



SCC38000TM

SANY Crawler Crane
2200 Tons Lifting Capacity

Quality Changes the World



Max. lifting moment: 38000t·m

Max. length of boom: 168m

Max. length of boom + jib: 108m+108m

Preliminary data, after experimental verification, there will be a small change.

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

SCC38000TM

| | | |
|-----|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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QUALITY CHANGES THE WORLD

Main Characteristics

- Page 04 Product Specification
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Product specification



Module design

- Module design of transport unit can ensure the good combination of the mechanical system, electronic system and hydraulic system, realizing quick connection between modules.

High-strengthened steel plates

- The high-strengthened steel plates is adopted for main structure welded and the pendant bars, so the transport weight of single piece is well controlled and cross-section of pendant bar reduced.

Power unit in standard container

- All power system, control system, hydraulic system and cab are laid compactly, in a standard container, so the maintenance and transport are convenient and easier.

The generator unit

- The generator unit of 220V can provide power for the air conditioner in the cab and the whole illumination system.

Safe control system

- The work model and assembly model are easy and reliable. The in-time bearing pressure display, level indicator, function lock, emergency electrical control, lightening protection, autotravel-aligning, closed-circuit monitor and other safe and control systems are all fitted to ensure safety.

New materials

- The aluminum alloy is used for walk pedals on the booms and rotating bed, so the boom weight is reduced and larger loading capacity possible.

New technology

- The traditional lifting cylinder for superlift counterweight is replaced by accurate calculation. The utilization rate of superlift counterweight is also achievable before leaving the ground.

Large lifting capacity

- The max. lifting capacity is 2200t, max. lifting moment 38000t·m, longest boom 168m, max. luffing jib combination 108m+108m.

Convenient maintenance

- The time for access to the part to be adjusted is no longer than 10 min/person. That for the part needing daily maintenance is no longer than 30 min/person. That for the part needing service is no longer than 2 hours/person. And the remote monitoring system helps to make the maintenance and management easier.

Travel with 100% load

- Four-wheel drive with powerful traction force brings steady travel, showing the very advantages of the crawler crane.

Wireless control device

- The wireless remote control is achievable for assembly of carbody transverse beam, crawlers and rotating bed.



Product specification

Engine

- Two six-cylinder, water-cooling, turbo charged Weichai WP13 engines are arranged in parallel.
- Rated power: 390kW.
- Rated engine speed: 2100rpm.
- Max. output torque: 2300N.m/(1200-1600)rpm.
- A diesel of 2000L tank is offered.

Electric system

- Crawler cranes of SCC series adopt integrated control system of distributed bus communication.
- The advantages: ① CAN transmission is the most suitable bus for engineering machinery. ② The distributed arrangement + integrated control simplify the whole circuit and enhance reliability. ③ A number of CAN smart nodes make the whole system more advanced.

Hydraulic system

- Hydraulic system includes load hoist hydraulic system, traveling hydraulic system, swing hydraulic system, boom/jib luffing hydraulic system, servo hydraulic system, back-stop hydraulic system, cooling system, auxiliary hydraulic system. The main hydraulic components are of star brand.
- Characteristics: The main system adopt closed circuit, featured by energy saving, high efficiency, quick response, low heat radiation and long service life. The electrical proportional control.
- Components is widely adopted to facilitate the accurate and intelligent control. The hydraulic system is also fitted with pressure warning and filter clogging warning, improving the reliability. The electric system can automatically respond in time to circuit explosion. And additionally, the explosion relief valves are fitted in the hydraulic pipe to eliminate the damage, enhancing the safety.

Swing system

- Swing part: Driven by four motor gearbox.
- Swing speed: 0~0.82r/min.
- Features: Steady swing, free slipping function and 360° rotation.
- Swing bearing mechanism: High performance six-row roller bearing.

Main load hoist mechanism

- Adopt well-known brand components to control the main and aux. load hoist, to lift and lower the load. The rope speed of hoisting winch can be steplessly adjusted from 0~121m/min, with good inching performance. The quick promote of power can be realized at high speed. The wire rope is from famous brand. The multilayer winding of rope-folding drum ensures no rope disorder. The enclosed gear box is featured by low noise, high efficiency, and long service life.

| | | |
|-------------------------|---------------------------------|------------|
| Main load hoist winches | Drum diameter | 870mm |
| | Rope speed of the outmost layer | 0~121m/min |
| | Diameter of wire rope | 40mm |
| | Rope length | 1800m |
| | Rated single line pull | 36.7t |

Boom luffing winch mechanism

- Components: Boom luffing mechanism, jib luffing mechanism, superlift luffing mechanism.
- The fold-line drums of winches, concealed reducer and closed circuit are adopted. The power supply is switched by directional control valve, realizing a number of compound actions and stepless speed adjustment, with good inching performance. Hydraulic control normally closed pawl locking device is equipped.

| | | |
|-------------------------|---------------------------------|-------------|
| Boom hoisting mechanism | Drum diameter | 830mm |
| | Rope speed of the outmost layer | 0~58.3m/min |
| | Diameter of wire rope | 40mm |
| | Rope length | 475m×2 |
| | Rated single line pull | 36.7t |

| | | |
|-----------------------|---------------------------------|-------------|
| Jib luffing mechanism | Drum diameter | 870mm |
| | Rope speed of the outmost layer | 0~85.2m/min |
| | Diameter of wire rope | 40mm |
| | Rope length | 1300m |
| | Rated single line pull | 36.7t |

| | | |
|-----------------------------|---------------------------------|-------------|
| Superlift luffing mechanism | Drum diameter | 870mm |
| | Rope speed of the outmost layer | 0~98.1m/min |
| | Diameter of wire rope | 40mm |
| | Rope length | 1850m |
| | Rated single line pull | 36.7t |

Product specification



Counterweight

- Carbody counterweight: Total weight: 89t, counterweight block×8, counterweight tray×2.
- Rear counterweight: Total weight: 340t, counterweight block×28, counterweight tray×2.
- Superlift counterweight: Total weight: 1160t, counterweight block×109, counterweight tray×1.

Cab

- The cab is located at the front part of the power system container. It is featured by fully-enclosed steel frame structure, large area of toughened glass window at front and sides, and the GE panel at top, making the cab brightened, strengthened and hard-wearing. The noise inside is lower than 85dB. And the interior control device, detecting instruments, fire alarming device and closed circuit are all the ergonomically designed and arranged.

Control system

- The LML display, closed circuit monitor, monitoring screen and dashboards are all directly visible to the operator. The LML detects the lifting moments and other parameters. The monitor screen displays the crane's operation and the alarming data from the monitoring cameras. Inside the right and left armrest boxes are three control levers and their control functions switched over by monitoring keys. The simple actions and compound actions are displayed by words and pictures.

Alarming

- Once a failure appear, all alarming data such as wind speed, water temperature, oil and fuel temperature, oil pressure and volume, working hours and engine speed will bounce up on the display.

Travel drive

- Two stages of speed is available. With powerful traction force, the crane can travel with 100% load. Each travel device can be independently driven and flexibly move forward and backward, and turn in pivot.

Travel brake

- The normally-applied travel brake is fixed in the gear box (The brake keeps workable before travel lever moved). And the brake is self-compensating, needing no adjusting. When the levers is operated, the brake release, and the travel system start to work.

Track pad

- The track pads are 2000mm wide, and the total is 160pcs×2. The tension can be adjusted through hydraulic adjusting cylinder fixed in the crawler travel device, or through inserting spacer between crawler frame and the track adjusting cylinder.

Transverse beam

- Welded structure of high-strengthened steel, the transverse beam is connected to crawler frame and carbody by power pins of hydraulic cylinder, enabling easy assembly & disassembly.

Carbody and adapter

- The carbody and adapter are connected through bolts, improving the swing bearing connection. The adapter is connected with the rotating bed through power pins, the high-strengthened welded structure and transverse beam by power pin of hydraulic cylinder, easy for assembly and disassembly.

Rotating bed

- It includes the front and the rear part, connected by power pin, independently transportable. The rear can be transported together with A frame, boom hoisting mechanism as a whole, cutting the time for the rope assembly & disassembly.

Travel speed

- The variable displacement motor can realize two stages of speed. The speed can be steeplessly adjusted within the stage,
- high speed 0~0.76km/h, low speed 0~0.38km/h, ensuring steady travel.

Product specification



Operation equipment

- 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 boom length is 54m (basic boom) to 120m.
- Compositions: Boom base 10m, insert 6m×2, insert 12m(45)×2, insert 12m(40)×2, insert 12m(36)×3, transitional section of boom 12m, boom tip 2m.

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.
- Jib length: 36m~108m.
- The jib luffing is realized by the front mast and rear mast. The mast is a lattice structure of welded tubes with equal section areas of insert and tapered section for two ends. The front mast is 26.5m and rear mast 25.5m.

Hook

- Standard offers: 100t hook, 400t hook and 2000t hook.

| Type | Max. load capacity | QTY | Sheave block | Single piece weight (t) |
|-------|--------------------|-----|--------------|-------------------------|
| 100t | 100t | 1 | 1 | 8.0 |
| 400t | 400t | 1 | 7 | 16.2 |
| 2000t | 2000t | 1 | 2 × 15 | 49.3 |

Note: The 2000t hook can be decomposed into a 1000t hook, and 1000t further to a 500t hook.

Superlift mast

- 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 50m.
- Compositions: Superlift base 9m×1, insert 12m×2, insert 8m×1, top 9m.

Hook latch

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

Configurations

- HDB: Boom + superlift mast + superlift counterweight (0 counterweight allowable).
- LJDB: Boom + luffing jib + superlift mast + superlift counterweight (0 counterweight allowable).
- HDB_SY: Boom + super power boom + superlift mast + superlift counterweight.

Note: The equipment above are for full configuration, and the actual configuration shall be subject to the purchase order.

Safety devices



Monitor

- To display the parameters, such as wind speed and gradient.
- To set system parameters.

A module

- To receive the input signals from cab and transmit to the controllers via CAN Bus.
- To send out command to controller keys, such as the alarming lights and buzzers.

Control panel

- Fitted with components, such as select switches, electrical ignition controller, emergency switch and hand throttle.
- Main function: To send major orders for crane operation.

RC controller

- It works as the brain to deal with all dates.

B module

- To receive then send out controller's order to control the solenoid valve.
- To receive all input signals and transmit to the controller by CAN Bus.

Brake of hoist 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.

Date recorder

- To record major parameters and dates of the crane and keep for ten years at most.

Engine ECU

- To control the engine throttle volume and detect the data, working as the engine's brain.

Regulation of engine power ultimate load and stalling protection

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

Engine monitoring dashboard

- To display the water temperature, fuel consumption, working hours, engine oil pressure, engine speed, accumulation charge, and voltage.

Electronic level indicator

- It displays the tilting angle of the crane on the monitor in real time.

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.

Over-hoist protection of the main and auxiliary hooks

- It is used to prevent the over-hoist of the hook to protect the boom and sheave blocks.

Load moment indicator

- As a safe device, it is used to limit the forward tilting moment of the crane and show the data.

Over-release protection device of the main and auxiliary hook

- 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.

Assembly mode/work mode switch

- In assembly mode, certain safety devices are disabled to facilitate crane assembly.
- In work mode, all safety devices activate to protect the operation.

Boom angle limiter mechanism

- When the elevation angle of the boom exceeds 88°, 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.

Safety devices



Back-stop device

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

Closed circuit monitoring system

- Containing a total of 8 cameras, 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.

Failure auto-diagnosis system

- Failure code can help troubleshooting easily.

Black box

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

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.

Swing and travel visual-audio alarm

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

Operation release

- If operation release key pressed, all the other handles won't work, which prevents any mis-operation caused by accidental collision.

