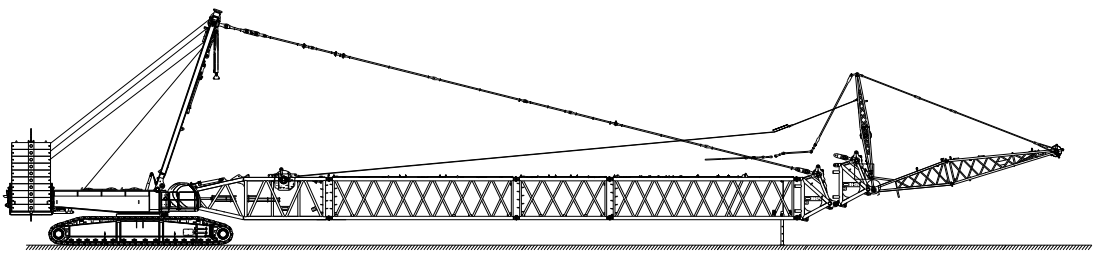


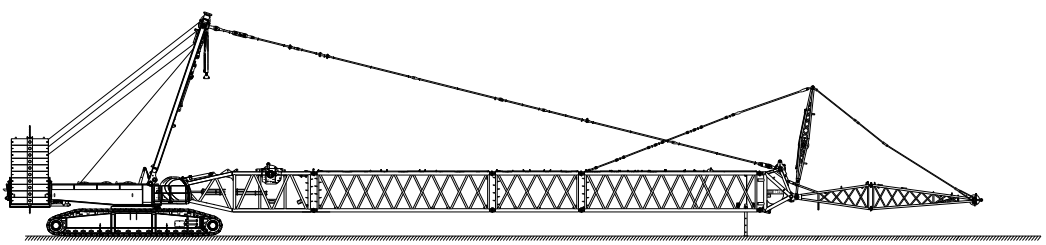


Assembly Plan

3) Fixed jib assembly

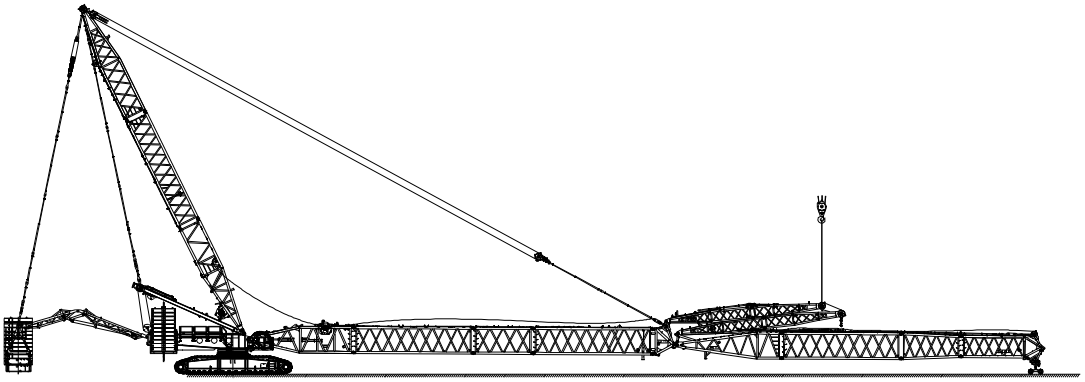


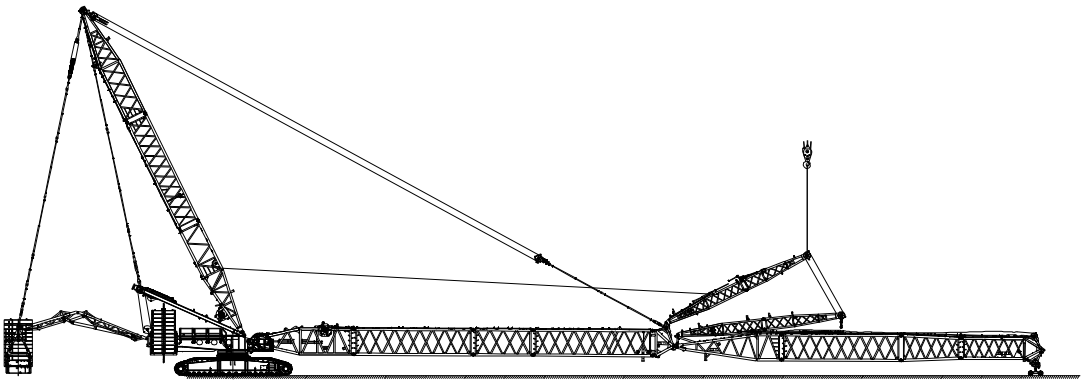




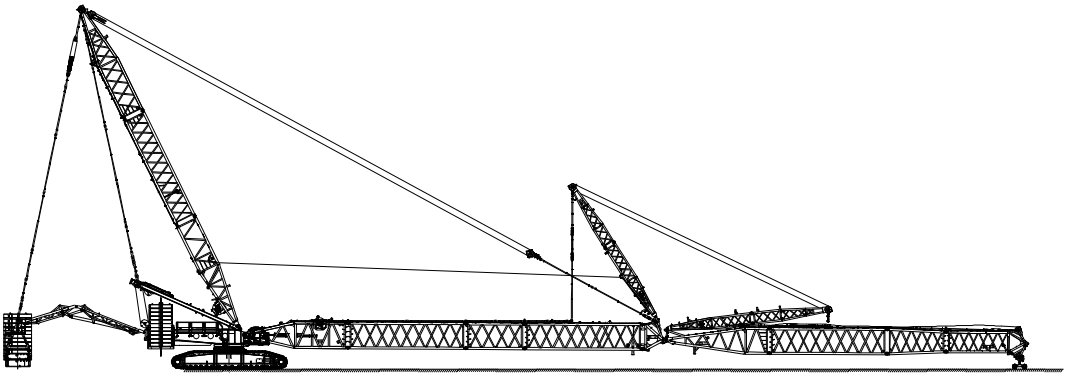
Assembly Plan

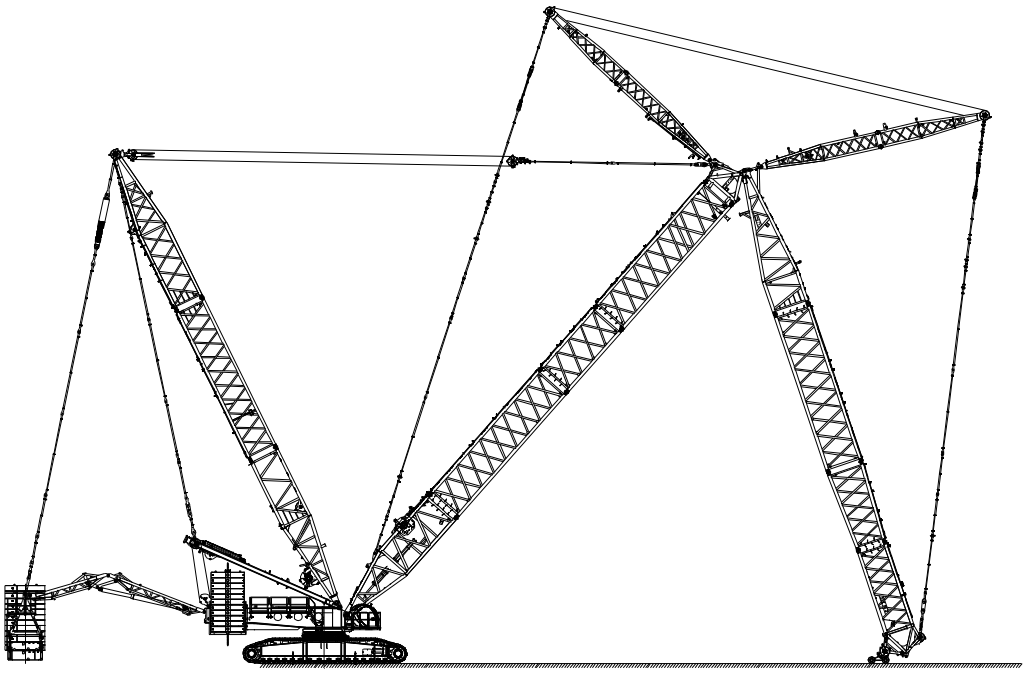
4) Luffing jib assembly





Assembly Plan





C

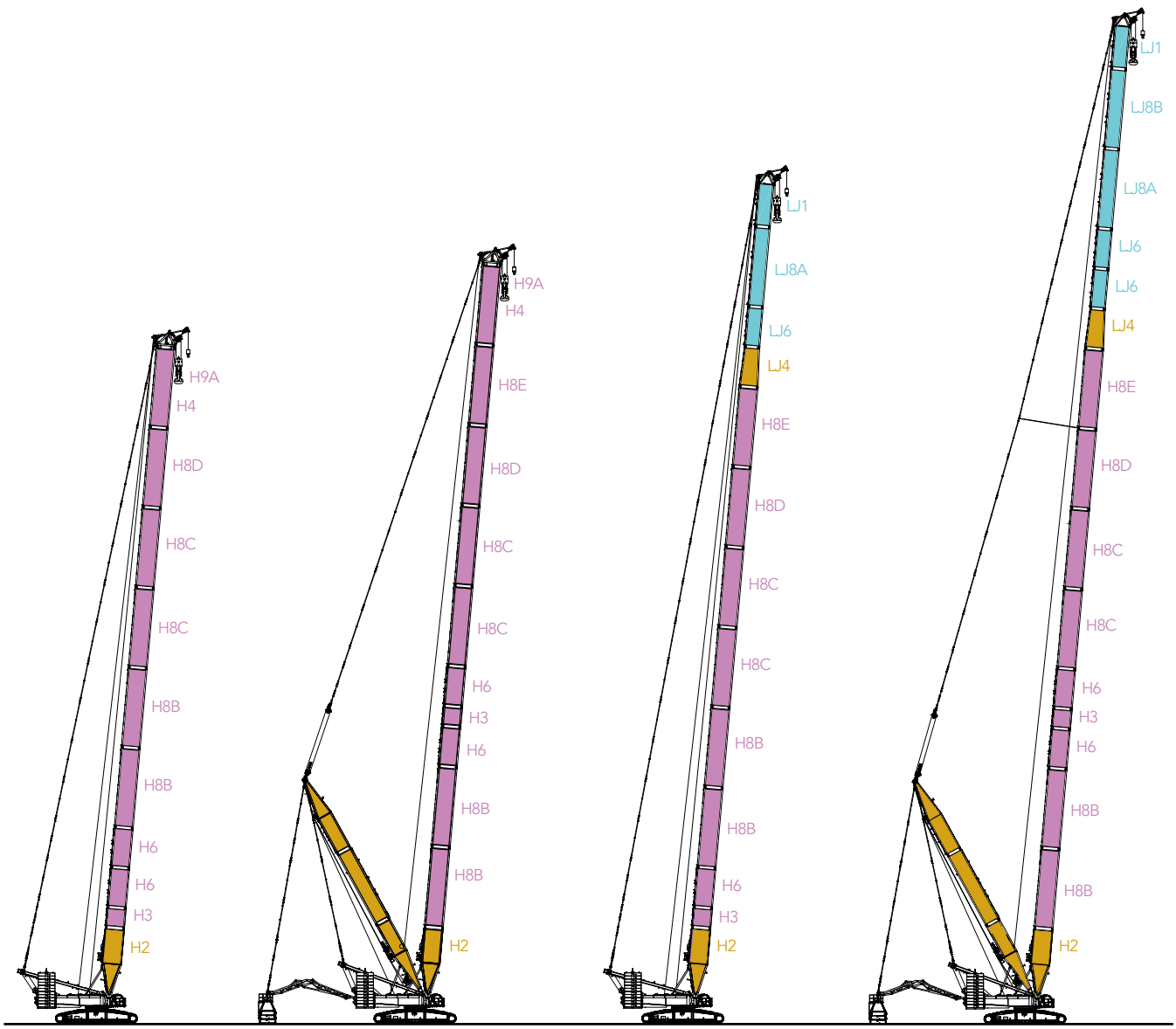
SCC8000A
SANY CRAWLER CRANE

QUALITY CHANGES THE WORLD

Configurations

- Page 30 Different Boom Configurations
- Page 35 H Configuration
- Page 39 HDB Configuration
- Page 42 HJ Configuration
- Page 45 HJDB Configuration
- Page 48 FJ Configuration
- Page 53 FJDB Configuration
- Page 58 HJFJ Configuration
- Page 63 HJFJ120 +15 Configuration
- Page 66 HJFJDB Configuration
- Page 71 HJDB_5 Configuration
- Page 75 HJDB_7 Configuration
- Page 78 HJDB_9 Configuration
- Page 81 HJFJDB_5 Configuration
- Page 89 HJFJDB_7 Configuration
- Page 94 HJFJDB_9 Configuration
- Page 99 HJFJDB_SY3 Configuration
- Page 104 LJ Configuration
- Page 112 LJDB Configuration

Combination



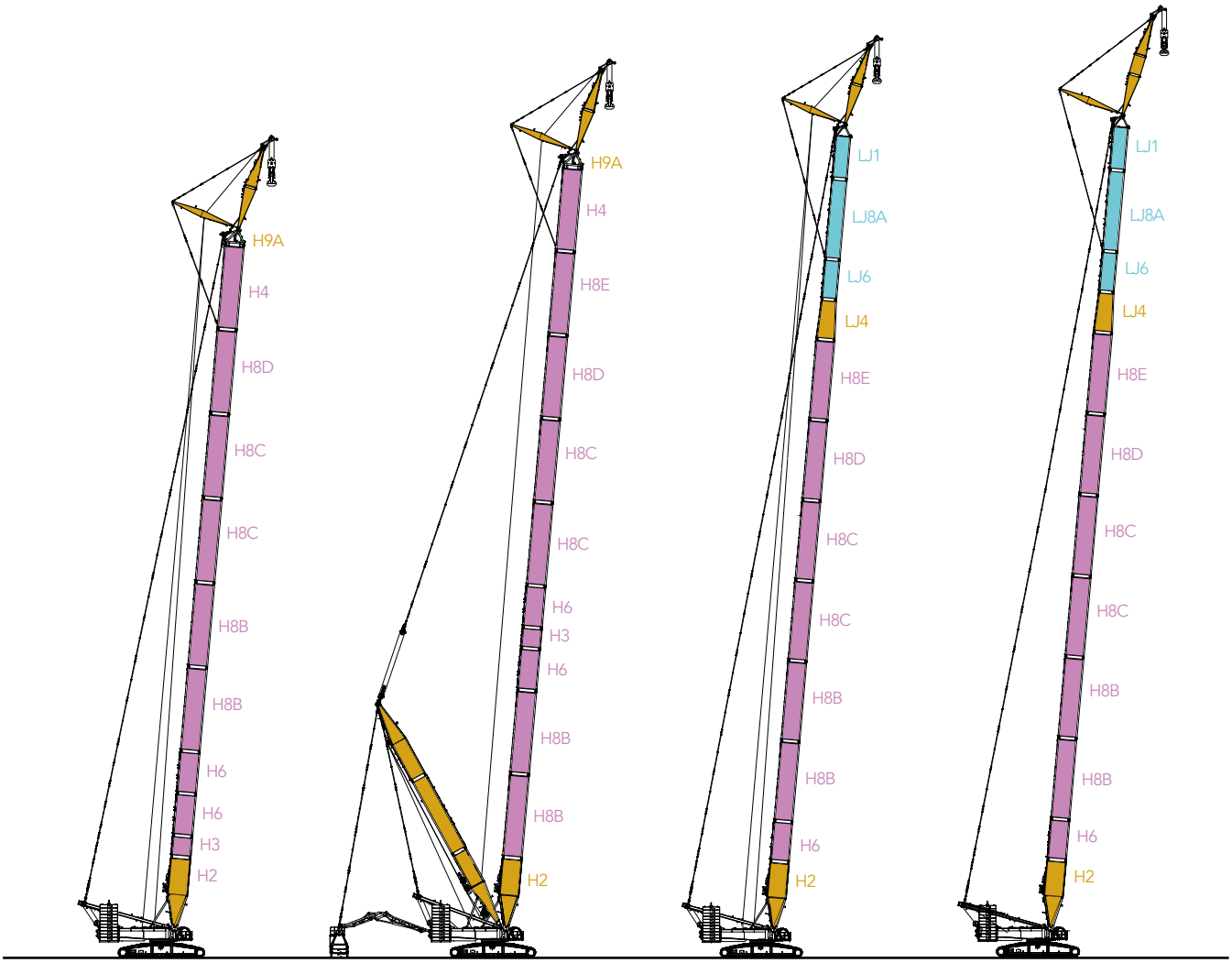
H
(24-99m)

HDB
(42-111m)

HJ
(84-123m)

HJDB
(90-147m)

Combination



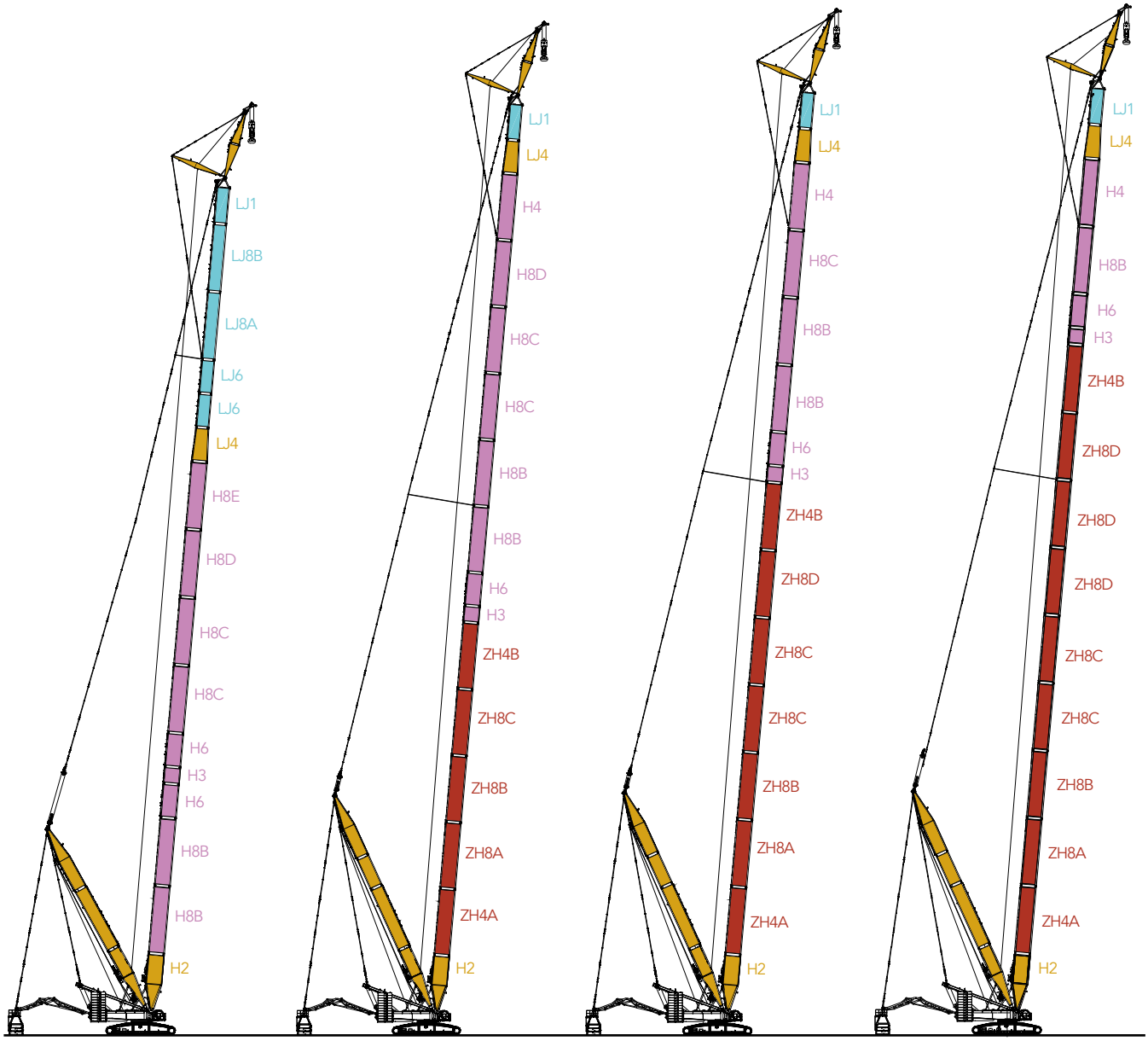
FJ
(84-99m+12m)

FJDB
(84-111m+12m)

HJFJ
(84-120m+12/15m)

HJFJ
(120m+15m)

Combination



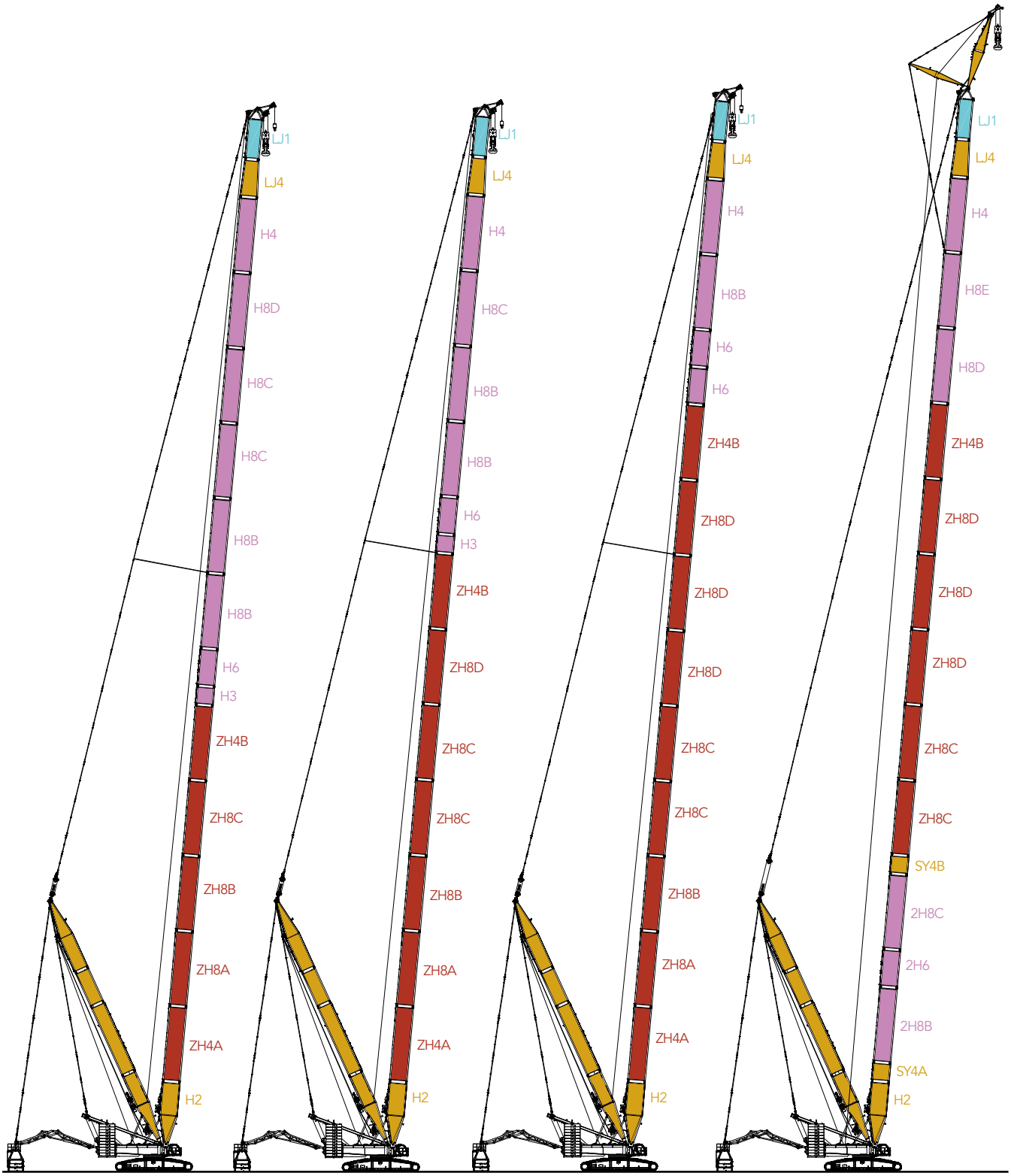
HJFJDB
(90-147m+12m)

HJFJDB_5
(120-165m+12m)

HJFJDB_7
(132-165m+12m)

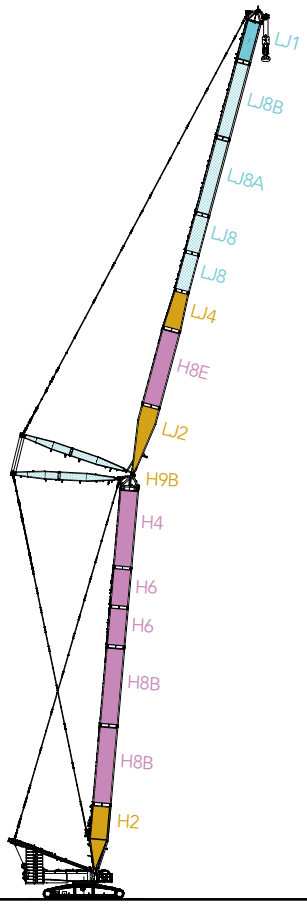
HJFJDB_9
(144-165m+12m)

Combination

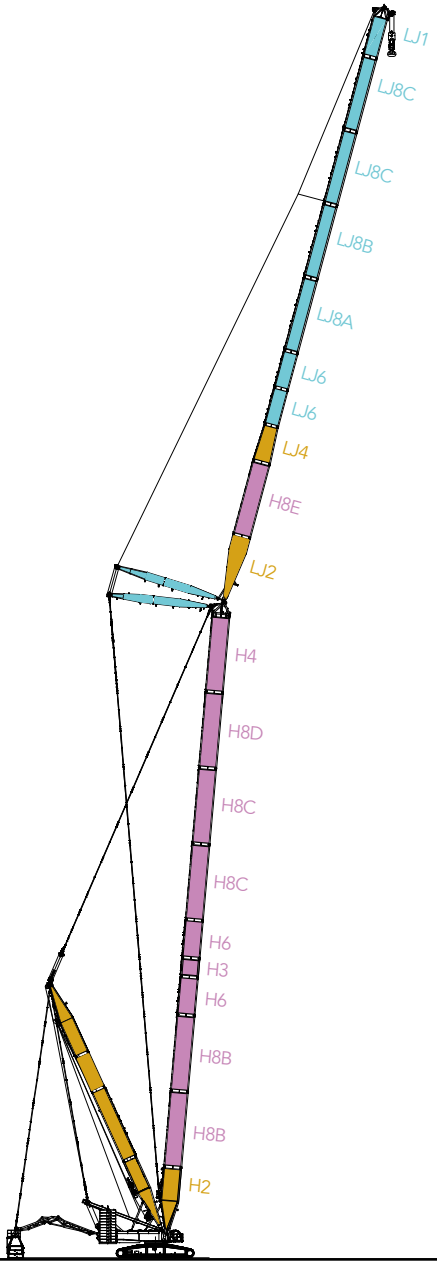


HJDB_5 (120-165m) | HJDB_7 (132-165m) | HJDB_9 (144-168m) | HJFJDB_SY3 (165-168m+12m)

Combination



LJ
(30-60+24-72m)

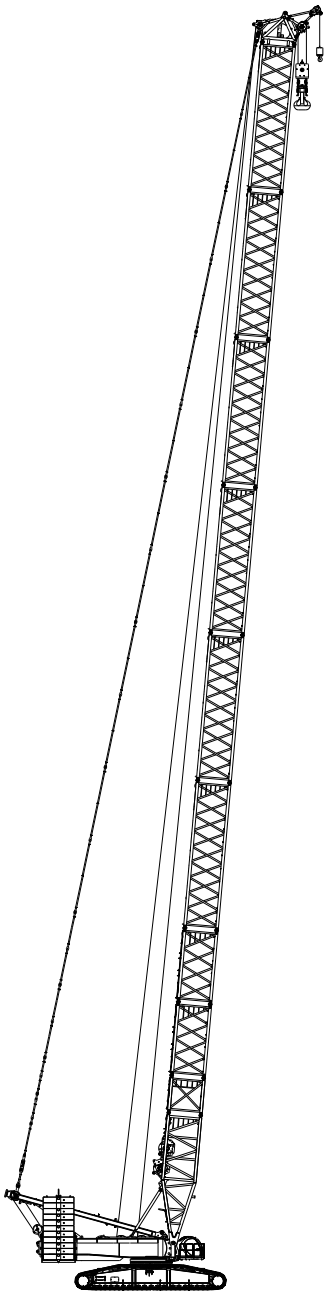


LJDB
(42-99+24-96m)

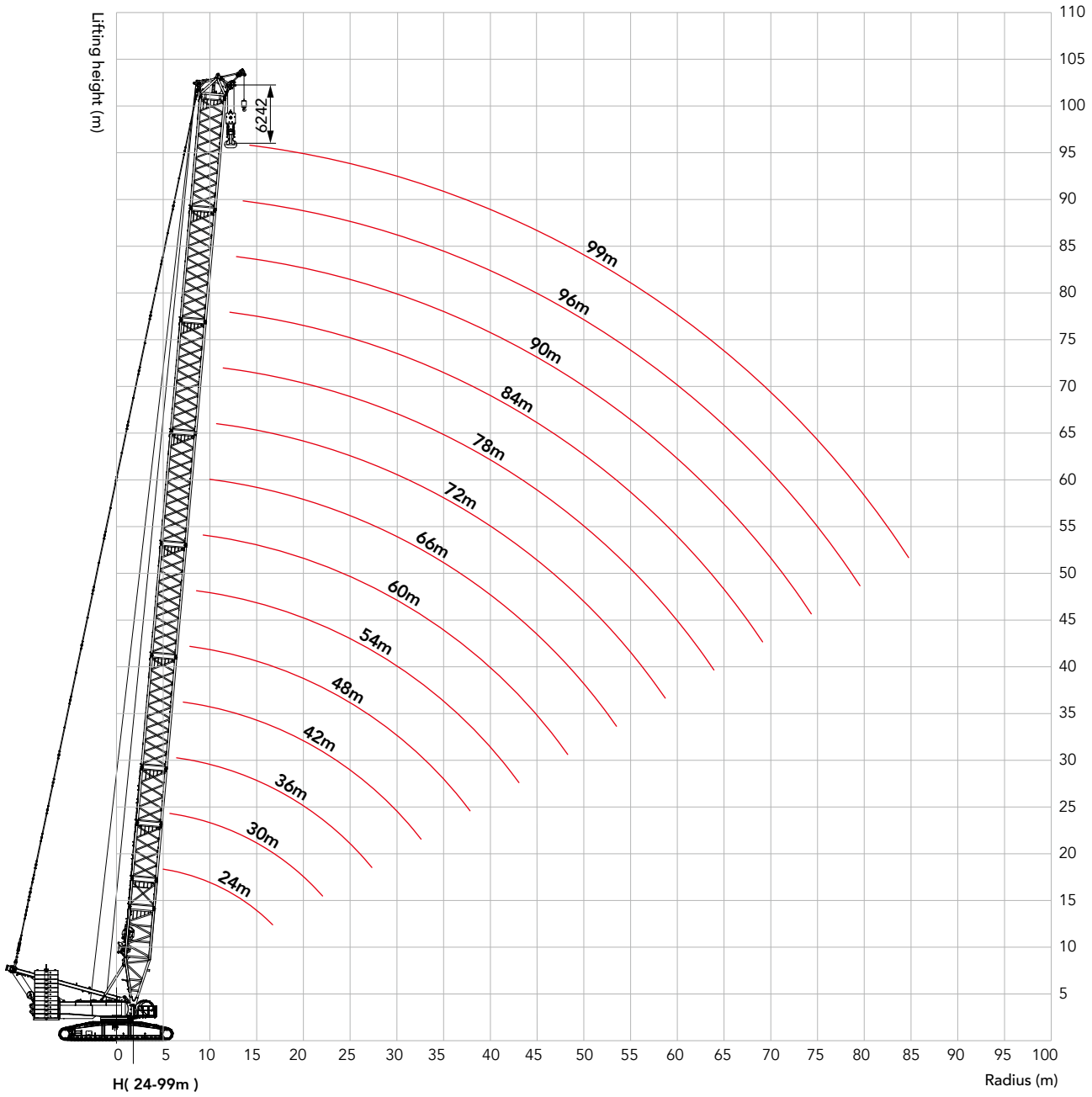
Boom combination in H

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 24 m basic boom is composed of 10.5 m boom base, 12 m boom transition section and boom connecting tip.



H working radius diagram



Unit: t

Load chart of H configuration

Note:
1. Meet the requirements of ISO4305.
2. The data with the asterisk mark (*) in the table means that the superlift counterweight in this configuration is not off the ground.
3. The rated load in the table includes the weight of the hook, wire rope and other lifting tools. To obtain the weight can be lifted, use the rated load in the table to minus the weights of hooks, wire ropes and other lifting tools.

