Construction Equipment & Engineering

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# XGC350
# Lattice Crawler Crane

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# XGC350 CRAWLER CRANE

# Technical Features

## Technical Features

Max. rated lifting capacity 350t, max. load moment 2400t.m. There are 17 working conditions in 5 categories, including boom working condition, light boom working condition, tower jib working condition, fixed jib working condition and TBM working condition. The lifting capacity for medium and long boom is particularly strong. It is excellent in quality and reasonable in price.

Max. boom length is 96m, max. light boom length is 115.5m, max. tower jib length is 66m, fixed jib is shared with TBM jib and the max. length is 12m. Main boom and tower jib can be equipped with a single top unit, with strong adaptability to working conditions. Super-long boom and jib combination provides higher lifting height and wider working range. Make sure the crane is fully used.

## Reliable and advanced safety security

Low center-of-gravity chassis, high-strength material welded structural parts and modular components are used to ensure the firmness and stability of basic crane.

Large-diameter slewing bearing is from well known brands, with stable and reliable quality, sufficient bearing capacity and long service life.

Lattice boom is made of high strength steel pipe, with large cross section, big pipe diameter and thin wall thickness, combined with single/double center hitch and cross-winded wire rope, the operation capacity is maximized.

Large-torque modular winch, high tensile wire rope, large single line pull and less parts of line, the working efficiency is very high.

Large-capacity hydraulic oil tank, aluminum oil radiator, the oil temperature rises slowly with good heat dissipation effect, which effectively extends the service life of hydraulic seals.

Large-capacity diesel tank with additional fuel tank, sufficient oil reserve, long standby time, less refilling times and short auxiliary time.

Large-power engine, in compliance with non-road stage III emission stand, strong power reserve, environment friendly and energy saving. Pre-heater is equipped for the operation in the temperature below -20℃.

Hirschmann LMI control system, with lightning protection and anti-interference function, it can be used for sustainable high-intensity work in harsh environment.

Hydraulic pump, motor, main valve and other key components used for this crane are with well-known brands at home and abroad, which guarantees the reliable operation of the system.

The motor speed is directly adjusted by main pump, with less heat and gentle action. The system is stable, simple and reliable.

Self-lubrication and maintenance-free track roller, wear-resistant nylon pulley and humanized walking surface make the crane more perfect.

## Barrier-free global transportation

To meet the requirements of worldwide road laws and regulations, the max. weight of a single unit in transport state is 37.5t, the transport width is 3.0m and the height is 3.3m. This meets stringent road transport standards, it not only make the customers free from the trouble of higher transport standards in future, but also reduce the cost of operation and site transfer.

Modular transport concept is adopted, which not only include transporting pendant with boom and jib sections, and pushing boom insert, tower jib insert and fixed jib insert into each other for transportation, but also include the integrated transportation of tower jib triplet and fixed jib 9m section.

## Convenient and efficient disassembly

Counterweight self-assembly/disassembly function, counterweight optimization, the counterweight is small in size and less in quantity, which not only reduce the lifting times, but also make it easy to install.

Safe and reliable mast raising mechanism, the mast can be raised and lowered quickly and conveniently, short assembly/disassembly time and high working efficiency.

Mast crane is used to realize the assembly and disassembly of crawler track, the connection and disconnection of boom and jib, and the hoisting of small pieces.

Main parts of the crane (for example: car-body and track beam, boom and turntable) are connected with power pin, easy disassembly and low labor intensity.

## Elaborate integration of structural parts

To reduce the purchase cost, the function and quantity of the crane parts are integrated and optimized reasonably after careful investigation. For example, auxiliary hoist winch can be used as jib luffing winch in tower jib working condition; boom connection section can be used in boom, tower jib, fixed jib and TBM working conditions; boom tapered section can be used in boom and light boom working conditions; tower jib top and tower jib insert can be used as light boom sections; boom pendant, tower jib pendant and fixed jib pendant are generally integrated.