Emergency operation system

- The independent circuit emergency operation box, connected to solenoid valve via connectors, is obtainable for crane's main operations such as load hoisting, luffing and swing.

Remote monitoring system

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

Emergency stop key

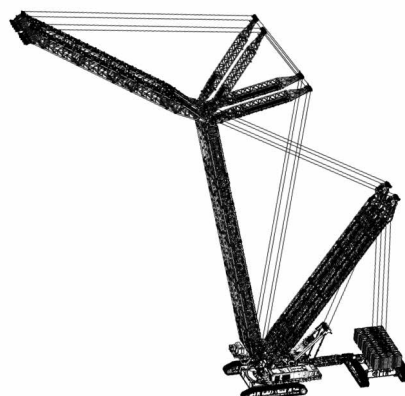
- If the crane is suddenly out of control, press the emergency stop key, the hoisting, luffing and swing and travel all brake, and the engine stop working.

Product features in the industry

- High configuration: The major electric components are all exported from famous brand, such as Rexroth, Gessman and P+F.
- Intelligence: The CAN node adopted can enhance the self-diagnosing ability for easy maintenance.
- Energy-saving: Energy-saving technology of the engine to low down the fuel consumption and operation cost.
- High safety: The crane is equipped with LML, all limiter switch, GPS location and other safety-controlling system to ensure safe operation.

Advantages

- 1: The data recorder will provide support for failure detection and service life analysis.
- 2: The customer's specialized demands can be met timely.
- 3: The monitoring function with recording time of 120h and more, can play back the real operation condition.
- 4: Electrical control levers are featured by shaking function during operation, so the operator can be aware of the speeds situation.
- 5: The boom area limiter promoted greatly the control safety and flexibility.
- 6: Further reach on energy saving technology will cut more cost and give better support to the regular customers in the technology upgrade.
- 7: Two SCC38000TM can be combined and work as a 4000t tonnage crawler crane (Pictured below).





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SANY CRAWLER CRANE
2200 TONS LIFTING CAPACITY

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Technical Parameters

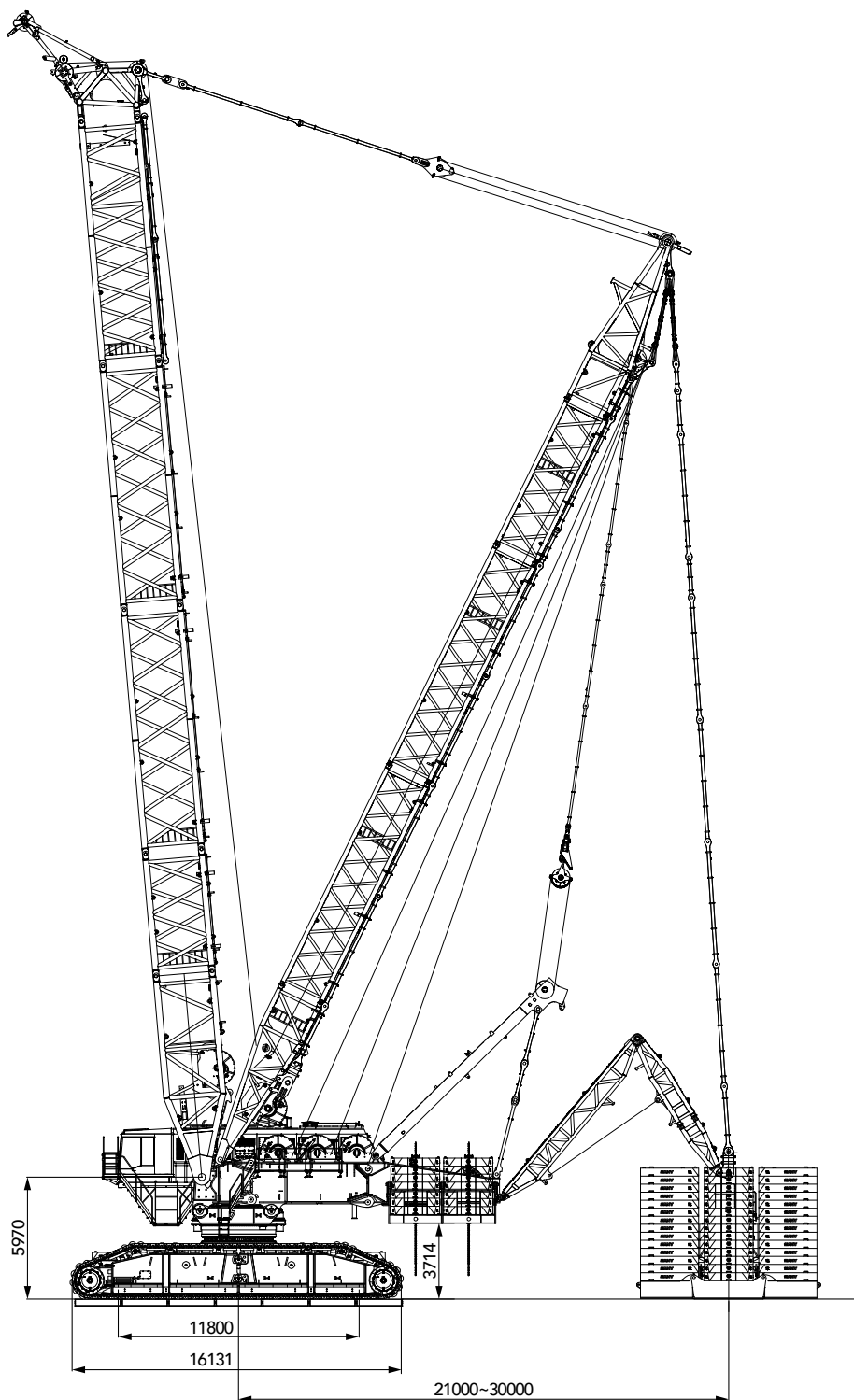
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> 10

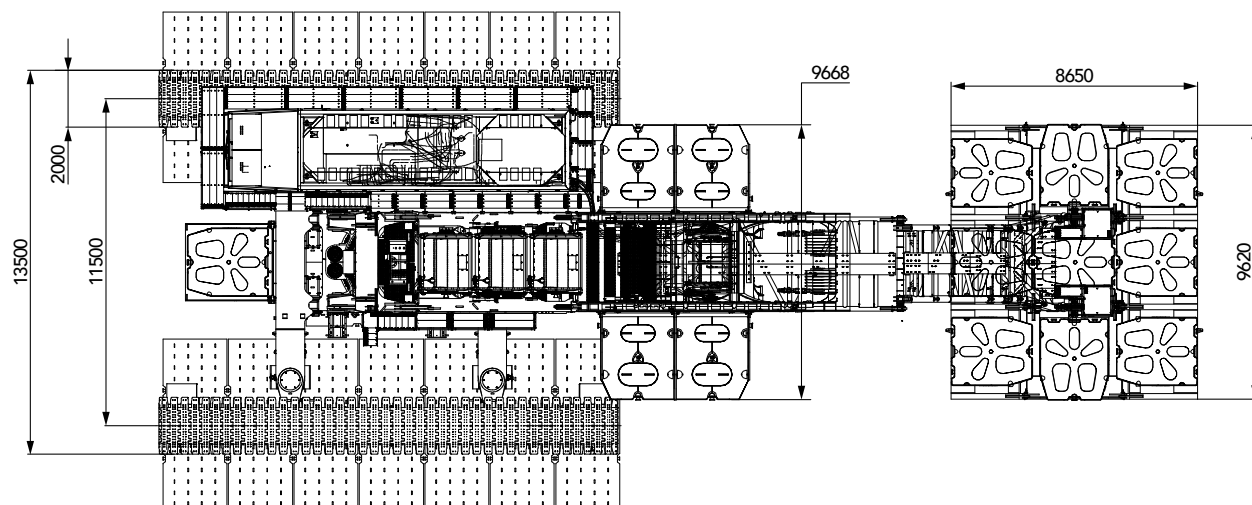
Main performance parameters

| Major Performance & Specification of SCC38000TM | | |
|--------------------------------------------------------------------------------------------|-------|-----------------------------------------|
| Performance indexes | Unit | Parameter |
| Maximum rated lifting capacity (HDB) | t | 2200 |
| Maximum rated lifting moment (HDB) | t·m | 38000 |
| Boom length | m | 54~120 |
| Jib length | m | 36~108 |
| Superlift mast length | m | 50 |
| Superlift mast radius | m | 21~30 |
| Maximum boom + jib | m | 108+108 |
| Maximum rope speed of single rope of main load hoist winch (outermost working layer) | m/min | 121 |
| Maximum rope speed of single rope of auxiliary load hoist winch (outermost working layer) | m/min | 76.6 |
| Maximum rope speed of single rope of boom hoist mechanism (outermost working layer) | m/min | 58.3 |
| Maximum rope speed of single rope of jib luffing mechanism (outermost working layer) | m/min | 85.2 |
| Maximum rope speed of single rope of superlift luffing mechanism (outermost working layer) | m/min | 98.1 |
| Swing speed | m/min | 0~0.82 / 0~0.41 |
| Travelling speed | Km/h | 0.76 |
| Gradeability | % | 10 |
| Maximum output power of engine | kW | 2×390 |
| Maximum torque of engine | N·m | 2×2300 |
| Machine weight (without superlift counterweight) | t | 1182 (includes basic boom, 2000t hook) |
| Average ground bearing pressure of the crawler | Mpa | 0.255 (includes basic boom, 2000t hook) |
| Maximum transport weight of single piece | t | 60 |
| Maximum transportat dimensions of single piece (L×W×H) | m | 12.4×3.48×3.49 |

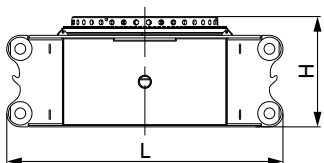
Outline dimension



Outline dimension

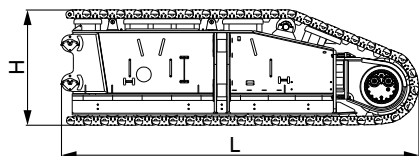


Transport dimension



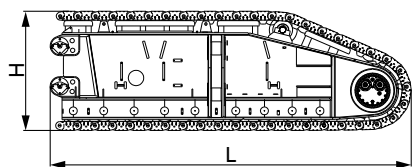
Center swing structure (carbody+adapter) ×1

| | |
|------------|-------|
| Length (L) | 6.10m |
| Width (W) | 3.65m |
| Height (H) | 2.45m |
| Weight | 39.7t |



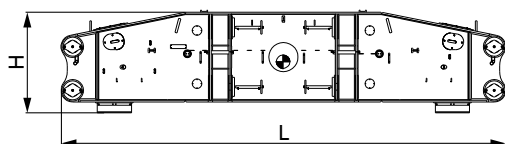
Crawler frame I (with crawler pads) ×2

| | |
|------------|-------|
| Length (L) | 8.40m |
| Width (W) | 2.50m |
| Height (H) | 2.70m |
| Weight | 60.0t |



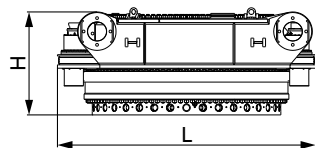
Crawler frame II (with crawler pads) ×2

| | |
|------------|-------|
| Length (L) | 8.20m |
| Width (W) | 2.50m |
| Height (H) | 2.70m |
| Weight | 60.0t |



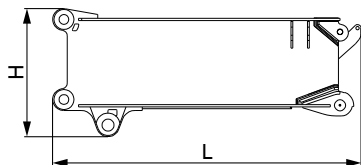
Transverse beam (with outrigger oil cylinder) ×2

| | |
|------------|--------|
| Length (L) | 10.66m |
| Width (W) | 1.90m |
| Height (H) | 2.47m |
| Weight | 28.1t |