H Configuration (Boom length 24~99m, Rear counterweight 230t)						
Carbody counterweight 80t						
Radius (m)	24	30	36	42	48	Radius (m)
6	800					6
7	708	701	694			7
8	605	600	595	589	584	8
9	528	524	520	515	508	9
10	468	465	461	457	449	10
11	419	417	414	410	401	11
12	379	377	375	372	361	12
14	317	316	314	312	301	14
16	272	271	270	266	257	16
18	236	236	235	231	223	18
20	202	203	204	203	196	20
22	175	177	177	177	174	22
24		155	156	155	155	24
26		138	138	138	137	26
28		123	124	124	123	28
30			112	111	111	30
32			101	101	100	32
34				92.4	91.8	34
36				84.4	83.9	36
38				77.3	76.9	38
40					70.6	40
44					60	44
48						48
52						52
56						56
60						60
64						64
68						68
72						72
76						76
80						80

Unit: t

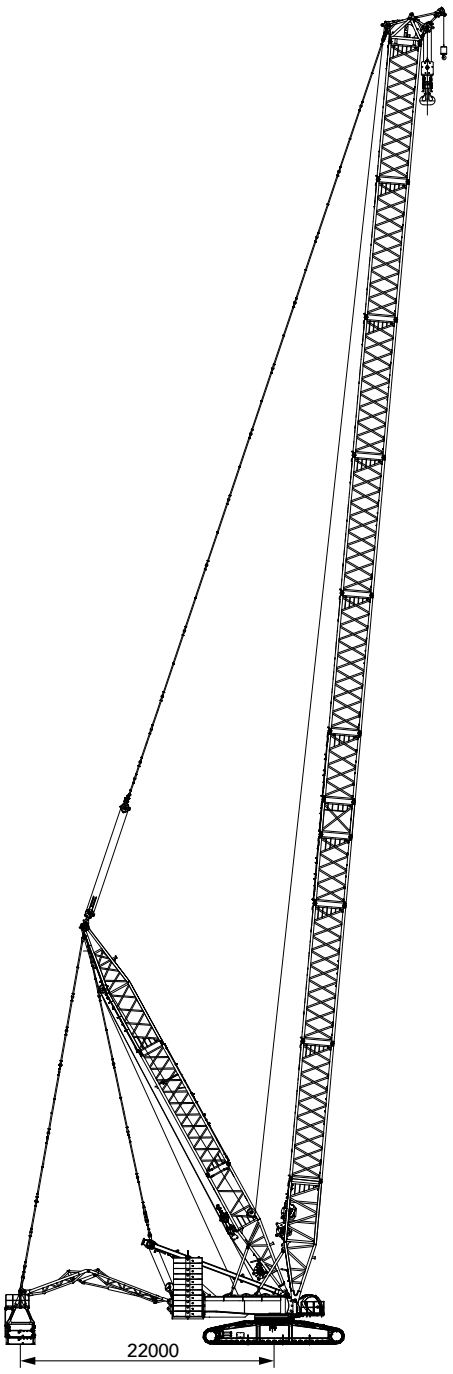
Load chart of H configuration

H Configuration (Boom length 24~99m, Rear counterweight 230t)										
Carbody counterweight 80t										
Radius (m)	54	60	66	72	78	84	90	96	99	Radius (m)
6										6
7										7
8										8
9	481	456								9
10	427	406	388	370						10
11	382	365	350	335	322	308				11
12	346	332	319	306	294	282	272	261		12
14	290	279	269	259	250	240	232	224	220	14
16	248	239	231	223	216	208	201	194	191	16
18	215	208	202	195	189	182	177	171	167	18
20	190	183	178	172	167	161	156	151	148	20
22	169	163	159	153	149	144	140	135	132	22
24	152	147	142	138	134	129	125	121	119	24
26	137	132	129	124	121	116	113	109	107	26
28	122	120	117	113	109	106	103	99.1	97.2	28
30	110	109	107	103	100	96.5	93.8	90.1	88.3	30
32	99.8	98.6	98	94.6	91.6	88.1	85.6	82.1	80.3	32
34	90.8	89.6	88.9	86.8	84	80.7	78.3	75	73.3	34
36	82.9	81.6	81	79.6	77.3	74	71.8	68.6	67	36
38	75.9	74.6	74	72.6	71.2	68	65.9	62.8	61.3	38
40	69.7	68.4	67.8	66.4	65.5	62.6	60.6	57.6	56.1	40
44	59.1	57.9	57.3	55.8	54.9	53.3	51.4	48.6	47.1	44
48	50.4	49.2	48.6	47.2	46.2	44.7	43.7	40.9	39.5	48
52		41.9	41.4	39.9	39	37.4	36.7	34.4	33	52
56			35.2	33.8	32.9	31.3	30.6	28.7	27.4	56
60				28.5	27.6	26.1	25.4	23.7	22.5	60
64				23.9	23.1	21.5	20.8	19.1	18.2	64
68					19	17.5	16.8	15.1	14.3	68
72						13.9	13.2	11.6	10.7	72
76							10.1	8.4	7.6	76
80							7.2	5.6		80

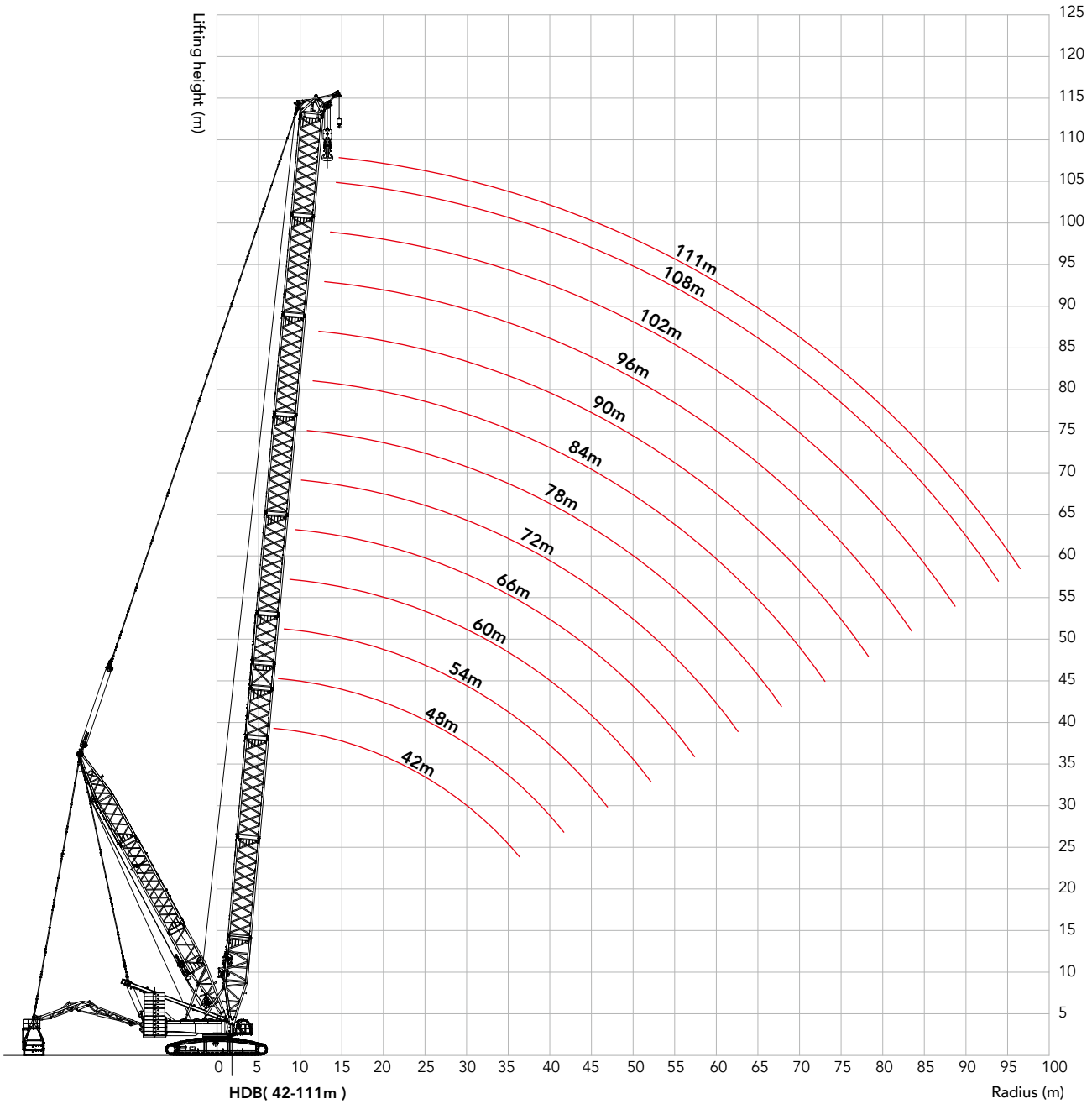
Boom combination in HDB

Boom combination in HDB						
Boom length (m)	Insert					
	3m	6m	12mB	12mC	12mD	12mE
42	-	1	1	-	-	-
48	-	2	1	-	-	-
54	-	1	2	-	-	-
60	-	2	2	-	-	-
66	-	1	2	1	-	-
72	-	2	2	1	-	-
78	-	1	2	2	-	-
84	-	2	2	2	-	-
90	-	1	2	2	1	-
96	-	2	2	2	1	-
102	-	1	2	2	1	1
108	-	2	2	2	1	1
111	1	2	2	2	1	1

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



HDB working radius diagram



Unit: t

Load chart of HDB configuration

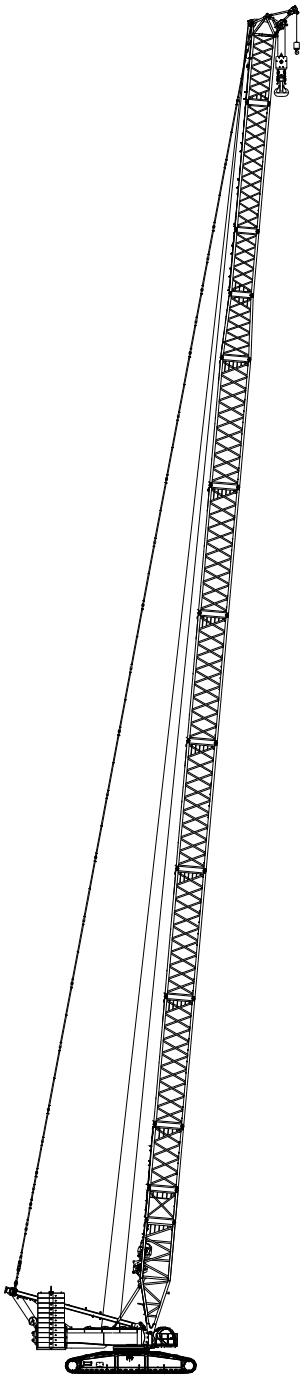
Note:
1. Meet the requirements of ISO4305.
2. The data with the asterisk mark (*) in the table means that the superlift counterweight in this configuration is not off the ground.
3. The rated load in the table includes the weight of the hook, wire rope and other lifting tools. To obtain the weight can be lifted, use the rated load in the table to minus the weights of hooks, wire ropes and other lifting tools.

HDB Configuration														
Boom length 42~111m, Superlift Radius 22m, Superlift CWT 390t, Rear CWT 230t, Carbody CWT 80t														
Radius (m)	42	48	54	60	66	72	78	84	90	96	102	108	111	Radius (m)
8	800*	792*												8
9	800*	791*	776*	754*										9
10	800*	796*	780*	758*	681*	577*								10
11	800*	800*	784*	760*	683*	578*	485*	419*						11
12	800*	800*	787*	768*	685*	580*	485*	419*	354*	311*				12
14	797	800*	797*	775	691*	581*	486*	420*	356*	311*	264*	236*	222*	14
16	675	751	688	669	647	585*	489*	422*	356*	312*	265*	235*	223*	16
18	614	634	634	588	571	550	492*	422*	357*	313*	265*	235*	222*	18
20	538	559	562	524	510	493	476	423*	358*	314*	265*	235*	222*	20
22	476	527	503	498	461	447	432	417	356*	312*	266*	235*	222*	22
24	450	473	455	452	420	408	396	382	357*	312*	265*	236*	223*	24
26	404	428	414	413	407	376	365	352	357*	312*	265*	235*	222*	26
28	364	389	400	379	375	367	338	327	336	312*	265*	235*	222*	28
30	350	377	368	350	348	341	315	305	313	303	264*	234*	221*	30
32	318	345	339	344	323	318	311	285	294	284	264*	234*	219*	32
34	288	316	313	319	302	297	292	268	276	268	260	232*	217*	34
36	278	310	308	297	299	279	274	267	261	253	246	230*	215*	36
38	251	285	286	277	281	262	259	252	247	239	233	225	213*	38
40		261	265	275	263	262	244	239	249	227	221	214	210	40
44		234	243	241	233	234	219	215	225	219	200	194	191	44
48			223	225	220	209	210	194	204	199	195	177	174	48
52				196	195	200	189	188	186	182	179	174	160	52
56					184	179	183	171	181	167	165	160	158	56
60						170	165	167	166	164	152	148	146	60
64						152	156	152	153	151	151	137	135	64
68							144	138	142	140	140	137	125	68
72								133	132	130	129	127	125	72
76									123	121	121	118	117	76
80									115	113	113	111	108	80
84										106	105	103	102	84
88											98.5	96.6	95.5	88
92												90.5	89.4	92
96												84.9	83.8	96

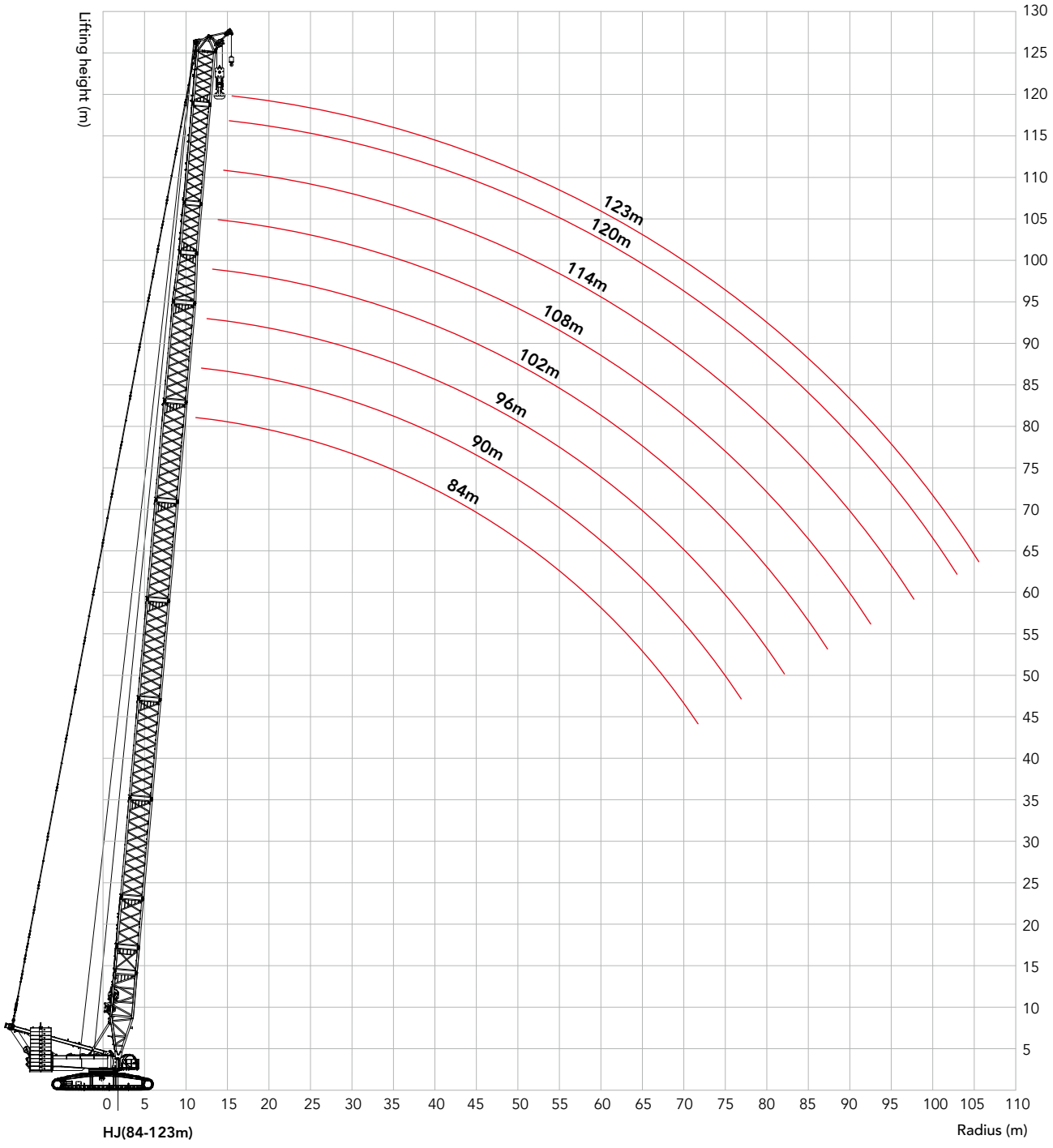
Boom combination in HJ

Boom combination in HJ								
Boom length (m)	Boom insert						Jib insert	
	3m	6m	12mB	12mC	12mD	12mE	6m	12mA
84	-	2	2	1	-	-	-	1
90	-	1	2	2	-	-	-	1
96	-	2	2	2	-	-	-	1
102	-	1	2	2	1	-	-	1
108	-	-	2	2	1	1	-	1
114	-	-	2	2	1	1	1	1
120	-	1	2	2	1	1	1	1
123	1	1	2	2	1	1	1	1

Note: The 10.5 m boom base, 6 m tapered section and 7.5 m jib top are must.



HJ working radius diagram



HJ(84-123m)

Unit: t

Load chart of HJ configuration

Note:
1. Meet the requirements of ISO4305.
2. The data with the asterisk mark (*) in the table means that the superlift counterweight in this configuration is not off the ground.
3. The rated load in the table includes the weight of the hook, wire rope and other lifting tools. To obtain the weight can be lifted, use the rated load in the table to minus the weights of hooks, wire ropes and other lifting tools.

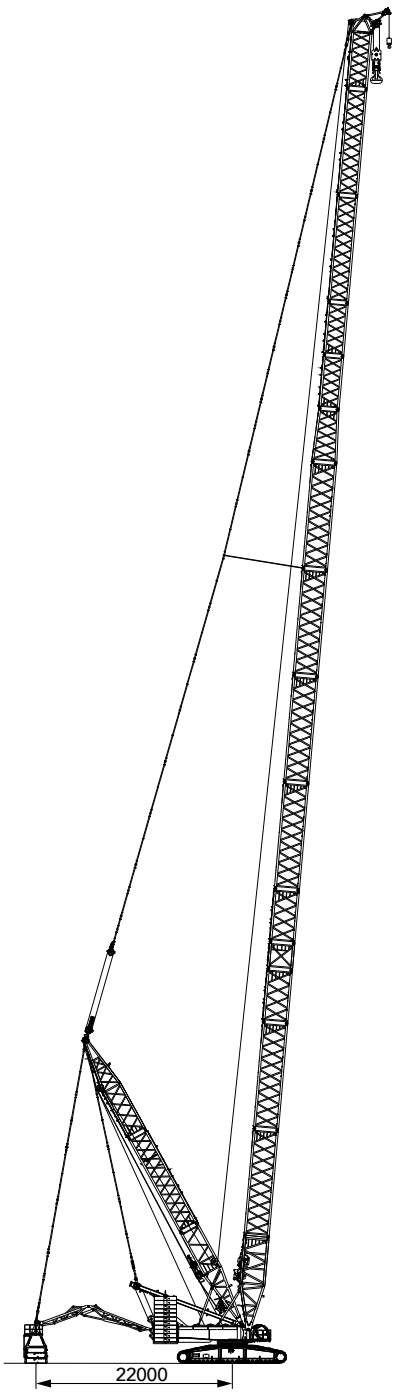
HJ Configuration									
Boom length 84~123m, Rear counterweight 230t, Carbody counterweight 80t									
Radius (m)	84	90	96	102	108	114	120	123	Radius (m)
11	316								11
12	291	280	269						12
14	249	241	232	222	187	162	144		14
16	217	210	203	197	180	156	139	131	16
18	191	185	179	174	169	151	134	126	18
20	170	165	160	155	151	146	129	121	20
22	153	148	144	140	136	132	124	116	22
24	138	134	130	126	123	120	116	112	24
26	126	122	118	115	112	109	105	103	26
28	115	112	108	105	102	99.7	96.2	94.3	28
30	106	102	99.2	96.5	94.1	91.4	88	86.3	30
32	97.6	94.7	91.3	88.7	86.5	84	80.7	79.1	32
34	90.2	87.5	84.2	81.8	79.7	77.3	74.2	72.6	34
36	83.6	81	77.8	75.6	73.6	71.3	68.3	66.8	36
38	77.7	75.2	72.1	70	68.1	65.9	63	61.5	38
40	72.3	69.9	67	64.9	63.1	61	58.2	56.7	40
44	61.9	60.8	57.9	56	54.4	52.4	49.7	48.3	44
48	53.3	52.2	50.3	48.5	47	45.2	42.6	41.2	48
52	46.1	45	43.4	42.1	40.7	39	36.4	35.1	52
56	40	38.9	37.3	36.5	35.3	33.6	31.1	29.8	56
60	34.8	33.7	32.1	31.2	30.5	28.9	26.4	25.2	60
64	30.2	29.2	27.5	26.7	26.1	24.7	22.3	21.1	64
68	26.3	25.2	23.6	22.7	22.1	21	18.6	17.4	68
72	22.7	21.7	20	19.2	18.6	17.7	15.4	14.2	72
76		18.5	16.9	16.1	15.5	14.5	12.4	11.2	76
80		15.7	14.1	13.3	12.7	11.7	9.7	8.5	80
84			11.5	10.7	10.1	9.2	7.3	6.1	84
88				8.4	7.8	6.9	5		88
92					5.7				92

Boom combination in HJDB

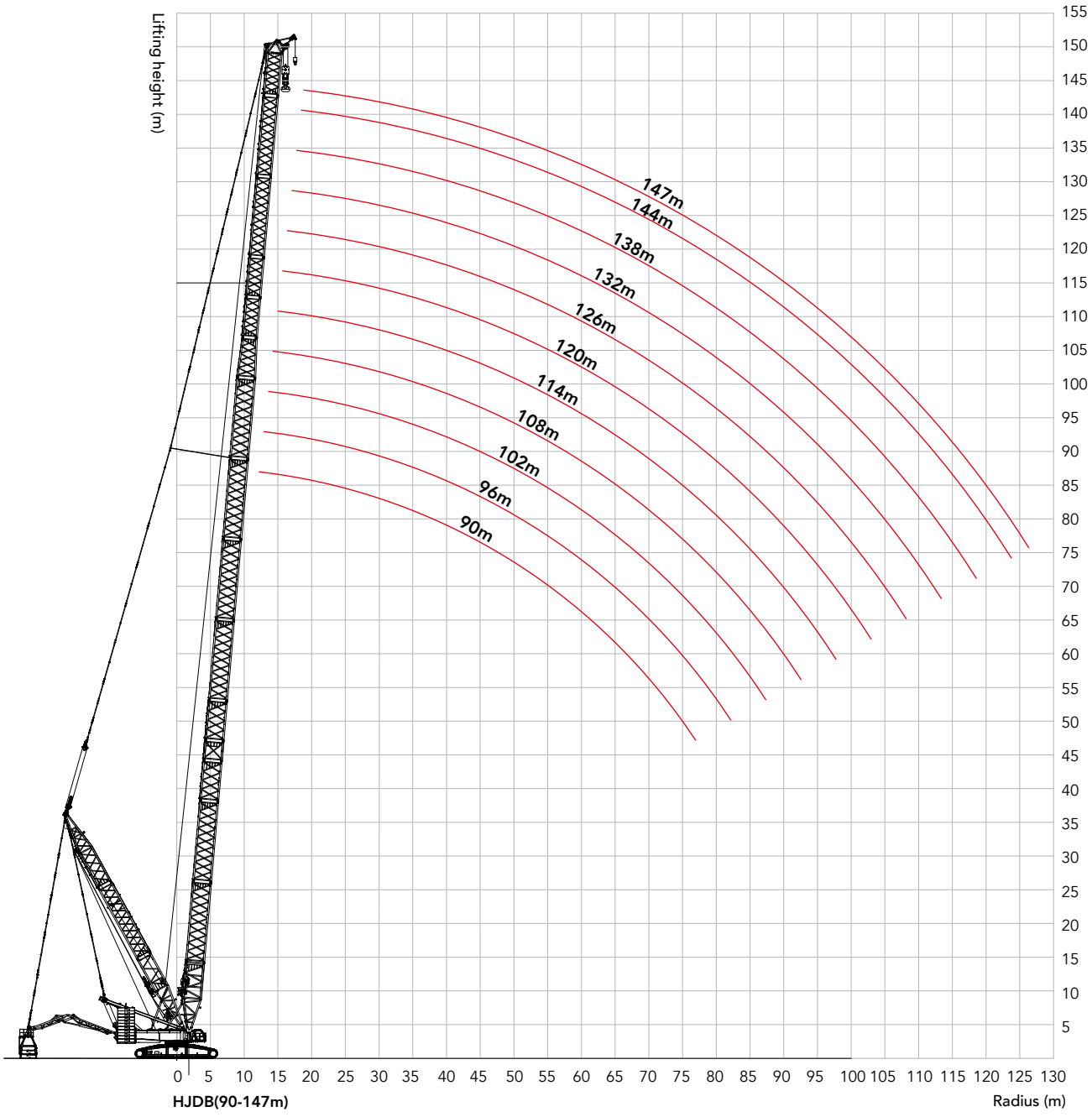
Boom combination in HJDB

Boom length (m)	Boom insert						Jib insert		
	3m	6m	12mB	12mC	12mD	12mE	6m	12mA	12mB
90	-	1	2	2	-	-	-	1	-
96	-	2	2	2	-	-	-	1	-
102	-	1	2	2	1	-	-	1	-
108	-	2	2	2	1	-	-	1	-
114	-	1	2	2	1	1	-	1	-
120	-	1	2	2	1	1	1	1	-
126	-	1	2	2	1	1	-	1	1
132	-	1	2	2	1	1	1	1	1
138	-	2	2	2	1	1	1	1	1
144	-	2	2	2	1	1	2	1	1
147	1	2	2	2	1	1	2	1	1

Note: The 10.5 m boom base, 6 m tapered section and 7.5 m jib top are must.
The mid-point suspension cable must be used for the boom length of 120m-147m in this working condition, otherwise, the boom system may be broken.



HJDB working radius diagram



Unit: t

Load chart of HJDB configuration

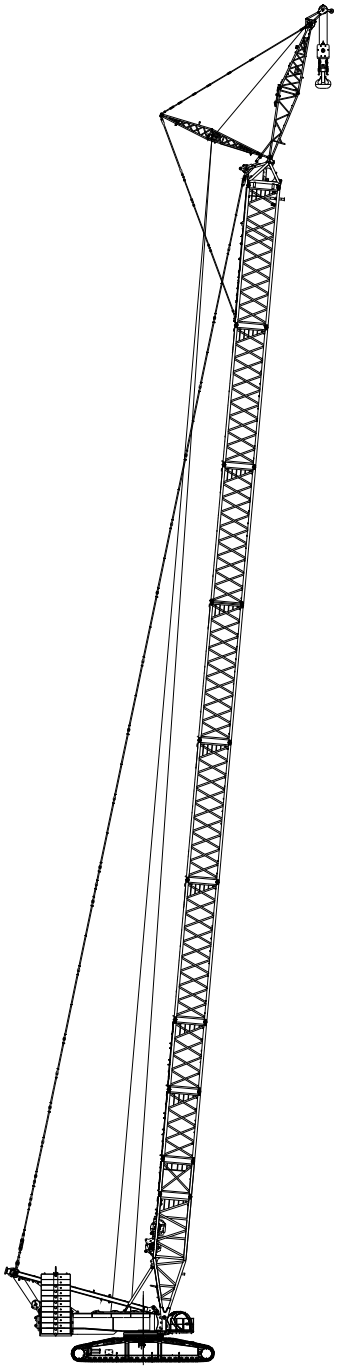
Note:
1. Meet the requirements of ISO4305.
2. The data with the asterisk mark (*) in the table means that the superlift counterweight in this configuration is not off the ground.
3. The rated load in the table includes the weight of the hook, wire rope and other lifting tools. To obtain the weight can be lifted, use the rated load in the table to minus the weights of hooks, wire ropes and other lifting tools.

HJDB Configuration												
	Boom length 90~147m Superlift Radius 22m Superlift CWT 390t Rear CWT 230t Carbody CWT 80t											
Radius (m)	90	96	102	108	114	120	126	132	138	144	147	Radius (m)
14	344*	309*	266*									14
16	346*	310*	266*	239*	204*	178*						16
18	348*	310*	266*	239*	204*	178*	155*	133*	122*			18
20	349*	310*	266*	239*	204*	179*	154*	132*	121*	104*	98.8*	20
22	350*	310*	266*	238*	205*	178*	153*	131*	120*	103*	98.0*	22
24	322	310*	265*	238*	204*	177*	152*	130*	118*	101*	97.0*	24
26	297	305	266*	237*	203*	176*	151*	129*	117*	100*	96.1*	26
28	277	284	259	237*	202*	175*	150*	128*	116*	99.4*	95.1*	28
30	258	266	242	236*	200*	174*	148*	127*	115*	98.4*	94.1*	30
32	243	249	228	234	198*	172*	147*	125*	114*	97.4*	93.2*	32
34	228	235	215	221	196*	171*	146*	124*	113*	96.5*	92.3*	34
36	216	222	203	209	194*	170*	145*	123*	112*	95.8*	91.4*	36
38	217	211	192	198	192*	169*	144*	122*	111*	94.8*	90.5*	38
40	206	200	183	188	184	168*	143*	121*	110*	93.9*	89.6*	40
44	187	194	166	171	167	163	140*	119*	108*	92.0*	87.8*	44
48	170	177	162	157	153	149	138*	116*	107*	90.2*	86.1*	48
52	155	163	149	155	141	137	134	114*	105*	88.4*	84.4*	52
56	152	150	137	143	140	127	124	112*	103*	86.7*	82.8*	56
60	140	149	127	132	130	127	115	110*	101*	85.0*	81.2*	60
64	129	137	126	123	120*	118	116	108*	99.3*	83.3*	79.6*	64
68	127	127	117	117*	108*	110	108	105	97.5*	81.6*	78.1*	68
72	117	120*	108	105*	98.2*	103	101	99.2	95.6	80.0*	76.5*	72
76	114*	108*	104*	94.6*	88.8*	105	95.5	93.1	89.8	78.4*	75.0*	76
80	99.6*	94.2*	91.6*	84.0*	79.7*	98.7	97.4	87.5	84.4	76.9*	73.7*	80
84		83.1*	81.3*	74.7*	71.1*	92.5	91.5	89.6	79.3	75.3*	72.3*	84
88			71.1*	65.8*	62.7*	86.7	86.0	84.4	74.6	72.6	70.9*	88
92				57.1*	54.6*	88.8	80.7	79.4	76.9	68.3	66.8	92
96					48.1*	83.0	83.1	74.7	72.4	70.8	68.0*	96
100					40.6*	77.3	77.9	77.2	68.2	66.7	65.4	100
104						79.3	72.8	72.5	64.0	62.8	61.6	104
108							75.1	67.9	66.6	59.0	57.9	108
112								63.4	62.4	61.7	60.7	112
116								65.6	58.3	57.9	57.0	116
120									60.8	54.1	53.4	120
124										56.8	49.8	124
128											52.5	128

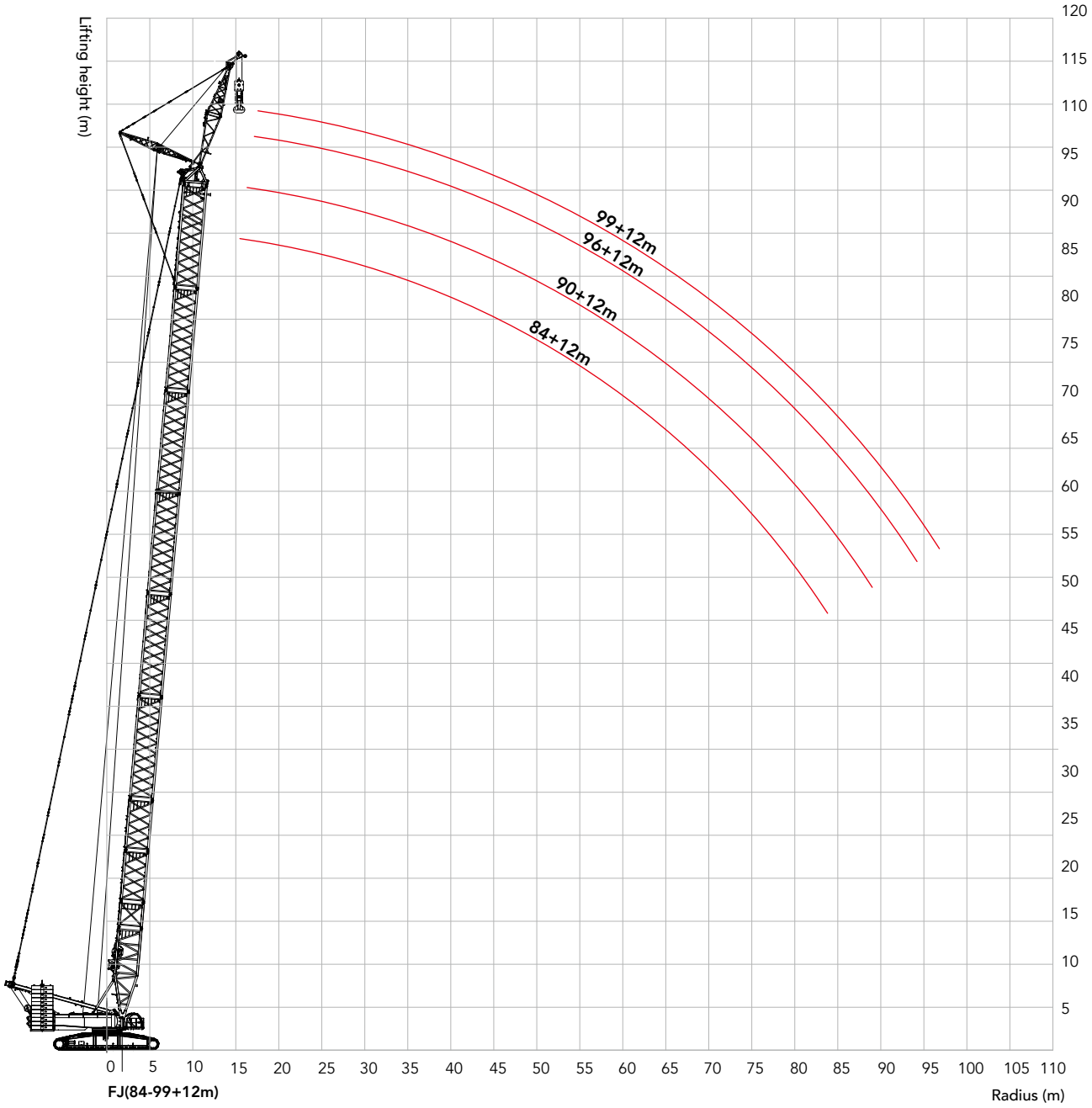
Boom combination in FJ

Boom combination in FJ						
Boom length (m)	Boom insert					
	3m	6m	12mB	12mC	12mD	
84	-	2	2	2	-	Fixed jib 12
90	-	1	2	2	1	
96	-	2	2	2	1	
99	1	2	2	2	1	

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



FJ working radius diagram



Unit: t

Load chart of FJ configuration

Note:
1. Meet the requirements of ISO4305.
2. The data with the asterisk mark (*) in the table means that the superlift counterweight in this configuration is not off the ground.
3. The rated load in the table includes the weight of the hook, wire rope and other lifting tools. To obtain the weight can be lifted, use the rated load in the table to minus the weights of hooks, wire ropes and other lifting tools.