## Beautiful and comfortable operator's cab

Fully closed operator' cab is designed according to ergonomic principle, with XCMG features, smooth appearance and broad vision, it is beautiful and comfortable.

The cab is equipped with tempered safety glass, intermittent wiper, cleaning nozzle, sun shade curtain, rubber pad, headrest, armrest, adjustable seat, air conditioning and so on.

## Wide application

It belongs to middle tonnage crawler crane, which is widely used in the following fields:

Traffic infrastructure construction: subway, high-speed rail, road, bridge.

Urban building construction: municipal work, workshop, building, stadium.

Energy equipment installation: petrochemical work, oil refining, metallurgy, coal.

Large parts lifting and transportation: steel mill, quay, wharf, port.

Power construction industry: wind power, nuclear power, thermal power, hydropower.

## Customized working conditions

It meets the specific requirements of small radius, high position and large lifting capacity. It can be used for the lifting of tower, tank, kettle, vessel, pipeline and etc. in petrochemical industry; it can also be used for the lifting and maintenance of 1.5MW wind power equipment. For example, in 96m boom working condition, the lifting capacity is 82.0t at the radius of 12m, and the lifting height is 92m. In H84+F12 fixed jib working condition, the lifting capacity is 77.6t at the radius of 14m, and the lifting height is 92m.

Special design of TBM jib working condition can realize the shield lifting without the purchase of special accessories. The two hook blocks can be used at the same time to lift and turn over the shield equipment with 6m ~ 12m diameter. For example, in HB24+F9 TBM working condition, the load capacity of boom main hook in independent lifting is 300t, the load capacity of jib aux. hook in independent lifting is 150t, the total load capacity of the combined lifting of main and aux. hooks is 221.7t.