Transition platform ×1

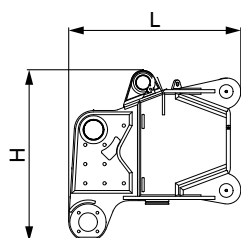
| | |
|------------|-------|
| Length (L) | 4.60m |
| Width (W) | 3.70m |
| Height (H) | 1.85m |
| Weight | 52.8t |



Front rotating bed ×1

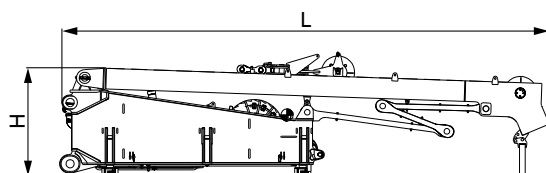
| | |
|------------|-------|
| Length (L) | 6.93m |
| Width (W) | 3.75m |
| Height (H) | 2.88m |
| Weight | 31.9t |

Transport dimension



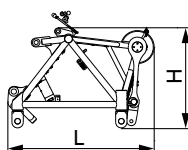
Transverse rotating bed (single boom) × 1

| | |
|------------|-------|
| Length (L) | 3.13m |
| Width (W) | 3.60m |
| Height (H) | 3.02m |
| Weight | 19.8t |



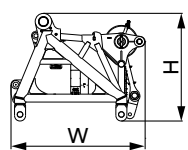
Rear rotating bed assembly × 1

| | |
|------------|--------|
| Length (L) | 13.00m |
| Width (W) | 3.72m |
| Height (H) | 3.28m |
| Weight | 54.1t |



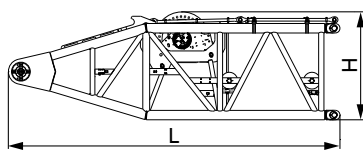
Boom tip × 1

| | |
|------------|-------|
| Length (L) | 3.72m |
| Width (W) | 4.26m |
| Height (H) | 3.14m |
| Weight | 15.0t |



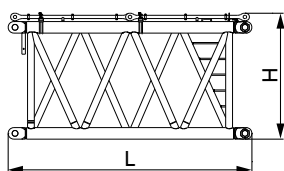
Connection tip (for boom and jib) × 1

| | |
|------------|-------|
| Length (L) | 3.94m |
| Width (W) | 3.65m |
| Height (H) | 3.00m |
| Weight | 12.6t |



10m boom base (with 16.8t winch) × 1

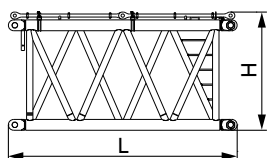
| | |
|------------|--------|
| Length (L) | 10.60m |
| Width (W) | 3.80m |
| Height (H) | 3.50m |
| Weight | 41.6t |



6m boom insert (36) × 1

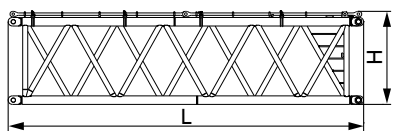
| | |
|------------|-------|
| Length (L) | 6.40m |
| Width (W) | 3.70m |
| Height (H) | 3.30m |
| Weight | 10.9t |

Transport dimension



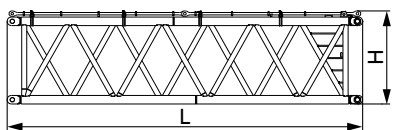
6m boom insert (45) ×1

| | |
|------------|-------|
| Length (L) | 6.40m |
| Width (W) | 3.70m |
| Height (H) | 3.30m |
| Weight | 13.6t |



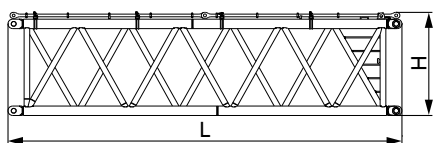
12m boom insert (45) ×2

| | |
|------------|--------|
| Length (L) | 12.40m |
| Width (W) | 3.70m |
| Height (H) | 3.30m |
| Weight | 20.5t |



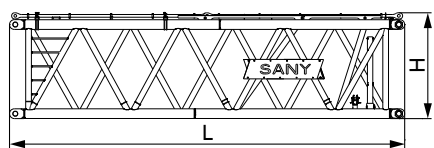
12m boom insert (40) ×2

| | |
|------------|--------|
| Length (L) | 12.40m |
| Width (W) | 3.70m |
| Height (H) | 3.30m |
| Weight | 19.9t |



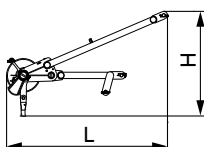
12m boom insert (36) ×3

| | |
|------------|--------|
| Length (L) | 12.40m |
| Width (W) | 3.70m |
| Height (H) | 3.30m |
| Weight | 19.3t |



12m transitional section of boom ×1

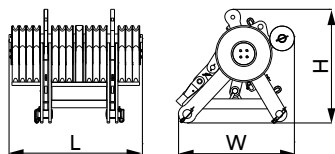
| | |
|------------|--------|
| Length (L) | 12.40m |
| Width (W) | 3.80m |
| Height (H) | 3.30m |
| Weight | 20.6t |



Extension jib ×1

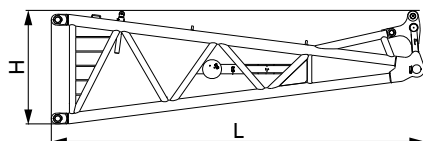
| | |
|------------|-------|
| Length (L) | 4.66m |
| Width (W) | 2.40m |
| Height (H) | 1.72m |
| Weight | 1.8t |

Transport dimension



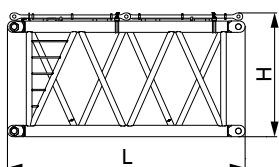
Pulley block (left/right) × 2

| | |
|------------|-------|
| Length (L) | 2.17m |
| Width (W) | 2.57m |
| Height (H) | 1.96m |
| Weight | 7.2t |



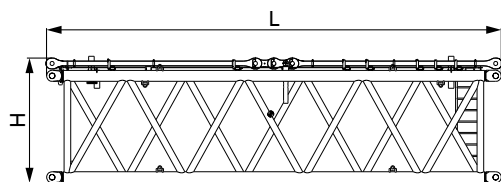
10m jib base × 1

| | |
|------------|--------|
| Length (L) | 10.50m |
| Width (W) | 3.65m |
| Height (H) | 3.20m |
| Weight | 13.4t |



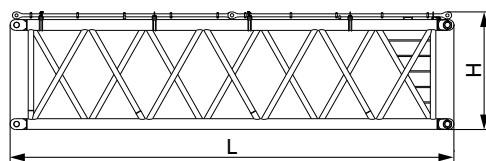
6m jib insert (30) (A/B) × 2

| | |
|------------|-------|
| Length (L) | 6.40m |
| Width (W) | 3.65m |
| Height (H) | 3.38m |
| Weight | 10.1t |



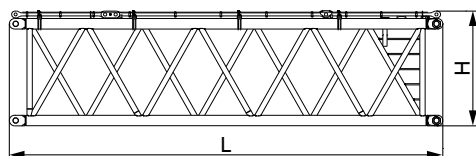
12m jib insert (30) × 1

| | |
|------------|--------|
| Length (L) | 12.40m |
| Width (W) | 3.65m |
| Height (H) | 3.38m |
| Weight | 17.9t |



12m jib insert (20) × 2

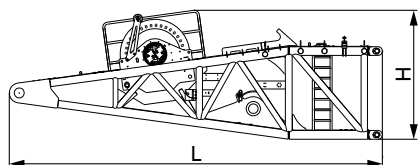
| | |
|------------|--------|
| Length (L) | 12.40m |
| Width (W) | 3.65m |
| Height (H) | 3.38m |
| Weight | 13.4t |



12m jib insert (17.5) (A/B) × 4

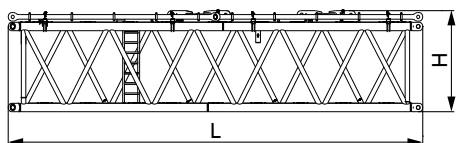
| | |
|------------|--------|
| Length (L) | 12.40m |
| Width (W) | 3.65m |
| Height (H) | 3.38m |
| Weight | 12.3t |

Transport dimension



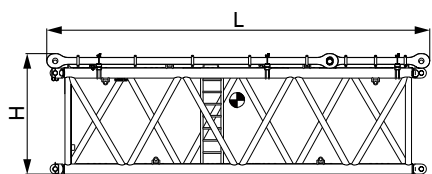
Superlift mast base (with 20.6t winch) × 1

| | |
|------------|-------|
| Length (L) | 9.36m |
| Width (W) | 3.50m |
| Height (H) | 3.77m |
| Weight | 39.7t |



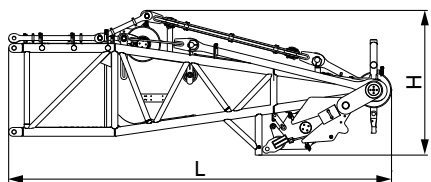
12m superlift mast insert (A/B) × 2

| | |
|------------|--------|
| Length (L) | 12.40m |
| Width (W) | 3.50m |
| Height (H) | 2.64m |
| Weight | 15.4t |



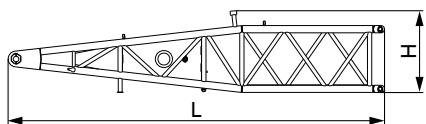
8m superlift mast insert × 1

| | |
|------------|-------|
| Length (L) | 8.40m |
| Width (W) | 3.50m |
| Height (H) | 2.63m |
| Weight | 10.1t |



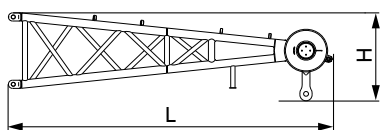
Superlift mast top × 1

| | |
|------------|-------|
| Length (L) | 9.63m |
| Width (W) | 3.50m |
| Height (H) | 3.7m |
| Weight | 21.7t |



Front mast base of luffing jib × 1

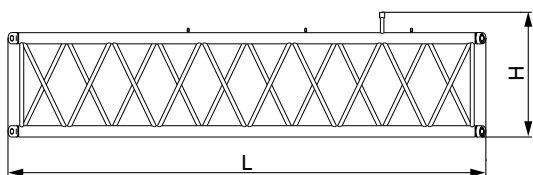
| | |
|------------|-------|
| Length (L) | 8.80m |
| Width (W) | 2.88m |
| Height (H) | 2.07m |
| Weight | 5.1t |



Front mast top of luffing jib × 1

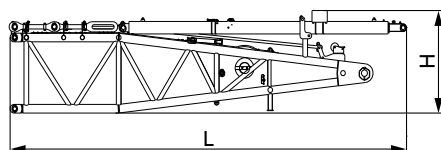
| | |
|------------|-------|
| Length (L) | 6.50m |
| Width (W) | 2.78m |
| Height (H) | 1.78m |
| Weight | 5.4t |

Transport dimension



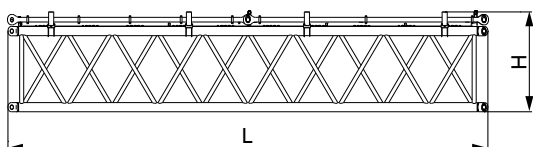
Front mast insert of luffing jib × 1

| | |
|------------|--------|
| Length (L) | 12.20m |
| Width (W) | 2.90m |
| Height (H) | 2.09m |
| Weight | 4.2t |



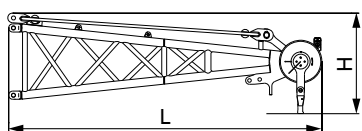
Rear mast base of luffing jib × 1

| | |
|------------|-------|
| Length (L) | 8.38m |
| Width (W) | 3.24m |
| Height (H) | 2.20m |
| Weight | 9.5t |