FJ Configuration 1/3					
Boom length 84~99m, Jib length 12m, Boom to jib angle 10°, Rear counterweight 230t, Carbody counterweight 80t					
Radius (m)	84	90	96	99	Radius (m)
14	171	167			14
16	165	162	160	158	16
18	159	157	154	153	18
20	154	151	149	147	20
22	143	139	135	132	22
24	129	126	121	119	24
26	117	114	110	108	26
28	107	104	100	98.8	28
30	98.3	95.5	92	90.2	30
32	90.2	87.6	84.2	82.5	32
34	83	80.6	77.3	75.7	34
36	76.6	74.3	71.2	69.6	36
38	70.8	68.6	65.6	64	38
40	65.5	63.4	60.5	59	40
44	56.4	54.4	51.6	50.2	44
48	48.7	46.8	44.1	42.7	48
52	42.1	40.3	37.7	36.3	52
56	36.1	34.7	32.1	30.8	56
60	30.8	29.8	27.3	26	60
64	26.1	25.3	23	21.7	64
68	22.1	21.2	19.1	17.9	68
72	18.5	17.6	15.7	14.5	72
76	15.3	14.4	12.6	11.4	76
80	12.4	11.6	9.8	8.6	80
84	9.8	9	7.3	6.1	84
88		6.6			88

Unit: t

Load chart of FJ configuration

FJ Configuration 2/3					
Boom length 84~99m, Jib length 12m, Boom to jib angle 15°, Rear counterweight 230t, Carbody counterweight 80t					
Radius (m)	84	90	96	99	Radius (m)
16	161	158	155	154	16
18	155	153	150	149	18
20	151	148	146	145	20
22	145	141	136	134	22
24	131	127	123	121	24
26	119	115	111	109	26
28	108	105	101	100	28
30	99.3	96.5	93.1	91.3	30
32	91.2	88.6	85.3	83.6	32
34	83.9	81.5	78.3	76.7	34
36	77.4	75.1	72	70.5	36
38	71.6	69.4	66.4	64.9	38
40	66.3	64.2	61.3	59.8	40
44	57	55.1	52.3	50.9	44
48	49.2	47.4	44.7	43.4	48
52	42.6	40.8	38.2	36.9	52
56	36.5	35.2	32.6	31.3	56
60	31.1	30.2	27.7	26.4	60
64	26.5	25.6	23.4	22.1	64
68	22.4	21.5	19.5	18.3	68
72	18.7	17.9	16	14.8	72
76	15.5	14.7	12.9	11.7	76
80	12.6	11.8	10.1	8.9	80
84	9.9	9.1	7.5	6.3	84
88		6.7	5.1		88

Unit: t

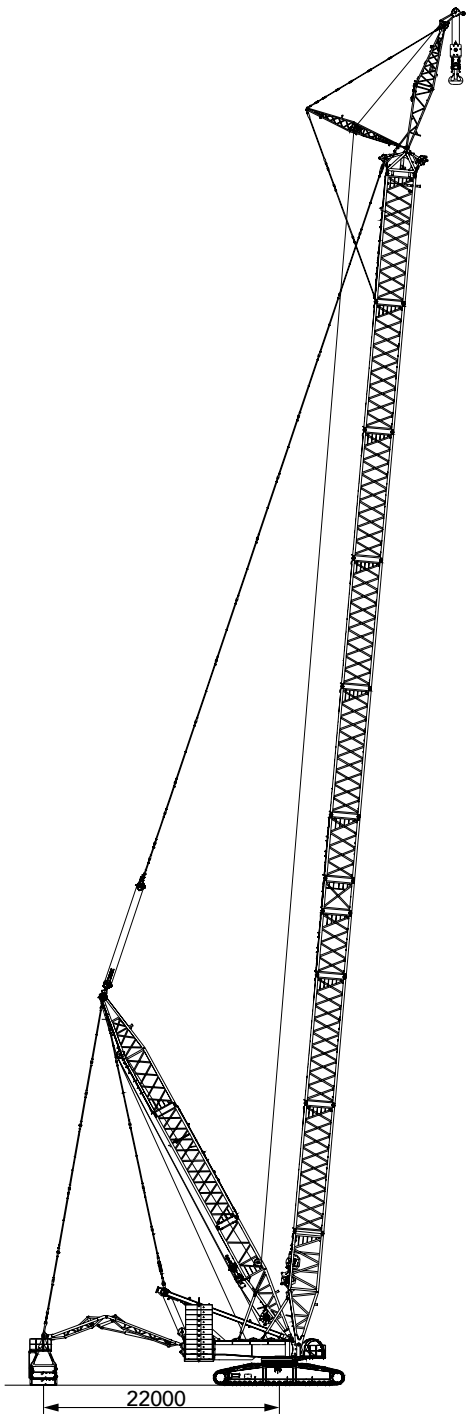
Load chart of FJ configuration

FJ Configuration 3/3					
Boom length 84~99m, Jib length 12m, Boom to jib angle 20°, Rear counterweight 230t, Carbody counterweight 80t					
Radius (m)	84	90	96	99	Radius (m)
16	105	106			16
18	101	102	104	103	18
20	97.6	98.5	99.3	100	20
22	93.9	95.3	96.6	96.7	22
24	90.9	92.2	93.9	94.4	24
26	87.9	89.4	90.8	91.3	26
28	85.6	86.9	88.7	89	28
30	82.6	84.5	85.7	86.8	30
32	80.4	82.1	83.6	84.6	32
34	78.7	79.8	79.3	77.7	34
36	76.7	76	73	71.4	36
38	72.4	70.2	67.2	65.8	38
40	67	64.9	62.1	60.6	40
44	57.7	55.7	53	51.6	44
48	49.8	48	45.3	44	48
52	43.1	41.3	38.8	37.5	52
56	36.9	35.6	33.1	31.8	56
60	31.5	30.6	28.1	26.9	60
64	26.8	26	23.7	22.5	64
68	22.6	21.8	19.8	18.6	68
72	19	18.2	16.3	15.1	72
76	15.7	14.9	13.2	12	76
80	12.7	11.9	10.3	9.1	80
84	10	9.3	7.7	6.5	84
88		6.8	5.2		88

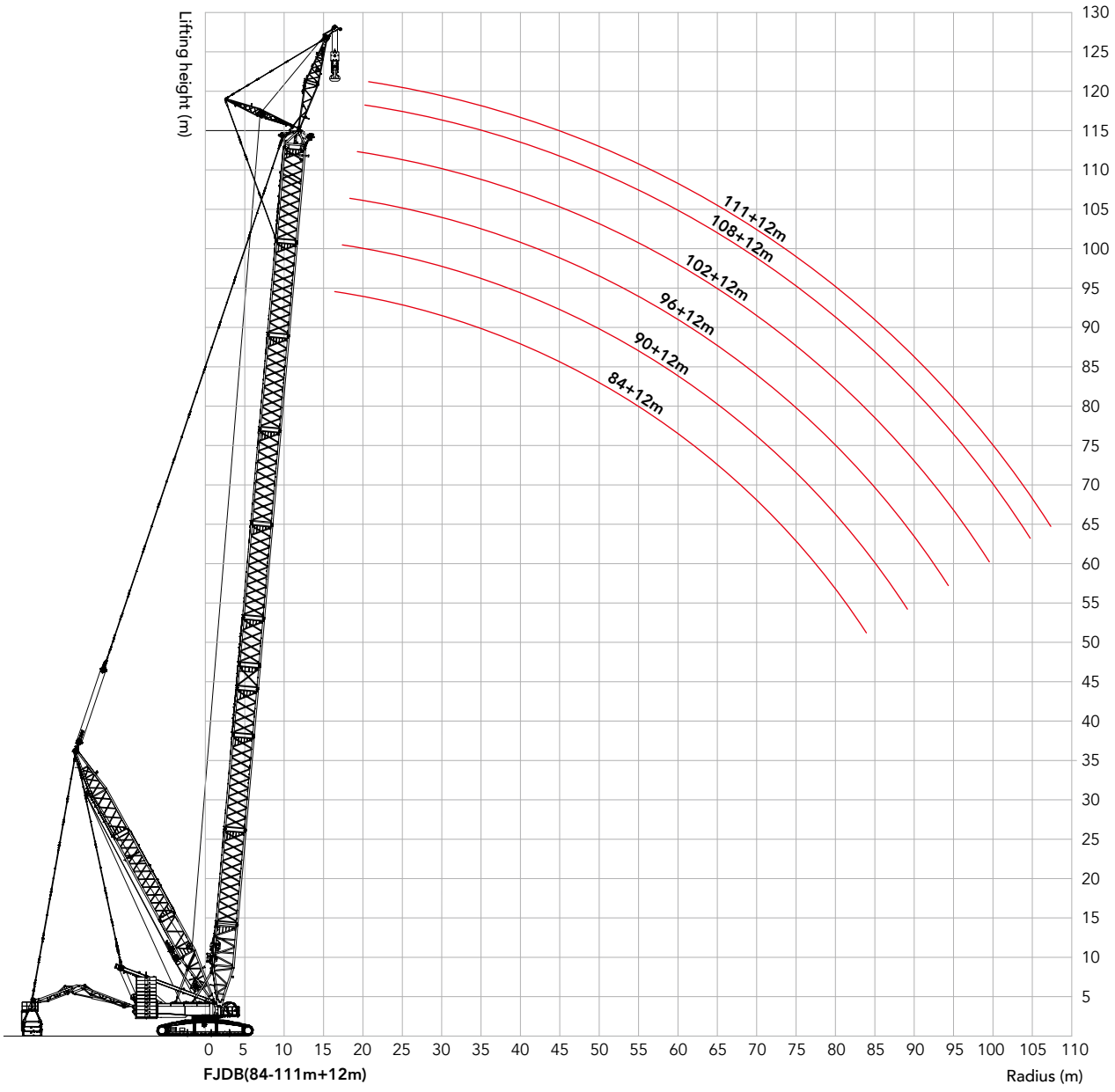
Boom combination in FJDB

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

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



FJDB working radius diagram



FJDB(84-111m+12m)

Unit: t

Load chart of FJDB configuration

Note:
1. Meet the requirements of ISO4305.
2. The data with the asterisk mark (*) in the table means that the superlift counterweight in this configuration is not off the ground.
3. The rated load in the table includes the weight of the hook, wire rope and other lifting tools. To obtain the weight can be lifted, use the rated load in the table to minus the weights of hooks, wire ropes and other lifting tools.

FJDB Configuration 1/3							
Boom length 84~111m Jib length12m Boom to jib angle10° Superlift Radius 22m Superlift CWT 390t Rear CWT 230t Carbody CWT 80t							
Radius (m)	84	90	96	102	108	111	Radius (m)
14	180*	177*	174*				14
16	179*	175*	173*	168*	165*	164*	16
18	178*	175*	172*	167*	164*	162*	18
20	176*	173*	171*	166*	164*	162*	20
22	175*	172*	170*	166*	162*	160*	22
24	173*	171*	168*	165*	162*	160*	24
26	169*	168*	166*	163*	160*	158*	26
28	167*	164*	163*	160*	157*	156*	28
30	164*	162*	161*	158*	155*	154*	30
32	162*	160*	158*	156*	153*	151*	32
34	159*	158*	156*	153*	151*	149*	34
36	157*	156*	154*	151*	148*	148*	36
38	154*	154*	152*	149*	148*	146*	38
40	152*	151*	150*	147*	145*	144*	40
44	148*	147*	146*	143*	141*	140*	44
48	145*	144*	142*	140*	138*	137*	48
52	141*	139*	139*	137*	134	131	52
56	137*	136*	135*	134*	123	121	56
60	131*	132	129	127	123	121	60
64	122	130*	119	117	114	112	64
68	112	121	119	109	106	104	68
72	111	112	110	110	98.7	97.1	72
76	102	113	102	102	100	90.4	76
80	102	104	104	95.2	93.2	92.0	80
84	92.7	95.8	96.2	88.4	86.9	85.8	84
88		96.5	88.8	90.0	80.8	79.9	88
92		87.8	90.1	83.3	82.8	82.1	92
96			82.4	85.2	76.8	76.4	96
100				78.3	71.1	70.8	100
104					72.9	73.1	104
108						67.3	108

Unit: t

Load chart of FJDB configuration

FJDB Configuration 2/3							
Boom length 84~111m Jib length12m Boom to jib angle15° Superlift Radius 22m Superlift CWT 390t Rear CWT 230t Carbody CWT 80t							
Radius (m)	84	90	96	102	108	111	Radius (m)
14	177*						14
16	169*	171*	171*	170*	167*		16
18	161*	164*	165*	165*	165*	163*	18
20	155*	157*	159*	160*	161*	160*	20
22	148*	151*	153*	155*	155*	156*	22
24	143*	146*	148*	149*	151*	152*	24
26	138*	141*	143*	144*	146*	148*	26
28	133*	136*	138*	141*	142*	144*	28
30	129*	131*	134*	136*	139*	139*	30
32	125*	127*	130*	132*	135*	136*	32
34	120*	123*	126*	128*	131*	133*	34
36	116*	120*	123*	126*	128*	129*	36
38	114*	117*	120*	122*	125*	126*	38
40	111*	114*	117*	119*	121*	123*	40
44	105*	107*	111*	113*	116*	117*	44
48	98.8*	102*	105*	108*	111*	112*	48
52	94.5*	97.5*	100*	104*	106*	107*	52
56	90.3*	93.1*	96.6*	99.3*	102*	103*	56
60	86.1*	89.3*	92.6*	95.1*	98.0*	99.3*	60
64	82.7*	85.6*	88.7*	91.9*	94.1*	95.4*	64
68	80.1*	82.6*	85.3*	88.3*	91.2*	92.4*	68
72	76.8*	79.6*	83.0*	85.6*	88.2*	89.4*	72
76	74.2*	77.2*	79.6*	82.5*	85.2*	86.4*	76
80	72.4*	74.7*	77.2*	80.2*	82.1*	83.4*	80
84	70.4*	73.0*	74.9*	77.6*	79.9*	81.2*	84
88		70.9*	73.4*	75.8*	77.6*	79.1*	88
92		69.3*	71.3*	73.4*	76.0*	74.7	92
96			70.0*	71.7*	73.8	75.0	96
100				70.2	71.4	71.1	100
104					70.7	65.7	104
108						67.6	108

Unit: t

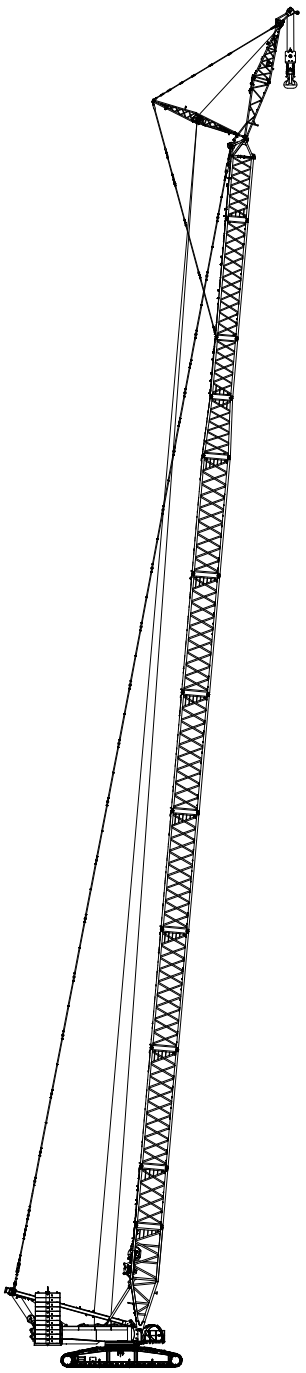
Load chart of FJDB configuration

FJDB Configuration 3/3							
Boom length 84~111m Jib length12m Boom to jib angle20° Superlift Radius 22m Superlift CWT 390t Rear CWT 230t Carbody CWT 80t							
Radius (m)	84	90	96	102	108	111	Radius (m)
16	106*	107*	108*				16
18	102*	103*	104*	105*	105*	105*	18
20	98.2*	99.6*	101*	102*	102*	103*	20
22	95.1*	96.1*	97.6*	98.5*	99.3*	99.6*	22
24	91.9*	93.3*	94.4*	95.6*	96.7*	97.5*	24
26	88.6*	90.5*	91.8*	92.8*	94.0*	94.5*	26
28	86.1*	87.6*	89.2*	90.4*	91.8*	92.4*	28
30	83.5*	85.3*	86.5*	88.0*	89.6*	90.2*	30
32	80.9*	82.3*	84.4*	85.6*	87.3*	88.0*	32
34	78.7*	80.7*	82.3*	83.7*	85.1*	85.9*	34
36	76.4*	78.4*	80.2*	81.8*	82.8*	83.7*	36
38	74.5*	76.1*	78.1*	79.3*	81.5*	81.9*	38
40	72.7*	74.4*	76.6*	78.1*	79.3*	80.2*	40
44	68.9*	71.1*	72.9*	74.3*	75.7*	76.7*	44
48	65.9*	67.8*	69.8*	71.5*	73.0*	74.1*	48
52	63.2*	65.1*	66.7*	68.7*	70.4*	71.1*	52
56	60.6*	62.4*	64.2*	66.0*	67.7*	68.5*	56
60	58.4*	60.4*	61.7*	63.7*	65.1*	66.1*	60
64	56.2*	58.1*	60.0*	61.4*	63.4*	63.9*	64
68	54.4*	56.4*	58.1*	59.7*	60.9*	62.2*	68
72	52.6*	54.4*	56.2*	57.9*	59.2*	60.1*	72
76	51.1*	53.0*	54.3*	56.1*	57.4*	58.3*	76
80	50.0*	51.7*	52.9*	54.3*	56.1*	57.0*	80
84	48.8*	50.2*	51.5*	53.0*	54.7*	55.2*	84
88		49.2*	50.5*	51.6*	53.3*	53.9*	88
92		48.3*	49.4*	50.6*	51.9*	52.5*	92
96			48.3*	49.4*	50.8*	51.7*	96
100				48.9*	50.0*	50.8*	100
104					48.9*	49.7*	104
108					48.3*	48.6*	108

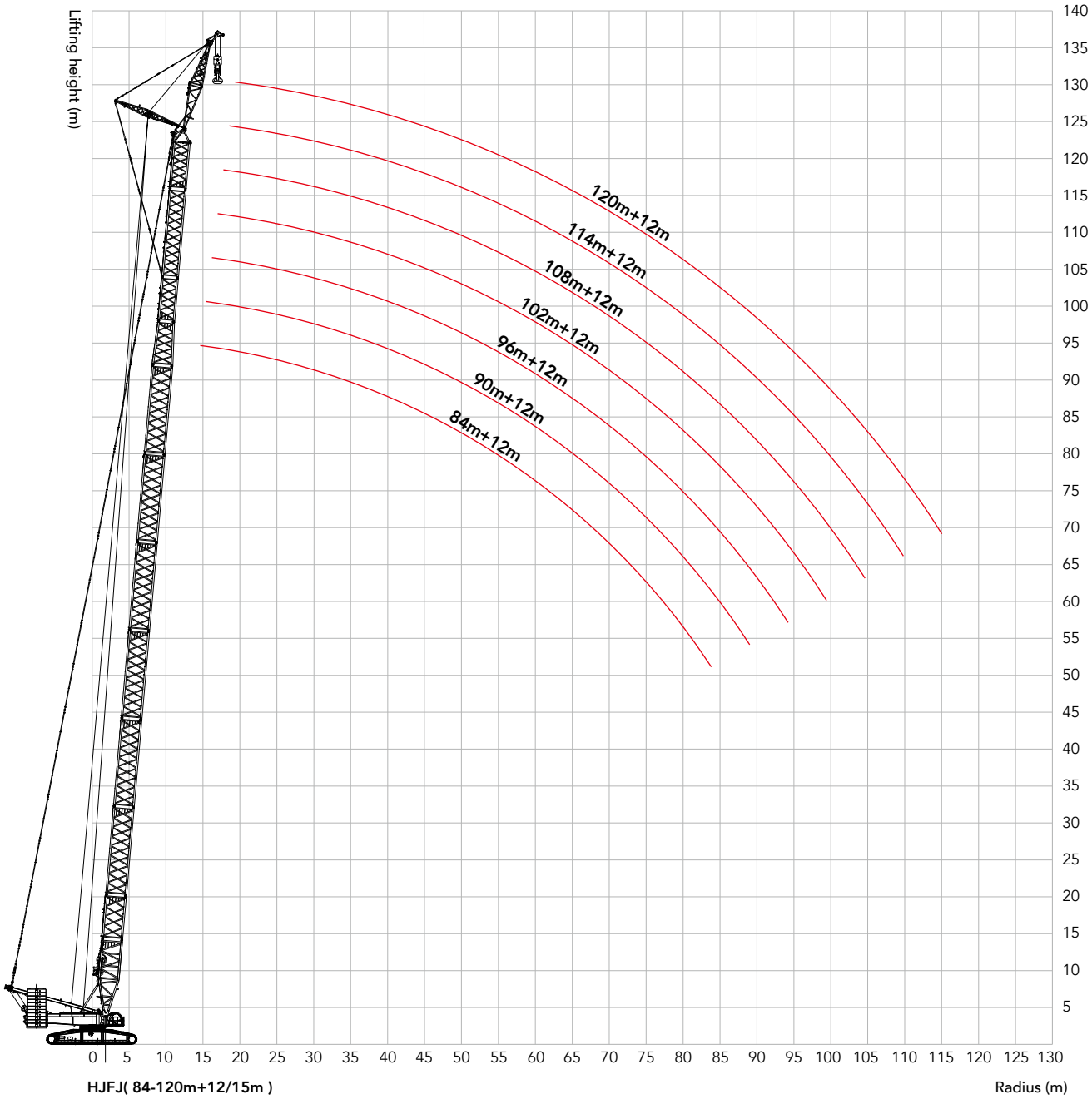
Boom combination in HJFJ

Boom combination in HJFJ									
Boom length (m)	Boom insert						Jib insert		
	3m	6m	12mB	12mC	12mD	12mE	6m	12mA	
84	-	2	2	1	-	-	-	1	Fixed jib 12 m
90	-	1	2	2	-	-	-	1	
96	-	2	2	2	-	-	-	1	
102	-	1	2	2	1	-	-	1	
108	-	-	2	2	1	1	-	1	
114	-	-	2	2	1	1	1	1	
120	-	1	2	2	1	1	1	1	

Note: The 10.5 m boom base section, 6 m tapered section and 7.5 m jib top are must.



HJFJ working radius diagram



Unit: t

Load chart of HJFJ configuration

Note:
1. Meet the requirements of ISO4305.
2. The data with the asterisk mark (*) in the table means that the superlift counterweight in this configuration is not off the ground.
3. The rated load in the table includes the weight of the hook, wire rope and other lifting tools. To obtain the weight can be lifted, use the rated load in the table to minus the weights of hooks, wire ropes and other lifting tools.

HJFJ Configuration 1/3								
Boom length 84~120m, Jib length 12m, Boom to jib angle 10° , Rear counterweight 230t, Carbody counterweight 80t								
Radius (m)	84	90	96	102	108	114	120	Radius (m)
14	180	176	172					14
16	179	174	171	158	135	117	102	16
18	178	172	170	154	132	114	98.5	18
20	165	160	155	150	128	111	95.6	20
22	148	144	139	136	125	108	92.5	22
24	135	131	126	123	120	104	89.5	24
26	123	119	115	112	109	101	86.6	26
28	112	109	105	102	100	97.4	83.7	28
30	103	100	97.2	94.5	92.1	89.4	80.9	30
32	95.8	92.9	89.6	87	84.7	82.2	78.5	32
34	88.7	85.9	82.7	80.3	78.2	75.8	72.8	34
36	82.3	79.7	76.6	74.3	72.3	70	67.1	36
38	76.5	74	71.1	68.9	66.9	64.7	61.9	38
40	71.3	68.9	66	63.9	62.1	60	57.2	40
44	62.3	60	57.2	55.3	53.6	51.6	48.9	44
48	54.6	52.5	49.8	47.9	46.4	44.5	41.9	48
52	47.5	46	43.4	41.7	40.2	38.4	35.9	52
56	41.3	40.2	37.9	36.2	34.8	33.1	30.6	56
60	36.1	34.9	33.1	31.5	30.1	28.4	26	60
64	31.5	30.4	28.7	27.3	25.9	24.3	22	64
68	27.5	26.4	24.7	23.5	22.2	20.6	18.3	68
72	24	22.8	21.2	20.2	18.9	17.4	15.1	72
76	20.8	19.7	18	17.1	15.9	14.4	12.1	76
80	17.9	16.8	15.2	14.3	13.2	11.7	9.5	80
84	15.4	14.2	12.6	11.7	10.8	9.3	7	84
88		11.9	10.3	9.4	8.5	7		88
92			8.2	7.2	6.4	5		92
96			6.2	5.3				96

Unit: t

Load chart of HJFJ configuration

HJFJ Configuration 2/3								
Boom length 84~120m, Jib length 12m, Boom to jib angle 15° , Rear counterweight 230t, Carbody counterweight 80t								
Radius (m)	84	90	96	102	108	114	120	Radius (m)
14	174							14
16	171	165	160	158	136			16
18	167	162	156	155	132	114	98.8	18
20	164	159	153	151	129	111	95.9	20
22	149	145	141	137	125	108	92.9	22
24	136	132	128	124	121	105	89.9	24
26	124	120	116	113	110	102	87.1	26
28	113	110	106	103	101	98.4	84.3	28
30	104	101	98.1	95.4	93	90.3	81.6	30
32	96.5	93.6	90.4	87.8	85.6	83.1	78.9	32
34	89.3	86.6	83.5	81.1	79	76.6	73.6	34
36	82.9	80.3	77.3	75	73	70.8	67.9	36
38	77.1	74.6	71.7	69.5	67.6	65.5	62.7	38
40	71.9	69.5	66.6	64.5	62.7	60.6	57.9	40
44	62.7	60.5	57.8	55.8	54.1	52.2	49.6	44
48	55	52.9	50.3	48.4	46.9	45	42.5	48
52	47.8	46.4	43.9	42.1	40.6	38.9	36.4	52
56	41.7	40.5	38.3	36.6	35.2	33.5	31.1	56
60	36.3	35.2	33.5	31.8	30.5	28.8	26.5	60
64	31.7	30.6	29	27.6	26.3	24.7	22.4	64
68	27.7	26.6	25	23.8	22.6	21	18.7	68
72	24.1	23	21.4	20.4	19.2	17.7	15.4	72
76	20.9	19.8	18.2	17.3	16.2	14.7	12.4	76
80	18.1	17	15.4	14.5	13.5	12	9.7	80
84	15.4	14.4	12.8	11.9	11	9.5	7.3	84
88		12	10.4	9.5	8.7	7.2	5	88
92		9.8	8.3	7.4	6.6	5.1		92
96			6.3	5.4				96

Unit: t

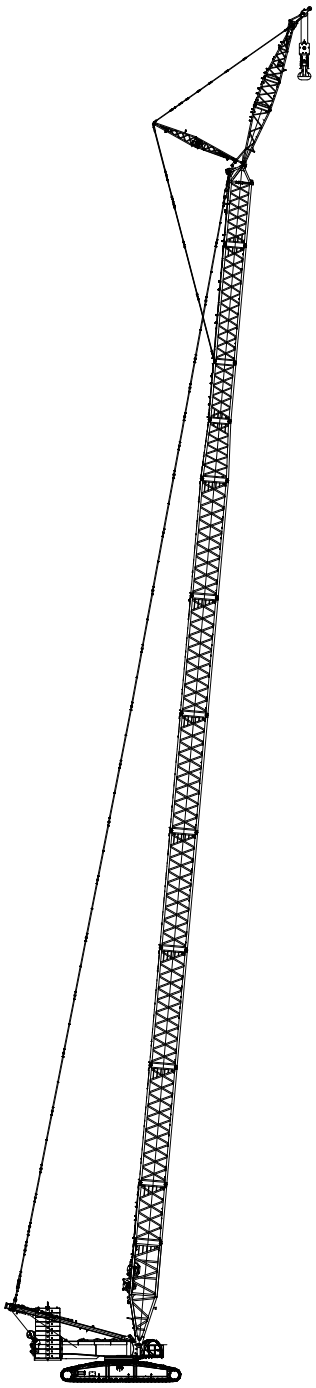
Load chart of HJFJ configuration

HJFJ Configuration 3/3								
Boom length 84~120m, Jib length 12m, Boom to jib angle 20° , Rear counterweight 230t, Carbody counterweight 80t								
Radius (m)	84	90	96	102	108	114	120	Radius (m)
16	113	111	112					16
18	109	108	108	110	109	109	98.7	18
20	105	104	105	105	107	106	95.7	20
22	101	101	102	103	103	103	93	22
24	98.2	97.4	98.9	99.6	101	100	90.2	24
26	95	94.3	95.9	97.2	98	97.6	87.4	26
28	91.9	92.1	92.9	94.3	95.9	95.5	84.6	28
30	88.9	89.2	90.8	92	93.3	91.2	82	30
32	86.5	87.1	87.9	88.7	86.4	84	79.3	32
34	84.1	84.7	84.2	81.9	79.8	77.4	74.5	34
36	81.8	81	78	75.7	73.8	71.5	68.7	36
38	77.7	75.3	72.4	70.2	68.3	66.2	63.4	38
40	72.4	70.1	67.3	65.2	63.4	61.3	58.6	40
44	63.2	61	58.3	56.4	54.7	52.8	50.2	44
48	55.5	53.4	50.8	48.9	47.4	45.6	43.1	48
52	48.2	46.8	44.3	42.6	41.1	39.3	36.9	52
56	42	40.9	38.7	37	35.6	33.9	31.6	56
60	36.6	35.5	33.8	32.2	30.9	29.2	26.9	60
64	32	30.9	29.3	27.9	26.6	25	22.7	64
68	27.9	26.8	25.2	24.1	22.9	21.3	19	68
72	24.3	23.2	21.6	20.7	19.5	17.9	15.7	72
76	21.1	20	18.4	17.5	16.4	14.9	12.7	76
80	18.2	17.1	15.5	14.6	13.7	12.2	10	80
84	15.5	14.5	12.9	12	11.1	9.7	7.5	84
88		12.1	10.5	9.7	8.8	7.4	5.2	88
92		9.9	8.3	7.5	6.7	5.3		92
96			6.3	5.5				96

Boom combination in HJFJ120+15

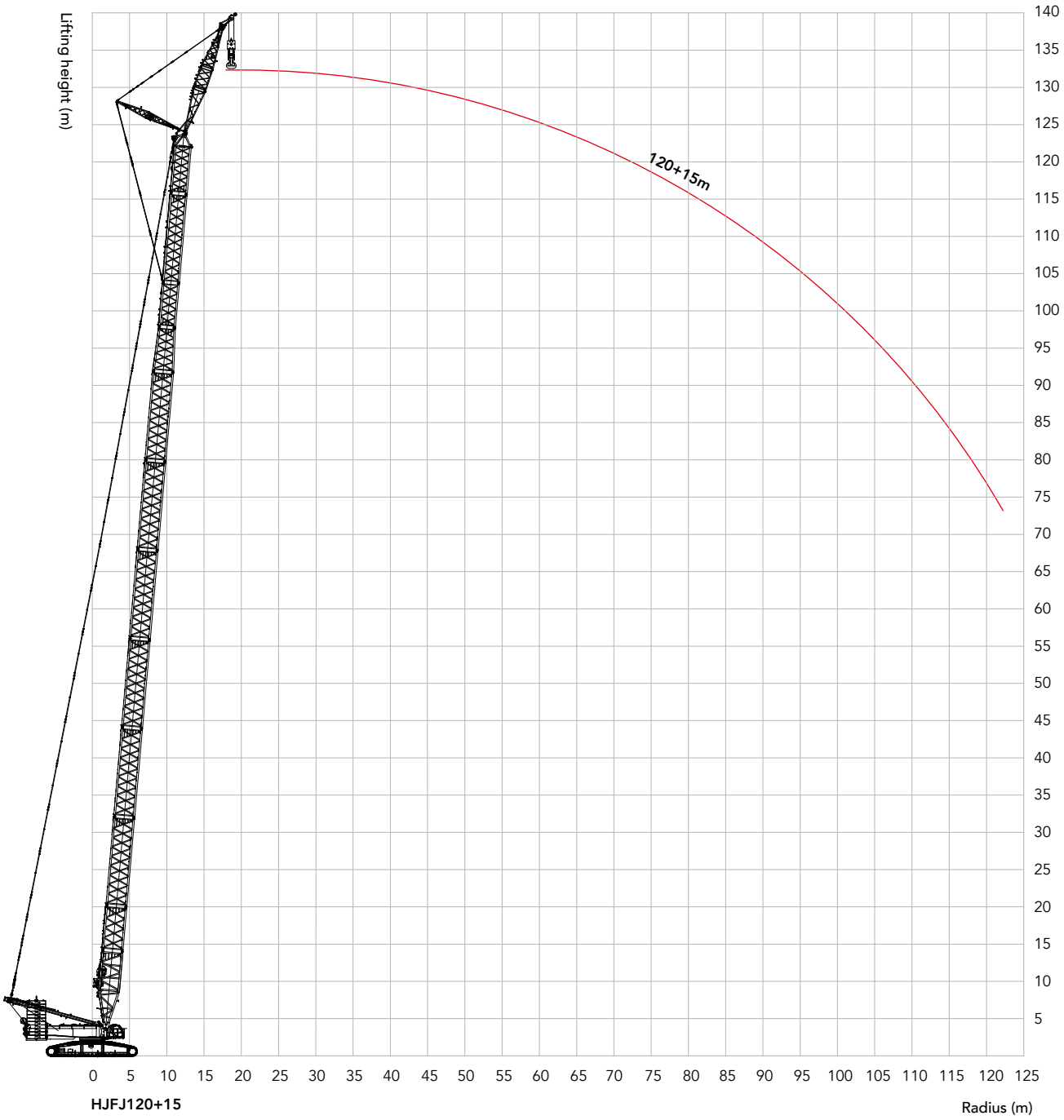
Boom combination in HJFJ120+15										
Boom length (m)	Boom insert							Jib insert		
	3m	6m	12mA	12mB	12mC	12mD	12mE	6m	12mA	
120m	-	1	-	2	2	1	1	1	1	Fixed jib 15m

Note: The 10.5 m boom base section, 6 m tapered section and 7.5 m jib top are must.
The mid-point suspension cable must be used in this working condition, otherwise, the boom system may be broken.