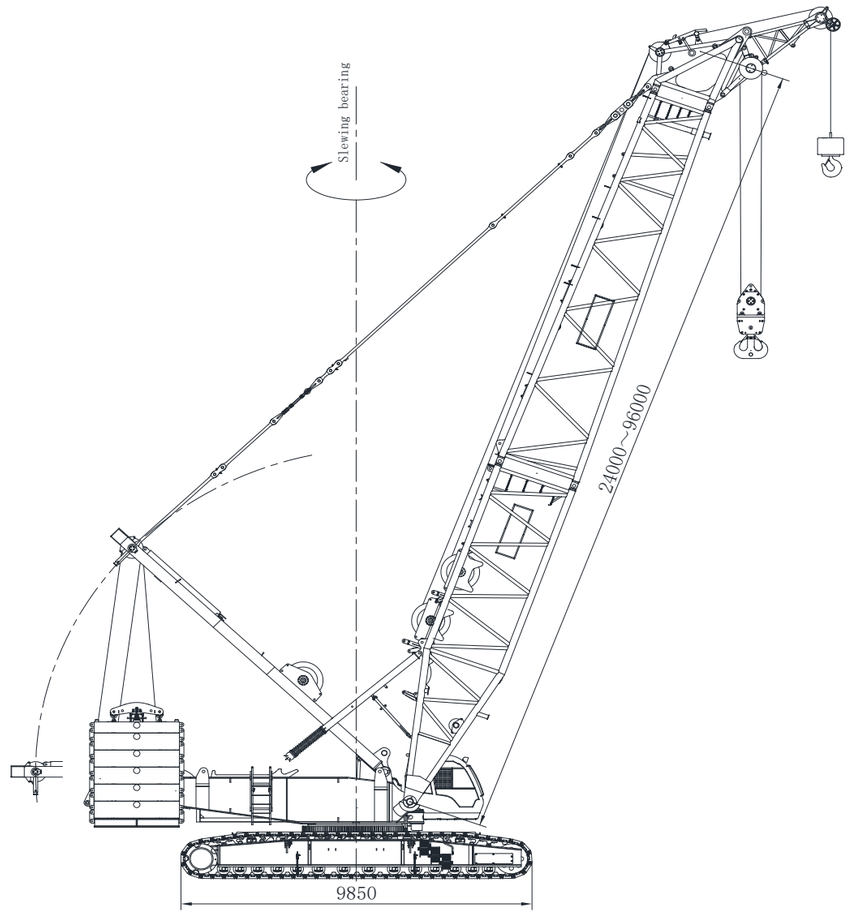
## Slewing unit

Main hook and auxiliary hook can be used alternately without the use of auxiliary crane. Tail dragging operation is achieved by using one crane, which facilitate the rotation and erection of steel reinforcement cage during bridge construction, with less equipment, small space occupation and high work efficiency. In fixed jib working condition with boom main hook and fixed jib aux. hook, if the two hook blocks are used alternatively, this crane can be used to rotate and erect the steel reinforcement cage whose weight is not higher the lifting capacity of the aux. hook. In HB84+F12_10 ° fixed jib working condition, the load capacity of boom main hook in independent lifting is 102.2t, the load capacity of fixed jib aux. hook in independent lifting is 44t.

Long boom configuration in tower jib working condition meets the construction demand of steel structure workshop. For the first time in China, in tower jib working condition, tower jib single top is configured when boom main hook is used for load lifting. For example, in HWS54m+42m tower jib working condition, the load capacity of tower jib main hook is 56.7, the load capacity of tower jib single top the third hook is 16t.

Fully considering of the economic purchase and transfer cost, load charts based on different counterweight combinations are provided to enrich the working conditions for users. For example: for large parts transfer in shipyard, wharf and port, to give full play to the crane’s travel-with-load ability and lower fuel consumption, 90t turntable counterweight and 50t car-body counterweight can be used.

## Outline Dimension




XGC350 crawler crane outline dimension

## Technical Parameters

| Item | | Unit | Data |
|---|---|---|---|
| Max. lifting capacity | Boom working condition | t | 350 |
| | Light boom working condition | t | 100 |
| | Tower jib working condition | t | 148 |
| | Fixed jib working condition | t | 145 |
| | TBM jib working condition (combined lifting of main and aux. hooks) | t | 221.7 |
| Max. load moment | | t.m | 2400 |
| Dimension | Boom length | m | 24 ~ 66( optional 96 ) |
| | Light boom length | m | 73.5 ~ 97.5( optional 115.5 ) |
| | Tower jib length | m | 24 ~ 42( optional 66 ) |
| | Fixed jib length (optional) | m | 9( optional 12 ) |
| Speed | Hoist winch max. single line speed | m/min | 120 |
| | Boom luffing winch max. single line speed | m/min | 2×42 |
| | Tower jib luffing winch max. single line speed | m/min | 120 |
| | Max. slewing speed | rpm | 1.0 |
| | Max. travel speed | km/h | 1.0 |
| Engine | Rated power | kW | 338 |
| | Emission standard | – | Non-road China III |
| Gross vehicle mass (24m main boom, 260t hook, counterweight 90t+50t) | | t | 280 |
| Mean ground pressure | | MPa | 0.153 |
| Grade ability | | – | 30% |
| Max. mass of single unit in transport state | | t | 37.5 |
| Max. dimension of single unit in transport state (L×W×H) | | m | 11.50×3.00×3.30 |
| Hook block configuration | | t | 260t、160t、16t |

Note:
1.Single line speed is the calculated value of the rope on the drum most outside layer with engine idle running, which changes according to different load and working conditions.
2.Travel speed, grade ability, mean ground pressure, slewing speed are the theoretical values for the crane based on level and solid ground.
3.The data in this table is based on 135t turntable counterweight and 50t car-body counterweight.
4.We reserve the right to improve and update the technical specifications without prior notice.
5.Recommended crane configuration: 66m boom + 42m tower jib, with boom single top, 97.5m light boom, 130t turntable counterweight, 50t car-body counterweight.



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# XGC350 CRAWLER CRANE

## Crane Superstructure

### Engine

Weichai diesel engine, in-line and water-cooled, turbocharged, electronic injection, engine model WP12G460E300, rated power 338kV, rated speed 1900rpm, it is in compliance with non-road China III emission standard.