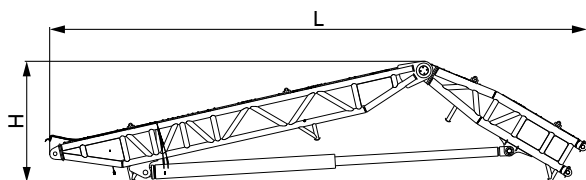
Rear mast insert of luffing jib × 1

| | |
|------------|--------|
| Length (L) | 12.40m |
| Width (W) | 3.04m |
| Height (H) | 2.13m |
| Weight | 7.1t |



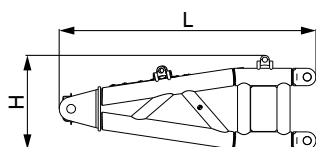
Rear mast top of luffing jib × 1

| | |
|------------|-------|
| Length (L) | 6.62m |
| Width (W) | 3.10m |
| Height (H) | 2.14m |
| Weight | 8.2t |



Superlift counterweight I × 1

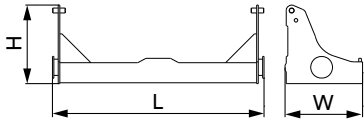
| | |
|------------|--------|
| Length (L) | 14.50m |
| Width (W) | 3.36m |
| Height (H) | 3.26m |
| Weight | 20.7t |



Superlift counterweight II × 1

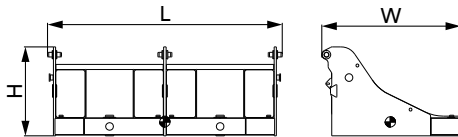
| | |
|------------|-------|
| Length (L) | 3.20m |
| Width (W) | 3.40m |
| Height (H) | 3.18m |
| Weight | 2.6t |

Transport dimension



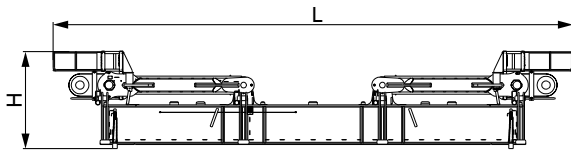
Carbody counterweight tray × 2

| | |
|------------|-------|
| Length (L) | 3.18m |
| Width (W) | 2.73m |
| Height (H) | 1.72m |
| Weight | 4.5t |



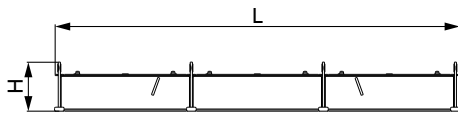
Rear counterweight tray × 2

| | |
|------------|-------|
| Length (L) | 5.40m |
| Width (W) | 3.30m |
| Height (H) | 2.10m |
| Weight | 30.0t |



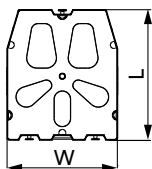
Superlift counterweight middle tray × 1

| | |
|------------|--------|
| Length (L) | 11.80m |
| Width (W) | 3.70m |
| Height (H) | 2.10m |
| Weight | 30.0t |



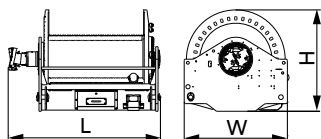
Superlift counterweight side tray × 2

| | |
|------------|-------|
| Length (L) | 9.65m |
| Width (W) | 2.94m |
| Height (H) | 1.17m |
| Weight | 16.8t |



10t counterweight block × 145

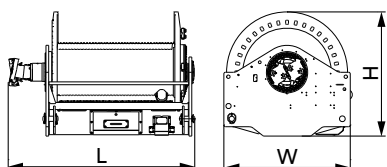
| | |
|------------|-------|
| Length (L) | 2.85m |
| Width (W) | 2.40m |
| Height (H) | 0.45m |
| Weight | 10.0t |



Main load hoist mechanism × 2

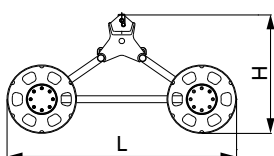
| | |
|------------|-------|
| Length (L) | 2.91m |
| Width (W) | 1.95m |
| Height (H) | 1.80m |
| Weight | 22.6t |

Transport dimension



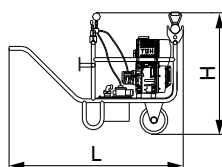
Aux. load hoist mechanism ×1

| | |
|------------|-------|
| Length (L) | 2.91m |
| Width (W) | 1.95m |
| Height (H) | 1.80m |
| Weight | 22.6t |



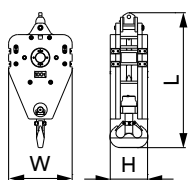
Trolley ×1

| | |
|------------|-------|
| Length (L) | 3.30m |
| Width (W) | 2.65m |
| Height (H) | 1.80m |
| Weight | 2.4t |



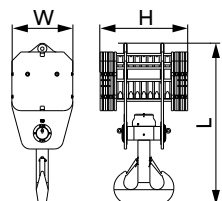
Portable power pack ×1

| | |
|------------|-------|
| Length (L) | 1.60m |
| Width (W) | 0.66m |
| Height (H) | 1.10m |
| Weight | 0.22t |



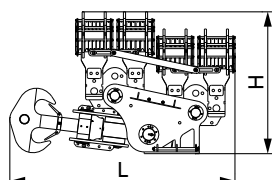
100t hook ×1

| | |
|------------|-------|
| Length (L) | 2.90m |
| Width (W) | 1.40m |
| Height (H) | 0.82m |
| Weight | 8.0t |



400t hook ×1

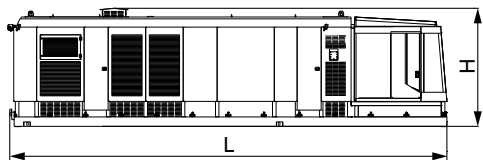
| | |
|------------|-------|
| Length (L) | 3.58m |
| Width (W) | 1.35m |
| Height (H) | 1.94m |
| Weight | 16.2t |



2000t hook ×1

| | |
|------------|-------|
| Length (L) | 6.50m |
| Width (W) | 1.80m |
| Height (H) | 4.20m |
| Weight | 49.3t |

Transport dimension



Note:

1.The transport dimensions of each part are schematic, may not be proportional to the real parts.
The dimensions are designed value without package considered.

2.The weight is designed value that the actual manufactured part may deviate slightly.

3.The dimensions and weight of each part may upgrade along the time. The final values are subject to the new product.

| Power container (with cab) | ×1 |
|----------------------------|--------|
| Length (L) | 12.20m |
| Width (W) | 3.50m |
| Height (H) | 3.20m |
| Weight | 29.5t |



SCC38000TM
SANY CRAWLER CRANE
2200 TONS LIFTING CAPACITY

QUALITY CHANGES THE WORLD

Configurations

- Page 24 Boom Combination
- Page 26 HDB Configuration
- Page 29 LJDB Configuration
- Page 35 FJDB_7 Configuration
- Page 37 FJhDB Configuration

Combination



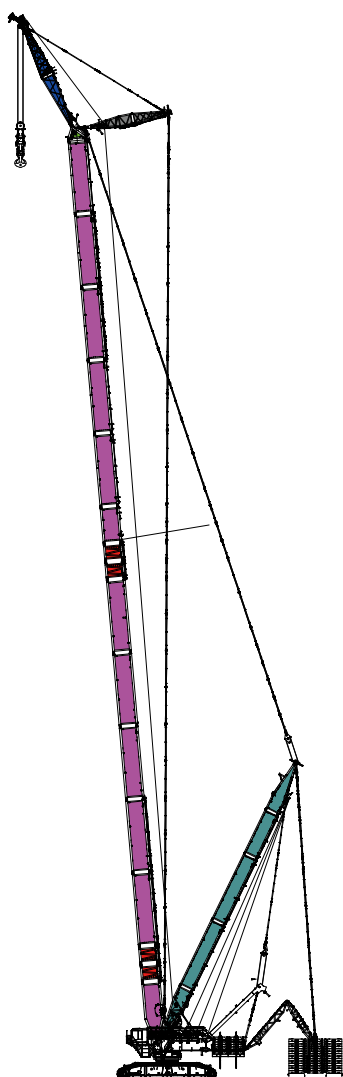
HDB
(54m~120m)
Boom with superlift

LJDB
(Boom 54m~108m, jib 36m~108m)
Luffing jib with superlift

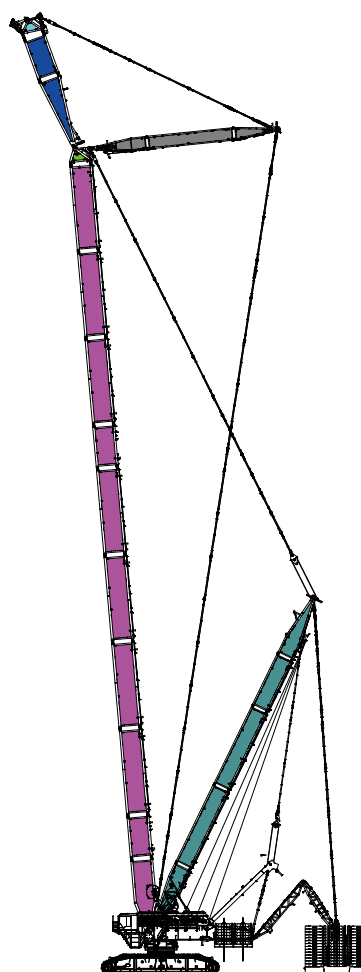
| Configuration | Boom combination | Boom length |
|---------------|--------------------------------------------------------------|-----------------------------|
| HDB | Boom + superlift mast + superlift counterweight | 54m~120m |
| LJDB | Boom + luffing jib + superlift mast+ superlift counterweight | (54m~108m) + (36m~108m) |

Note: The above is only the schematic diagram of working conditions.