HJFJ120+15

HJFJ120+15 working radius diagram



Unit: t

Load chart of HJFJ 120+15 configuration

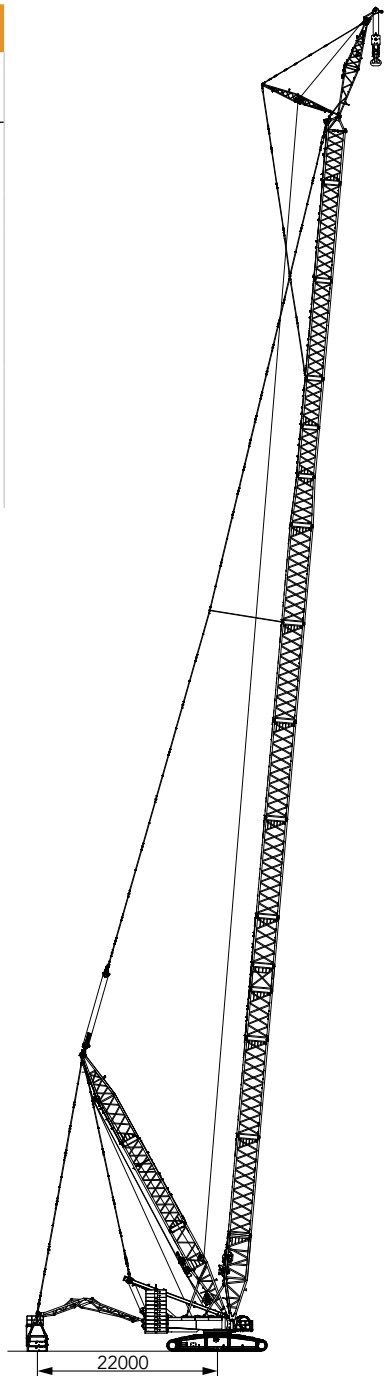
Note:
1. Meet the requirements of ISO4305.
2. The data with the asterisk mark (*) in the table means that the superlift counterweight in this configuration is not off the ground.
3. The rated load in the table includes the weight of the hook, wire rope and other lifting tools. To obtain the weight can be lifted, use the rated load in the table to minus the weights of hooks, wire ropes and other lifting tools.

HJFJ Configuration		
Boom length 120m, Jib length 15m, Boom to jib angle 15°, Rear counterweight 230t, Carbody counterweight 80t		
Radius (m)	120	Radius (m)
20	94.6	20
22	92.1	22
24	89.4	24
26	86.6	26
28	79.9	28
30	77.4	30
32	75	32
34	72.9	34
36	69.3	36
38	64.1	38
40	59.3	40
44	50.9	44
48	43.7	48
52	37.6	52
56	32.2	56
60	27.5	60
64	23.3	64
68	19.6	68
72	16.3	72
76	13.2	76
80	10.5	80
84	8	84
88	5.7	88

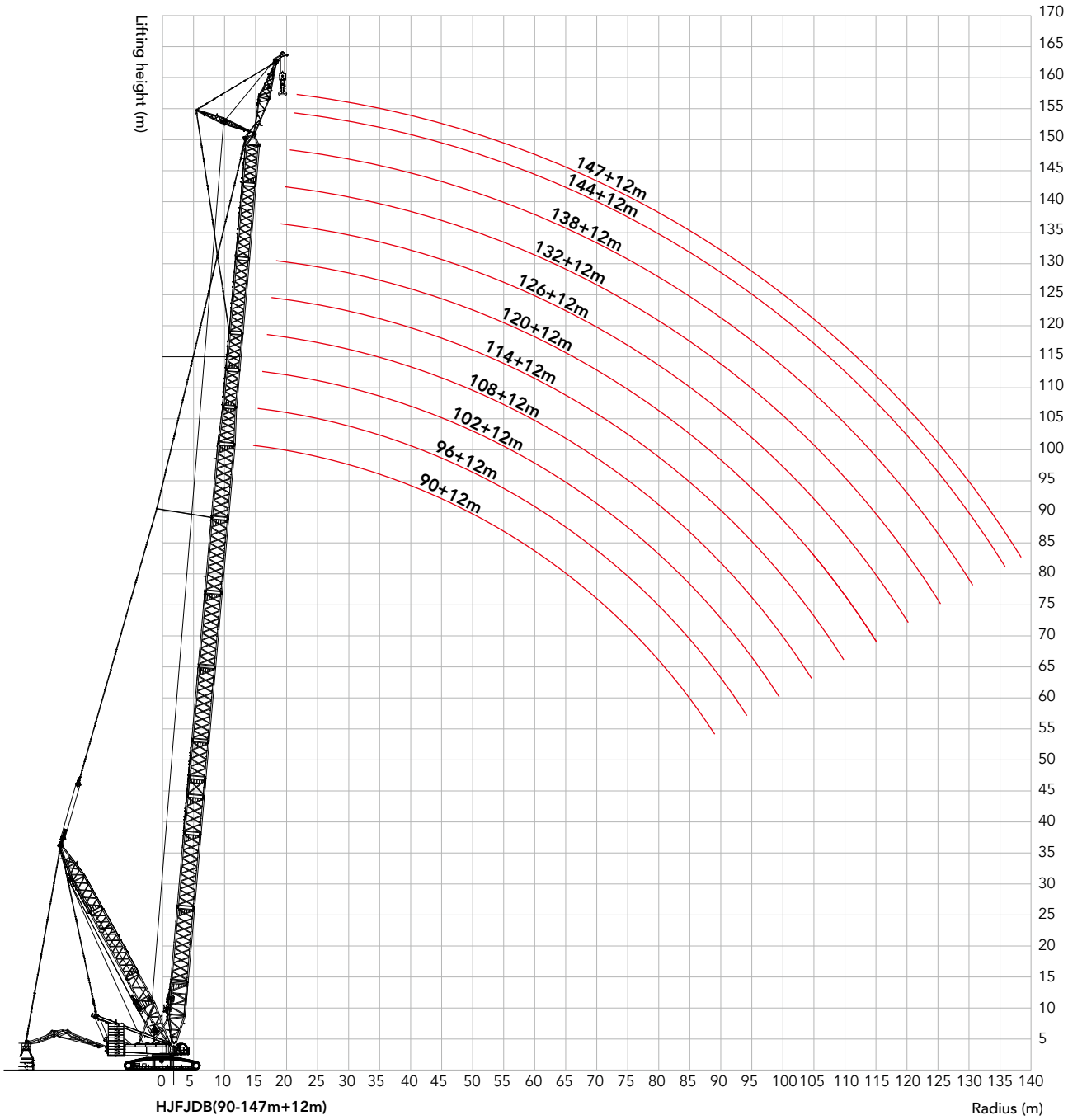
Boom combination in HJFJDB

Boom combination in HJFJDB										
Boom length (m)	Boom insert						Jib insert			
	3m	6m	12mB	12mC	12mD	12mE	6m	12mA	12mB	
90	-	1	2	2	-	-	-	1	-	Fixed jib 12m
96	-	2	2	2	-	-	-	1	-	
102	-	1	2	2	1	-	-	1	-	
108	-	2	2	2	1	-	-	1	-	
114	-	1	2	2	1	1	-	1	-	
120	-	1	2	2	1	1	1	1	-	
126	-	1	2	2	1	1	-	1	1	
132	-	1	2	2	1	1	1	1	1	
138	-	2	2	2	1	1	1	1	1	
144	-	2	2	2	1	1	2	1	1	
147	1	2	2	2	1	1	2	1	1	

Note: The 10.5 m boom base section, 6 m tapered section and 7.5 m jib top are must.
The mid-point suspension cable must be used for the boom length of 120 m-147 m in this working condition, otherwise, the boom system may be broken.



HJFJDB working radius diagram



Unit: t

Load chart of HJFJDB configuration

Note:
1. Meet the requirements of ISO4305.
2. The data with the asterisk mark (*) in the table means that the superlift counterweight in this configuration is not off the ground.
3. The rated load in the table includes the weight of the hook, wire rope and other lifting tools. To obtain the weight can be lifted, use the rated load in the table to minus the weights of hooks, wire ropes and other lifting tools.

HJFJDB Configuration 1/3												
Boom length 90~147m Jib length12m Boom to jib angle10° Superlift Radius 22m Superlift CWT 390t Rear CWT 230t Carbody CWT 80t												
Radius (m)	90	96	102	108	114	120	126	132	138	144	147	Radius (m)
14	177*	176*										14
16	177*	174*	170*	166*	150*	129*						16
18	176*	173*	169*	165*	150*	129*	113*	97.2*	89.6*	77.6*		18
20	175*	172*	168*	164*	150*	129*	112*	96.3*	88.9*	76.8*	73.6*	20
22	174*	171*	167*	164*	149*	128*	111*	95.5*	88.3*	76.0*	72.9*	22
24	173*	170*	166*	164*	148*	127*	110*	94.6*	87.3*	75.2*	72.1*	24
26	172*	169*	166*	163*	147*	126*	109*	93.8*	86.7*	74.4*	71.3*	26
28	169*	168*	165*	163*	146*	126*	108*	92.9*	85.9*	73.7*	70.6*	28
30	166*	166*	163*	162*	145*	125*	107*	92.0*	85.1*	72.9*	69.8*	30
32	163*	163*	161*	161*	144*	124*	106*	91.1*	84.4*	72.1*	69.1*	32
34	159*	160*	159*	159*	143*	123*	106*	90.2*	83.6*	71.4*	68.4*	34
36	157*	158*	156*	157*	142*	122*	105*	89.3*	82.8*	70.6*	67.6*	36
38	155*	156*	154*	155*	141*	121*	104*	88.3*	82.0*	69.8*	66.9*	38
40	152*	154*	153*	153*	140*	120*	103*	87.4*	81.2*	69.1*	66.4*	40
44	148*	149*	149*	150*	138*	118*	101*	85.6*	79.7*	67.6*	65.0*	44
48	144*	146*	146*	147*	136*	113*	98.7*	83.8*	78.1*	66.1*	63.6*	48
52	141*	143*	143*	142	134*	108*	94.7*	82.0*	76.6*	64.7*	62.3*	52
56	138*	140*	135	131	128	103*	90.2*	79.8*	75.1*	63.3*	61.0*	56
60	131	137*	125	131	128	98.9*	86.4*	76.4*	73.6*	61.9*	59.7*	60
64	130	127	116	122	119	95.3*	83.2*	73.0*	72.2*	60.6*	58.4*	64
68	120	127	108	114	111	91.9*	80.1*	70.2*	70.7*	90.7	57.2*	68
72	111	119	109	106	104	88.5*	77.0*	67.5*	69.3*	85.0	56.0*	72
76	111	111	101	107	98.3	85.8*	74.6*	65.3*	68.0*	79.9	54.8*	76
80	103	112	95.2	101	100	83.8*	72.2*	63.1*	66.7*	81.7	53.7*	80
84	95.7	104	88.8	94.8	94.0	81.8*	70.4*	61.0*	65.3*	77.1	52.5*	84
88	95.8	97.0	89.8	88.8	88.4	79.8*	68.7*	59.4*	64.1*	72.8	51.4*	88
92	87.7	98.3	83.6	90.7	83.0	78.5*	67.0*	57.9*	62.8*	68.7	50.4*	92
96		90.7	77.6	84.8	85.2	77.2*	65.8*	56.8*	61.7*	64.9	49.3*	96
100			78.5	79.1	79.9	76.5	64.6*	55.7*	60.5*	61.3	48.3*	100
104				81.0	74.7	75.0	63.9*	54.7*	59.3*	63.9	47.4*	104
108					76.9	70.4	63.6*	54.0*	58.2*	60.4	46.4*	108
112					71.5	65.8	63.4	53.3*	57.2*	57.1	45.4*	112
116						67.9	62.2	53.0*	56.1*	53.9	44.4*	116
120							63.7	53.0*	55.0	56.6	43.5*	120
124								53.3	53.8	53.4	42.5*	124
128								53.8	50.4	50.2	41.5*	128
132									51.6	47.1	40.5*	132
136										49.7	39.4*	136
140											38.3	140

Unit: t

Load chart of HJFJDB configuration

HJFJDB Configuration 2/3												
Boom length 90~147m Jib length12m Boom to jib angle15° Superlift Radius 22m Superlift CWT 390t Rear CWT 230t Carbody CWT 80t												
Radius (m)	90	96	102	108	114	120	126	132	138	144	147	Radius (m)
16	172*	169*	166*	164*								16
18	168*	166*	163*	160*	148*	128*	113*	97.4*				18
20	163*	164*	160*	159*	148*	128*	112*	96.6*	89.0*	77.0*	73.8*	20
22	158*	160*	157*	156*	148*	128*	111*	95.8*	88.3*	76.2*	73.1*	22
24	152*	154*	156*	154*	148*	128*	111*	95.0*	87.6*	75.5*	72.3*	24
26	147*	150*	151*	152*	147*	127*	110*	94.3*	87.0*	74.8*	71.6*	26
28	143*	145*	146*	149*	147*	126*	109*	93.4*	86.3*	74.0*	70.9*	28
30	138*	141*	142*	144*	145*	125*	108*	92.6*	85.6*	73.3*	70.2*	30
32	134*	136*	139*	141*	142*	125*	107*	91.8*	84.8*	72.6*	69.5*	32
34	131*	133*	135*	137*	138*	124*	106*	90.9*	84.1*	71.8*	68.8*	34
36	126*	129*	131*	134*	136*	123*	105*	90.1*	83.3*	71.1*	68.1*	36
38	123*	126*	128*	131*	132*	120*	105*	89.2*	82.6*	70.4*	67.4*	38
40	120*	123*	126*	127*	130*	118*	104*	88.3*	81.9*	69.7*	66.7*	40
44	113*	117*	119*	122*	123*	112*	99.7*	86.6*	80.4*	68.2*	65.5*	44
48	108*	111*	114*	117*	119*	107*	95.2*	84.9*	78.9*	66.8*	64.2*	48
52	103*	107*	109*	112*	114*	103*	91.3*	80.9*	77.5*	65.4*	62.9*	52
56	99.3*	102*	105*	107*	110*	98.6*	87.4*	77.5*	76.0*	64.1*	61.6*	56
60	95.0*	98.5*	101*	104*	106*	95.1*	83.7*	74.1*	74.6*	62.7*	60.4*	60
64	91.4*	94.1*	96.9*	99.6*	102*	91.7*	80.6*	70.9*	73.2*	61.4*	59.1*	64
68	88.4*	90.7*	93.8*	96.5*	99.0*	88.4*	77.6*	68.5*	71.8*	60.2*	57.9*	68
72	85.2*	88.5*	90.7*	93.6*	96.1*	85.7*	74.9*	65.9*	70.4*	59.0*	56.7*	72
76	82.9*	85.2*	87.6*	90.6*	93.2*	83.1*	72.3*	63.3*	69.1*	57.7*	55.6*	76
80	80.1*	83.0*	85.3*	87.7*	89.9*	81.2*	70.5*	61.6*	67.8*	56.5*	54.4*	80
84	77.9*	80.3*	82.7*	85.5*	87.8*	79.3*	68.7*	60.0*	65.8*	55.3*	53.3*	84
88	76.2*	78.6*	80.5*	82.6*	84.9*	78.0*	67.0*	58.1*	64.2*	54.2*	52.2*	88
92	73.9*	76.3*	78.3*	81.1*	83.2	76.7*	65.9*	56.7*	62.6*	53.0*	51.2*	92
96		75.0*	76.8*	79.0*	81.1	75.5*	64.7*	55.6*	61.1*	51.9*	50.1*	96
100			75.2*	77.4	78.9	74.8*	63.6*	54.5*	60.0*	50.9*	49.1*	100
104				75.6	75.0	74.7	62.9*	53.9*	59.2*	49.8*	48.0*	104
108					76.2	70.6	62.3*	53.2*	58.5*	48.8*	47.2*	108
112					71.7	66.0	62.4*	52.6*	57.8*	47.8*	46.2*	112
116						68.2	62.4	52.6*	57.2	46.8*	45.2*	116
120							62.9	52.6*	57.5	45.9*	44.2*	120
124								52.9	54.0	44.9*	43.2*	124
128								53.6	50.6	43.9*	42.3*	128
132									53.1	42.8*	41.2*	132
136										41.8	40.1*	136
140											38.9	140

Unit: t

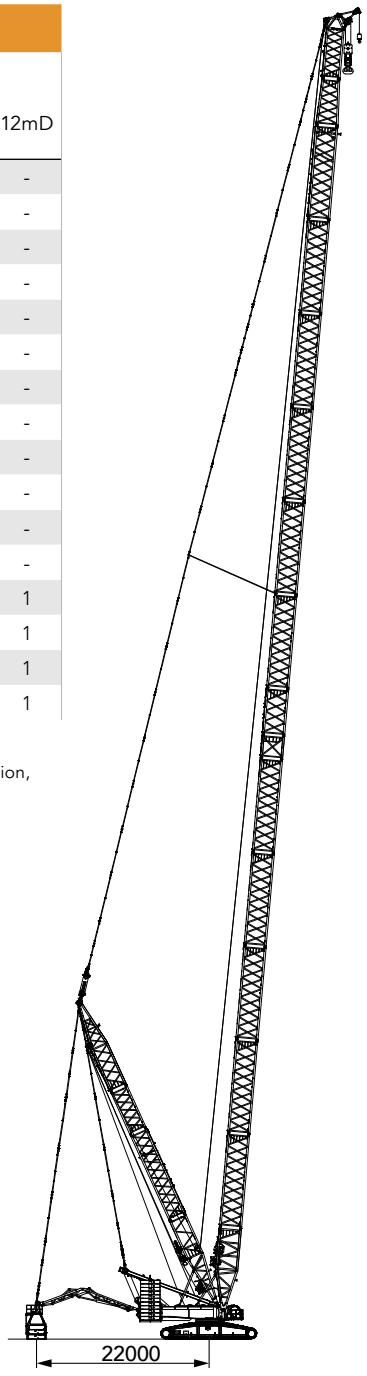
Load chart of HJFJDB configuration

HJFJDB Configuration 3/3												
Boom length 90~147m Jib length12m Boom to jib angle20° Superlift Radius 22m Superlift CWT 390t Rear CWT 230t Carbody CWT 80t												
Radius (m)	90	96	102	108	114	120	126	132	138	144	147	Radius (m)
16	77.2*	77.5*										16
18	75.0*	75.1*	75.9*	111*	76.3*	75.9*						18
20	73.4*	73.6*	74.0*	108*	75.0*	74.4*	74.5*	73.9*	74.8*	74.1*		20
22	71.6*	72.0*	72.5*	105*	73.3*	73.6*	73.1*	73.1*	73.4*	72.8*	72.4*	22
24	69.8*	70.4*	71.0*	102*	71.5*	72.1*	71.6*	71.7*	72.1*	71.8*	71.9*	24
26	67.9*	68.6*	69.4*	99.7*	70.5*	70.5*	70.8*	70.7*	71.1*	70.9*	71.0*	26
28	66.6*	67.5*	68.3*	97.0*	69.1*	69.6*	69.3*	69.3*	70.2*	69.5*	70.0*	28
30	65.3*	66.2*	66.7*	94.2*	67.7*	68.0*	68.3*	68.4*	69.0*	68.6*	69.0*	30
32	63.9*	65.0*	65.6*	92.0*	66.6*	67.2*	66.8*	66.9*	67.7*	67.6*	67.7*	32
34	62.5*	63.7*	64.4*	90.1*	65.6*	65.6*	65.9*	65.9*	66.8*	66.7*	67.1*	34
36	61.1*	62.4*	63.2*	88.3*	64.5*	64.6*	64.9*	65.0*	65.8*	65.7*	65.8*	36
38	60.3*	61.1*	62.0*	86.0*	63.4*	63.7*	63.9*	64.0*	64.9*	64.8*	65.3*	38
40	58.9*	59.8*	60.8*	84.7*	62.5*	62.7*	63.0*	63.0*	64.0*	63.8*	64.3*	40
44	57.2*	58.2*	58.9*	81.0*	60.7*	60.7*	61.0*	61.1*	62.2*	62.0*	62.9*	44
48	54.9*	56.1*	57.4*	77.4*	58.9*	59.0*	59.6*	59.6*	60.4*	60.5*	61.2*	48
52	53.3*	54.5*	55.4*	74.7*	57.5*	57.3*	57.6*	58.1*	59.0*	59.1*	59.4*	52
56	51.7*	52.9*	53.9*	72.1*	55.7*	56.0*	56.2*	56.7*	57.7*	57.6*	58.4*	56
60	50.6*	51.3*	52.4*	69.6*	54.3*	54.6*	54.8*	55.2*	56.3*	56.2*	56.7*	60
64	49.0*	50.3*	51.4*	67.1*	53.2*	53.2*	53.4*	53.8*	55.0*	55.3*	55.6*	64
68	47.9*	49.2*	49.9*	65.4*	51.7*	51.9*	52.6*	52.8*	53.7*	54.2*	54.6*	68
72	47.1*	48.2*	48.9*	63.6*	50.7*	51.1*	51.2*	51.8*	52.8*	52.9*	53.6*	72
76	46.3*	47.1*	47.9*	61.5*	49.7*	49.8*	50.4*	50.9*	51.5*	51.9*	52.6*	76
80	45.2*	46.0*	47.3*	59.8*	48.9*	49.1*	49.5*	50.1*	50.6*	51.2*	51.6*	80
84	44.6*	45.4*	46.2*	58.5*	47.8*	48.1*	48.7*	49.1*	49.7*	50.2*	50.6*	84
88	44.5*	44.8*	45.5*	56.8*	47.3*	47.1*	48.0*	48.2*	48.9*	49.2*	49.6*	88
92	44.2*	44.6*	45.1*	55.9*	46.5*	46.5*	47.2*	47.4*	48.4*	48.6*	48.8*	92
96		44.1*	44.7*	54.5*	45.9*	45.8*	46.4*	46.9*	47.6*	47.9*	48.3*	96
100			44.2*	53.7*	45.3*	45.7*	46.1*	46.5*	47.1*	47.3*	47.5*	100
104				52.5*	44.8*	45.0*	45.4*	45.6*	46.4*	46.6*	47.1*	104
108				51.7*	44.2*	44.8*	44.8*	45.2*	45.9*	46.2*	46.7*	108
112					44.2*	44.2*	44.5*	44.8*	45.4*	45.9*	46.0*	112
116						44.4*	44.2*	44.7*	45.2*	45.3*	45.6*	116
120							44.3*	44.6*	44.6*	45.1*	45.3*	120
124								44.4*	44.7*	44.7*	44.9*	124
128								44.3*	44.4*	44.4*	44.0*	128
132									53.2	44.3	42.9	132
136										43.6	41.8	136
140											40.4	140

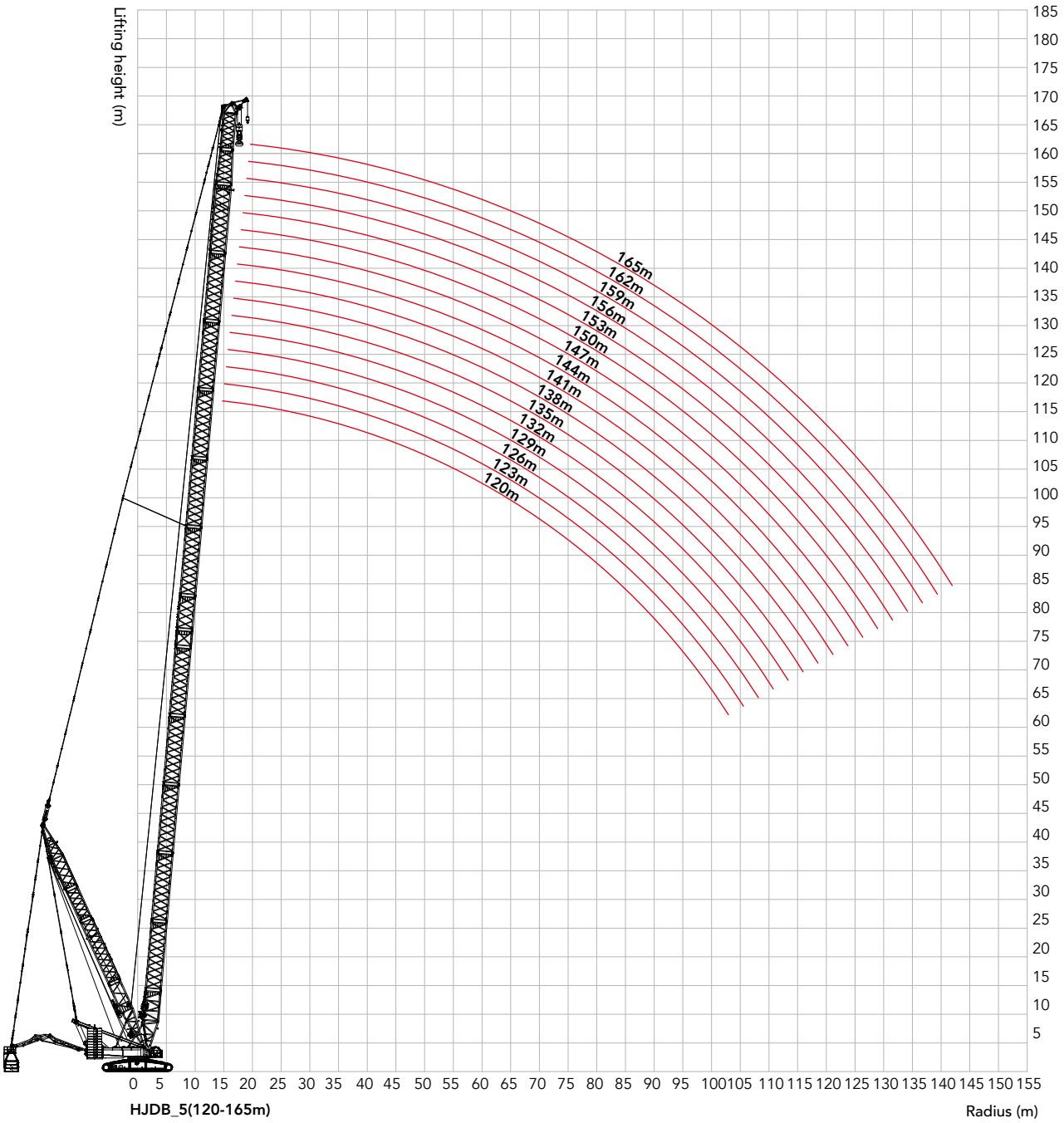
Boom combination in HJDB_5

Boom combination in HJDB_5										
Boom length (m)	Power boom insert					Boom insert				
	12 m lower transition section	12mA	12mB	12mC	12 m upper transition section	3m	6m	12mB	12mC	12mD
120	1	1	1	1	1	-	-	2	-	-
123	1	1	1	1	1	1	-	2	-	-
126	1	1	1	1	1	-	1	2	-	-
129	1	1	1	1	1	1	1	2	-	-
132	1	1	1	1	1	-	-	2	1	-
135	1	1	1	1	1	1	-	2	1	-
138	1	1	1	1	1	-	1	2	1	-
141	1	1	1	1	1	1	1	2	1	-
144	1	1	1	1	1	-	-	2	2	-
147	1	1	1	1	1	1	-	2	2	-
150	1	1	1	1	1	-	1	2	2	-
153	1	1	1	1	1	1	1	2	2	-
156	1	1	1	1	1	-	-	2	2	1
159	1	1	1	1	1	1	-	2	2	1
162	1	1	1	1	1	-	1	2	2	1
165	1	1	1	1	1	1	1	2	2	1

Note: The 10.5 m boom base, 12 m boom transition section, 6 m tapered section and 7.5 m jib top 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.



HJDB_5 working radius diagram



HJDB_5(120-165m)

Unit: t

Load chart of HJDB_5 configuration

Note:
1. Meet the requirements of ISO4305.
2. The data with the asterisk mark (*) in the table means that the superlift counterweight in this configuration is not off the ground.
3. The rated load in the table includes the weight of the hook, wire rope and other lifting tools. To obtain the weight can be lifted, use the rated load in the table to minus the weights of hooks, wire ropes and other lifting tools.

HJDB_5 Configuration 1/2

Boom length 120~165m Superlift Radius 22m Superlift CWT 390t Rear CWT 230t Carbody CWT 80t

Radius (m)	120	123	126	129	132	135	138	141	144	147	150	153	156	159	162	165	Radius (m)
16	281*	265*															16
18	282*	266*	251*	237*	223*	211*	200*	189*									18
20	283*	267*	251*	237*	224*	211*	200*	189*	178*	168*	160*	150*	138*	130*			20
22	283*	267*	252*	237*	224*	211*	200*	190*	178*	169*	160*	149*	137*	130*	124*	120*	22
24	269	264	252*	238*	224*	211*	199*	190*	178*	168*	159*	148*	136*	129*	123*	119*	24
26	248	243	240	236	223*	211*	200*	189*	178*	168*	158*	147*	135*	128*	122*	118*	26
28	229	226	222	219	216	211*	199*	189*	177*	167*	158*	147*	134*	127*	122*	118*	28
30	214	210	207	203	201	198	195	189*	176*	166*	157*	146*	133*	126*	121*	117*	30
32	200	197	193	190	188	185	182	179	175*	165*	156*	145*	132*	125*	120*	116*	32
34	188	185	182	178	177	173	171	168	166	163	155*	144*	131*	124*	119*	115*	34
36	190	186	171	168	166	163	161	158	156	153	151	143*	131*	123*	119*	114*	36
38	179	176	173	170	157	154	151	149	147	144	142	139	130*	123*	118*	114*	38
40	170	167	164	161	159	146	143	140	139	136	134	131	129*	122*	117*	113*	40
44	154	151	148	146	144	141	139	136	135	122	120	118	117	114	112	110	44
48	141	138	135	133	131	129	126	124	122	120	118	115	114	103	101	99.5	48
52	129	126	124	121	120	118	115	113	112	109	107	105	104	102	100	90.0	52
56	119	116	114	112	110	108	106	104	103	100	98.6	96.3	95.7	93.4	91.6	81.8	56
60	118	116	105	103	102	100	98.1	95.8	94.9	92.6	90.7	88.5	88.0	85.7	83.9	74.6	60
64	110	108	106	103	103	92.6	90.7	88.6	87.7	85.5	83.6	81.5	81.1	78.9	77.2	68.3	64
68	102	100	98.6	96.5	95.8	93.7	91.8	82.0	81.2	79.1	77.3	75.3	74.9	72.8	71.1	69.1	68
72	95.1	93.3	91.7	89.7	89.2	87.1	85.4	83.4	82.7	73.3	71.6	69.7	69.3	67.3	65.7	63.7	72

Unit: t

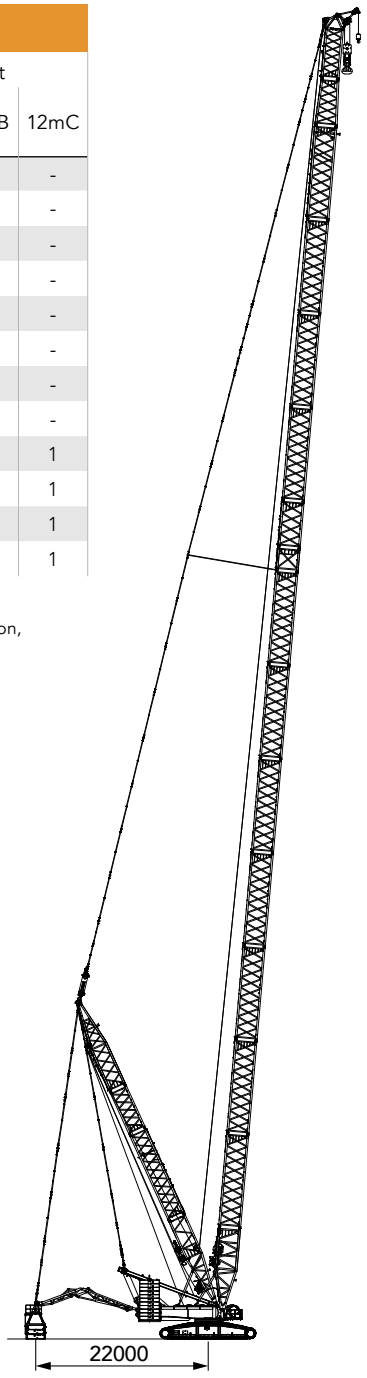
Load chart of HJDB_5 configuration

HJDB_5 Configuration 2/2																	
Boom length 120~165m Superlift R 22m Superlift CWT 390t Rear CWT 230t Carbody CWT 80t																	
Radius (m)	120	123	126	129	132	135	138	141	144	147	150	153	156	159	162	165	Radius (m)
76	96.7	86.8	85.3	83.5	83.1	81.2	79.6	77.6	77.0	75.0	73.3	71.4	64.3	62.3	60.7	58.8	76
80	90.1	88.5	87.2	77.7	77.4	75.6	74.1	72.3	71.7	69.8	68.2	66.4	66.2	64.2	56.2	54.3	80
84	83.9	82.5	81.3	79.8	79.5	70.5	69.1	67.3	66.9	65.0	63.5	61.8	61.6	59.7	58.2	50.2	84
88	78.0	76.8	75.8	74.4	74.3	72.7	64.4	62.7	62.3	60.6	59.2	57.5	57.4	55.5	54.1	46.4	88
92	80.1	71.4	70.5	69.2	69.3	67.8	66.7	65.1	58.1	56.4	55.0	53.4	53.4	51.6	50.3	42.8	92
96	74.3	73.5	72.9	64.4	64.6	63.2	62.2	60.7	60.5	58.9	51.2	49.6	49.7	48.0	46.7	45.0	96
100	68.7	68.1	67.7	66.7	67.1	58.8	57.9	56.5	56.4	54.9	53.7	52.2	46.1	44.5	43.3	41.7	100
104	70.6	70.4	62.6	61.8	62.4	61.3	53.7	52.5	52.5	51.1	50.0	48.6	48.7	47.1	40.0	38.5	104
108		64.7	64.9	57.0	57.8	56.9	56.2	55.1	48.7	47.4	46.4	45.1	45.3	43.8	42.7	35.5	108
112				59.3	53.2	52.6	52.1	51.1	51.4	50.2	43.0	41.7	42.1	40.6	39.5	32.6	112
116					55.4	54.1	47.9	47.2	47.6	46.5	45.7	38.5	38.9	37.5	36.5	29.8	116
120							44.1	43.2	43.8	42.9	42.2	41.2	41.7	34.5	33.6	32.3	120
124								45.7	46.5	39.3	38.8	37.9	38.5	37.3	30.8	29.6	124
128										41.9	35.4	34.6	35.4	34.3	33.5	26.9	128
132											37.9	37.3	32.2	31.3	30.6	24.2	132
136													34.9	28.3	27.7	26.8	136
140														30.9	30.5	24.0	140
144																21.2	144

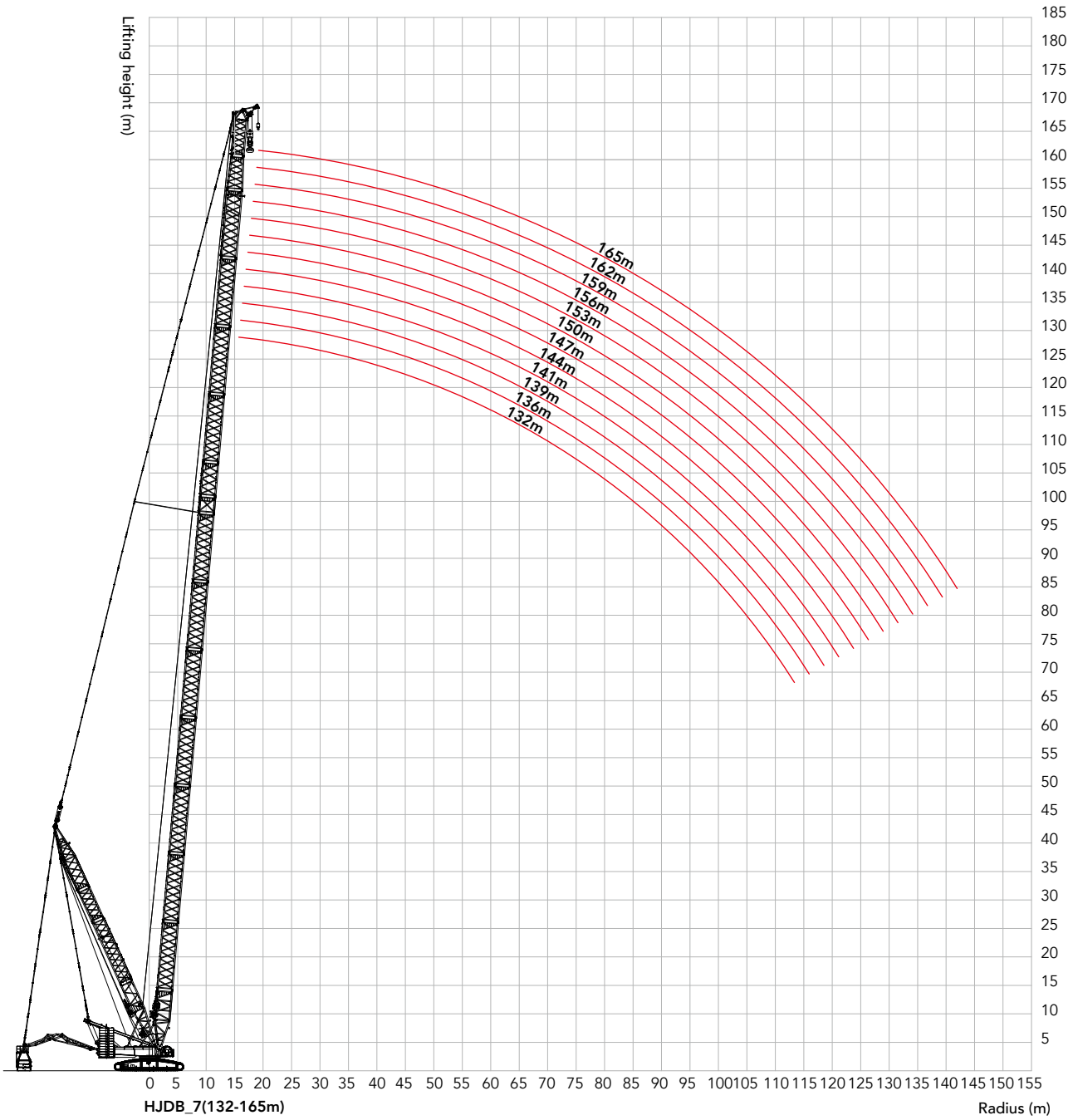
Boom combination in HJDB_7

Boom combination in HJDB_7										
Boom length (m)	Power boom insert						Boom insert			
	12 m lower transition section	12mA	12mB	12mC	12mD	12 m upper transition section	3m	6m	12mB	12mC
132	1	1	1	2	1	1	-	-	1	-
135	1	1	1	2	1	1	1	-	1	-
138	1	1	1	2	1	1	-	1	1	-
141	1	1	1	2	1	1	1	1	1	-
144	1	1	1	2	1	1	-	-	2	-
147	1	1	1	2	1	1	1	-	2	-
150	1	1	1	2	1	1	-	1	2	-
153	1	1	1	2	1	1	1	1	2	-
156	1	1	1	2	1	1	-	-	2	1
159	1	1	1	2	1	1	1	-	2	1
162	1	1	1	2	1	1	-	1	2	1
165	1	1	1	2	1	1	1	1	2	1

Note: The 10.5 m boom base, 12 m boom transition section, 6 m tapered section and 7.5 m jib top 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.