Fuel tank capacity: 750L (optional configuration 1100L).

### Control System

Intelligent computer integrated programming control system, PLC programmable controller, with combination of conventional electrics to realize logic control and hydraulic proportional control of the system, thus to realize the intelligent control of the crane; CAN-Bus is used for data transmission between controller, display, engine and LMI, which greatly improves the safety, reliability and efficiency for crane operation. Working parameters of the crane is shown by a large computer screen, and easy for man-machine interaction.

### Hydraulic System

Hydraulic system is composed of main oil circuit, control oil circuit and auxiliary oil circuit. It uses hydraulic proportional pilot control to realize load-independent flow distribution, with features of precise speed, stable system, sensitive operation and good fine motion performance.
Hydraulic systems of main winch I, aux. winch, main winch II (optional), boom luffing and travel are all open type. Main winch I, aux. winch and main winch II have double pump confluence function.
Hydraulic system for slewing operation is closed type, it can realize stable transmission without impact without the use of balance valve and reversing valve.
Hydraulic pump: variable piston pump.
Main control valve: pilot hydraulic proportional control valve.
Main circuit control: constant-power valve control system.
Auxiliary mechanism control system: solenoid multi-way valve group.
Outrigger control: solenoid multi-way valve group operated by electric control box.
Oil return filter: pilot circuit fine filter.
Cooler: aluminum radiator driven by hydraulic motor.
Outrigger control: solenoid multi-way valve group operated by electric control box.
Relief valve: Prevents the system from being overloaded.
Hydraulic system pressure: 35MPa.
Hydraulic oil tank capacity: 950L.

### Hoist Winch

Hoist winch consists of main hoist winch I, aux. hoist winch and main hoist winch II (optional), they are installed on boom butt, near the root.
Hoist winch drives planetary reducer through variable motor. The lifting and lowering of main and aux. hooks is realized through drum and luffing pulley block. The raising and lowering speed of main hoist winch I, aux. hoist winch and main hoist winch II (optional) is realized through the oil supply with two pumps.
Hoist winch has built-in planetary reducer, it uses multi-disc and normally-closed wet brake to realize “spring brake/hydraulic release” function.
The ductile iron winch drum is with good vibration absorption. Double-line rope groove ensures that there is no messy rope when it is reeved in multiple layers, which effectively prolong the rope’s service life.
The anti-rotation wire rope used for main hoist winch I is left-handed rotation and twist in the same direction. It has the features of independent steel core, high breaking force and high extrusion resistance, rated single line pull 17.2t, rope diameter 28mm, rope length 730m.
The rope used for aux. hoist winch is rotation resistance. It has the features of independent steel core, high breaking force and high extrusion resistance, rated single line pull 15.0t, rope diameter 26mm, rope length 450m.
The anti-rotation wire rope used for main hoist winch II is left-handed rotation and twist in the same direction. It has the features of independent steel core, high breaking force and high extrusion resistance, rated single line pull 17.2t, rope diameter 28mm, rope length 360m.

### Luffing Winch

Luffing winch consists of boom luffing winch and tower jib luffing winch.
Boom luffing drives planetary gear reducer through fixed hydraulic motor, it uses drum and luffing pulley block to achieve boom luffing and change the luffing speed through the oil supply with two pumps.
Boom luffing winch has built-in planetary reducer, it uses multi-disc and normally-closed wet brake to realize “spring brake/hydraulic release” function.
The ductile iron double drum is with good vibration absorption. Ddouble-line rope groove ensure that there is no messy rope when it is reeved in multiple layers, which effectively prolong the rope’s service life. Boom luffing winch is driven by a drum with double motor, double reducer and double rope releasing structure. The middle section of the drum is equipped with a cast ratchet. The ratchet is driven by hydraulic cylinder to achieve multiple lock protection.
The wire rope used for boom luffing winch is left-handed rotation and twist in different direction, without rotation resistance function. It has the features of independent steel core, high breaking force and good structure stability, rope diameter 26mm, rope length 370m.