Combination



FJDB_7
(Boom 126~150m, jib 18m)
Light fixed jib with superlift

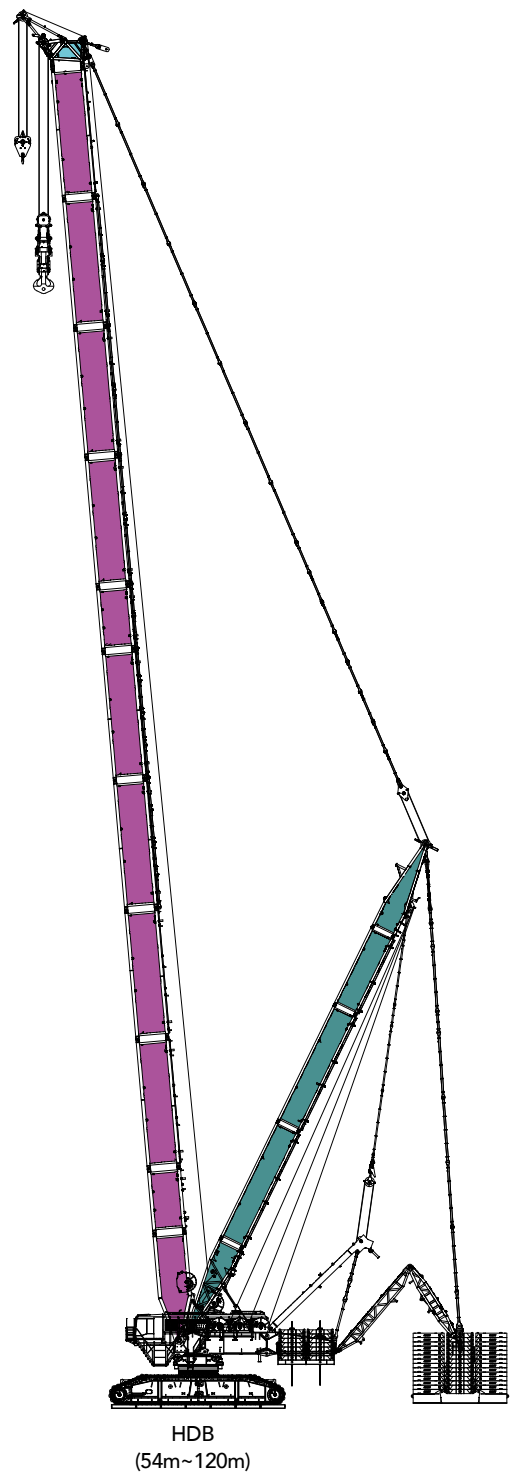


FJhDB
(Boom 78~120m, jib 18m)
Fixed jib with superlift

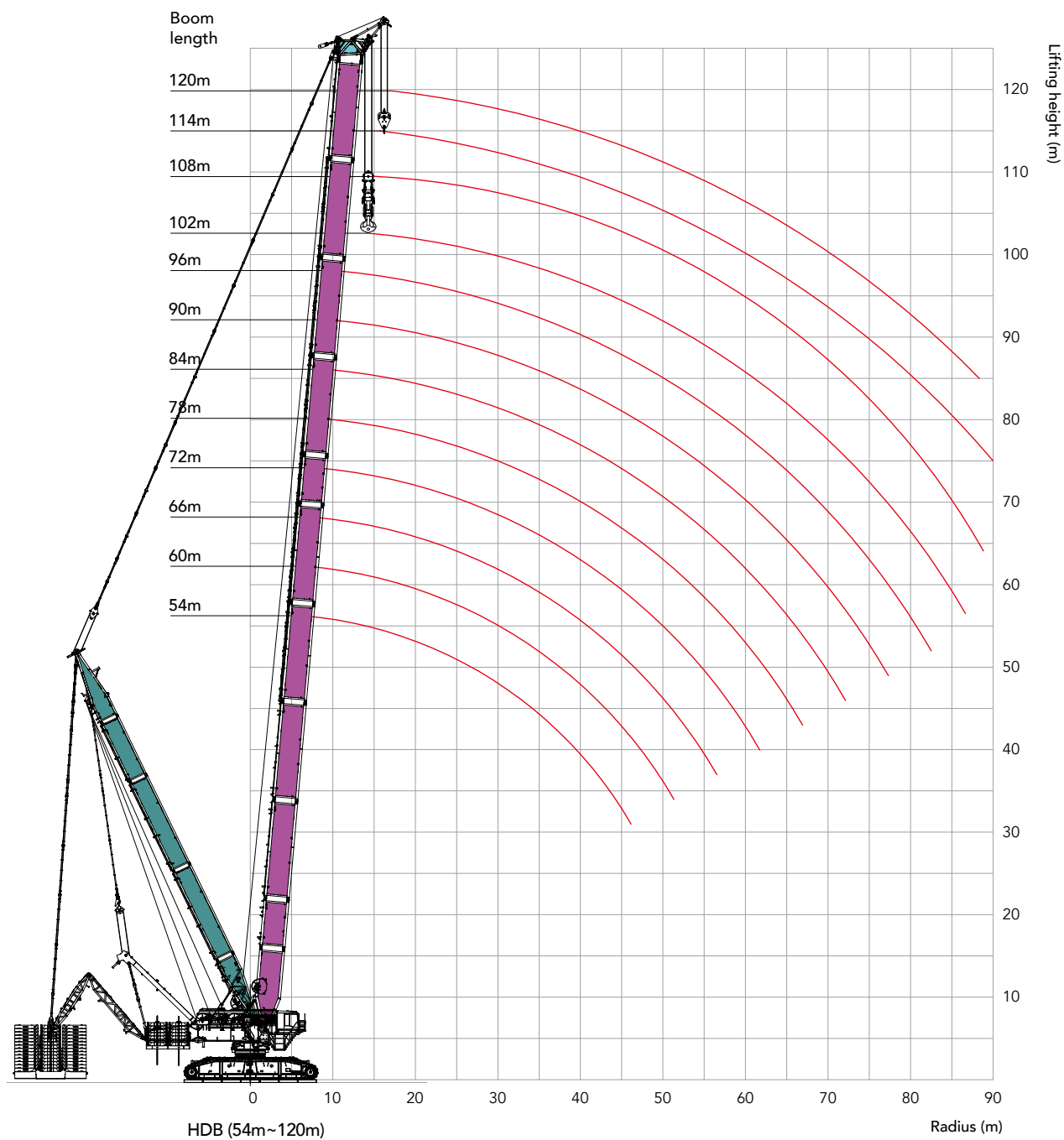
| Configuration | Boom combination | Boom length |
|---------------|--------------------------------------------------------------------------|-------------------|
| FJDB_7 | Boom + power boom + fixed jib + superlift mast + superlift counterweight | (126m~150m) +18m |
| FJhDB | Boom + fixed jib + superlift mast + superlift counterweight | (78m~120m) +18m |

Boom combination in HDB

| Boom combination in HDB configuration | | |
|---------------------------------------|-------------|-----|
| Boom length(m) | Boom insert | |
| | 6m | 12m |
| 54 | 1 | 2 |
| 60 | 0 | 3 |
| 66 | 1 | 3 |
| 72 | 2 | 3 |
| 78 | 1 | 4 |
| 84 | 2 | 4 |
| 90 | 1 | 5 |
| 96 | 2 | 5 |
| 102 | 1 | 6 |
| 108 | 2 | 6 |
| 114 | 1 | 7 |
| 120 | 2 | 7 |



Working range of HDB



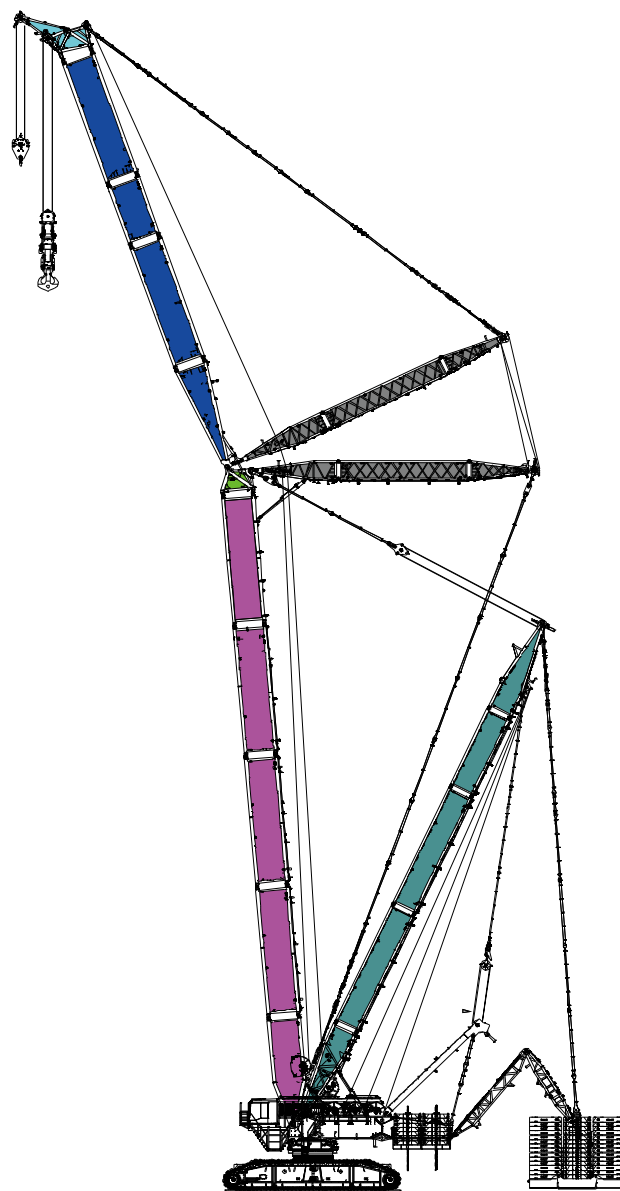
Load chart of HDB configuration

| HDB configuration | | | | | | | | | | | | | |
|------------------------------------------------------------------------|-----------------|------|------|------|------|------|------|-----|-----|-----|-----|-----|---------------|
| Superlift radius 30m, superlift CW 1160t, rear CW 340t, carbody CW 89t | | | | | | | | | | | | | |
| Radius (m) | Boom length (m) | | | | | | | | | | | | Radius (m) |
| | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | 102 | 108 | 114 | 120 | |
| 9 | 2200 | | | | | | | | | | | | 9 |
| 10 | 2200 | 1966 | 1878 | | | | | | | | | | 10 |
| 11 | 2200 | 1977 | 1876 | 1631 | 1406 | | | | | | | | 11 |
| 12 | 2200 | 1986 | 1885 | 1639 | 1408 | 1222 | 1067 | | | | | | 12 |
| 13 | 2200 | 1992 | 1891 | 1644 | 1413 | 1226 | 1071 | 931 | 826 | | | | 13 |
| 14 | 2200 | 1998 | 1897 | 1650 | 1418 | 1230 | 1074 | 934 | 826 | 728 | 644 | | 14 |
| 15 | 2200 | 2008 | 1907 | 1653 | 1425 | 1233 | 1077 | 936 | 827 | 729 | 645 | 575 | 15 |
| 16 | 2200 | 2018 | 1916 | 1656 | 1433 | 1235 | 1079 | 938 | 829 | 731 | 647 | 576 | 16 |
| 17 | 2157 | 2025 | 1929 | 1663 | 1435 | 1237 | 1081 | 942 | 830 | 732 | 649 | 576 | 17 |
| 18 | 2112 | 1978 | 1943 | 1669 | 1436 | 1238 | 1082 | 946 | 831 | 733 | 652 | 577 | 18 |
| 19 | 1885 | 1855 | 1866 | 1674 | 1441 | 1243 | 1086 | 947 | 832 | 733 | 652 | 579 | 19 |
| 20 | 1770 | 1745 | 1759 | 1679 | 1446 | 1247 | 1090 | 948 | 832 | 733 | 653 | 581 | 20 |
| 22 | 1574 | 1556 | 1575 | 1565 | 1453 | 1247 | 1090 | 953 | 837 | 738 | 653 | 580 | 22 |
| 24 | 1413 | 1472 | 1423 | 1491 | 1398 | 1252 | 1095 | 952 | 841 | 737 | 656 | 583 | 24 |
| 26 | 1277 | 1335 | 1295 | 1362 | 1281 | 1254 | 1099 | 956 | 840 | 741 | 659 | 582 | 26 |
| 28 | 1224 | 1218 | 1246 | 1252 | 1241 | 1159 | 1102 | 959 | 845 | 743 | 657 | 584 | 28 |
| 30 | 1119 | 1117 | 1147 | 1156 | 1149 | 1075 | 1053 | 962 | 842 | 745 | 659 | 586 | 30 |
| 32 | 1027 | 1084 | 1059 | 1071 | 1068 | 1055 | 983 | 960 | 844 | 743 | 660 | 587 | 32 |
| 34 | 999 | 1002 | 982 | 997 | 997 | 986 | 921 | 901 | 845 | 744 | 661 | 588 | 34 |
| 36 | 922 | 928 | 913 | 981 | 933 | 925 | 912 | 848 | 828 | 745 | 662 | 585 | 36 |
| 38 | 853 | 862 | 898 | 918 | 875 | 870 | 859 | 800 | 782 | 745 | 662 | 587 | 38 |
| 40 | 789 | 849 | 839 | 861 | 869 | 820 | 812 | 798 | 741 | 722 | 663 | 587 | 40 |
| 44 | 719 | 738 | 736 | 760 | 772 | 774 | 728 | 718 | 706 | 653 | 637 | 586 | 44 |
| 48 | 653 | 682 | 686 | 716 | 690 | 696 | 657 | 651 | 641 | 628 | 581 | 566 | 48 |
| 52 | | 591 | 604 | 637 | 654 | 628 | 630 | 592 | 585 | 574 | 563 | 519 | 52 |
| 56 | | | 565 | 604 | 590 | 596 | 573 | 573 | 536 | 527 | 518 | 506 | 56 |
| 60 | | | 526 | 557 | 553 | 546 | 546 | 524 | 522 | 486 | 478 | 468 | 60 |
| 64 | | | | 507 | 507 | 508 | 505 | 480 | 481 | 476 | 442 | 434 | 64 |
| 68 | | | | | 476 | 472 | 462 | 466 | 443 | 440 | 436 | 403 | 68 |
| 72 | | | | | | 440 | 437 | 430 | 431 | 407 | 405 | 399 | 72 |
| 76 | | | | | | | 408 | 405 | 401 | 398 | 376 | 372 | 76 |
| 80 | | | | | | | 382 | 379 | 369 | 372 | 369 | 346 | 80 |
| 84 | | | | | | | | 356 | 353 | 344 | 346 | 322 | 84 |
| 88 | | | | | | | | | 332 | 328 | 322 | 321 | 88 |
| 92 | | | | | | | | | | 308 | 305 | 299 | 92 |
| 96 | | | | | | | | | | 290 | 287 | 277 | 96 |
| 100 | | | | | | | | | | | 271 | 267 | 100 |
| 104 | | | | | | | | | | | | 252 | 104 |