HJDB_7 working radius diagram



Unit: t

Load chart of HJDB_7 configuration

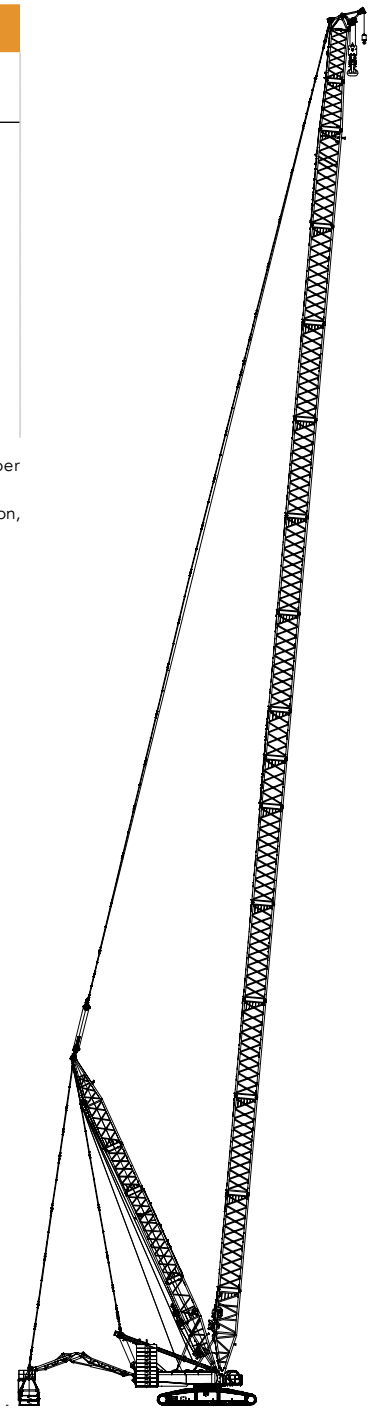
Note:
1. Meet the requirements of ISO4305.
2. The data with the asterisk mark (*) in the table means that the superlift counterweight in this configuration is not off the ground.
3. The rated load in the table includes the weight of the hook, wire rope and other lifting tools. To obtain the weight can be lifted, use the rated load in the table to minus the weights of hooks, wire ropes and other lifting tools.

HJDB_7 Configuration													
Boom length 132~165m Superlift Radius 22m Superlift CWT 390t Rear CWT 230t Carbody CWT 80t													
Radius (m)	132	135	138	141	144	147	150	153	156	159	162	165	Radius (m)
18	238*	226*	214*	202*									18
20	239*	226*	214*	202*	192*	183*	174*	163*	155*	147*			20
22	240*	226*	214*	203*	192*	182*	174*	163*	155*	147*	139*	131*	22
24	239*	226*	215*	204*	193*	183*	173*	164*	155*	146*	138*	130*	24
26	233	223	214*	204*	193*	183*	174*	163*	155*	146*	137*	129*	26
28	215	212	209	203*	194*	183*	174*	163*	154*	145*	137*	129*	28
30	200	197	194	191	188	183*	174*	162*	153*	144*	136*	128*	30
32	187	184	181	178	176	173	170	161*	152*	143*	135*	127*	32
34	176	172	170	167	164	161	159	156	151*	143*	134*	127*	34
36	165	162	159	157	154	152	149	146	145	142*	134*	126*	36
38	156	153	150	147	145	143	140	138	136	134	132	125*	38
40	158	145	142	139	137	135	132	130	129	126	124	121	40
44	143	140	138	135	133	121	119	116	115	113	111	108	44
48	130	127	125	122	121	118	116	113	112	101	99.7	97.4	48
52	119	117	114	112	110	108	106	103	102	100	98.3	96.0	52
56	109	107	105	102	101	99.0	96.9	94.6	93.8	91.5	89.6	87.3	56
60	101	99.0	97.1	94.7	93.3	91.0	89.0	86.8	86.0	83.8	81.9	79.8	60
64	102	91.5	89.7	87.4	86.1	83.8	82.0	79.8	79.1	77.0	75.2	73.1	64
68	94.8	92.6	90.8	80.9	79.6	77.4	75.7	73.6	73.0	70.9	69.1	67.1	68
72	88.1	86.1	84.4	82.3	81.0	71.7	70.0	67.9	67.4	65.4	63.7	61.7	72
76	82.1	80.1	78.5	76.5	75.4	73.3	71.7	69.6	62.3	60.3	58.7	56.8	76
80	76.4	74.6	73.1	71.2	70.1	68.2	66.6	64.6	64.2	62.3	54.2	52.3	80
84	78.5	69.4	68.0	66.2	65.3	63.4	61.9	60.0	59.7	57.8	56.2	54.3	84
88	73.3	71.6	63.3	61.6	60.7	58.9	57.5	55.7	55.4	53.6	52.1	50.3	88
92	68.3	66.8	65.6	63.9	56.4	54.7	53.4	51.7	51.5	49.7	48.3	46.5	92
96	63.5	62.1	61.1	59.6	58.9	57.2	49.5	47.9	47.7	46.0	44.7	42.9	96
100	66.1	57.7	56.8	55.4	54.8	53.2	52.0	50.4	44.2	42.5	41.2	39.6	100
104	61.3	60.3	52.7	51.3	50.9	49.4	48.3	46.8	46.8	45.2	38.0	36.4	104
108	56.7	55.8	55.2	54.0	47.1	45.8	44.8	43.3	43.4	41.8	40.6	39.1	108
112	52.2	51.5	51.0	50.0	49.7	48.5	41.3	39.9	40.1	38.6	37.5	36.0	112
116	54.4	54.0	46.9	46.0	45.9	44.8	44.0	36.7	36.9	35.6	34.5	33.1	116
120			43.0	42.1	42.2	41.2	40.6	39.4	39.7	32.6	31.6	30.2	120
124				44.5	44.8	37.7	37.1	36.1	36.5	35.3	28.8	27.5	124
128						40.3	33.7	32.8	33.4	32.3	31.5	30.3	128
132							36.2	35.6	30.2	29.3	28.6	27.5	132
136									32.9	26.3	25.7	24.7	136
140										28.9	28.5	21.9	140
144												24.6	144

Boom combination in HJDB_9

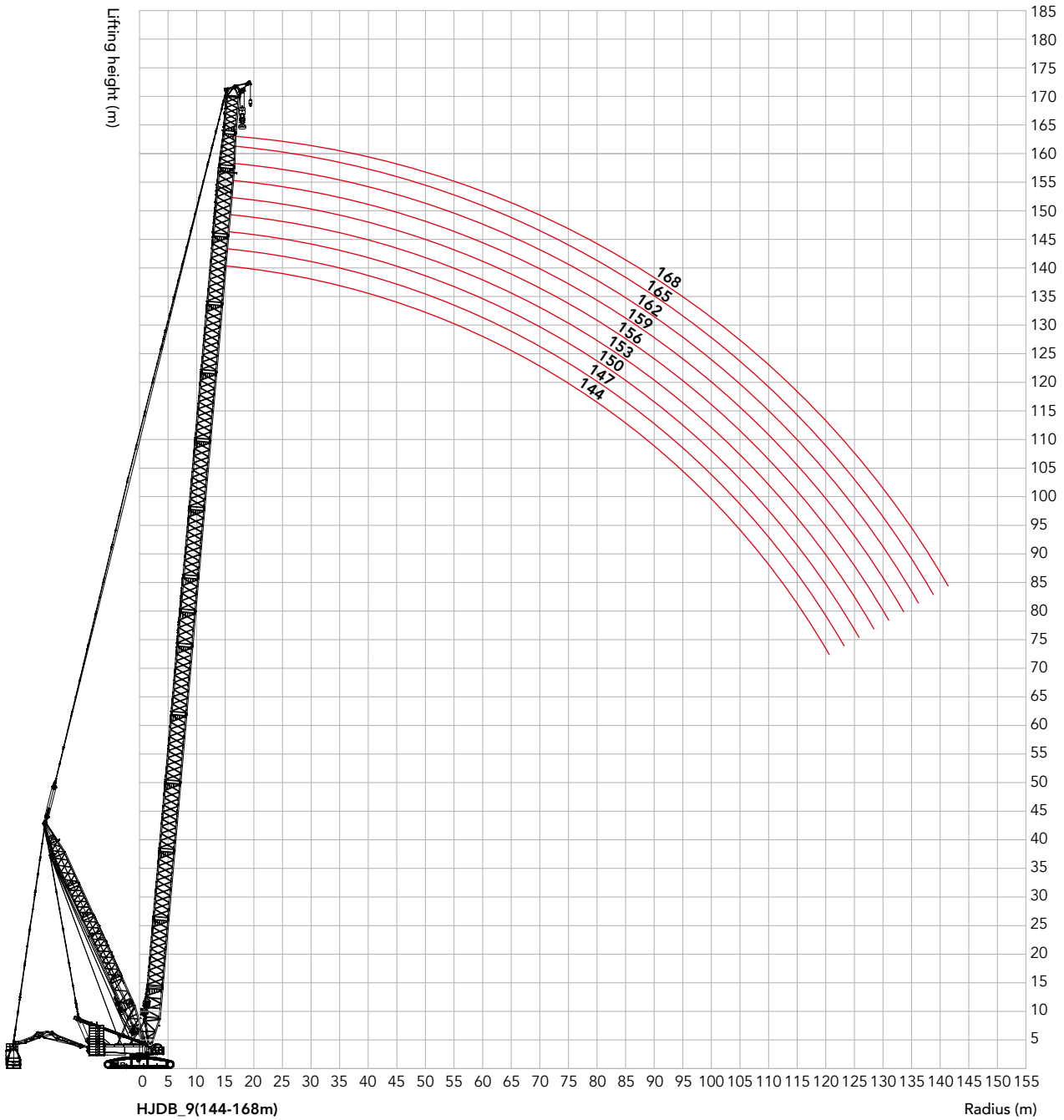
Boom combination in HJDB_9										
Boom length (m)	Power boom insert				Boom insert					
	12mA	12mB	12mC	12mD	3m	6m	12mB	12mC	12mD	12mE
144	1	2	2	3	-	-	-	-	-	-
147	1	2	2	3	1	-	-	-	-	-
150	1	2	2	3	-	1	-	-	-	-
153	1	2	2	3	1	1	-	-	-	-
156	1	2	2	3	-	-	1	-	-	-
159	1	2	2	3	1	-	1	-	-	-
162	1	2	2	3	-	1	1	-	-	-
165	1	2	2	3	1	1	1	-	-	-
168	1	2	2	3	-	2	1	-	-	-

Note: The 10.5m boom base section, 12m power boom lower transition section, 12m power boom upper transition section, 12m boom transition section, 6m tapered jib section, and 7.5m jib top are must.
The mid-point suspension cable must be used for the boom with a length of 144m-168m in this working condition, otherwise, the boom system may be broken.



HJDB-9
(144-168m)

HJDB_9 working radius diagram



Unit: t

Load chart of HJDB_9 configuration

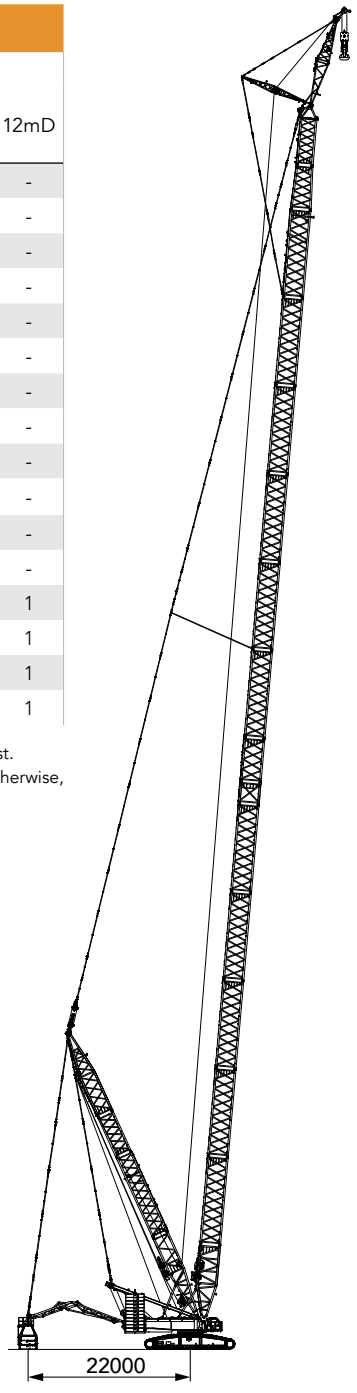
Note:
1. Meet the requirements of ISO4305.
2. The data with the asterisk mark (*) in the table means that the superlift counterweight in this configuration is not off the ground.
3. The rated load in the table includes the weight of the hook, wire rope and other lifting tools. To obtain the weight can be lifted, use the rated load in the table to minus the weights of hooks, wire ropes and other lifting tools.

HJDB_9 Configuration										
Boom length 144~168m Superlift Radius 22m Superlift CWT 390t Rear CWT 230t Carbody CWT 80t										
Radius (m)	144	147	150	153	156	159	162	165	168	Radius (m)
20	198*	188*	179*	169*	160*	153*				20
22	197*	189*	179*	169*	161*	152*	146*	139*	132*	22
24	198*	188*	179*	169*	162*	153*	146*	139*	131*	24
26	199*	189*	180*	170*	162*	153*	146*	138*	131*	26
28	199*	189*	179*	170*	162*	154*	146*	138*	130*	28
30	189	185	180*	170*	162*	154*	145*	137*	129*	30
32	176	173	170	167	162*	154*	145*	136*	129*	32
34	165	162	159	156	154	152	144*	136*	128*	34
36	155	152	149	146	145	142	140	135*	128*	36
38	146	143	140	138	136	133	131	128	126	38
40	138	135	132	130	128	125	123	121	119	40
44	133	121	119	116	114	112	110	107	105	44
48	121	118	116	113	112	101	99.1	96.7	94.8	48
52	110	108	106	103	102	99.6	97.6	95.2	85.3	52
56	101	99.0	97.0	94.6	93.2	90.8	88.9	86.6	84.7	56
60	93.4	91.0	89.1	86.7	85.4	83.1	81.3	79.0	77.2	60
64	86.2	83.9	82.1	79.8	78.5	76.3	74.5	72.3	70.6	64
68	79.7	77.5	75.7	73.5	72.4	70.2	68.5	66.3	64.6	68
72	81.1	71.7	70.0	67.9	66.8	64.7	63.0	60.9	59.3	72
76	75.5	73.4	71.7	69.6	61.7	59.7	58.0	56.0	54.4	76
80	70.2	68.2	66.7	64.6	63.6	61.6	53.5	51.5	50.0	80
84	65.4	63.4	62.0	60.0	59.0	57.1	55.5	53.6	45.9	84
88	60.8	59.0	57.6	55.7	54.8	52.9	51.4	49.5	48.0	88
92	56.5	54.8	53.5	51.7	50.8	49.0	47.6	45.7	44.3	92
96	59.0	57.3	49.6	47.8	47.1	45.3	44.0	42.2	40.8	96
100	54.9	53.3	52.1	50.4	43.6	41.9	40.6	38.8	37.5	100
104	51.0	49.5	48.4	46.8	46.2	44.5	37.3	35.7	34.4	104
108	47.2	45.8	44.8	43.3	42.7	41.2	40.0	38.3	31.4	108
112	49.9	48.6	41.4	39.9	39.5	38.0	36.8	35.3	34.1	112
116	46.0	44.9	44.1	36.7	36.3	34.9	33.8	32.3	31.2	116
120	42.3	41.3	40.6	39.4	39.1	31.9	30.9	29.5	28.4	120
124	45.0	37.7	37.2	36.1	35.9	34.7	28.1	26.7	25.7	124
128		40.3	33.8	32.8	32.8	31.6	30.8	29.5	23.1	128
132			36.3	35.5	29.6	28.6	27.9	26.7	25.9	132
136					32.3	25.6	25.0	23.9	23.2	136
140						28.2	27.8	21.2	20.5	140
144								23.9	17.9	144

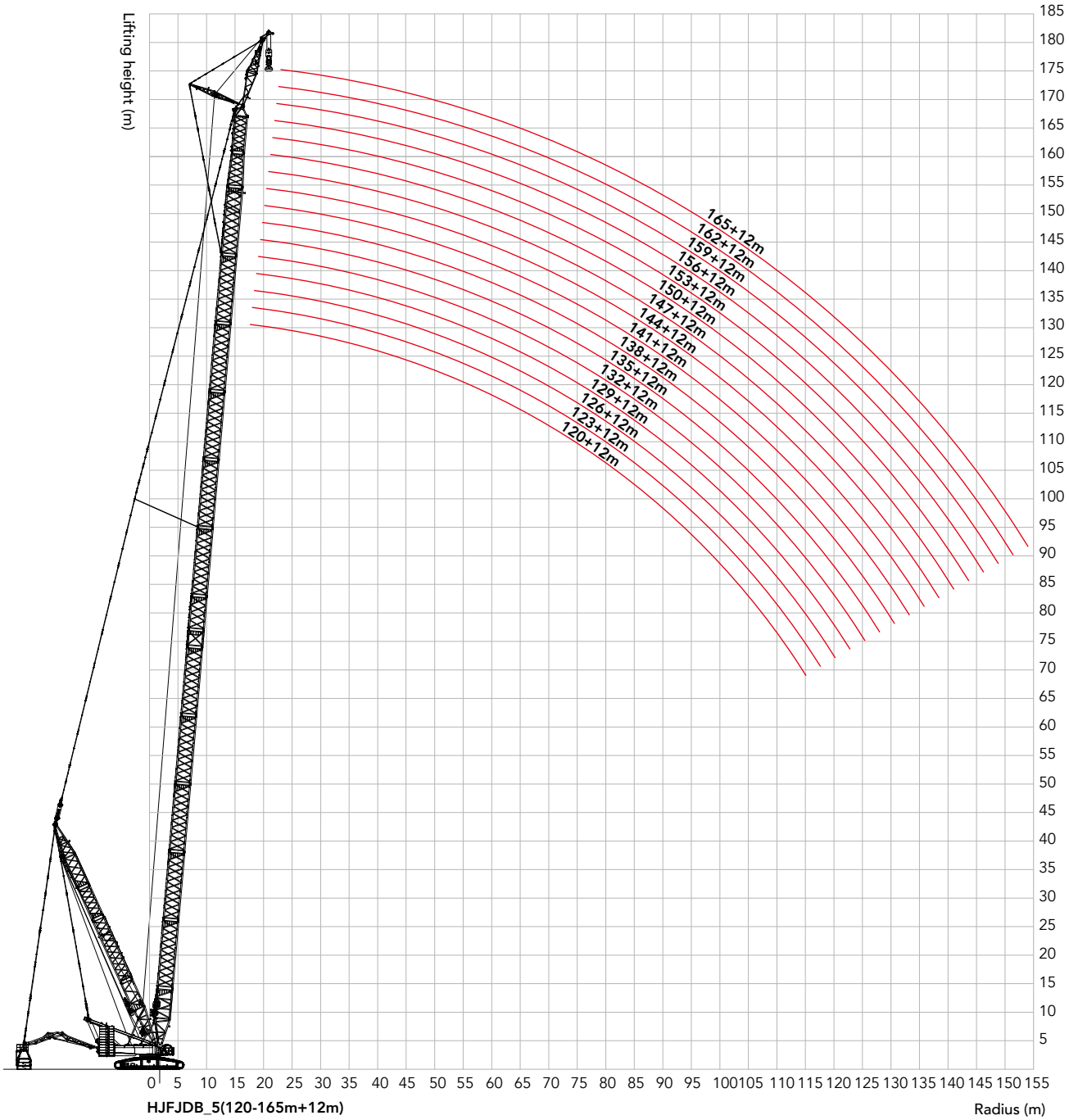
Boom combination in HJFJDB_5

Boom combination in HJFJDB_5										
Boom length (m)	12 m lower transition section	Power boom insert			12 m upper transition section	Boom insert				
		12mA	12mB	12mC		3m	6m	12mB	12mC	12mD
120	1	1	1	1	1	-	-	2	-	-
123	1	1	1	1	1	1	-	2	-	-
126	1	1	1	1	1	-	1	2	-	-
129	1	1	1	1	1	1	1	2	-	-
132	1	1	1	1	1	-	-	2	1	-
135	1	1	1	1	1	1	-	2	1	-
138	1	1	1	1	1	-	1	2	1	-
141	1	1	1	1	1	1	1	2	1	-
144	1	1	1	1	1	-	-	2	2	-
147	1	1	1	1	1	1	-	2	2	-
150	1	1	1	1	1	-	1	2	2	-
153	1	1	1	1	1	1	1	2	2	-
156	1	1	1	1	1	-	-	2	2	1
159	1	1	1	1	1	1	-	2	2	1
162	1	1	1	1	1	-	1	2	2	1
165	1	1	1	1	1	1	1	2	2	1

Note: The 10.5m boom base section, 12m boom transition section, 6m tapered section and 7.5m jib top 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.



HJFJDB_5 working radius diagram



HJFJDB_5(120-165m+12m)

Unit: t

Load chart of HJFJDB_5 configuration

Note:
1. Meet the requirements of ISO4305.
2. The data with the asterisk mark (*) in the table means that the superlift counterweight in this configuration is not off the ground.
3. The rated load in the table includes the weight of the hook, wire rope and other lifting tools. To obtain the weight can be lifted, use the rated load in the table to minus the weights of hooks, wire ropes and other lifting tools.

HJFJDB_5 Configuration 1/6

Boom length 120~165m Jib length12m Boom to jib angle10° Superlift Radius 22m
Superlift CWT 390t Rear CWT 230t Carbody CWT 80t

Radius (m)	120	123	126	129	132	135	138	141	144	147	150	153	156	159	162	165	Radius (m)
16	175*																16
18	175*	173*	171*	169*	167*	161*	153*	145*	137*								18
20	174*	172*	171*	169*	166*	161*	153*	145*	137*	129*	124*	116*	107*	101*	97.3*	91.6*	20
22	173*	172*	169*	168*	166*	161*	153*	145*	136*	130*	123*	116*	106*	101*	96.7*	91.0*	22
24	172*	171*	169*	167*	165*	161*	153*	146*	136*	129*	123*	115*	106*	100*	96.1*	90.4*	24
26	171*	170*	168*	167*	164*	161*	153*	146*	136*	129*	122*	114*	105*	99.6*	95.5*	89.8*	26
28	171*	170*	168*	167*	163*	161*	152*	145*	135*	128*	122*	114*	104*	99.0*	94.9*	89.2*	28
30	170*	169*	167*	166*	163*	160*	151*	145*	134*	128*	121*	113*	104*	98.3*	94.3*	88.6*	30
32	169*	168*	167*	165*	163*	159*	150*	144*	134*	127*	120*	113*	103*	97.7*	93.7*	88.0*	32
34	170*	167*	166*	164*	163*	158*	149*	143*	133*	126*	120*	112*	103*	97.1*	93.1*	87.4*	34
36	169*	166*	165*	163*	162*	157*	148*	142*	133*	126*	119*	111*	102*	96.5*	92.5*	86.8*	36
38	165	162	160	157	155	153	147*	142*	132*	125*	118*	111*	101*	95.8*	91.9*	86.2*	38
40	167*	165	151	149	147	145	142	140	131*	124*	118*	110*	101*	95.2*	91.2*	85.6*	40
44	152	149	147	144	143	130	128	126	125	122	116*	109*	99.5*	94.0*	89.9*	84.4*	44
48	139	136	134	131	130	127	125	123	122	111	109	107	98.3*	92.9*	88.6*	83.2*	48
52	127	125	123	120	119	117	115	112	111	109	107	105	96.8	91.7*	87.3*	82.0*	52
56	117	115	113	111	110	107	105	103	102	100	98.7	96.7	95.9*	90.5*	86.0*	80.9*	56
60	108	106	104	102	101	99.6	97.8	95.7	94.7	92.7	90.9	88.9	88.4	86.4	84.7*	75.8	60
64	109	99.0	97.2	95.2	94.4	92.4	90.6	88.6	87.7	85.7	84.0	82.1	81.6	79.7	78.1	69.6	64
68	101	99.9	98.2	88.5	87.7	85.8	84.1	82.2	81.4	79.5	77.8	76.0	75.6	73.7	72.2	64.0	68
72	95.0	93.2	91.6	89.8	89.1	79.9	78.3	76.4	75.7	73.8	72.3	70.5	70.1	68.3	66.8	65.1	72

Unit: t

Load chart of HJFJDB_5 configuration

HJFJDB_5 Configuration 2/6

Boom length 120~165m Jib length12m Boom to jib angle10° Superlift Radius 22m
Superlift CWT 390t Rear CWT 230t Carbody CWT 80t

Radius (m)	120	123	126	129	132	135	138	141	144	147	150	153	156	159	162	165	Radius (m)
76	88.8	87.1	85.6	83.8	83.2	81.5	79.9	78.1	70.5	68.7	67.2	65.5	65.2	63.4	62.0	60.3	76
80	83.0	81.4	80.0	78.4	77.9	76.2	74.7	73.0	72.4	70.6	62.6	60.9	60.7	58.9	57.5	55.9	80
84	85.0	76.1	74.8	73.3	72.9	71.3	69.9	68.2	67.7	66.0	64.5	62.9	56.5	54.8	53.5	51.8	84
88	79.6	78.2	77.0	68.5	68.2	66.7	65.4	63.8	63.4	61.7	60.3	58.8	58.6	56.9	55.6	48.1	88
92	74.5	73.2	72.2	70.8	63.9	62.4	61.2	59.7	59.3	57.7	56.4	54.9	54.8	53.2	51.9	44.6	92
96	69.6	68.5	67.6	66.3	66.2	64.8	57.3	55.8	55.5	54.0	52.7	51.3	51.2	49.7	48.4	41.4	96
100	72.0	64.0	63.2	62.0	62.0	60.8	59.7	58.3	51.9	50.4	49.3	47.9	47.9	46.3	45.1	38.4	100
104	67.2	66.4	59.0	57.9	58.0	56.9	55.9	54.6	54.4	53.0	46.0	44.6	44.7	43.2	42.1	40.6	104
108	62.5	61.9	61.4	60.5	54.2	53.1	52.3	51.1	50.9	49.6	48.6	47.3	41.7	40.3	39.2	37.8	108
112	57.9	57.5	57.2	56.4	56.8	55.8	48.7	47.6	47.6	46.4	45.4	44.1	44.3	42.9	36.4	35.0	112
116	60.1	59.9	53.0	52.4	52.9	52.1	51.4	44.3	44.4	43.2	42.3	41.1	41.4	40.0	39.0	32.4	116
120		55.2	55.4	48.4	49.1	48.4	47.9	47.0	47.2	40.2	39.3	38.2	38.5	37.3	36.3	29.9	120
124				50.8	51.7	44.8	44.4	43.6	43.9	42.9	36.5	35.4	35.8	34.6	33.7	27.5	124
128					47.6	47.4	40.9	40.3	40.7	39.8	39.2	38.2	33.1	32.0	31.2	30.0	128
132							43.5	43.0	37.5	36.8	36.2	35.4	35.9	34.8	28.7	27.6	132
136								39.5	40.2	33.7	33.3	32.6	33.2	32.2	31.5	25.3	136
140										36.3	36.1	29.8	30.5	29.6	29.0	23.0	140
144												32.5	27.8	27.0	26.5	20.7	144
148													30.4	29.8	24.0	23.2	148
152															26.7	20.8	152
156																18.4	156

Unit: t

Load chart of HJFJDB_5 configuration

HJFJDB_5 Configuration 3/6

Boom length 120~165m Jib length12m Boom to jib angle15° Superlift Radius 22m
Superlift CWT 390t Rear CWT 230t Carbody CWT 80t

Radius (m)	120	123	126	129	132	135	138	141	144	147	150	153	156	159	162	165	Radius (m)
18	176*	175*	174*	172*	167*												18
20	176*	175*	173*	171*	167*	159*	151*	143*	135*	128*	122*	116*	107*				20
22	176*	175*	173*	171*	167*	159*	152*	143*	135*	128*	123*	115*	106*	100*	96.5*	90.8*	22
24	173*	173*	173*	171*	167*	159*	152*	144*	135*	129*	123*	115*	105*	99.7*	96.0*	90.2*	24
26	168*	169*	170*	170*	168*	159*	152*	143*	135*	129*	122*	114*	105*	99.1*	95.4*	89.6*	26
28	164*	166*	165*	167*	166*	159*	152*	145*	135*	128*	122*	114*	104*	98.8*	94.9*	89.1*	28
30	160*	161*	161*	162*	162*	159*	151*	145*	134*	128*	121*	113*	103*	98.1*	94.3*	88.5*	30
32	156*	158*	158*	158*	159*	159*	150*	144*	134*	127*	120*	112*	103*	97.6*	93.8*	88.0*	32
34	152*	154*	154*	155*	155*	155*	149*	143*	133*	126*	120*	112*	103*	97.0*	93.2*	87.4*	34
36	149*	150*	151*	152*	153*	153*	148*	143*	132*	126*	119*	111*	102*	96.4*	92.7*	86.9*	36
38	146*	147*	148*	148*	149*	150*	147*	142*	132*	125*	119*	111*	101*	95.9*	92.1*	86.3*	38
40	142*	143*	145*	146*	146*	145	142	140	132*	125*	118*	110*	101*	95.3*	91.5*	85.7*	40
44	136*	138*	139*	139*	140*	130	128	126	125	122	117*	109*	99.6*	94.2*	90.3*	84.6*	44
48	130*	132*	133*	131	130	128	125	123	113	111	109	107	98.5*	93.0*	89.1*	83.5*	48
52	126*	125	123	120	119	117	115	113	111	109	107	105	97.0	92.0*	87.9*	82.4*	52
56	117	115	113	111	110	108	106	103	102	100	98.9	96.9	96.2*	90.9*	86.6*	81.5*	56
60	109	106	105	102	101	99.8	98.0	95.9	95.0	92.9	91.1	89.2	88.6	86.7	85.0	76.1	60
64	101	99.2	97.4	95.4	94.6	92.6	90.8	88.8	87.9	85.9	84.2	82.4	81.9	80.0	78.4	69.9	64
68	102	100	98.4	88.7	87.9	86.0	84.4	82.4	81.6	79.7	78.1	76.3	75.8	74.0	72.4	64.3	68
72	95.3	93.4	91.8	90.0	89.3	80.1	78.5	76.7	75.9	74.1	72.5	70.8	70.4	68.6	67.1	59.2	72
76	89.0	87.3	85.8	84.0	83.5	81.7	80.1	71.4	70.8	69.0	67.4	65.8	65.4	63.7	62.2	60.5	76

Unit: t

Load chart of HJFJDB_5 configuration

HJFJDB_5 Configuration 4/6

Boom length 120~165m Jib length12m Boom to jib angle15° Superlift Radius 22m
Superlift CWT 390t Rear CWT 230t Carbody CWT 80t