### Slewing gear

Slewing gear and slewing ring are externally meshed for drive, it is arranged in left front part of turntable. The planetary reducer is driven by motor to drive the slewing ring to achieve 360° rotation.
Slewing gear has a built-in planetary reducer, with multi-disc and normally-closed wet brake to achieve “spring braking/hydraulic release” function, so as to ensure the high brake safety of the slewing movement. The slewing gear also has a mechanical locking device to provide protection when it is locked.
Slewing gear also has free-swing function. When lifting heavy load, even if the hook is not at the vertical center line of the load center of gravity, the side force of boom can also be eliminated to prevent boom from being damaged by excessive lateral force.
Max. slewing speed: 1.0rpm.

### Slewing Ring

Strengthened 3-row roller type slewing ring with large-diameter track, it has the features of strong bearing capacity, large reserve coefficient, long service life, stable quality and high transmission precision and easy maintenance.

## Counterweight

It is composed of car-body counterweight and turntable counterweight.
Car-body counterweight is 50t, installed at front and rear of crawler frame. The composition is as follows:
Car-body counterweight 2× 15t.
Car-body counterweight 2× 10t.
Mast crane is used to realize the self-assembly and disassembly of car-body counterweight.
Turntable counterweight is 130t (optional configuration: 135t), installed at the rear of turntable. The composition is as follows:
Turntable counterweight tray 1×20t.
Turntable counterweight block 10×10t.
Turntable counterweight block 2×5t.
Turntable counterweight block (optional) 2×2.5t.
Turntable counterweight can be equipped with a lifting device to realize the self-assembly and disassembly.

## Operator's Cab

Leopard-shaped fully enclosed operator' cab is designed according to ergonomic principle and integrated with XCMG elements. It is novel and beautiful in appearance, with smooth shape, broad vision and comfortable operation.
The cab is equipped with adjustable seat, instrument, control devices, air conditioning equipment, audio, fire extinguisher and closed monitoring system. During operation, the cab can tilted upward for 20 ° to enlarge the field of vision and facilitate operation; during transportation, the cab can be rotated 90 ° to the front of turntable to reduce the transport width.

## Turntable

Turntable is the key load bearing structure to connect crane superstructure and undercarriage. It is made of high-strength steel plate and welded in "I" beam structure at both sides. The turntable is connected with chassis by slewing ring, with good overall strength and stability. Cab, main luffing winch, engine system, main pump, hydraulic valve, cabinet, mast, boom butt and superstructure counterweight are respectively connected with different parts of turntable. Reserved superlift interface on turntable is also available according to customer's need.

## Mast

Mast is a box-type two-limb structure, with strengthened beam between two limbs for good stability. Mast can be equipped with an optional superlift interface.
Mast raising cylinder can rotate around the hinge point between the cylinder and turntable to realize mast raising and lowering.
Mast crane self-assembly and disassembly cylinder is also equipped on mast to disassemble the large structural parts of the crane, such as boom, crawler track, boom butt and counterweight.
Mast length 9.75m.

## Crane Undercarriage

Undercarriage includes car-body, outrigger, track frame and car-body counterweight. Car-body and track frame are connected by power pins driven by hydraulic cylinder; car-body counterweight is installed at the front and rear of track frame; four outriggers and cylinders are installed at the front and rear of car-body.
Car-body and slewing ring are connected to the fixing hole and the central rotary joint fixing frame, to fix the central rotary joint.

## Car-body

Car-body is made of high-strength steel plate and welded in box-type radial structure, which can ensure the correct installation of the slewing bearing surface and the slewing bearing. Car-body has good rigidity, high strength and high precision. In order to fix the crawler frame on car-body, hydraulic power pin is used to make sure that the four cushion blocks on car-body are correctly connected to track frame.
Car-body accessories include outriggers (includes outrigger pad) and jacking cylinders, which is applicable to transport vehicles with a height of 1.2m. Car-body is articulated to car-body outside by pin shaft for assembly and disassembly of the crane, so that the crawler frame can be assembled and dismantled easily.