Boom combination in LJDB

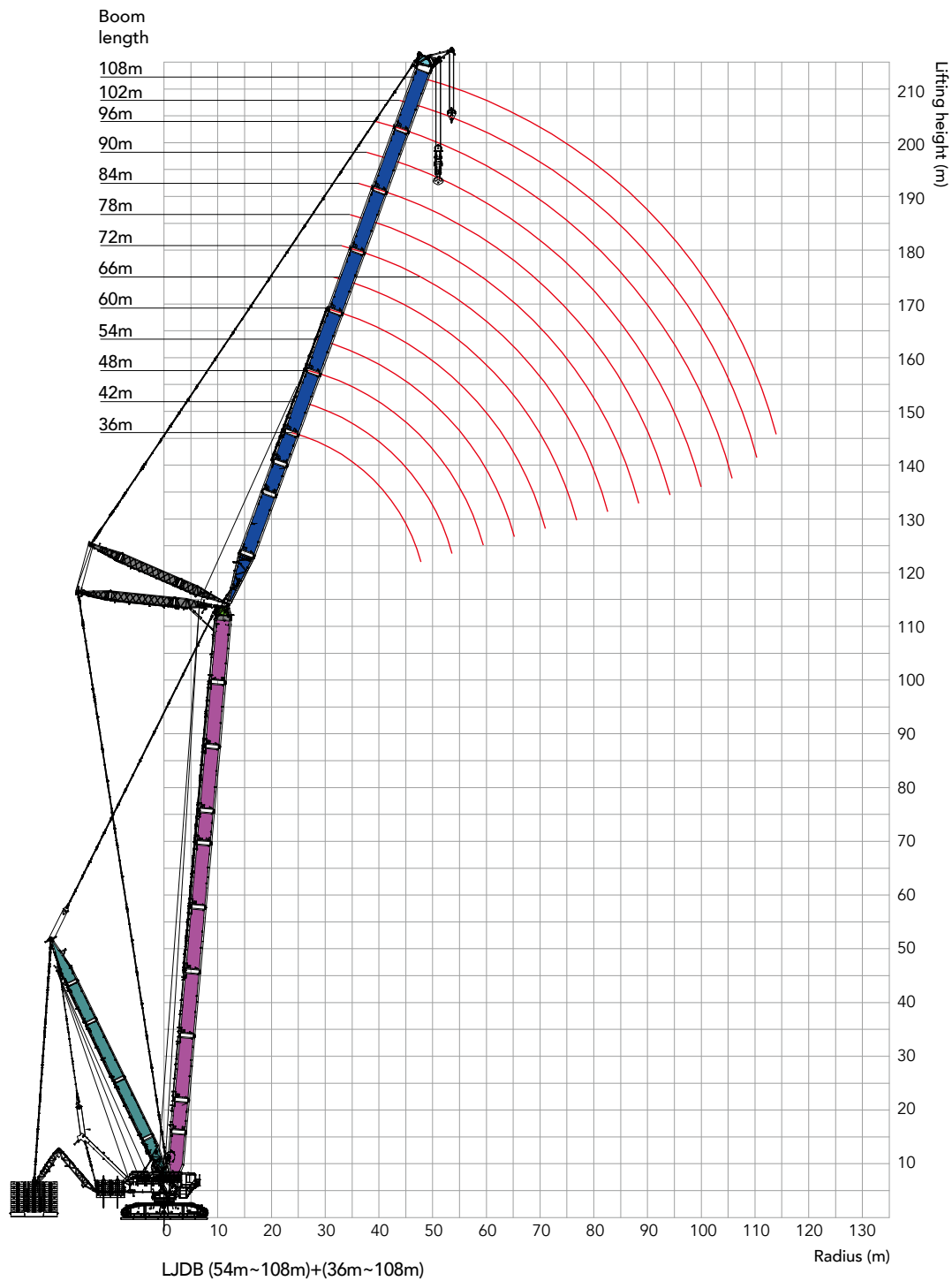
| Boom combination in LJDB configuration | | |
|----------------------------------------|------------|-----|
| Boom length(m) | Jib insert | |
| | 6m | 12m |
| 36 | 2 | 1 |
| 42 | 1 | 2 |
| 48 | 2 | 2 |
| 54 | 1 | 3 |
| 60 | 2 | 3 |
| 66 | 1 | 4 |
| 72 | 2 | 4 |
| 78 | 1 | 5 |
| 84 | 2 | 5 |
| 90 | 1 | 6 |
| 96 | 2 | 6 |
| 102 | 1 | 7 |
| 108 | 2 | 7 |

Note: See HDB configuration for boom length



LJDB
(54m~108m)+(36m~108m)

Working range of LJDB



Load chart of LJDB configuration

| LJDB configuration (boom length 66m) | | | | | | | | | | | | | | |
|----------------------------------------------------------------------------------------|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|---------------|
| Boom angle 85°, superlift radius 30m, superlift CW 1160t, rear CW 340t, carbody CW 89t | | | | | | | | | | | | | | |
| Radius (m) | Jib length (m) | | | | | | | | | | | | | Radius (m) |
| | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | 102 | 108 | |
| 20 | 839 | | | | | | | | | | | | | 20 |
| 22 | 825 | 734 | | | | | | | | | | | | 22 |
| 24 | 803 | 723 | 643 | | | | | | | | | | | 24 |
| 26 | 754 | 707 | 635 | 563 | | | | | | | | | | 26 |
| 28 | 704 | 669 | 626 | 558 | 497 | 437 | | | | | | | | 28 |
| 30 | 659 | 628 | 595 | 551 | 493 | 435 | 388 | | | | | | | 30 |
| 32 | 616 | 590 | 561 | 529 | 488 | 432 | 386 | 339 | | | | | | 32 |
| 34 | 574 | 553 | 530 | 506 | 475 | 428 | 384 | 338 | 301 | 260 | | | | 34 |
| 36 | 533 | 517 | 502 | 480 | 456 | 424 | 382 | 336 | 300 | 260 | 231 | | | 36 |
| 38 | 495 | 485 | 471 | 454 | 433 | 408 | 378 | 334 | 299 | 259 | 230 | 196 | | 38 |
| 40 | 462 | 452 | 442 | 431 | 414 | 392 | 373 | 332 | 297 | 258 | 230 | 196 | 173 | 40 |
| 44 | | 394 | 391 | 383 | 372 | 357 | 344 | 325 | 293 | 255 | 228 | 194 | 172 | 44 |
| 48 | | 346 | 343 | 341 | 334 | 324 | 313 | 297 | 285 | 252 | 225 | 192 | 170 | 48 |
| 52 | | | 304 | 301 | 298 | 292 | 285 | 274 | 266 | 248 | 221 | 190 | 168 | 52 |
| 56 | | | | 268 | 266 | 263 | 259 | 250 | 245 | 231 | 218 | 187 | 165 | 56 |
| 60 | | | | 237 | 237 | 236 | 233 | 228 | 224 | 214 | 204 | 184 | 162 | 60 |
| 64 | | | | | 213 | 213 | 211 | 209 | 205 | 196 | 190 | 181 | 159 | 64 |
| 68 | | | | | | 191 | 189 | 190 | 186 | 182 | 175 | 169 | 156 | 68 |
| 72 | | | | | | 171 | 171 | 171 | 169 | 167 | 162 | 157 | 151 | 72 |
| 76 | | | | | | | 154 | 155 | 154 | 153 | 148 | 145 | 139 | 76 |
| 80 | | | | | | | | 140 | 140 | 139 | 136 | 134 | 129 | 80 |
| 84 | | | | | | | | 126 | 127 | 128 | 126 | 123 | 120 | 84 |
| 88 | | | | | | | | | 116 | 116 | 116 | 113 | 111 | 88 |
| 92 | | | | | | | | | | 106 | 105 | 104 | 102 | 92 |
| 96 | | | | | | | | | | | 96.8 | 95.9 | 94.9 | 96 |
| 100 | | | | | | | | | | | 89.0 | 87.9 | 86.4 | 100 |
| 104 | | | | | | | | | | | | 79.9 | 79.4 | 104 |
| 108 | | | | | | | | | | | | | 72.7 | 108 |
| 112 | | | | | | | | | | | | | 66.8 | 112 |

Load chart of LJDB configuration

| LJDB configuration (boom length 78m) | | | | | | | | | | | | | | |
|----------------------------------------------------------------------------------------|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|---------------|
| Boom angle 85°, superlift radius 30m, superlift CW 1160t, rear CW 340t, carbody CW 89t | | | | | | | | | | | | | | |
| Radius (m) | Jib length (m) | | | | | | | | | | | | | Radius (m) |
| | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | 102 | 108 | |
| 22 | 652 | | | | | | | | | | | | | 22 |
| 24 | 639 | 576 | 517 | | | | | | | | | | | 24 |
| 26 | 623 | 566 | 510 | 457 | | | | | | | | | | 26 |
| 28 | 594 | 554 | 503 | 452 | 405 | | | | | | | | | 28 |
| 30 | 557 | 532 | 493 | 447 | 401 | 357 | | | | | | | | 30 |
| 32 | 522 | 501 | 476 | 440 | 397 | 355 | 319 | 282 | | | | | | 32 |
| 34 | 487 | 471 | 450 | 428 | 391 | 351 | 316 | 281 | 250 | | | | | 34 |
| 36 | 455 | 441 | 424 | 406 | 385 | 348 | 314 | 279 | 250 | 218 | | | | 36 |
| 38 | 424 | 414 | 401 | 386 | 367 | 344 | 311 | 277 | 248 | 217 | 193 | 166 | | 38 |
| 40 | 397 | 387 | 377 | 364 | 350 | 333 | 307 | 275 | 247 | 216 | 192 | 165 | 145 | 40 |
| 44 | 347 | 340 | 332 | 327 | 314 | 303 | 291 | 269 | 243 | 214 | 191 | 164 | 144 | 44 |
| 48 | | 298 | 293 | 291 | 282 | 275 | 266 | 256 | 238 | 210 | 188 | 162 | 143 | 48 |
| 52 | | | 260 | 258 | 253 | 248 | 242 | 235 | 225 | 206 | 185 | 160 | 141 | 52 |
| 56 | | | 229 | 229 | 226 | 224 | 218 | 212 | 206 | 196 | 181 | 158 | 139 | 56 |
| 60 | | | | 204 | 203 | 201 | 197 | 193 | 189 | 181 | 172 | 154 | 136 | 60 |
| 64 | | | | | 181 | 181 | 177 | 176 | 171 | 166 | 159 | 151 | 134 | 64 |
| 68 | | | | | 163 | 162 | 160 | 159 | 157 | 153 | 147 | 142 | 131 | 68 |
| 72 | | | | | | 145 | 144 | 143 | 142 | 139 | 135 | 131 | 125 | 72 |
| 76 | | | | | | | 130 | 130 | 128 | 127 | 124 | 121 | 116 | 76 |
| 80 | | | | | | | | 117 | 117 | 115 | 113 | 110 | 107 | 80 |
| 84 | | | | | | | | 105 | 105 | 105 | 104 | 101 | 99.2 | 84 |
| 88 | | | | | | | | | 95.9 | 95.9 | 94.3 | 93.0 | 91.2 | 88 |
| 92 | | | | | | | | | | 87.4 | 86.6 | 85.3 | 83.5 | 92 |
| 96 | | | | | | | | | | 79.9 | 79.1 | 77.8 | 76.1 | 96 |
| 100 | | | | | | | | | | | 71.8 | 70.2 | 69.2 | 100 |
| 104 | | | | | | | | | | | | 64.0 | 63.4 | 104 |
| 108 | | | | | | | | | | | | 57.9 | 57.4 | 108 |
| 112 | | | | | | | | | | | | | 52.2 | 112 |