Radius (m)	120	123	126	129	132	135	138	141	144	147	150	153	156	159	162	165	Radius (m)
80	83.2	81.6	80.3	78.6	78.1	76.4	74.9	73.2	72.6	70.8	62.8	61.2	60.9	59.2	57.8	56.1	80
84	77.8	76.3	75.1	73.5	73.1	71.5	70.1	68.5	67.9	66.2	64.8	63.2	56.7	55.1	53.7	52.1	84
88	79.8	78.4	70.2	68.8	68.5	67.0	65.6	64.1	63.6	61.9	60.6	59.0	58.8	57.2	49.9	48.4	88
92	74.7	73.5	72.4	71.0	64.1	62.7	61.4	59.9	59.5	58.0	56.7	55.1	55.0	53.4	52.1	44.9	92
96	69.9	68.8	67.8	66.6	66.4	65.1	57.5	56.1	55.7	54.2	53.0	51.5	51.5	49.9	48.7	41.7	96
100	72.3	64.2	63.4	62.3	62.3	61.0	59.9	58.6	52.1	50.7	49.5	48.1	48.1	46.6	45.4	38.6	100
104	67.5	66.7	59.2	58.2	58.3	57.1	56.1	54.8	54.6	53.2	46.2	44.9	44.9	43.5	42.3	40.9	104
108	62.8	62.2	61.7	60.8	54.4	53.4	52.5	51.3	51.2	49.8	48.8	47.5	41.9	40.5	39.4	38.0	108
112	58.2	57.7	57.4	56.7	57.0	49.8	49.0	47.9	47.8	46.6	45.6	44.4	44.5	37.7	36.6	35.3	112
116	60.3	60.2	53.2	52.6	53.1	52.3	51.7	44.6	44.6	43.4	42.5	41.4	41.6	40.3	39.2	32.7	116
120		55.5	55.6	48.7	49.3	48.7	48.1	47.2	47.4	40.4	39.6	38.5	38.7	37.5	36.5	30.1	120
124				51.0	51.9	45.0	44.6	43.9	44.1	43.1	36.7	35.7	36.0	34.8	33.9	27.7	124
128					47.9	47.6	41.2	40.5	40.9	40.0	39.4	38.4	33.3	32.2	31.4	30.2	128
132							43.7	43.2	37.7	37.0	36.4	35.6	36.1	29.7	28.9	27.8	132
136								39.6	40.4	33.9	33.5	32.8	33.4	32.4	31.7	25.5	136
140										36.5	36.3	30.0	30.7	29.8	29.2	23.2	140
144											33.1	32.6	28.0	27.2	26.7	20.9	144
148													30.6	30.0	24.2	23.4	148
152														27.2	26.9	21.0	152
156																18.5	156

Unit: t

Load chart of HJFJDB_5 configuration

HJFJDB_5 Configuration 5/6

Boom length 120~165m Jib length12m Boom to jib angle20° Superlift Radius 22m
Superlift CWT 390t Rear CWT 230t Carbody CWT 80t

Radius (m)	120	123	126	129	132	135	138	141	144	147	150	153	156	159	162	165	Radius (m)
18	121*																18
20	118*	118*	118*	119*	118*	119*	119*	119*	119*								20
22	115*	115*	115*	116*	116*	116*	117*	117*	117*	117*	116*	114*	105*	99.7*	96.0*	90.3*	22
24	112*	113*	113*	113*	113*	113*	114*	114*	114*	115*	115*	114*	105*	99.1*	95.5*	89.8*	24
26	109*	110*	111*	111*	111*	111*	112*	112*	112*	112*	113*	113*	104*	98.8*	95.0*	89.3*	26
28	107*	107*	107*	109*	109*	109*	109*	110*	110*	110*	110*	111*	104*	98.2*	94.6*	88.8*	28
30	104*	105*	105*	106*	107*	107*	107*	107*	108*	108*	108*	108*	103*	97.7*	94.1*	88.2*	30
32	102*	103*	103*	104*	104*	105*	105*	105*	106*	105*	106*	107*	102*	97.2*	93.6*	87.7*	32
34	99.1*	100*	101*	102*	102*	102*	103*	103*	103*	103*	104*	105*	102*	96.6*	93.1*	87.2*	34
36	97.6*	97.7*	98.8*	99.2*	99.8*	100*	101*	101*	101*	102*	102*	103*	102*	96.1*	92.5*	86.7*	36
38	95.0*	96.3*	96.4*	97.3*	97.5*	98.8*	98.8*	98.6*	99.5*	99.8*	99.8*	101*	101*	95.6*	92.0*	86.2*	38
40	93.5*	93.7*	95.0*	95.5*	96.1*	96.6*	97.4*	96.7*	97.7*	98.0*	98.1*	98.6*	99.5*	95.1*	91.5*	85.7*	40
44	89.3*	90.5*	91.1*	91.7*	92.4*	92.9*	94.1*	93.6*	94.0*	94.4*	94.6*	95.3*	95.7*	94.0*	90.4*	84.7*	44
48	86.2*	87.0*	87.7*	88.8*	89.6*	90.1*	90.6*	89.7*	91.0*	90.9*	91.1*	92.0*	92.6*	93.0*	89.3*	83.6*	48
52	83.4*	84.1*	84.4*	85.6*	85.9*	86.8*	87.8*	87.3*	88.1*	88.0*	88.3*	89.0*	90.0*	90.6*	88.2*	82.6*	52
56	80.4*	81.2*	82.0*	82.7*	83.4*	84.1*	85.1*	84.2*	85.1*	85.1*	85.5*	86.9*	87.5*	87.6*	85.4	81.7*	56
60	77.4*	78.3*	79.6*	80.4*	80.7*	81.4*	82.4*	81.7*	82.2*	82.9*	83.3*	83.7*	84.5*	84.6*	84.5*	76.4	60
64	75.5*	76.4*	76.8*	77.8*	78.8*	79.5*	79.7*	79.3*	79.9*	80.7*	81.1*	81.6*	82.1	80.2	78.6	70.2	64
68	73.1*	73.5*	74.9*	75.1*	76.1*	76.8*	77.9*	77.2*	77.6*	78.4*	78.3*	76.5	76.1	74.2	72.7	64.6	68
72	70.6*	71.6*	72.3*	73.2*	74.2*	74.9*	75.3*	74.6*	75.4*	74.3	72.7	71.0	70.6	68.8	67.3	59.5	72
76	68.8*	69.7*	70.5*	71.4*	72.4*	72.8*	73.4*	71.6	71.0	69.2	67.7	66.0	65.7	63.9	62.5	60.8	76

Unit: t

Load chart of HJFJDB_5 configuration

HJFJDB_5 Configuration 6/6

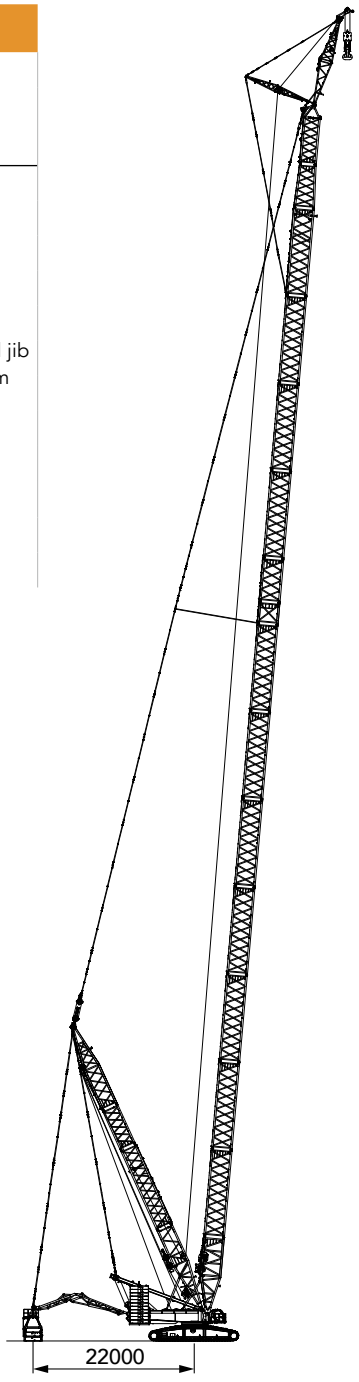
Boom length 120~165m Jib length12m Boom to jib angle20° Superlift Radius 22m
Superlift CWT 390t Rear CWT 230t Carbody CWT 80t

Radius (m)	120	123	126	129	132	135	138	141	144	147	150	153	156	159	162	165	Radius (m)
80	66.9*	68.0*	68.6*	69.5*	70.5*	70.9*	71.4*	70.8	71.7	64.5	63.0	61.4	61.1	59.4	58.0	56.4	80
84	65.5*	66.2*	66.8*	67.7*	68.4*	69.4	70.2	68.7	68.1	66.4	65.0	57.2	57.0	55.3	54.0	52.4	84
88	63.8*	64.3*	65.4*	66.0	67.0	67.2	65.9	64.3	63.8	62.1	60.8	59.2	59.0	57.4	50.2	48.6	88
92	62.4*	62.9	63.9	64.5	64.3	62.9	61.7	60.2	59.7	58.2	56.9	55.4	55.2	53.6	52.4	45.1	92
96	60.9	61.5	62.2	63.0	63.9	64.5	57.7	56.3	55.9	54.4	53.2	51.7	51.7	50.1	48.9	41.9	96
100	59.5	60.4	61.1	61.9	62.2	61.2	60.1	58.8	52.3	50.9	49.7	48.3	48.3	46.8	45.6	38.8	100
104	58.4	59.5	59.4	58.4	58.5	57.3	56.3	55.1	54.8	47.5	46.4	45.1	45.1	43.7	42.5	41.1	104
108	57.3	57.9	58.8	59.6	54.6	53.6	52.7	51.5	51.4	50.0	49.0	42.0	42.1	40.7	39.6	38.2	108
112	56.6	57.0	57.6	56.9	57.2	50.0	49.2	48.1	48.0	46.8	45.8	44.6	44.7	37.9	36.8	35.5	112
116	55.6	56.4	53.4	52.8	53.3	52.5	51.9	44.8	44.8	43.6	42.7	41.6	41.8	40.5	39.4	32.9	116
120		55.3	55.8	48.8	49.5	48.8	48.3	47.4	41.7	40.6	39.7	38.7	38.9	37.7	36.7	30.3	120
124				51.2	52.1	45.2	44.8	44.0	44.3	43.3	36.9	35.8	36.2	35.0	34.1	27.9	124
128					48.0	47.7	41.3	40.7	41.1	40.2	39.5	38.6	33.5	32.4	31.6	30.4	128
132							43.8	43.4	37.9	37.1	36.6	35.7	36.3	29.9	29.1	28.0	132
136								39.8	40.5	34.1	33.6	32.9	33.5	32.5	31.8	25.6	136
140										36.6	36.4	30.1	30.8	29.9	29.3	23.3	140
144											33.2	32.8	28.1	27.3	26.8	21.0	144
148													30.7	30.1	24.3	23.5	148
152														27.3	27.0	21.1	152
156																18.7	156

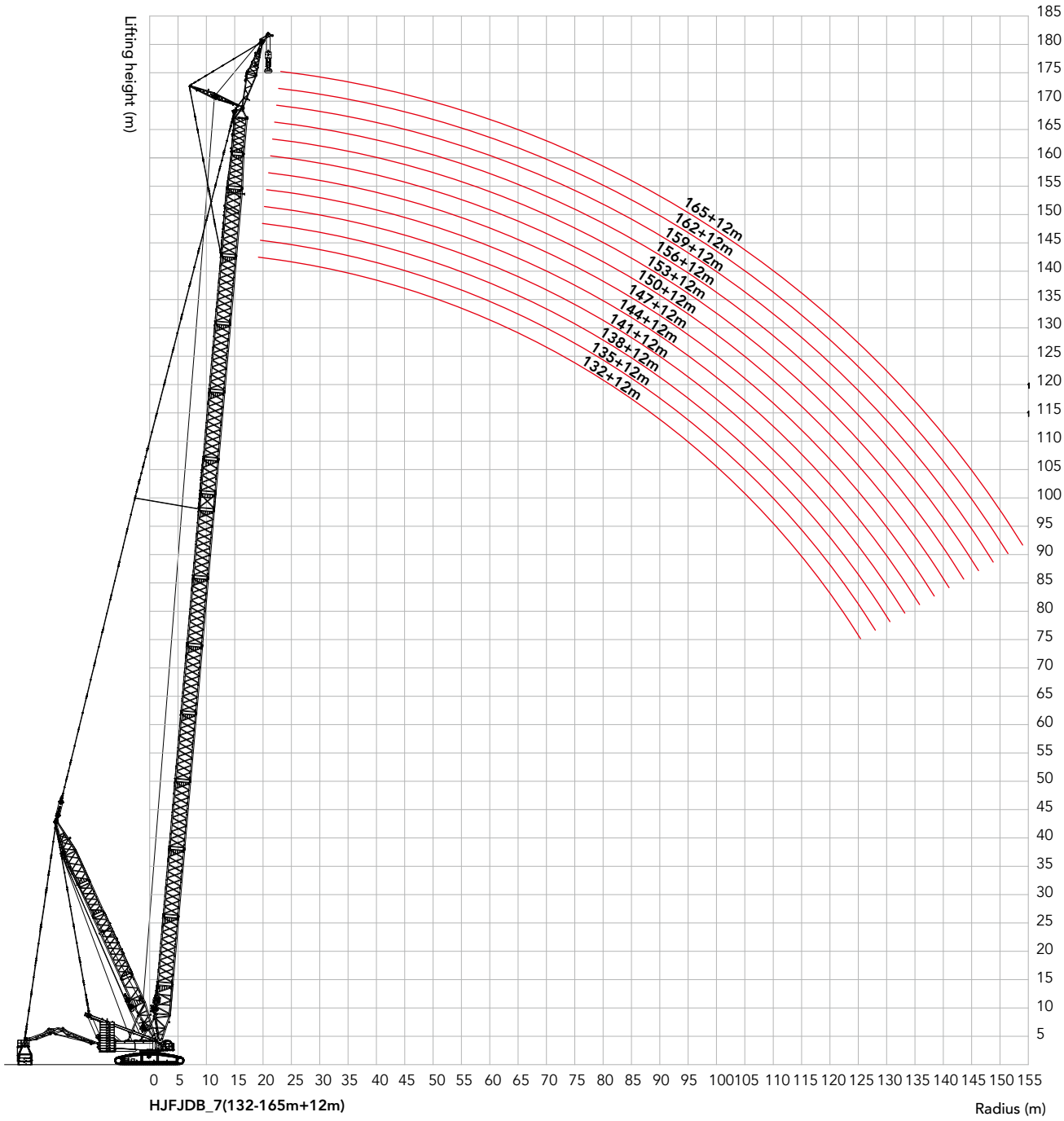
Boom combination in HJFJDB_7

Boom combination in HJFJDB_7											
Boom length (m)	Power boom insert						Boom insert				
	12 m lower transition section	12mA	12mB	12mC	12mD	12 m upper transition section	3m	6m	12mB	12mC	
132	1	1	1	2	1	1	-	-	1	-	Fixed jib 12m
135	1	1	1	2	1	1	1	-	1	-	
138	1	1	1	2	1	1	-	1	1	-	
141	1	1	1	2	1	1	1	1	1	-	
144	1	1	1	2	1	1	-	-	2	-	
147	1	1	1	2	1	1	1	-	2	-	
150	1	1	1	2	1	1	-	1	2	-	
153	1	1	1	2	1	1	1	1	2	-	
156	1	1	1	2	1	1	-	-	2	1	
159	1	1	1	2	1	1	1	-	2	1	
162	1	1	1	2	1	1	-	1	2	1	
165	1	1	1	2	1	1	1	1	2	1	

Note: The 10.5m boom base section, 12m boom transition section, 6m tapered section and 7.5m jib top 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.



HJFJDB-7 working radius diagram



HJFJDB_7(132-165m+12m)

Unit: t

Load chart of HJFJDB_7 configuration

Note:
1. Meet the requirements of ISO4305.
2. The data with the asterisk mark (*) in the table means that the superlift counterweight in this configuration is not off the ground.
3. The rated load in the table includes the weight of the hook, wire rope and other lifting tools. To obtain the weight can be lifted, use the rated load in the table to minus the weights of hooks, wire ropes and other lifting tools.

HJFJDB_7 Configuration 1/3													
Boom length 132~165m Jib length12m Boom to jib angle10° Superlift Radius 22m Superlift CWT 390t Rear CWT 230t Carbody CWT 80t													
Radius (m)	132	135	138	141	144	147	150	153	156	159	162	165	Radius (m)
18	171*	168*	165*	156*	149*								18
20	170*	168*	165*	156*	149*	141*	136*	128*	122*	116*	109*	104*	20
22	169*	167*	165*	157*	149*	143*	136*	129*	122*	115*	109*	103*	22
24	169*	167*	165*	157*	150*	143*	137*	129*	121*	115*	109*	103*	24
26	168*	166*	165*	157*	150*	143*	137*	128*	121*	114*	108*	102*	26
28	168*	166*	164*	158*	151*	144*	137*	128*	120*	114*	108*	102*	28
30	167*	165*	164*	158*	151*	144*	137*	127*	120*	113*	107*	101*	30
32	166*	164*	163*	158*	151*	143*	136*	126*	119*	112*	106*	100*	32
34	165*	163*	162*	159*	151*	143*	135*	126*	118*	112*	106*	99.9*	34
36	164	161	158	156	150*	142*	135*	125*	118*	112*	105*	99.3*	36
38	155	152	149	147	145	142*	134*	125*	117*	111*	105*	98.7*	38
40	146	144	141	139	137	134	132	124*	117*	110*	104*	98.2*	40
44	142	129	127	125	123	121	119	116	115*	109*	103*	97.1*	44
48	129	126	124	122	120	109	107	105	104	102	100	95.9*	48
52	118	116	114	111	110	108	106	103	95.0	92.9	91.2	89.2	52
56	109	106	104	102	101	99.0	97.2	95.1	94.3	92.2	90.5	88.5	56
60	100	98.7	96.8	94.7	93.3	91.2	89.4	87.4	86.6	84.6	82.9	81.0	60
64	93.5	91.4	89.6	87.6	86.2	84.2	82.5	80.5	79.9	77.9	76.3	74.4	64
68	86.8	84.8	83.2	81.2	79.9	78.0	76.3	74.4	73.8	71.9	70.3	68.5	68
72	88.2	78.9	77.3	75.4	74.2	72.4	70.8	68.9	68.4	66.5	65.0	63.2	72
76	82.3	80.5	78.9	77.1	69.0	67.2	65.7	63.9	63.4	61.6	60.1	58.3	76
80	77.0	75.2	73.7	71.9	70.9	69.1	61.1	59.3	58.9	57.1	55.7	54.0	80
84	72.0	70.3	68.9	67.2	66.2	64.5	63.0	61.3	54.7	53.0	51.6	49.9	84
88	67.3	65.7	64.4	62.8	61.9	60.2	58.8	57.2	56.8	55.1	53.7	46.2	88
92	63.0	61.4	60.2	58.7	57.8	56.2	54.9	53.3	53.0	51.4	50.0	48.4	92
96	65.3	63.9	56.3	54.8	54.0	52.5	51.2	49.7	49.4	47.8	46.6	45.0	96
100	61.1	59.8	58.7	57.3	50.4	48.9	47.8	46.2	46.1	44.5	43.3	41.7	100
104	57.1	55.9	54.9	53.6	52.9	51.5	44.5	43.0	42.9	41.4	40.2	38.7	104
108	53.3	52.1	51.3	50.0	49.4	48.1	47.0	45.6	39.9	38.4	37.3	35.8	108
112	55.9	54.8	47.8	46.6	46.1	44.8	43.9	42.5	42.5	41.1	34.5	33.1	112
116	52.0	51.1	50.5	43.3	42.9	41.7	40.8	39.5	39.5	38.2	37.2	35.8	116
120	48.2	47.4	46.9	46.0	45.7	38.7	37.8	36.6	36.7	35.5	34.4	33.1	120
124		43.8	43.4	42.6	42.4	41.4	34.9	33.8	34.0	32.8	31.8	30.6	124
128				39.3	39.2	38.3	37.6	36.6	31.3	30.2	29.3	28.1	128
132					36.0	35.3	34.7	33.7	34.1	33.0	26.8	25.7	132
136							31.8	30.9	31.3	30.4	29.6	23.3	136
140									28.7	27.8	27.1	26.1	140
144										25.2	24.6	23.6	144
148												21.2	148

Unit: t

Load chart of HJFJDB_7 configuration

HJFJDB_7 Configuration 2/3														
Boom length 132~165m Jib length12m Boom to jib angle15° Superlift Radius 22m Superlift CWT 390t Rear CWT 230t Carbody CWT 80t														
Radius (m)	132	135	138	141	144	147	150	153	156	159	162	165	Radius (m)
18	172*												18
20	172*	170*	163*	154*	147*	140*	133*	127*	120*				20
22	172*	171*	163*	154*	147*	140*	134*	126*	121*	115*	109*	103*	22
24	171*	170*	163*	155*	147*	141*	135*	127*	121*	114*	108*	102*	24
26	171*	170*	164*	154*	148*	141*	135*	127*	120*	114*	108*	102*	26
28	168*	167*	164*	156*	148*	142*	135*	127*	120*	113*	107*	101*	28
30	164*	164*	163*	155*	149*	143*	136*	127*	119*	113*	107*	101*	30
32	159*	160*	161*	157*	150*	143*	136*	126*	119*	112*	106*	100*	32
34	157*	157*	157*	157*	150*	143*	135*	126*	118*	112*	106*	99.7*	34
36	153*	153*	154*	154*	150*	142*	135*	125*	118*	111*	105*	99.2*	36
38	149*	151*	150	147	145	142*	134*	125*	117*	111*	105*	98.7*	38
40	146	144	141	139	137	135	133	124*	117*	110*	104*	98.2*	40
44	141*	130	127	125	123	121	119	117	116*	109*	103*	97.2*	44
48	129	127	125	122	112	109	108	105	104	102	101	96.1*	48
52	118	116	114	112	110	108	106	104	95.3	93.3	91.5	89.5	52
56	109	107	105	102	101	99.3	97.4	95.3	94.6	92.5	90.8	81.4	56
60	101	98.9	97.0	94.9	93.5	91.4	89.7	87.6	86.9	84.9	83.2	81.3	60
64	93.7	91.6	89.9	87.8	86.5	84.5	82.8	80.8	80.1	78.2	76.6	74.7	64
68	87.0	85.1	83.4	81.4	80.2	78.2	76.6	74.7	74.1	72.2	70.6	68.8	68
72	88.4	79.1	77.6	75.7	74.5	72.6	71.0	69.2	68.6	66.8	65.3	63.5	72
76	82.6	80.7	79.2	70.4	69.3	67.5	66.0	64.2	63.7	61.9	60.4	58.7	76
80	77.2	75.4	74.0	72.2	71.1	69.3	61.3	59.6	59.1	57.4	56.0	54.3	80
84	72.2	70.5	69.2	67.5	66.4	64.7	63.3	61.6	55.0	53.3	51.9	50.2	84
88	67.6	66.0	64.7	63.1	62.1	60.5	59.1	57.4	57.1	55.4	48.1	46.5	88
92	63.2	61.7	60.5	58.9	58.1	56.5	55.2	53.5	53.2	51.6	50.3	48.7	92
96	65.5	64.1	56.5	55.0	54.2	52.7	51.5	49.9	49.7	48.1	46.8	45.2	96
100	61.4	60.0	59.0	57.5	50.6	49.2	48.0	46.5	46.3	44.8	43.5	42.0	100
104	57.4	56.1	55.2	53.8	53.2	51.7	44.7	43.3	43.1	41.7	40.5	39.0	104
108	53.5	52.4	51.5	50.3	49.7	48.3	47.3	45.9	40.1	38.7	37.5	36.1	108
112	56.1	48.8	48.0	46.8	46.3	45.1	44.1	42.7	42.7	35.8	34.7	33.3	112
116	52.2	51.3	50.7	43.5	43.1	41.9	41.0	39.7	39.8	38.4	37.4	30.7	116
120	48.4	47.7	47.1	46.2	45.9	38.9	38.1	36.8	36.9	35.7	34.7	33.3	120
124		44.0	43.6	42.8	42.6	41.6	35.2	34.0	34.2	33.0	32.1	30.8	124
128				39.5	39.4	38.5	37.9	36.8	31.5	30.4	29.5	28.3	128
132					36.2	35.5	34.9	34.0	34.3	27.9	27.0	25.9	132
136							32.0	31.1	31.6	30.6	29.8	23.5	136
140									28.8	28.0	27.3	26.3	140
144										25.4	24.8	23.8	144
148												21.4	148

Unit: t

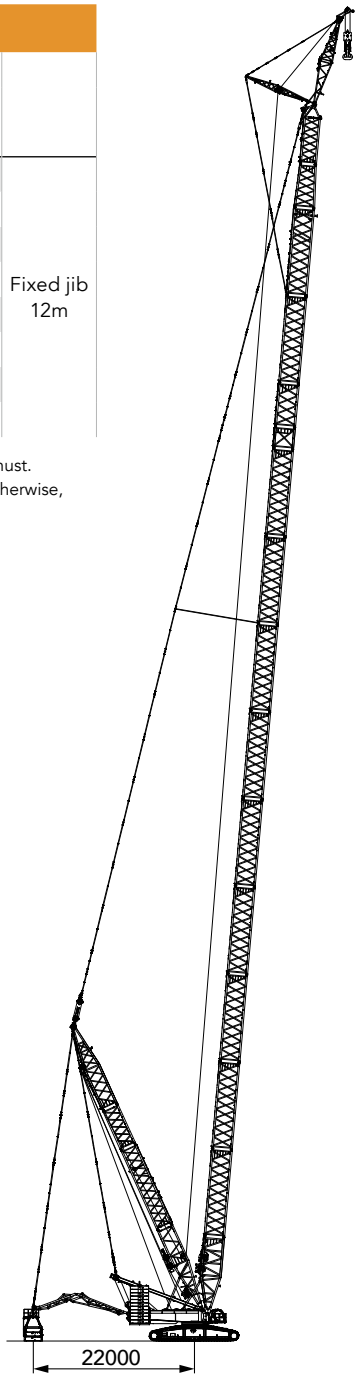
Load chart of HJFJDB_7 configuration

HJFJDB_7 Configuration 3/3													
Boom length 132~165m Jib length12m Boom to jib angle20° Superlift Radius 22m Superlift CWT 390t Rear CWT 230t Carbody CWT 80t													
Radius (m)	132	135	138	141	144	147	150	153	156	159	162	165	Radius (m)
20	119*	120*	120*	119*	120*								20
22	116*	117*	117*	117*	118*	118*	117*	118*	118*	113*	107*	102*	22
24	114*	115*	114*	115*	115*	115*	115*	115*	115*	113*	107*	102*	24
26	112*	111*	112*	112*	113*	113*	113*	113*	114*	113*	107*	101*	26
28	108*	109*	110*	110*	111*	110*	110*	112*	112*	112*	107*	101*	28
30	106*	107*	108*	108*	108*	108*	108*	109*	109*	109*	106*	100*	30
32	104*	105*	106*	106*	105*	106*	107*	108*	107*	107*	106*	99.8*	32
34	102*	103*	103*	104*	103*	104*	104*	105*	105*	106*	105*	99.3*	34
36	100*	100*	101*	102*	102*	102*	102*	103*	104*	104*	104*	98.9*	36
38	97.7*	98.9*	98.8*	99.7*	99.6*	99.9*	101*	102*	102*	102*	102*	98.4*	38
40	96.3*	96.6*	97.4*	97.7*	97.6*	98.0*	98.0*	100*	99.8*	99.9*	100*	98.0*	40
44	92.5*	92.9*	93.8*	93.7*	94.5*	95.0*	95.0*	95.9*	96.1*	96.6*	96.9*	97.1*	44
48	89.2*	90.1*	90.4*	90.4*	90.6*	91.2*	92.1*	93.2*	93.2*	93.5*	93.8*	94.1*	48
52	85.9*	87.4*	87.7*	87.2*	88.3*	88.2*	88.4*	89.8*	90.1*	90.3*	90.7*	89.9	52
56	83.1*	83.9*	85.0*	84.8*	85.3*	85.9*	86.1*	87.3*	87.4*	87.7*	83.7	81.7	56
60	80.8*	81.6*	82.3*	82.4*	82.2*	82.8*	83.1*	84.6*	84.8*	85.1*	83.5	81.6	60
64	78.7*	79.3*	80.0*	79.9*	79.8*	80.5*	80.8*	81.1	80.4	78.5	76.9	75.0	64
68	75.9*	76.6*	77.7*	77.7*	77.8*	78.1*	76.8	74.9	74.3	72.5	70.9	69.1	68
72	74.1*	74.8*	75.8*	75.2*	74.7	72.8	71.3	69.4	68.9	67.1	65.5	63.8	72
76	72.3*	72.9*	73.4*	70.6	69.5	67.7	66.2	64.4	63.9	62.2	60.7	58.9	76
80	70.4*	71.1*	71.5	71.2	71.3	63.0	61.6	59.8	59.4	57.7	56.2	54.5	80
84	68.6*	69.4	69.4	67.7	66.7	64.9	63.5	55.6	55.2	53.5	52.1	50.5	84
88	66.7	66.2	64.9	63.3	62.3	60.7	59.3	57.7	57.3	55.6	48.4	46.7	88
92	63.4	61.9	60.7	59.1	58.3	56.7	55.4	53.8	53.5	51.9	50.5	48.9	92
96	64.0	64.3	56.7	55.3	54.5	52.9	51.7	50.1	49.9	48.3	47.0	45.5	96
100	61.6	60.2	59.2	57.8	50.9	49.4	48.2	46.7	46.5	45.0	43.8	42.2	100
104	57.6	56.3	55.4	54.0	53.4	46.0	44.9	43.5	43.3	41.9	40.7	39.2	104
108	53.7	52.6	51.7	50.5	49.9	48.6	47.5	40.4	40.3	38.9	37.8	36.3	108
112	56.3	49.0	48.2	47.0	46.6	45.3	44.3	43.0	42.9	36.1	35.0	33.6	112
116	52.4	51.5	50.9	43.7	43.3	42.1	41.2	40.0	40.0	38.7	37.6	30.9	116
120	48.6	47.9	47.3	46.4	40.2	39.1	38.2	37.0	37.1	35.9	34.9	33.6	120
124		44.2	43.8	43.0	42.8	41.8	35.4	34.2	34.4	33.2	32.2	31.0	124
128				39.7	39.6	38.7	38.0	37.0	31.7	30.6	29.7	28.5	128
132					36.4	35.6	35.1	34.1	34.5	28.0	27.2	26.1	132
136							32.1	31.3	31.7	30.7	30.0	23.7	136
140								28.5	29.0	28.1	27.4	26.4	140
144										25.5	24.9	24.0	144
148												21.6	148

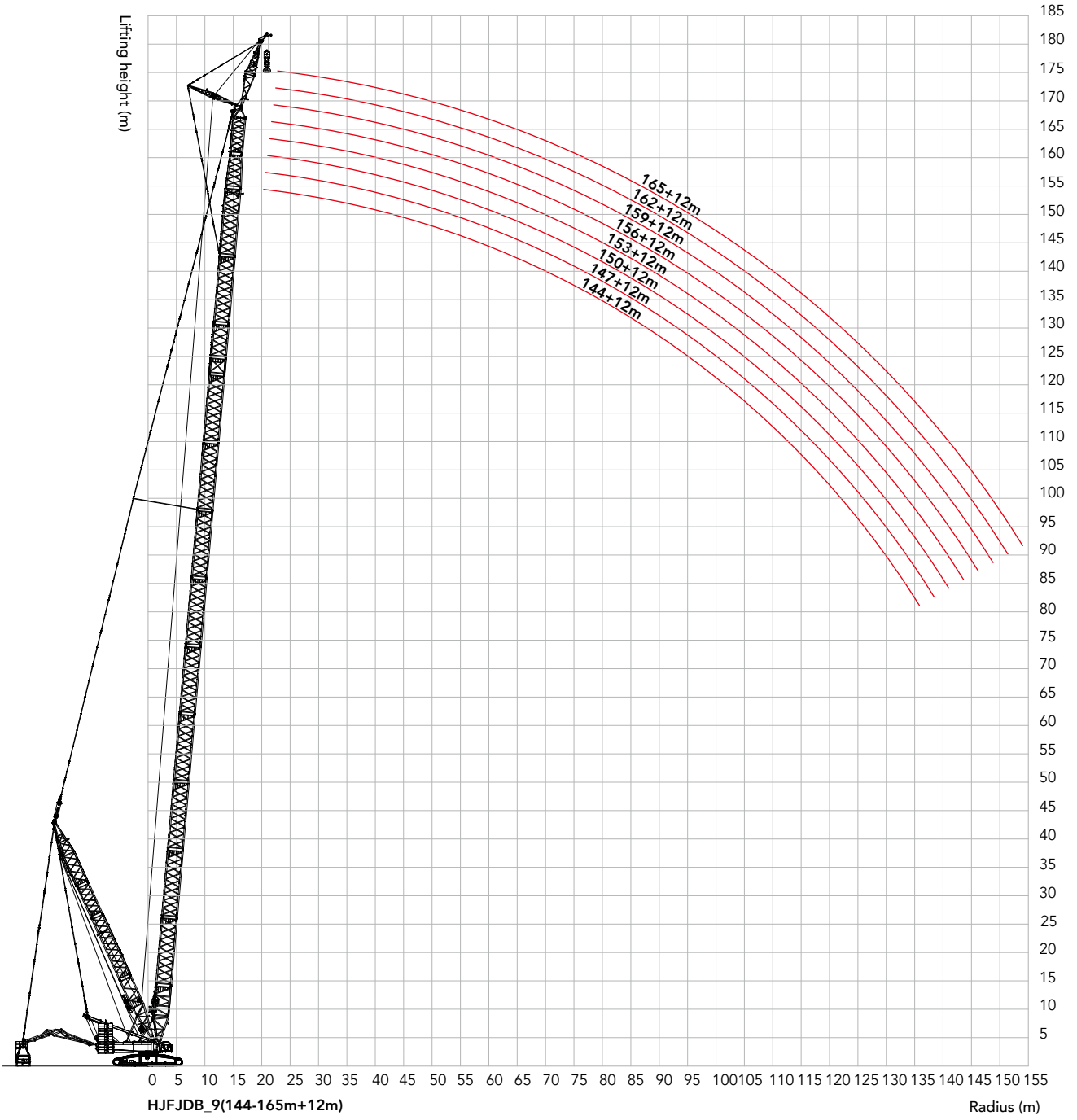
Boom combination in HJFJDB_9

Boom combination in HJFJDB_9										
Boom length (m)	Power boom insert						Boom insert			
	12 m lower transition section	12mA	12mB	12mC	12mD	12 m upper transition section	3m	6m	12mB	
144	1	1	1	2	3	1	-	-	-	
147	1	1	1	2	3	1	1	-	-	
150	1	1	1	2	3	1	-	1	-	
153	1	1	1	2	3	1	1	1	-	Fixed jib 12m
156	1	1	1	2	3	1	-	-	1	
159	1	1	1	2	3	1	1	-	1	
162	1	1	1	2	3	1	-	1	1	
165	1	1	1	2	3	1	1	1	1	

Note: The 10.5m boom base section, 12m boom transition section, 6m tapered section and 7.5 m jib top 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.