## Track Frame

It is divided into left and right track frames, include track frame structure, track shoe, track roller, drive sprocket, guide roller, carrier roller, travel device and tension device.
Track frame: symmetrically arranged, one for each side, it is made of high-strength steel plate and welded in box-type structure, and a parallel iron is set for car-body to play a role of guide and wear resistance.
Drive roller: High strength wear resistant heat treatment alloy steel casting, roller diameter 900mm, total 2×1=2 pieces. Drive sprocket is connected on planetary reducer housing with high-strength bolts. It is part of the built-in hydraulic traction motor. The rotating part and the non-rotating part of the motor adopt floating seal.
Track roller: High strength wear resistant heat treatment alloy steel casting, roller diameter 360mm, total 2×14=28 pieces (or 2×15=30 pieces). The track roller adopts double-flange design, with built-in floating seals, maintenance free.
Tension roller: High strength wear resistant heat treatment alloy steel casting, roller diameter 900mm, total 2×1=2 pieces. The roller is installed with copper bushing, with excellent lubrication and wear resistance. The crawler tightness is adjusted through hydraulic jacks and the use of adjusting shims, so as to keep the track in best state.
Carrier roller: High strength wear resistant heat treatment alloy steel casting, roller diameter 280mm, total 2×2=4 pieces. The rollers have built-in floating seals, maintenance free.
Track shoe: track shoe width 1200mm, total 2×64=128 pieces. High strength wear resistant heat treatment alloy steel casting, the inside is hollow but with rib, self-cleaning. The connection between the track shoes is realized through floating pins.
The track frame can be assembled and disassembled by mast crane.

# Brief Introduction

## Travel Gear

The travel gear is driven by bidirectional plunger motor and fixed on the housing of travel reducer by bolts. The drive sprocket drives crawler shoe to realize straight travel, steering in position, steering at one side, differential steering and travel with load, with extremely high flexibility and maneuverability.
The travel gear has built-in planetary reducer, with multi-disc and normally-closed wet brake to achieve "spring braking/hydraulic release" function, which ensures high braking safety even if the pressure in the hydraulic circuit is reduced.
Variable pump and motor drive can realize infinitely variable speed, with strong traction. In boom working condition, the crane can travel in straight line with 100% load and turn with 70% load; in tower jib and fixed jib working conditions, the crane can turn with 50% load.
Max. travel speed: 1.0km/h.
Grade ability: 30%.

## Lifting Operation Parts

Lifting boom is a four-chord lattice structure with equal section in the middle and variable section at both ends. It is made of high-strength steel plate and uses large section, large pipe diameter, thin wall and high strength seamless pipe as main chords and lacing members. Through the accurate analysis and calculation of single and double center hitch, boom length of this crane has been dramatically increased, the potential of boom section has been fully developed and the lifting capacity has been greatly improved.
Lifting boom includes main boom, tower jib, fixed jib, boom single top, tower jib single top, fixed jib single top and boom pendant. This crane provides 17 working conditions in 5 categories; the five categories are boom working condition, tower jib working condition, light boom working condition, fixed jib working condition and TBM working condition.

## Boom

There are 3 boom working conditions. Boom length for standard configuration is 24m~66m, and the maximum optional boom length is 96m.
Boom (96m) composition:
Boom butt 1 × 10.5m
Boom tapered section 1 × 12m
Boom connection section 1 × 1.5m
300t boom head sheave block one piece
Boom insert 2 × 6m
Boom insert 3 × 12mA
Boom insert 2 × 12mB
Boom single top one piece