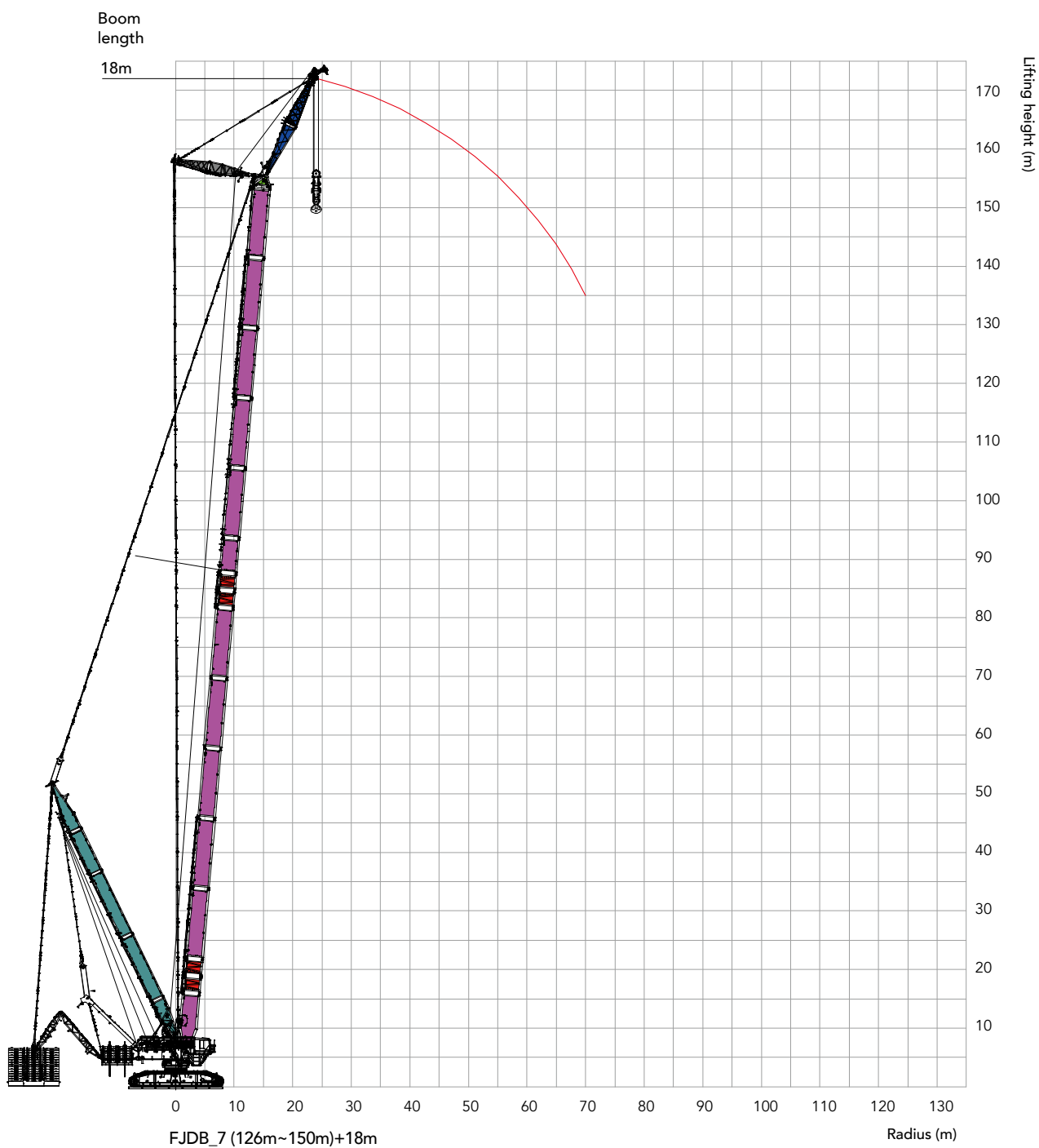
Load chart of LJDB configuration

| LJDB configuration (boom length 96m) | | | | | | | | | | | | | | |
|----------------------------------------------------------------------------------------|----------------|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|---------------|
| Boom angle 85°, superlift radius 30m, superlift CW 1160t, rear CW 340t, carbody CW 89t | | | | | | | | | | | | | | |
| Radius (m) | Jib length (m) | | | | | | | | | | | | | Radius (m) |
| | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | 102 | 108 | |
| 24 | 447 | 407 | | | | | | | | | | | | 24 |
| 26 | 437 | 400 | 361 | | | | | | | | | | | 26 |
| 28 | 426 | 392 | 355 | 322 | | | | | | | | | | 28 |
| 30 | 414 | 382 | 348 | 317 | 286 | | | | | | | | | 30 |
| 32 | 402 | 373 | 341 | 312 | 282 | 255 | 228 | | | | | | | 32 |
| 34 | 386 | 363 | 333 | 306 | 278 | 252 | 226 | 202 | | | | | | 34 |
| 36 | 361 | 347 | 325 | 300 | 273 | 249 | 224 | 201 | 179 | | | | | 36 |
| 38 | 339 | 328 | 315 | 293 | 268 | 245 | 221 | 199 | 178 | 156 | 138 | | | 38 |
| 40 | 319 | 309 | 297 | 286 | 263 | 241 | 218 | 197 | 176 | 155 | 137 | 118 | | 40 |
| 44 | 279 | 272 | 265 | 256 | 247 | 232 | 211 | 191 | 172 | 153 | 135 | 117 | 102 | 44 |
| 48 | | 241 | 235 | 230 | 222 | 215 | 203 | 185 | 167 | 150 | 132 | 115 | 100 | 48 |
| 52 | | 214 | 209 | 205 | 199 | 195 | 188 | 179 | 162 | 146 | 130 | 113 | 98.9 | 52 |
| 56 | | | 185 | 183 | 179 | 176 | 171 | 167 | 156 | 141 | 126 | 110 | 96.7 | 56 |
| 60 | | | | 163 | 160 | 158 | 154 | 152 | 146 | 136 | 122 | 107 | 94.1 | 60 |
| 64 | | | | | 143 | 142 | 139 | 137 | 133 | 128 | 118 | 104 | 91.2 | 64 |
| 68 | | | | | 129 | 127 | 124 | 124 | 120 | 116 | 111 | 100 | 88.4 | 68 |
| 72 | | | | | | 114 | 112 | 111 | 108 | 106 | 101 | 97.4 | 85.2 | 72 |
| 76 | | | | | | | 101 | 100 | 98.4 | 97.0 | 92.8 | 91.2 | 81.9 | 76 |
| 80 | | | | | | | 91.2 | 91.0 | 89.0 | 87.9 | 84.4 | 82.5 | 78.7 | 80 |
| 84 | | | | | | | | 81.6 | 79.9 | 79.6 | 76.7 | 75.5 | 72.5 | 84 |
| 88 | | | | | | | | | 72.8 | 71.6 | 69.2 | 68.6 | 65.4 | 88 |
| 92 | | | | | | | | | 65.3 | 64.8 | 63.2 | 62.0 | 59.4 | 92 |
| 96 | | | | | | | | | | 58.6 | 56.8 | 56.0 | 53.8 | 96 |
| 100 | | | | | | | | | | | 51.6 | 50.3 | 48.3 | 100 |
| 104 | | | | | | | | | | | 46.1 | 45.0 | 43.4 | 104 |
| 108 | | | | | | | | | | | | 40.8 | 39.4 | 108 |
| 112 | | | | | | | | | | | | | 35.0 | 112 |

Load chart of LJDB configuration

| LJDB configuration (boom length 108m) | | | | | | | | | | | | | | |
|----------------------------------------------------------------------------------------|----------------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|---------------|
| Boom angle 85°, superlift radius 30m, superlift CW 1160t, rear CW 340t, carbody CW 89t | | | | | | | | | | | | | | |
| Radius (m) | Jib length (m) | | | | | | | | | | | | | Radius (m) |
| | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | 102 | 108 | |
| 24 | 353 | | | | | | | | | | | | | 24 |
| 26 | 345 | 315 | | | | | | | | | | | | 26 |
| 28 | 336 | 309 | 279 | | | | | | | | | | | 28 |
| 30 | 327 | 302 | 274 | 250 | 224 | | | | | | | | | 30 |
| 32 | 317 | 294 | 268 | 246 | 221 | 201 | | | | | | | | 32 |
| 34 | 308 | 286 | 262 | 241 | 218 | 198 | 176 | | | | | | | 34 |
| 36 | 298 | 278 | 255 | 236 | 214 | 195 | 174 | 156 | 138 | | | | | 36 |
| 38 | 290 | 270 | 249 | 231 | 209 | 192 | 171 | 155 | 137 | 120 | | | | 38 |
| 40 | 277 | 262 | 242 | 225 | 205 | 188 | 169 | 153 | 135 | 120 | 104 | | | 40 |
| 44 | 246 | 238 | 228 | 214 | 195 | 181 | 163 | 148 | 131 | 117 | 102 | 88.1 | 74.7 | 44 |
| 48 | | 211 | 204 | 198 | 185 | 172 | 156 | 142 | 127 | 114 | 99.7 | 86.2 | 73.3 | 48 |
| 52 | | 188 | 182 | 178 | 172 | 164 | 149 | 136 | 122 | 110 | 96.5 | 84.1 | 71.6 | 52 |
| 56 | | | 163 | 159 | 154 | 150 | 142 | 131 | 117 | 105 | 93.2 | 81.4 | 69.3 | 56 |
| 60 | | | | 143 | 138 | 136 | 131 | 125 | 112 | 101 | 89.4 | 78.3 | 66.7 | 60 |
| 64 | | | | 128 | 124 | 122 | 118 | 117 | 107 | 97.2 | 85.4 | 75.2 | 64.1 | 64 |
| 68 | | | | | 112 | 110 | 106 | 105 | 101 | 92.5 | 81.5 | 71.8 | 61.1 | 68 |
| 72 | | | | | | 99.3 | 96.0 | 95.3 | 91.9 | 88.1 | 77.4 | 68.3 | 58.1 | 72 |
| 76 | | | | | | 89.7 | 86.4 | 86.0 | 83.1 | 80.5 | 73.5 | 64.9 | 55.1 | 76 |
| 80 | | | | | | | 77.9 | 77.4 | 75.1 | 72.9 | 69.5 | 61.5 | 51.9 | 80 |
| 84 | | | | | | | | 69.3 | 67.5 | 65.7 | 63.2 | 58.0 | 48.8 | 84 |
| 88 | | | | | | | | 62.8 | 60.7 | 59.2 | 57.0 | 54.7 | 45.8 | 88 |
| 92 | | | | | | | | | 54.4 | 53.0 | 51.0 | 50.1 | 42.8 | 92 |
| 96 | | | | | | | | | | 48.2 | 45.7 | 44.9 | 39.8 | 96 |
| 100 | | | | | | | | | | | 41.3 | 40.1 | 37.0 | 100 |
| 104 | | | | | | | | | | | 36.8 | 35.7 | 33.6 | 104 |
| 108 | | | | | | | | | | | | 31.7 | 29.7 | 108 |
| 112 | | | | | | | | | | | | | 26.1 | 112 |
| 116 | | | | | | | | | | | | | 22.9 | 116 |