HJFJDB-9 working radius diagram



Unit: t

Load chart of HJFJDB_9 configuration

Note:
1. Meet the requirements of ISO4305.
2. The data with the asterisk mark (*) in the table means that the superlift counterweight in this configuration is not off the ground.
3. The rated load in the table includes the weight of the hook, wire rope and other lifting tools. To obtain the weight can be lifted, use the rated load in the table to minus the weights of hooks, wire ropes and other lifting tools.

HJFJDB_9 Configuration 1/3									
Boom length 144~165m	Jib length12m	Boom to jib angle10°	Superlift Radius 22m	Superlift CWT 390t	Rear CWT 230t	Carbody CWT 80t			
Radius (m)	144	147	150	153	156	159	162	165	Radius (m)
18	154*								18
20	154*	147*	140*	133*	127*	121*	115*	110*	20
22	154*	147*	140*	133*	127*	121*	116*	110*	22
24	155*	148*	141*	133*	127*	122*	116*	110*	24
26	155*	148*	141*	133*	128*	122*	116*	109*	26
28	155*	149*	141*	134*	128*	122*	115*	109*	28
30	155*	149*	142*	134*	128*	121*	115*	109*	30
32	156*	148*	142*	134*	128*	121*	114*	108*	32
34	156*	149*	142*	134*	127*	120*	114*	108*	34
36	154	149*	142*	133*	127*	120*	113*	107*	36
38	145	142	140	133*	126*	119*	113*	106*	38
40	137	135	132	130	126*	119*	112*	106*	40
44	123	121	119	116	115	113	111*	105*	44
48	120	109	107	105	104	101	100	97.9	48
52	110	108	106	103	94.4	92.3	90.6	88.5	52
56	101	99.1	97.2	95.1	93.7	91.6	89.9	87.8	56
60	93.4	91.2	89.5	87.3	86.1	84.0	82.3	80.3	60
64	86.3	84.3	82.6	80.5	79.3	77.3	75.7	73.7	64
68	80.0	78.0	76.4	74.4	73.2	71.3	69.7	67.8	68
72	74.3	72.4	70.8	68.9	67.8	65.9	64.4	62.5	72
76	69.1	67.3	65.8	63.9	62.8	61.0	59.5	57.7	76
80	71.0	69.1	61.1	59.3	58.3	56.5	55.1	53.3	80
84	66.3	64.5	63.1	61.3	54.1	52.4	51.0	49.2	84
88	62.0	60.2	58.9	57.1	56.2	54.5	53.1	45.5	88
92	57.9	56.3	55.0	53.3	52.4	50.7	49.4	47.7	92
96	54.1	52.5	51.3	49.7	48.9	47.2	45.9	44.3	96
100	50.5	49.0	47.8	46.2	45.5	43.9	42.7	41.1	100
104	53.0	51.5	44.5	43.0	42.3	40.8	39.6	38.0	104
108	49.5	48.1	47.1	45.6	39.3	37.8	36.7	35.1	108
112	46.2	44.9	43.9	42.5	41.9	40.5	33.9	32.4	112
116	43.0	41.7	40.8	39.5	39.0	37.6	36.5	35.1	116
120	45.8	38.7	37.9	36.6	36.1	34.8	33.8	32.4	120
124	42.5	41.4	35.0	33.8	33.4	32.1	31.2	29.9	124
128	39.3	38.3	37.7	36.6	30.8	29.5	28.7	27.4	128
132	36.1	35.3	34.7	33.7	33.5	32.4	26.2	25.0	132
136			31.8	30.9	30.8	29.7	29.0	22.6	136
140					28.1	27.1	26.5	25.4	140
144						24.5	24.0	22.9	144
148								20.5	148

Unit: t

Load chart of HJFJDB_9 configuration

HJFJDB_9 Configuration 2/3									
Boom length 144~165m	Jib length12m	Boom to jib angle15°	Superlift Radius 22m	Superlift CWT 390t	Rear CWT 230t	Carbody CWT 80t			
Radius (m)	144	147	150	153	156	159	162	165	Radius (m)
20	151*	144*	139*	131*	125*				20
22	152*	144*	139*	131*	126*	120*	114*	109*	22
24	152*	146*	139*	132*	126*	120*	115*	109*	24
26	152*	146*	139*	132*	126*	121*	115*	109*	26
28	153*	147*	141*	132*	127*	120*	115*	109*	28
30	154*	147*	140*	133*	126*	121*	115*	108*	30
32	154*	148*	141*	132*	127*	120*	114*	108*	32
34	154*	147*	141*	133*	127*	120*	114*	107*	34
36	154	148*	141*	133*	126*	119*	113*	107*	36
38	145	143	141	133*	126*	119*	113*	106*	38
40	137	135	133	130	126*	119*	112*	106*	40
44	123	121	119	117	115	113	111*	105*	44
48	112	109	108	105	104	102	100	98.3	48
52	110	108	106	104	94.8	92.7	90.9	88.9	52
56	101	99.3	97.5	95.3	94.0	91.9	90.2	80.7	56
60	93.6	91.5	89.7	87.6	86.4	84.3	82.6	80.6	60
64	86.6	84.5	82.8	80.8	79.6	77.6	76.0	74.0	64
68	80.3	78.3	76.7	74.7	73.5	71.6	70.0	68.1	68
72	74.6	72.6	71.1	69.2	68.1	66.2	64.7	62.8	72
76	69.4	67.5	66.0	64.2	63.1	61.3	59.8	58.0	76
80	71.2	69.3	61.4	59.6	58.6	56.8	55.4	53.6	80
84	66.5	64.8	63.3	61.6	54.4	52.7	51.3	49.5	84
88	62.2	60.5	59.1	57.4	56.5	54.8	47.5	45.8	88
92	58.2	56.5	55.2	53.5	52.7	51.0	49.7	48.0	92
96	54.3	52.8	51.5	49.9	49.1	47.5	46.2	44.5	96
100	50.7	49.2	48.1	46.5	45.7	44.2	42.9	41.3	100
104	53.3	51.8	44.8	43.2	42.6	41.0	39.8	38.3	104
108	49.8	48.4	47.3	45.9	39.5	38.1	36.9	35.4	108
112	46.4	45.1	44.1	42.7	42.1	35.2	34.1	32.7	112
116	43.2	42.0	41.1	39.7	39.2	37.8	36.8	30.0	116
120	46.0	38.9	38.1	36.8	36.4	35.0	34.0	32.7	120
124	42.7	41.7	35.2	34.0	33.6	32.4	31.4	30.1	124
128	39.5	38.6	37.9	36.8	31.0	29.8	28.9	27.6	128
132	36.3	35.5	35.0	33.9	33.7	27.2	26.4	25.2	132
136			32.0	31.1	31.0	29.9	29.2	22.8	136
140					28.3	27.3	26.7	25.6	140
144						24.7	24.1	23.1	144
148								20.7	148

Unit: t

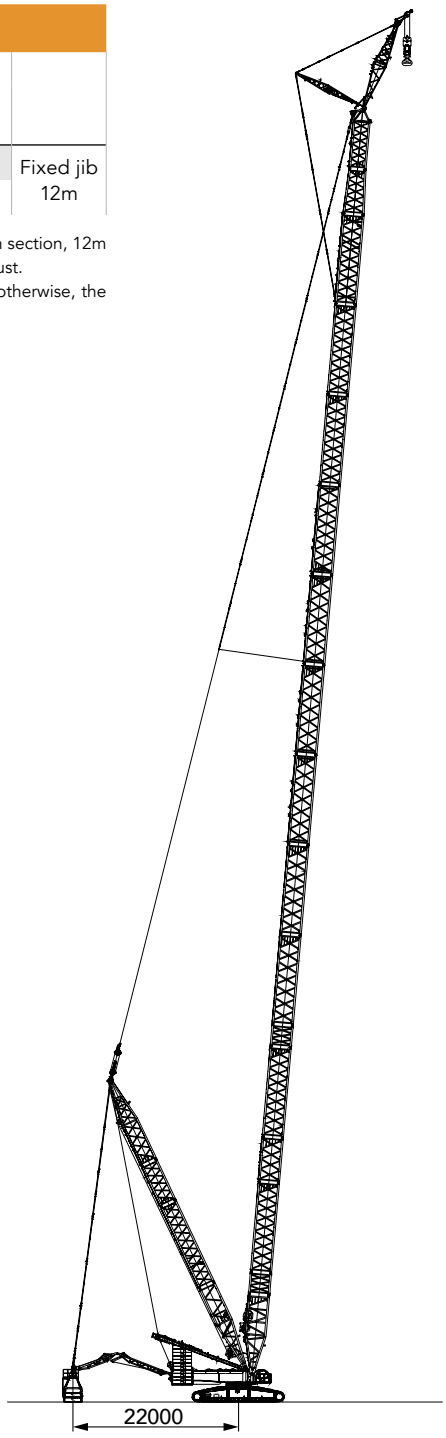
Load chart of HJFJDB_9 configuration

HJFJDB_9 Configuration 3/3									
Boom length 144~165m	Jib length12m	Boom to jib angle20°	Superlift Radius 22m	Superlift CWT 390t	Rear CWT 230t	Carbody CWT 80t			
Radius (m)	144	147	150	153	156	159	162	165	Radius (m)
20	120*								20
22	117*	117*	118*	117*	118*	117*	112*	107*	22
24	115*	116*	115*	116*	116*	116*	112*	108*	24
26	113*	113*	113*	113*	114*	113*	114*	108*	26
28	110*	110*	111*	111*	111*	112*	112*	108*	28
30	108*	109*	108*	109*	110*	110*	110*	108*	30
32	106*	106*	106*	108*	108*	107*	108*	107*	32
34	104*	104*	105*	106*	106*	106*	106*	106*	34
36	102*	102*	102*	104*	103*	104*	104*	104*	36
38	99.9*	100*	100*	102*	102*	102*	102*	102*	38
40	97.9*	97.9*	98.3*	99.3*	99.9*	100*	101*	101*	40
44	94.7*	94.8*	95.4*	95.8*	96.5*	96.9*	97.4*	97.4*	44
48	90.7*	91.7*	91.6*	93.1*	93.2*	93.9*	94.2*	94.3*	48
52	88.3*	88.6*	88.6*	90.3*	90.4*	90.6*	91.0*	89.2	52
56	85.1*	85.5*	86.2*	86.8*	87.9*	87.9*	83.1	81.1	56
60	82.7*	83.1*	83.2*	84.7*	84.9*	84.6	82.9	80.9	60
64	80.2*	80.7*	80.8*	81.0	79.8	77.9	76.3	74.3	64
68	78.0*	78.3*	76.9	74.9	73.8	71.9	70.3	68.4	68
72	74.8	72.9	71.3	69.4	68.3	66.5	64.9	63.1	72
76	69.6	67.7	66.3	64.4	63.4	61.5	60.1	58.3	76
80	71.4	63.0	61.6	59.8	58.8	57.1	55.6	53.9	80
84	66.8	65.0	63.6	55.6	54.7	52.9	51.5	49.8	84
88	62.4	60.7	59.4	57.6	56.7	55.0	47.8	46.1	88
92	58.4	56.7	55.4	53.8	52.9	51.2	49.9	48.2	92
96	54.6	53.0	51.8	50.1	49.3	47.7	46.4	44.8	96
100	51.0	49.4	48.3	46.7	46.0	44.4	43.2	41.6	100
104	53.5	46.1	45.0	43.5	42.8	41.3	40.1	38.5	104
108	50.0	48.6	47.5	40.4	39.8	38.3	37.1	35.6	108
112	46.6	45.3	44.3	42.9	42.4	35.4	34.3	32.9	112
116	43.4	42.2	41.3	39.9	39.4	38.0	37.0	30.3	116
120	40.3	39.1	38.3	37.0	36.6	35.2	34.3	32.9	120
124	42.9	41.8	35.4	34.2	33.8	32.6	31.6	30.3	124
128	39.7	38.7	38.1	37.0	31.2	30.0	29.1	27.8	128
132	36.5	35.7	35.1	34.1	33.9	27.4	26.6	25.4	132
136			32.2	31.3	31.1	30.1	29.4	23.0	136
140				28.5	28.4	27.5	26.8	25.7	140
144						24.9	24.3	23.3	144
148								20.9	148

Boom combination in HJFJDB_SY3

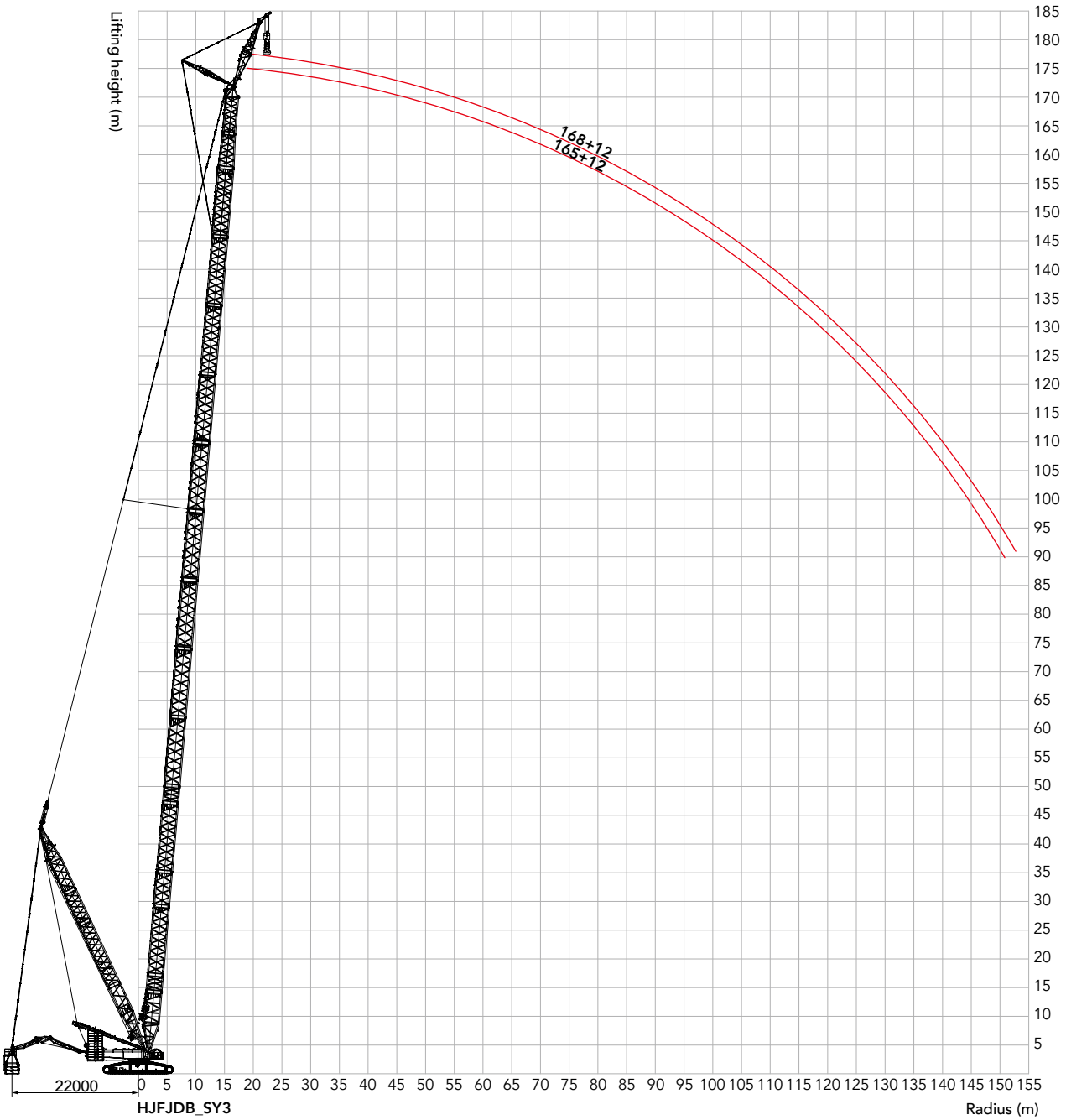
Boom combination in HJFJDB_SY3											
Boom length (m)	Power boom insert				Boom insert						
	12mA	12mB	12mC	12mD	3m	6m	12mB	12mC	12mD	12mE	
165	-	-	2	3	1	3	2	2	1	-	Fixed jib 12m
168	-	-	2	3	-	2	2	2	1	1	

Note: The 10.5m boom base section, 3m super boom lower transition section, 3m super boom upper transition section, 12m power boom upper transition section,12m boom transition section, 6m tapered section and 7.5m jib top are must.
The mid-point suspension cable must be used for the boom length of 165m-168m in this working condition, otherwise, the boom system may be broken.



HJFJDB_SY3 168+12

HJFJDB_SY3 working radius diagram



Unit: t

Load chart of HJFJDB_SY3 configuration

Note:
1. Meet the requirements of ISO4305.
2. The data with the asterisk mark (*) in the table means that the superlift counterweight in this configuration is not off the ground.
3. The rated load in the table includes the weight of the hook, wire rope and other lifting tools. To obtain the weight can be lifted, use the rated load in the table to minus the weights of hooks, wire ropes and other lifting tools.

HJFJDB_SY3 Configuration 1/3			
Boom length 165~168m, Jib length 12m, Boom to jib angle 10°, Superlift Radius 22m, Superlift counterweight 390t, Rear counterweight 230t, Carbody counterweight 80t			
Radius (m)	165	168	Radius (m)
20	121*	111*	20
22	120*	110*	22
24	119*	109*	24
26	118*	108*	26
28	118*	108*	28
30	117*	107*	30
32	116*	106*	32
34	115*	106*	34
36	115*	105*	36
38	114*	104*	38
40	114*	103*	40
44	112*	102*	44
48	105	101*	48
52	103	99.1*	52
56	95.1	94.3	56
60	87.6	86.8	60
64	81.0	80.2	64
68	75.0	74.3	68
72	69.6	69.0	72
76	64.7	64.2	76
80	60.3	59.7	80
84	62.3	61.8	84
88	58.3	57.8	88
92	54.6	54.1	92
96	51.0	50.7	96
100	47.7	47.4	100
104	44.6	44.4	104
108	47.4	41.4	108
112	44.4	44.2	112
116	41.5	41.4	116
120	38.8	38.7	120
124	36.1	36.1	124
128	33.5	33.6	128
132	35.0	35.2	132
136	32.2	32.5	136
140	29.6	29.9	140
144	27.1	27.4	144
148	24.8	25.0	148
152	22.6	22.8	152
156	20.4	20.7	156
160			160

Unit: t

Load chart of HJFJDB_SY3 configuration

HJFJDB_SY3 Configuration 2/3			
Boom length 165~168m, Jib length 12m, Boom to jib angle 15°, Superlift Radius 22m, Superlift counterweight 390t, Rear counterweight 230t, Carbody counterweight 80t			
Radius (m)	165	168	Radius (m)
22	119*	110*	22
24	119*	109*	24
26	118*	108*	26
28	117*	107*	28
30	116*	107*	30
32	116*	106*	32
34	115*	105*	34
36	115*	105*	36
38	114*	104*	38
40	113*	103*	40
44	112*	102*	44
48	105	101*	48
52	104	99.4*	52
56	95.4	94.5	56
60	87.8	87.0	60
64	81.2	80.4	64
68	75.2	74.5	68
72	69.9	69.2	72
76	65.0	64.4	76
80	60.5	60.0	80
84	62.6	55.9	84
88	58.5	58.1	88
92	54.8	54.4	92
96	51.3	50.9	96
100	48.0	47.7	100
104	44.8	44.6	104
108	41.9	41.7	108
112	44.6	44.4	112
116	41.7	41.6	116
120	39.0	38.9	120
124	36.3	36.3	124
128	33.8	33.8	128
132	35.3	35.5	132
136	32.5	32.7	136
140	29.8	30.1	140
144	27.3	27.6	144
148	25.0	25.2	148
152	22.7	22.9	152
156	20.6	20.8	156
160			160

Unit: t

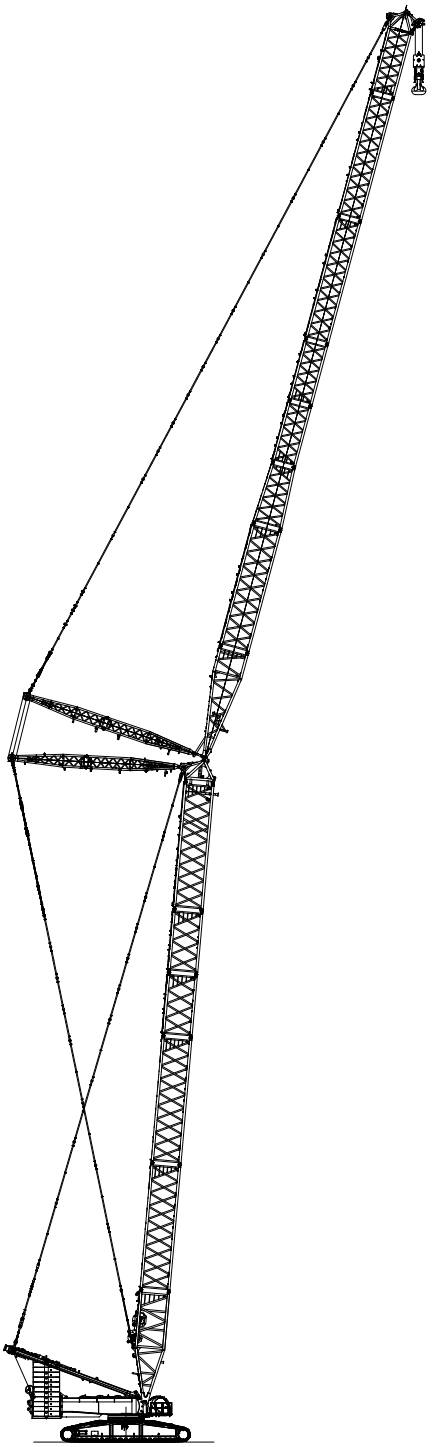
Load chart of HJFJDB_SY3 configuration

HJFJDB_SY3 Configuration 3/3			
Boom length 165~168m, Jib length 12m, Boom to jib angle 20°, Superlift Radius 22m, Superlift counterweight 390t, Rear counterweight 230t, Carbody counterweight 80t			
Radius (m)	165	168	Radius (m)
22	118*	109*	22
24	117*	108*	24
26	115*	107*	26
28	113*	107*	28
30	111*	106*	30
32	109*	106*	32
34	107*	105*	34
36	105*	104*	36
38	103*	103*	38
40	101*	101*	40
44	98.0*	98.0*	44
48	94.6*	94.7*	48
52	91.8*	91.9*	52
56	89.1*	89.2*	56
60	86.4*	86.6*	60
64	81.4	80.6	64
68	75.5	74.8	68
72	70.1	69.4	72
76	65.2	64.6	76
80	60.7	60.2	80
84	62.8	56.1	84
88	58.8	58.3	88
92	55.0	54.6	92
96	51.5	51.1	96
100	48.2	47.9	100
104	45.1	44.8	104
108	42.1	41.9	108
112	44.8	44.6	112
116	41.9	41.8	116
120	39.2	39.1	120
124	36.5	36.5	124
128	33.9	34.0	128
132	35.5	35.7	132
136	32.7	32.9	136
140	30.0	30.2	140
144	27.5	27.7	144
148	25.1	25.3	148
152	22.8	23.1	152
156	20.7	20.9	156
160		18.9	160

Boom combination in LJ

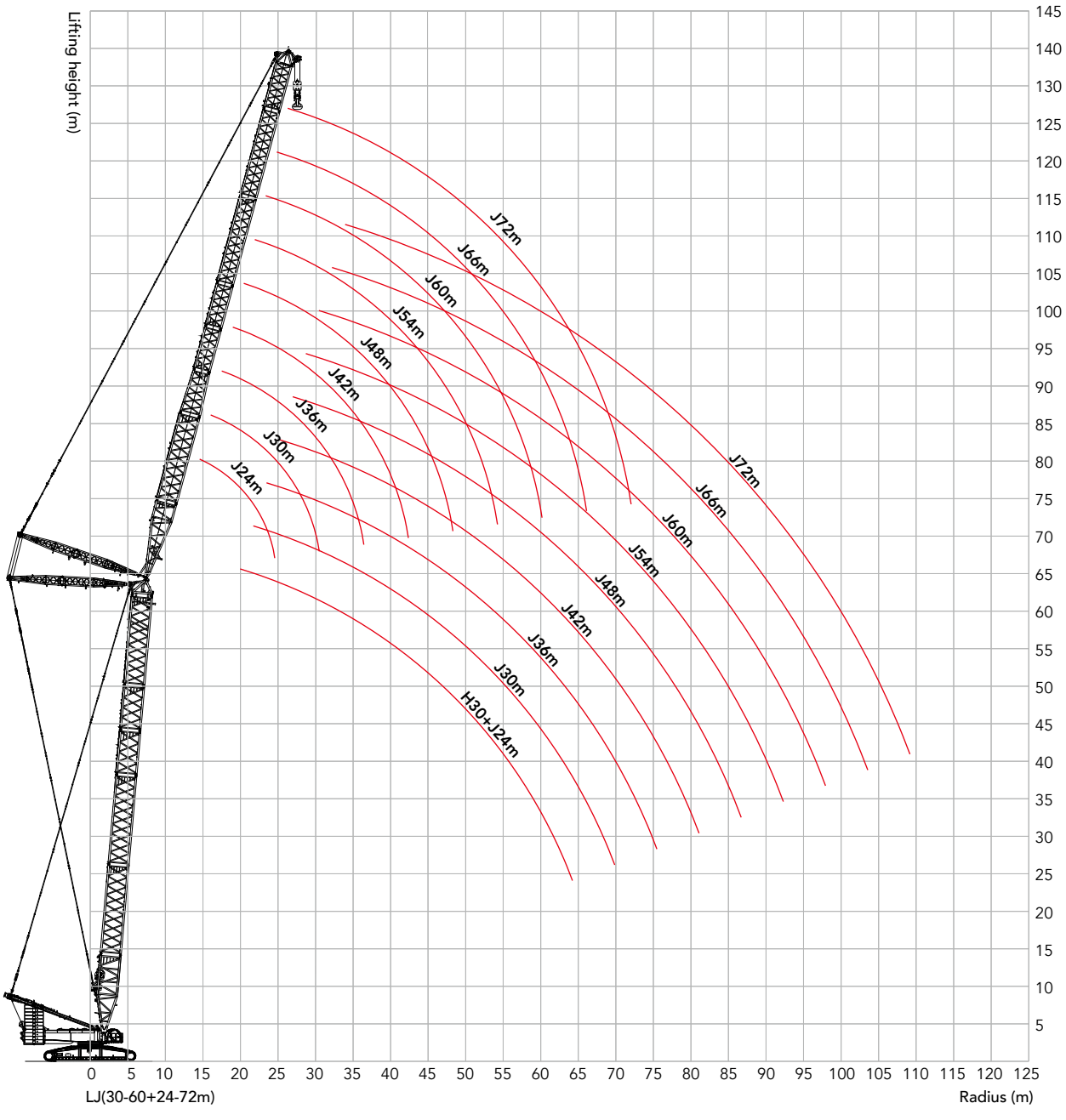
Boom combination in LJ			
Boom length(m)	Boom insert	Jib insert	
	12m	6m	12m
24	-	-	-
30	-	1	-
36	1	-	-
42	1	1	-
48	1	2	-
54	1	1	1
60	1	2	1
66	1	1	2
72	1	2	2
78	1	1	3
84	1	2	3
90*	1	1	4
96*	1	2	4

Note:
The boom is the same as H Configuration;
jib base, 6m tapered section and Jib top are must.
The mid-point suspension cable must be used for the boom length with the symbol "*" in this working condition, otherwise, the boom system may be broken.



LJ
(30-60+24-72m)

LJ working radius diagram



Unit: t

Load chart of LJ configuration

Note:
1. Meet the requirements of ISO4305.
2. The data with the asterisk mark (*) in the table means that the superlift counterweight in this configuration is not off the ground.
3. The rated load in the table includes the weight of the hook, wire rope and other lifting tools. To obtain the weight can be lifted, use the rated load in the table to minus the weights of hooks, wire ropes and other lifting tools.

LJ Configuration 1/6

Boom length 30m, Boom angle 85°, Jib length 24~96m, Rear counterweight 230t, Carbody counterweight 80t

Radius (m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius (m)
16	272													16
18	240	232												18
20	214	208	201											20
22	194	188	182	177										22
24	176	171	166	161	156									24
26	161	157	152	148	144	140								26
28	145	145	140	136	133	129	126							28
30		133	130	127	123	120	117	114						30
32		122	121	118	115	112	109	106	103					32
34			112	110	107	104	101	99.5	96.6	94.3				34
36			103	103	100	98.3	95.4	93.2	90.4	88.3	85.5			36
38			96.2	95.9	94.7	92.4	89.6	87.6	84.9	82.8	80.2	78.1		38
40				89.4	88.6	87.1	84.4	82.5	79.9	77.9	75.4	73.4	70.9	40
44				78.1	77.6	77.2	75.3	73.5	71.1	69.3	66.9	65.1	62.7	44
48					68.5	68.2	67.2	66	63.7	62	59.7	58	55.8	48
52						60.6	59.7	59.3	57.4	55.8	53.6	52	49.9	52
56						54	53.3	52.9	51.9	50.4	48.3	46.7	44.7	56
60							47.7	47.5	46.4	45.7	43.6	42.1	40.1	60
64								42.7	41.7	41.1	39.5	38.1	36.1	64
68								38.4	37.5	37	35.9	34.5	32.6	68
72									33.7	33.3	32.2	31.2	29.4	72
76										30	28.9	28.3	26.5	76
80										26.9	26	25.4	23.9	80
84											23.3	22.7	21.5	84
88												20.2	19.2	88
92													17	92
96													14.9	96

Unit: t

Load chart of LJ configuration

LJ Configuration 2/6														
Boom length 36m, Boom angle 85°, Jib length 24~96m, Rear counterweight 230t, Carbody counterweight 80t														
Radius (m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius (m)
16	262													16
18	232	224												18
20	207	201	195											20
22	188	182	176	171										22
24	171	166	161	156	152									24
26	157	153	148	144	140	136								26
28	145	141	137	133	129	126	122							28
30		131	127	123	120	117	113	111						30
32		122	118	115	111	109	106	103	100					32
34		112	111	107	104	102	99.1	96.8	93.9	91.6				34
36			103	101	98.2	95.8	92.9	90.7	87.9	85.8	83			36
38			96.1	95.3	92.4	90.1	87.3	85.3	82.6	80.5	77.9	75.8		38
40			89.3	89.1	87.1	84.9	82.2	80.3	77.7	75.7	73.2	71.2	68.7	40
44				78	77.4	75.9	73.4	71.6	69.2	67.4	65	63.2	60.8	44
48					68.3	67.9	65.9	64.3	62	60.3	58	56.3	54.1	48
52						60.4	59.5	58.1	55.8	54.2	52.1	50.4	48.3	52
56						53.9	53.1	52.6	50.5	49	46.9	45.3	43.3	56
60							47.6	47.3	45.8	44.4	42.3	40.9	38.8	60
64								42.5	41.5	40.3	38.3	36.9	34.9	64
68								38.2	37.3	36.7	34.8	33.4	31.4	68
72									33.6	33.1	31.6	30.2	28.3	72
76										29.8	28.7	27.3	25.5	76
80										26.8	25.8	24.8	22.9	80
84											23.1	22.4	20.6	84
88												20.1	18.5	88
92												17.8	16.5	92
96													14.7	96

Unit: t

Load chart of LJ configuration

LJ Configuration 3/6														
Boom length 42m, Boom angle 85°, Jib length 24~96m, Rear counterweight 230t, Carbody counterweight 80t														
Radius (m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius (m)
16	252													16
18	224	217												18
20	201	195	188											20
22	182	176	171	166										22
24	166	161	156	152	147									24
26	153	148	144	139	135	132								26
28	141	137	133	129	125	122	118							28
30		128	123	120	116	113	110	107						30
32		119	115	112	108	106	103	100	97.5					32
34		112	108	105	101	99.3	96.3	94	91.1					34
36			101	98.6	95.6	93.2	90.3	88.2	85.3	83.2				36
38			95.8	92.8	89.9	87.6	84.9	82.9	80.2	78.1	75.5			38
40			89.1	87.6	84.8	82.6	80	78	75.4	73.5	71	69		40
44				77.7	75.9	73.9	71.4	69.6	67.2	65.4	63	61.2	58.8	44
48					68	66.5	64.2	62.5	60.2	58.5	56.2	54.5	52.3	48
52					60.3	60.1	58	56.4	54.2	52.6	50.4	48.8	46.7	52
56						53.7	52.6	51.2	49	47.5	45.4	43.9	41.8	56
60							47.4	46.6	44.5	43	41	39.5	37.5	60
64								42.3	40.5	39.1	37.1	35.6	33.7	64
68								38	36.9	35.5	33.6	32.2	30.3	68
72									33.4	32.4	30.5	29.1	27.2	72
76										29.5	27.6	26.3	24.4	76
80										26.6	25.1	23.8	21.9	80
84											22.8	21.5	19.7	84
88												19.4	17.6	88
92												17.4	15.6	92
96													13.9	96

Unit: t

Load chart of LJ configuration

LJ Configuration 4/6														
Boom length 48m, Boom angle 85°, Jib length 24~96m, Rear counterweight 230t, Carbody counterweight 80t														
Radius (m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius (m)
18	216													18
20	194	188												20
22	176	171	165											22
24	161	156	151	147										24
26	148	144	139	135	131									26
28	137	133	129	125	121	118								28
30		124	120	116	113	110	107							30
32		116	112	108	105	103	99.8	97.5						32
34		109	105	102	98.9	96.4	93.4	91.2	88.2					34
36			98.8	95.8	92.8	90.5	87.6	85.5	82.7	80.6				36
38			93.1	90.2	87.4	85.1	82.4	80.4	77.7	75.7	73			38
40			88	85.2	82.4	80.3	77.6	75.7	73.1	71.2	68.6	66.7		40
44				76.4	73.8	71.8	69.3	67.6	65.1	63.3	60.9	59.1	56.8	44
48					66.6	64.7	62.3	60.7	58.3	56.7	54.4	52.7	50.4	48
52					60.1	58.6	56.3	54.8	52.5	50.9	48.8	47.1	45	52
56						53.3	51.1	49.6	47.5	46	43.9	42.3	40.2	56
60							46.5	45.1	43.1	41.6	39.5	38.1	36	60
64							42.2	41.2	39.1	37.7	35.7	34.3	32.3	64
68								37.7	35.7	34.3	32.3	30.9	29	68
72									32.5	31.2	29.3	27.9	26	72
76										28.4	26.5	25.2	23.3	76
80										25.9	24	22.7	20.9	80
84											21.8	20.5	18.7	84
88												18.4	16.6	88
92												16.5	14.7	92
96													13	96