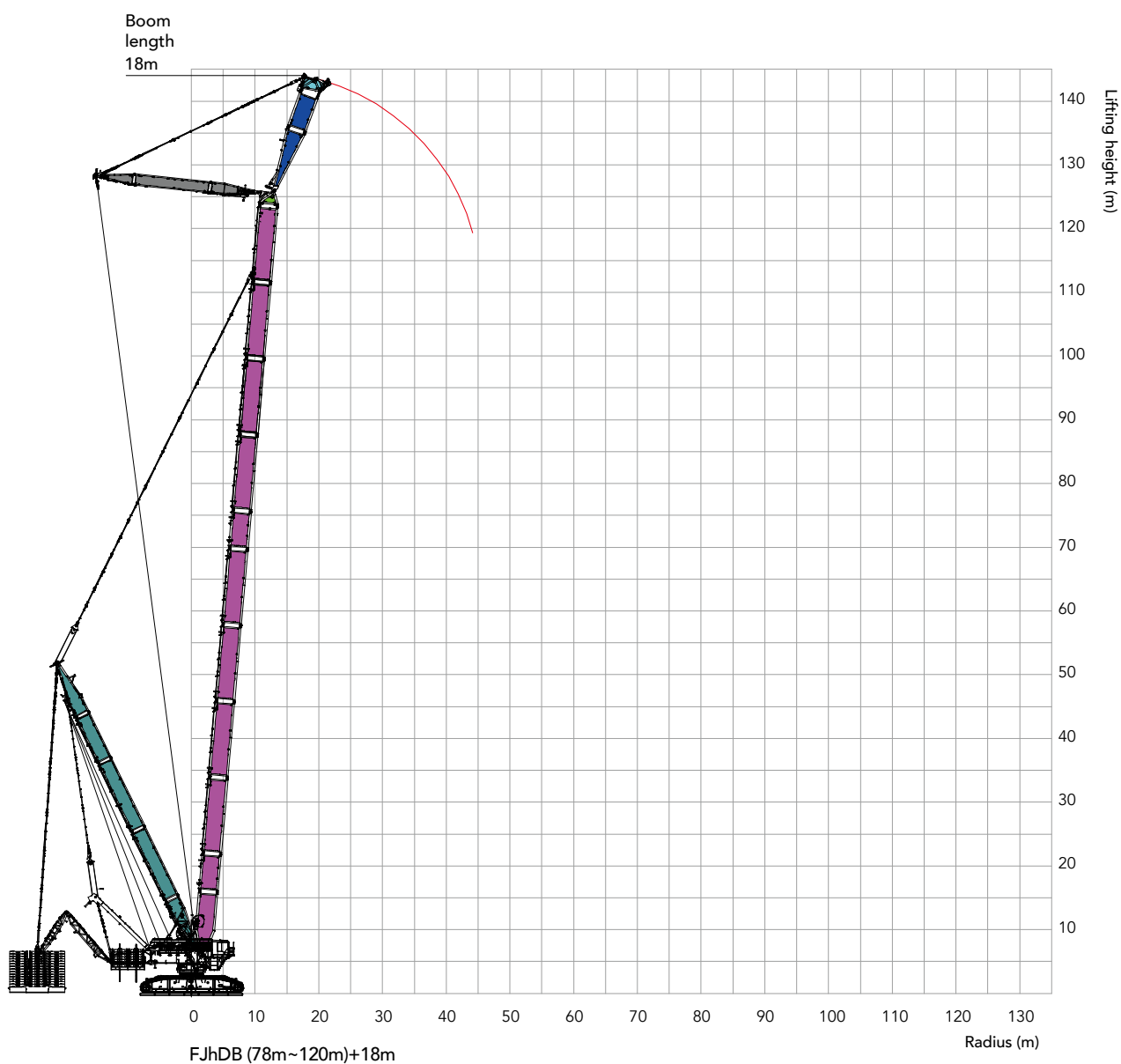
Working range of FJDB_7



Load chart of FJDB_7 configuration

| FJDB_7 configuration | | | | | | |
|------------------------------------------------------------------------|----------------|------|------|------|------|---------------|
| Superlift radius 30m, superlift CW 1160t, rear CW 340t, carbody CW 89t | | | | | | |
| Radius (m) | Boom length(m) | | | | | Radius (m) |
| | 126 | 132 | 138 | 144 | 150 | |
| 24 | 400 | | | | | 24 |
| 26 | 400 | 400 | 400 | 400 | | 26 |
| 28 | 400 | 400 | 400 | 400 | 400 | 28 |
| 30 | 400 | 400 | 400 | 400 | 400 | 30 |
| 32 | 400 | 400 | 400 | 400 | 400 | 32 |
| 34 | 400 | 400 | 400 | 400 | 400 | 34 |
| 36 | 400 | 400 | 400 | 400 | 400 | 36 |
| 38 | 400 | 400 | 400 | 400 | 400 | 38 |
| 40 | 400 | 400 | 400 | 400 | 400 | 40 |
| 44 | 400 | 400 | 400 | 400 | 400 | 44 |
| 48 | 400 | 400 | 400 | 400 | 400 | 48 |
| 52 | 400 | 400 | 400 | 400 | 384 | 52 |
| 56 | 400 | 400 | 400 | 393 | 361 | 56 |
| 60 | 397 | 385 | 374 | 361 | 342 | 60 |
| 64 | 367 | 356 | 345 | 334 | 323 | 64 |
| 68 | 340 | 329 | 320 | 309 | 299 | 68 |
| 72 | 337 | 306 | 297 | 287 | 277 | 72 |
| 76 | 314 | 305 | 296 | 266 | 257 | 76 |
| 80 | 292 | 284 | 276 | 267 | 239 | 80 |
| 84 | 271 | 264 | 257 | 249 | 241 | 84 |
| 88 | 253 | 246 | 240 | 232 | 224 | 88 |
| 92 | 254 | 229 | 223 | 216 | 209 | 92 |
| 96 | 237 | 232 | 208 | 201 | 195 | 96 |
| 100 | 220 | 216 | 211 | 187 | 181 | 100 |
| 104 | 204 | 200 | 197 | 191 | 168 | 104 |
| 108 | 207 | 186 | 183 | 178 | 173 | 108 |
| 112 | 191 | 190 | 169 | 165 | 161 | 112 |
| 116 | 176 | 175 | 174 | 153 | 149 | 116 |
| 120 | 172 | 162 | 161 | 141 | 138 | 120 |
| 124 | 161 | 148 | 148 | 145 | 127 | 124 |
| 128 | 148 | 147 | 135 | 134 | 132 | 128 |
| 132 | 140 | 137 | 134 | 122 | 121 | 132 |
| 136 | 131 | 128 | 125 | 122 | 110 | 136 |
| 140 | 120 | 119 | 113 | 113 | 100 | 140 |
| 144 | 93.0 | 110 | 108 | 103 | 101 | 144 |
| 148 | | 93.2 | 99.9 | 96.7 | 93.4 | 148 |
| 152 | | | 90.2 | 88.9 | 82.1 | 152 |
| 156 | | | 65.8 | 81.4 | 79.0 | 156 |
| 160 | | | | 65.4 | 71.6 | 160 |
| 164 | | | | | 62.3 | 164 |

Working range of FJhDB



Load chart of FJhDB configuration

| FJhDB configuration | | | | | | | | | |
|------------------------------------------------------------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|---------------|
| Superlift radius 30m, superlift CW 1160t, rear CW 340t, carbody CW 89t | | | | | | | | | |
| Radius (m) | Boom length (m) | | | | | | | | Radius (m) |
| | 78 | 84 | 90 | 96 | 102 | 108 | 114 | 120 | |
| 22 | 823 | 725 | 647 | | | | | | 22 |
| 24 | 832 | 734 | 651 | 580 | 521 | | | | 24 |
| 26 | 845 | 738 | 658 | 586 | 522 | 466 | 418 | 376 | 26 |
| 28 | 856 | 745 | 660 | 587 | 527 | 470 | 421 | 376 | 28 |
| 30 | 866 | 751 | 665 | 592 | 527 | 470 | 424 | 378 | 30 |
| 32 | 876 | 752 | 670 | 596 | 531 | 473 | 424 | 380 | 32 |
| 34 | 884 | 761 | 674 | 596 | 534 | 475 | 426 | 382 | 34 |
| 36 | 863 | 765 | 677 | 599 | 536 | 477 | 427 | 383 | 36 |
| 38 | 853 | 768 | 680 | 603 | 538 | 479 | 429 | 384 | 38 |
| 40 | 803 | 749 | 683 | 605 | 540 | 481 | 430 | 385 | 40 |
| 44 | 714 | 706 | 655 | 612 | 543 | 483 | 432 | 386 | 44 |
| 48 | 639 | 634 | 624 | 578 | 545 | 487 | 433 | 385 | 48 |
| 52 | 610 | 573 | 565 | 556 | 512 | 488 | 435 | 380 | 52 |
| 56 | 550 | 551 | 514 | 507 | 496 | 455 | 430 | 377 | 56 |
| 60 | 498 | 501 | 468 | 463 | 454 | 444 | 406 | 372 | 60 |
| 64 | 481 | 456 | 455 | 424 | 417 | 408 | 398 | 362 | 64 |
| 68 | 436 | 415 | 416 | 415 | 383 | 376 | 367 | 357 | 68 |
| 72 | 395 | 405 | 381 | 381 | 377 | 347 | 339 | 330 | 72 |
| 76 | 382 | 368 | 374 | 350 | 347 | 343 | 313 | 305 | 76 |
| 80 | 346 | 353 | 342 | 345 | 320 | 317 | 311 | 282 | 80 |
| 84 | 331 | 327 | 311 | 317 | 294 | 292 | 288 | 261 | 84 |
| 88 | 297 | 294 | 302 | 290 | 292 | 269 | 266 | 261 | 88 |
| 92 | 271 | 285 | 277 | 279 | 268 | 269 | 245 | 241 | 92 |
| 96 | 219 | 265 | 263 | 260 | 244 | 247 | 246 | 223 | 96 |
| 100 | | 224 | 241 | 235 | 239 | 226 | 227 | 205 | 100 |
| 104 | | | 220 | 226 | 220 | 220 | 208 | 207 | 104 |
| 108 | | | 177 | 211 | 208 | 205 | 201 | 190 | 108 |
| 112 | | | | 180 | 192 | 185 | 187 | 173 | 112 |
| 116 | | | | | 175 | 178 | 171 | 170 | 116 |
| 120 | | | | | 138 | 165 | 162 | 158 | 120 |
| 124 | | | | | | 140 | 150 | 147 | 124 |
| 128 | | | | | | | 135 | 136 | 128 |
| 132 | | | | | | | 103 | 125 | 132 |
| 136 | | | | | | | | 103 | 136 |



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