Unit: t

Load chart of LJ configuration

LJ Configuration 5/6														
Boom length 54m, Boom angle 85°, Jib length 24~96m, Rear counterweight 230t, Carbody counterweight 80t														
Radius (m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius (m)
18	208													18
20	187	182												20
22	170	165	160											22
24	156	151	146	142										24
26	144	140	135	131	127									26
28	133	129	125	121	118	115								28
30	124	120	116	113	109	107	103							30
32		112	109	105	102	99.9	96.8	94.4						32
34		105	102	99.1	96	93.5	90.5	88.3	85.4					34
36			96.1	93.1	90.2	87.8	85	82.9	80.1	78				36
38			90.6	87.7	84.9	82.6	79.9	77.9	75.2	73.2	70.6			38
40			85.6	82.8	80.1	77.9	75.3	73.4	70.8	68.9	66.3	64.4		40
44				74.3	71.7	69.7	67.3	65.5	63.1	61.3	58.9	57.1	54.7	44
48					64.7	62.8	60.4	58.8	56.5	54.8	52.5	50.8	48.6	48
52					58.7	56.9	54.6	53.1	50.8	49.3	47.1	45.5	43.3	52
56						51.7	49.5	48.1	45.9	44.4	42.3	40.8	38.7	56
60							45.1	43.7	41.6	40.2	38.1	36.6	34.6	60
64							41.2	39.9	37.8	36.4	34.4	33	31	64
68								36.4	34.4	33.1	31.1	29.7	27.8	68
72									31.4	30.1	28.1	26.8	24.9	72
76									28.6	27.3	25.4	24.1	22.2	76
80										24.9	23	21.7	19.9	80
84											20.8	19.5	17.7	84
88											18.7	17.5	15.7	88
92												15.6	13.8	92
96													12.1	96

Unit: t

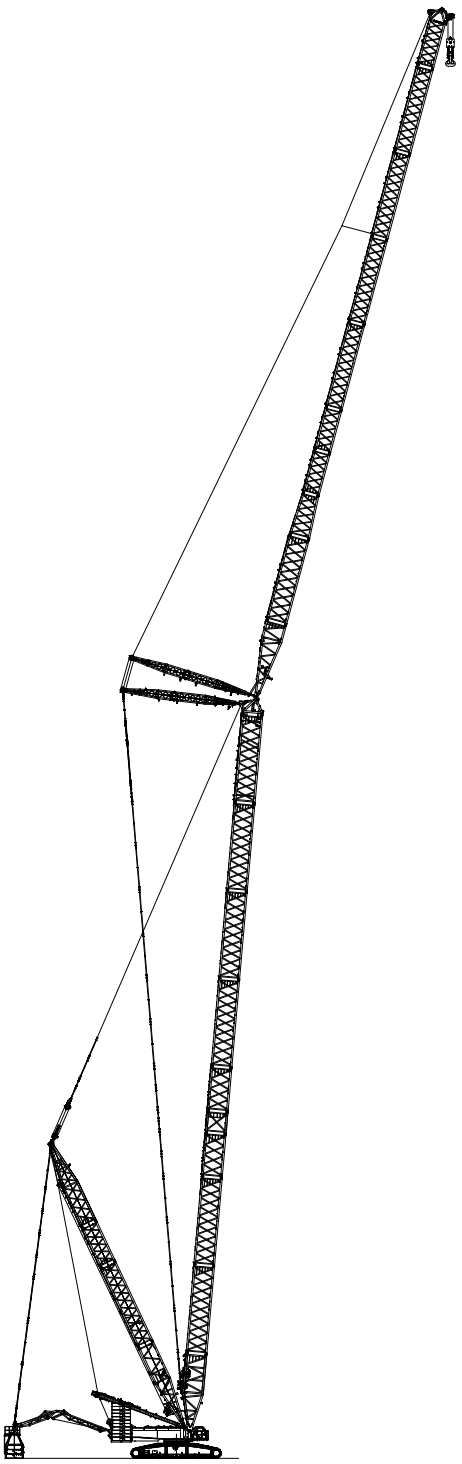
Load chart of LJ configuration

LJ Configuration 6/6										
Boom length 60m, Boom angle 85°, Jib length 24~72m, Rear counterweight 230t, Carbody counterweight 80t										
Radius(m)	24	30	36	42	48	54	60	66	72	Radius(m)
18	200									18
20	181	175								20
22	165	160	154							22
24	151	146	141	137						24
26	139	135	130	127	123					26
28	129	125	121	117	114	111				28
30	120	117	113	109	106	103	100			30
32		109	105	102	99.2	96.6	93.5	91.2		32
34		102	99	96	92.9	90.5	87.5	85.3	82.4	34
36		96.8	93.1	90.2	87.3	85	82.1	80.1	77.3	36
38			87.8	85	82.2	80	77.3	75.3	72.6	38
40			83	80.3	77.6	75.5	72.8	70.9	68.3	40
44				72	69.5	67.5	65	63.3	60.9	44
48				65.1	62.7	60.8	58.4	56.8	54.5	48
52					56.8	55	52.8	51.3	49	52
56						50.1	47.9	46.4	44.3	56
60							43.6	42.2	40.1	60
64							39.8	38.4	36.4	64
68								35.1	33.1	68
72									30.1	72
76									27.4	76

Boom combination in LJDB

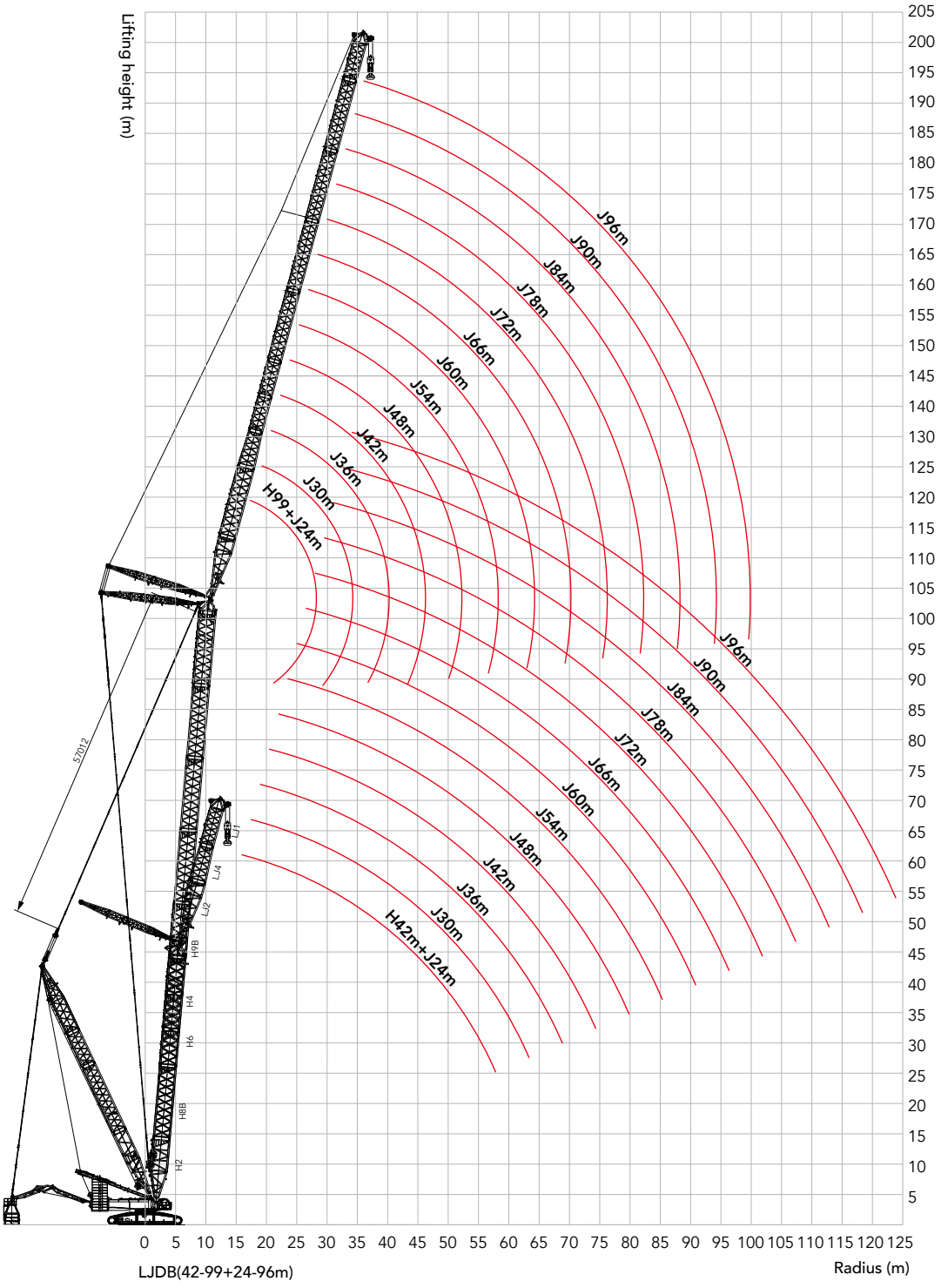
Boom combination in LJDB			
Boom length(m)	Boom insert	Jib insert	
	12m	6m	12m
24	-	-	-
30	-	1	-
36	1	-	-
42	1	1	-
48	1	2	-
54	1	1	1
60	1	2	1
66	1	1	2
72	1	2	2
78	1	1	3
84	1	2	3
90*	1	1	4
96*	1	2	4

Note:The boom is the same as HDB Configuration; jib base, 6m tapered section and Jib top 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+24-96m)

LJDB working radius diagram



LJDB(42-99+24-96m)

Unit: t

Load chart of LJDB configuration

Note:
1. Meet the requirements of ISO4305.
2. The data with the asterisk mark (*) in the table means that the superlift counterweight in this configuration is not off the ground.
3. The rated load in the table includes the weight of the hook, wire rope and other lifting tools. To obtain the weight can be lifted, use the rated load in the table to minus the weights of hooks, wire ropes and other lifting tools.

LJDB Configuration 1/11														
Boom length 42m Boom angle 85° Jib length 24~96m Superlift Radius 22m Superlift CWT 390t Rear CWT 230t Carbody CWT 80t														
Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius(m)
14	384*													14
16	362*	378*												16
18	331*	355*	369*											18
20	302*	329*	352*	339*	280*									20
22	281*	307*	328	328	279*	232*								22
24	263*	277	290	289	277*	231*	191*							24
26	241	249	259	258	258	229*	190*	157*						26
28	218	225	233	233	233	227*	188*	156*	130*					28
30		205	212	212	212	211	187*	155*	129*	107*				30
32		189	194	194	194	193	185*	153*	127*	106*	88.4*			32
34		174	178	178	178	178	177	152*	126*	104*	87.1*	81.4*	68.9*	34
36			164	165	165	164	163	150*	124*	103*	85.9*	80.7*	68.2*	36
38			152	153	153	152	152	148*	123*	102*	84.6*	80.0*	67.6*	38
40			141	142	142	142	141	141	122*	100*	83.4*	79.3*	66.9*	40
44				124	125	124	124	124	118*	97.4*	80.9*	77.8*	65.6*	44
48					110	110	110	110	109	94.7*	78.4*	76.4*	64.2*	48
52					97.6	98.4	98.1	98.1	97.3	89.6*	76.2*	74.9*	62.9*	52
56						87.9	88.0	88.1	87.4	82.3*	71.9*	73.5*	61.5*	56
60							79.2	79.5	78.8	75.2*	65.1*	72.1*	60.2*	60
64								71.9	71.4	68.6*	59.3*	69.7	59.0*	64
68								65.1	64.8	62.3*	53.2*	63.3	57.8*	68
72									58.9	56.4*	48.1*	57.6	56.6*	72
76										51.6*	43.4*	52.5	51.5	76
80										47.9*	39.0*	48.0	47.0	80
84											35.4*	43.9	42.9	84
88												40.0	39.2	88
92												36.4	35.8	92
96													32.5	96

Unit: t

Load chart of LJDB configuration

LJDB Configuration 2/11														
Boom length 48m Boom angle 85° Jib length 24~96m Superlift Radius 22m Superlift CWT 390t Rear CWT 230t Carbody CWT 80t														
Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius(m)
16	367*	368*												16
18	336*	360*	359*											18
20	308*	333*	352*	307*										20
22	284*	311*	332*	305*	256*									22
24	266*	286	301	303*	254*	214*	178*							24
26	248	256	269	270	252*	213*	178*	148*						26
28	224	231	243	244	245	211*	176*	147*	123*					28
30		210	221	222	223	209*	175*	146*	122*	102*				30
32		193	203	204	204	207*	174*	145*	121*	101*	84.8*			32
34		178	187	188	188	192	172*	144*	120*	99.9*	83.7*	77.6*		34
36			173	174	174	178	171*	142*	119*	98.8*	82.7*	77.1*	65.3*	36
38			162	162	162	166	165	141*	118*	97.6*	81.6*	76.5*	64.7*	38
40			151	152	152	155	154	140*	117*	96.4*	80.5*	75.9*	64.2*	40
44				134	134	136	135	135	114*	94.0*	78.3*	74.7*	63.0*	44
48					119	120	120	119	111*	91.6*	76.3*	73.6*	61.8*	48
52					107	107	107	107	103*	89.3*	74.1*	72.3*	60.6*	52
56						96.4	96.3	96.4	95.0*	82.7*	71.6*	71.1*	59.4*	56
60							86.9	87.1	86.4	75.9*	65.8*	69.8*	58.3*	60
64							78.4	79.0	78.4	69.0*	59.4*	68.6*	57.1*	64
68								71.8	71.4	62.8*	53.8*	67.4*	56.0*	68
72									65.0	57.5*	48.5*	63.6	54.9*	72
76										52.0*	43.8*	58.2	54.0*	76
80										48.3*	39.5*	53.3	52.3	80
84											36.0*	48.9	48.0	84
88												44.9	44.0	88
92												41.1	40.3	92
96													36.9	96

Unit: t

Load chart of LJDB configuration

LJDB Configuration 3/11														
Boom length 54m Boom angle 85° Jib length 24~96m Superlift Radius 22m Superlift CWT 390t Rear CWT 230t Carbody CWT 80t														
Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius(m)
16	372*	362*												16
18	340*	362*	330*											18
20	313*	336*	327*	278*										20
22	289*	315*	323*	276*	234*									22
24	270*	295*	310	273*	232*	197*								24
26	253*	263	276	270*	231*	196*	165*							26
28	229	237	249	250	228*	195*	164*	138*	117*					28
30	208	215	226	227	226*	193*	163*	138*	116*	97.1*				30
32		197	207	208	209	192*	162*	137*	115*	96.3*	81.0*			32
34		182	191	192	192	189*	161*	136*	114*	95.4*	80.2*	74.0*		34
36			177	177	178	182	159*	134*	113*	94.4*	79.3*	73.6*	62.2*	36
38			164	165	165	169	158*	133*	112*	93.4*	78.3*	73.1*	61.7*	38
40			154	154	154	158	156*	132*	111*	92.4*	77.6*	72.6*	61.3*	40
44				136	136	139	138	129*	109*	90.3*	75.7*	71.6*	60.3*	44
48					121	123	122	122	106*	88.2*	73.7*	70.5*	59.3*	48
52					109	109	109	109	103*	86.1*	71.8*	69.4*	58.2*	52
56						98.2	98.1	98.1	94.8*	83.5*	69.8*	68.2*	57.1*	56
60							88.4	88.7	87.7*	76.5*	66.1*	67.1*	56.1*	60
64							79.8	80.4	79.8	69.8*	60.0*	65.9*	55.2*	64
68								73.0	72.6	63.2*	54.2*	64.8*	54.2*	68
72									66.2	57.5*	49.3*	63.7*	53.2*	72
76									60.2	52.9*	44.1*	59.2	52.2*	76
80										48.5*	39.9*	54.2	51.3*	80
84											36.4*	49.8	48.8	84
88											28.2*	45.6	44.8	88
92												41.8	41.0	92
96													37.6	96

Unit: t

Load chart of LJDB configuration

LJDB Configuration 4/11														
Boom length 60m Boom angle 85° Jib length 24~96m Superlift Radius 22m Superlift CWT 390t Rear CWT 230t Carbody CWT 80t														
Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius(m)
16	367*													16
18	346*	338*	292*											18
20	317*	333*	292*	251*										20
22	293*	317*	288*	249*	213*									22
24	273*	297*	283*	246*	212*	181*								24
26	257*	271	277*	243*	210*	180*	153*							26
28	235	243	256	239*	208*	179*	152*	130*						28
30	214	221	232	233	205*	178*	151*	129*	109*					30
32		202	212	213	202*	176*	150*	128*	109*	91.3*				32
34		185	195	196	196	174*	149*	127*	108*	90.5*	76.6*	70.0*		34
36		172	180	181	181	171*	148*	126*	107*	89.8*	75.8*	69.7*	59.1*	36
38			168	168	169	169*	146*	125*	106*	88.9*	75.0*	69.3*	58.7*	38
40			156	157	157	160	145*	124*	105*	88.0*	74.2*	68.9*	58.3*	40
44				138	138	141	140	121*	103*	86.2*	72.5*	68.0*	57.5*	44
48				123	123	125	124	119*	101*	84.3*	70.8*	67.1*	56.6*	48
52					110	111	111	111	98.4*	82.4*	69.1*	66.1*	55.7*	52
56						99.9	99.8	99.8	94.6*	80.6*	67.3*	65.0*	54.8*	56
60							89.9	90.1	87.2*	76.6*	65.6*	64.0*	53.8*	60
64							81.1	81.7	81.0	70.1*	60.8*	62.9*	52.8*	64
68								74.2	73.7	64.0*	55.1*	61.9*	51.9*	68
72									67.2	58.5*	49.7*	60.8*	51.0*	72
76									61.2	53.2*	44.7*	59.8*	50.1*	76
80										48.9*	40.5*	55.1	49.2*	80
84											36.6*	50.5	48.4*	84
88											33.4*	46.3	45.5	88
92												42.4	41.7	92
96													38.2	96
100													34.6*	100

Unit: t

Load chart of LJDB configuration

LJDB Configuration 5/11														
Boom length 66m	Boom angle 85°	Jib length 24~96m	Superlift Radius 22m	Superlift CWT 390t	Rear CWT 230t	Carbody CWT 80t								
Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius(m)
16	346*													16
18	338*	292*												18
20	320*	287*	253*											20
22	297*	281*	250*	217*										22
24	277*	274*	245*	215*	186*	161*								24
26	259*	267*	240*	212*	185*	161*	138*							26
28	242	250	234*	208*	183*	159*	137*	118*						28
30	219	226	228*	204*	180*	158*	136*	117*	99.8*					30
32		206	217	200*	177*	156*	135*	116*	99.3*	84.4*				32
34		189	199	195*	174*	154*	134*	116*	98.6*	83.8*	71.0*			34
36		175	184	185	171*	152*	133*	115*	97.9*	83.2*	70.4*	64.2*		36
38			171	171	168*	150*	131*	114*	97.1*	82.5*	69.8*	63.9*	54.2*	38
40			159	160	160	148*	130*	112*	96.2*	81.8*	69.2*	63.6*	53.9*	40
44				140	140	143*	126*	110*	94.4*	80.2*	67.8*	62.8*	53.3*	44
48				125	125	127	122*	107*	92.4*	78.6*	66.3*	62.0*	52.5*	48
52					112	113	113	105*	90.5*	76.9*	64.8*	61.3*	51.7*	52
56						101	101	101	88.4*	75.1*	63.2*	60.3*	50.9*	56
60						90.9	91.3	91.5	86.3*	73.4*	61.7*	59.4*	50.0*	60
64							82.4	82.9	81.0*	70.5*	60.3*	58.4*	49.2*	64
68								75.3	74.8	64.3*	55.3*	57.4*	48.3*	68
72									67.6*	59.0*	50.2*	56.4*	47.4*	72
76									60.2*	54.0*	45.3*	55.4*	46.7*	76
80										49.2*	40.7*	53.0*	45.9*	80
84											36.9*	47.4*	45.1*	84
88											33.9*	42.6*	41.6*	88
92												38.4*	37.6*	92
96													33.8*	96
100													30.2*	100

Unit: t

Load chart of LJDB configuration

LJDB Configuration 6/11														
Boom length 72m Boom angle 85° Jib length 24~96m Superlift Radius 22m Superlift CWT 390t Rear CWT 230t Carbody CWT 80t														
Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius(m)
18	299*	260*												18
20	291*	256*	226*											20
22	282*	250*	223*	196*										22
24	273*	244*	219*	193*	169*									24
26	261*	237*	214*	190*	167*	146*								26
28	248*	230*	208*	187*	165*	145*	126*	109*						28
30	225	223*	203*	183*	163*	144*	125*	108*	93.0*					30
32		211	198*	179*	160*	142*	124*	108*	92.5*	79.0*				32
34		194	192*	175*	157*	140*	123*	107*	91.9*	78.5*	66.7*			34
36		179	187*	171*	154*	138*	121*	106*	91.2*	77.9*	66.2*	60.1*		36
38			174	167*	151*	136*	120*	105*	90.5*	77.3*	65.7*	59.9*	50.7*	38
40			162	163*	148*	133*	118*	104*	89.7*	76.7*	65.1*	59.6*	50.5*	40
44				143	142*	129*	115*	101*	87.9*	75.2*	64.0*	59.0*	50.0*	44
48				127	127	124*	111*	98.8*	86.0*	73.7*	62.7*	58.2*	49.4*	48
52					113	115	107*	96.1*	83.9*	72.1*	61.3*	57.3*	48.6*	52
56						103	103*	93.3*	81.8*	70.4*	59.9*	56.4*	47.9*	56
60						90.0*	91.0*	90.0*	79.6*	68.7*	58.4*	55.4*	47.0*	60
64							79.4*	79.6*	77.5*	67.0*	57.0*	54.4*	46.2*	64
68								70.6*	70.0*	64.5*	55.6*	53.4*	45.3*	68
72								62.0*	61.8*	59.4*	50.4*	52.4*	44.5*	72
76									54.6*	53.9*	45.7*	51.4*	43.6*	76
80										48.6*	41.2*	48.0*	42.8*	80
84											37.6*	42.8*	41.8*	84
88											34.2*	38.2*	37.4*	88
92												34.4*	33.6*	92
96													30.0*	96
100													26.6*	100

Unit: t

Load chart of LJDB configuration

LJDB Configuration 7/11														
Boom length 78m Boom angle 85° Jib length 24~96m Superlift Radius 22m Superlift CWT 390t Rear CWT 230t Carbody CWT 80t														
Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius(m)
18	257*	221*												18
20	250*	221*	196*											20
22	242*	216*	193*	170*										22
24	234*	211*	189*	168*	148*									24
26	226*	205*	185*	165*	146*	129*								26
28	219*	199*	181*	162*	144*	128*	112*							28
30	212*	193*	176*	159*	142*	126*	111*	96.8*						30
32	206*	187*	171*	155*	140*	125*	110*	96.1*	83.1*	71.6*				32
34		182*	166*	152*	137*	123*	109*	95.3*	82.5*	71.2*	60.8*			34
36		177*	162*	148*	134*	121*	107*	94.4*	81.9*	70.7*	60.4*	54.4*		36
38		169	157*	144*	131*	119*	106*	93.4*	81.2*	70.2*	59.9*	54.2*	46.0*	38
40			153*	141*	128*	116*	104*	92.3*	80.4*	69.6*	59.4*	53.9*	45.7*	40
44				134*	123*	112*	101*	89.9*	78.6*	68.2*	58.3*	53.3*	45.2*	44
48				128*	117*	108*	97.3*	87.3*	76.7*	66.8*	57.1*	52.6*	44.6*	48
52					110*	103*	93.9*	84.7*	74.7*	65.2*	55.9*	51.7*	43.9*	52
56						95.6*	90.4*	82.0*	72.8*	63.6*	54.5*	50.8*	43.2*	56
60						83.6*	83.0*	79.3*	70.7*	62.0*	53.2*	49.8*	42.5*	60
64							73.0*	73.0*	68.6*	60.3*	51.9*	48.8*	41.6*	64
68								64.6*	64.0*	58.7*	50.6*	47.7*	40.8*	68
72								56.8*	56.6*	56.2*	49.2*	46.7*	39.9*	72
76									50.2*	49.8*	46.2*	45.6*	39.0*	76
80										44.4*	41.9*	42.8*	38.1*	80
84										39.4*	37.9*	38.6*	37.2*	84
88											34.1*	34.4*	33.0*	88
92												30.4*	29.6*	92
96													26.4*	96
100													23.2*	100

Unit: t

Load chart of LJDB configuration

LJDB Configuration 8/11														
Boom length 84m Boom angle 85° Jib length 24~96m Superlift Radius 22m Superlift CWT 390t Rear CWT 230t Carbody CWT 80t														
Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius(m)
18	228*													18
20	222*	197*												20
22	216*	193*	173*	153*										22
24	209*	188*	169*	151*	133*									24
26	202*	183*	165*	148*	132*	117*								26
28	195*	177*	161*	145*	130*	116*	101*							28
30	189*	172*	157*	142*	128*	114*	101*	88.3*						30
32	183*	167*	152*	139*	125*	113*	99.4*	87.6*	76.2*					32
34		162*	148*	135*	123*	111*	98.2*	86.8*	75.7*	65.5*				34
36		157*	144*	132*	120*	109*	96.8*	85.9*	75.1*	65.1*	55.8*	49.9*		36
38		154*	140*	129*	118*	107*	95.4*	84.8*	74.3*	64.5*	55.4*	49.7*	42.2*	38
40			136*	125*	115*	105*	93.8*	83.7*	73.5*	64.0*	55.0*	49.5*	42.0*	40
44			130*	119*	110*	100*	90.6*	81.3*	71.8*	62.6*	53.9*	48.8*	41.5*	44
48				114*	105*	96.1*	87.2*	79.0*	69.9*	61.2*	52.8*	48.1*	40.9*	48
52					99.9*	92.0*	83.8*	76.3*	67.8*	59.6*	51.5*	47.2*	40.2*	52
56						88.2*	80.6*	73.7*	65.7*	58.0*	50.2*	46.2*	39.5*	56
60						78.0*	77.2*	71.1*	63.6*	56.5*	48.9*	45.3*	38.6*	60
64							67.8*	67.4*	61.5*	54.8*	47.5*	44.2*	37.8*	64
68								60.0*	58.6*	53.2*	46.1*	43.1*	37.0*	68
72								52.6*	52.4*	51.4*	44.8*	42.0*	36.1*	72
76									45.8*	46.0*	43.6*	40.8*	35.1*	76
80										40.4*	39.4*	39.0*	34.2*	80
84										36.0*	35.2*	34.6*	33.3*	84
88											31.2*	30.8*	29.8*	88
92												27.2*	26.2*	92
96												24.2*	23.2*	96
100													20.4*	100

Unit: t

Load chart of LJDB configuration

LJDB Configuration 9/11														
Boom length 90m Boom angle 85° Jib length 24~96m Superlift Radius 22m Superlift CWT 390t Rear CWT 230t Carbody CWT 80t														
Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius(m)
18	193*													18
20	189*	168*												20
22	183*	164*	147*											22
24	178*	160*	144*	129*										24
26	172*	156*	141*	126*	113*	99.8*								26
28	166*	151*	137*	124*	111*	98.8*	87.2*							28
30	161*	147*	134*	121*	109*	97.5*	86.3*	76.2*						30
32	157*	142*	130*	118*	107*	96.0*	85.3*	75.6*	65.9*					32
34		138*	126*	115*	105*	94.3*	84.2*	74.8*	65.4*	56.9*				34
36		134*	123*	112*	102*	92.6*	82.9*	73.9*	64.8*	56.5*	48.6*			36
38		131*	119*	110*	99.8*	90.8*	81.5*	72.9*	64.1*	56.0*	48.2*	42.8*		38
40			116*	107*	97.5*	89.1*	80.1*	71.9*	63.3*	55.5*	47.8*	42.6*	36.1*	40
44			110*	101*	92.9*	85.3*	77.1*	69.6*	61.6*	54.2*	46.8*	41.9*	35.6*	44
48				96.7*	88.5*	81.6*	74.1*	67.2*	59.8*	52.8*	45.7*	41.1*	35.0*	48
52					84.6*	78.1*	71.1*	64.7*	57.8*	51.3*	44.5*	40.3*	34.3*	52
56					81.6*	74.8*	68.2*	62.3*	55.9*	49.7*	43.2*	39.3*	33.6*	56
60						71.8*	65.4*	60.1*	53.9*	48.1*	41.9*	38.3*	32.7*	60
64							62.6*	57.8*	51.9*	46.6*	40.6*	37.2*	31.8*	64
68							55.4*	54.8*	50.0*	45.0*	39.3*	36.1*	30.9*	68
72								48.2*	47.6*	43.5*	38.1*	34.9*	30.0*	72
76									42.0*	41.4*	36.8*	33.9*	29.1*	76
80										36.4*	35.4*	32.8*	28.1*	80
84										32.4*	31.2*	30.4*	27.2*	84
88											27.8*	27.2*	25.8*	88
92												24.0*	22.8*	92
96												21.2*	20.0*	96
100													17.4*	100

Unit: t

Load chart of LJDB configuration

LJDB Configuration LJDB 10/11														
Boom length 96m Boom angle 85° Jib length 24~96m Superlift Radius 22m Superlift CWT 390t Rear CWT 230t Carbody CWT 80t														
Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius(m)
20	168*	150*												20
22	164*	147*	131*											22
24	159*	143*	129*	115*										24
26	154*	139*	126*	113*	101*									26
28	149*	135*	123*	111*	99.3*	88.8*								28
30	144*	131*	119*	108*	97.5*	87.5*	77.4*	68.7*						30
32	140*	127*	116*	106*	95.5*	86.1*	76.4*	68.1*	59.3*					32
34		123*	113*	103*	93.5*	84.6*	75.3*	67.3*	58.8*	51.4*				34
36		120*	109*	100*	91.3*	82.9*	74.1*	66.4*	58.2*	51.0*	43.7*			36
38		117*	106*	97.5*	89.1*	81.2*	72.8*	65.5*	57.5*	50.5*	43.4*	38.4*		38
40			103*	94.9*	87.0*	79.4*	71.6*	64.4*	56.7*	50.0*	43.0*	38.1*	32.1*	40
44			98.4*	90.0*	82.7*	75.9*	68.8*	62.2*	55.0*	48.7*	42.1*	37.4*	31.6*	44
48				85.9*	78.7*	72.4*	65.9*	59.9*	53.3*	47.3*	41.0*	36.6*	31.0*	48
52					75.1*	69.1*	63.0*	57.5*	51.4*	45.8*	39.8*	35.7*	30.3*	52
56					72.0*	66.0*	60.3*	55.2*	49.5*	44.2*	38.5*	34.7*	29.5*	56
60						63.3*	57.7*	52.9*	47.6*	42.6*	37.2*	33.6*	28.7*	60
64							55.3*	50.8*	45.7*	41.1*	35.9*	32.5*	27.7*	64
68							51.4*	48.9*	43.9*	39.6*	34.6*	31.4*	26.8*	68
72								44.8*	42.2*	38.1*	33.3*	30.3*	25.9*	72
76									38.8*	36.6*	32.1*	29.1*	24.9*	76
80									34.6*	33.6*	30.9*	28.0*	23.9*	80
84										29.8*	28.6*	26.9*	23.0*	84
88											25.2*	24.4*	22.1*	88
92												21.2*	20.2*	92
96												18.8*	17.6*	96
100													15.2*	100

Unit: t

Load chart of LJDB configuration

LJDB Configuration 11/11														
Boom length 99m Boom angle 85° Jib length 24~96m Superlift Radius 22m Superlift CWT 390t Rear CWT 230t Carbody CWT 80t														
Radius(m)	24	30	36	42	48	54	60	66	72	78	84	90	96	Radius(m)
20	159*	139*												20
22	154*	139*	124*											22
24	150*	135*	121*	109*										24
26	145*	132*	119*	107*	95.3*									26
28	140*	128*	116*	105*	93.8*	83.9*								28
30	136*	124*	112*	102*	92.0*	82.6*	73.3*							30
32	132*	120*	109*	99.7*	90.1*	81.3*	72.3*	64.3*	56.2*					32
34	129*	116*	106*	97.2*	88.1*	79.7*	71.3*	63.6*	55.7*	48.6*				34
36		113*	103*	94.6*	86.0*	78.1*	70.0*	62.7*	55.1*	48.2*	41.4*			36
38		110*	100*	92.0*	84.0*	76.5*	68.8*	61.7*	54.4*	47.7*	41.0*	36.2*		38
40			97.3*	89.6*	81.9*	74.8*	67.4*	60.7*	53.6*	47.1*	40.6*	35.9*	30.2*	40
44			92.5*	84.9*	77.8*	71.3*	64.7*	58.5*	51.9*	45.9*	39.6*	35.2*	29.7*	44
48				80.7*	73.9*	68.1*	61.8*	56.3*	50.1*	44.5*	38.5*	34.3*	29.0*	48
52					70.4*	64.9*	59.1*	53.9*	48.2*	43.1*	37.3*	33.4*	28.3*	52
56					67.4*	62.0*	56.4*	51.8*	46.3*	41.5*	36.1*	32.4*	27.5*	56
60						59.3*	53.9*	49.6*	44.4*	39.9*	34.8*	31.3*	26.6*	60
64							51.6*	47.5*	42.6*	38.4*	33.5*	30.2*	25.7*	64
68							49.6*	45.5*	40.9*	36.8*	32.2*	29.0*	24.7*	68
72								43.2*	39.2*	35.3*	30.9*	27.9*	23.8*	72
76									37.0*	34.0*	29.7*	26.8*	22.8*	76
80									33.0*	32.2*	28.5*	25.7*	21.8*	80
84										28.2*	27.0*	24.6*	20.9*	84
88											23.8*	23.0*	19.9*	88
92												20.4*	18.8*	92
96												17.6*	16.4*	96
100													14.2*	100

Zhejiang Sany Equipment Co.,LTD

SANY Crawler Crane Industrial Park, No. 2188 Daishan Road, Wuxing District, Huzhou City,
Zhejiang Province, P. R. China Zip 313028
Consulting sanycrane@sanygroup.com (Crane BU) / crd@sany.com.cn (IHQ)
After-sales Service 0086-400 6098 318

SANY CRANE

www.sanyglobal.com