## Light Boom

Light boom working condition is the combination of boom sections and tower jib sections. Except for boom and tower jib working conditions, no other special boom or jib sections are required to buy.
There are 3 light boom working conditions, and the maximum optional light boom length is 115.5m.
Light boom (115.5m) composition:
Boom butt 1 × 10.5m
Boom tapered section 1 × 12m
Tower jib top 1 × 9m
Boom insert 2 × 6m
Boom insert 3 × 12mA
Tower jib insert 1 × 6mA
Tower jib insert 1 × 6mB
Tower jib insert 2 × 12m
Tower jib guide pulley two pieces
Tower jib single top (option) one piece

## Tower Jib

There are 5 tower jib working conditions. Tower jib length for standard configuration is 24m~42m, and the maximum optional tower jib length is 66m.
Tower jib (66m) composition:
Tower jib butt 1 × 9m
Tower jib insert 1 × 6mA
Tower jib top 1 × 9m
Tower jib guide pulley two pieces
Tower jib front strut 1 × 9.5m
Tower jib rear strut 1 × 9.5m
Tower jib insert 1 × 6mB
Tower jib insert 3 × 12m
Tower jib single top (option) one piece

## Fixed Jib (optional)

There are 3 fixed jib working conditions. The recommended fixed jib length is 9m, and the maximum fixed jib length is 12m.
Fixed jib (16m) composition:
Fixed jib butt 1 × 4.5m
Fixed jib top 1 × 4.5m
Fixed jib insert 1 × 7m
Fixed jib insert 1 × 3m

## TBM jib (optional)

Fixed jib is used as TBM jib in TBM working condition, so this working condition can be realized without purchasing any special accessories.
There are 3 TBM working conditions. The recommended jib length is 9m, and the maximum jib length is 12m.
Fixed jib (12m) composition:
Fixed jib butt 1 × 4.5m
Fixed jib top 1 × 4.5m
Fixed jib insert 1 × 3m

## Hook Block

Hook block configuration is as the follows:

| Hook name | 260T | 160T | 16T |
|---|---|---|---|
| Weight (t) | 4.6 | 3.9 | 0.9 |
| Number of pulleys | 9 | 5 | – |

If there is any special requirements, please specify in the contract the optional selection of 300t, 200t, 130t, 100t, 80t, 50t hooks, etc. for customized supply.

## Safety Devices

This crane widely uses mechanical, electronic, hydraulic and other safety and warning devices to ensure the safe use.
The safety devices include: load moment limiter, slewing lock device, boom backstop device, hoist limit switch, boom angle limiter, anemometer, level gauge, camera, slewing warning, travel warning, hydraulic system relief valve, balance valve, hydraulic lock and etc.

## Mode Switch

Switch between assembly mode and working mode.
In Assembly mode, over-wind protection device, boom angle limiter and load moment limiter are all out of service, in order to facilitate crane assembly; in working mode, all safety devices are working normally.

# Brief Introduction

## Main Unloading Switch

When the operator leaves the seat, the unloading switch is opened and all movements are locked.

## Emergency Stop Button

Press this button in emergency condition to stop all crane movements.

## Safe Protection Switch

Safe protection switch is placed in front of the joystick. When the switch is not pressed, all crane movement signals have been shielded and the handle is useless. This switch can be used to prevent malfunction when operator accessing the cab and touching the joystick.

## Winch Over-wind Protection Device

There are over-wind protection devices on boom head, tower jib head, fixed jib head and single top unit to prevent rope from being over-wound. When the winch hoists up to a certain lifting height, the over-wound warning lamp on instrument panel lights up, at the same time, load moment limiter stops crane hoisting up movements.

## Winch Over-release Protection Device

Over-release protection is realized through the switch installed on drum. When there are only three loops of rope left, the display and buzzer will send sound and light alarm, at the same time, load moment limiter stops lowering down movements.

## Ratchet Locking Device

It is used to lock luffing winch, and it must be turned on when lowering boom, otherwise, boom cannot be lowered. This device is used to stow boom for safety when it is not in use. The locking will be shown on computer screen to indicate that the ratchet is locked.

## Mechanical Safety Device

Slewing locking device is used for the mechanical lock of crane superstructure when the crane stops; the backstop devices for boom, tower jib, fixed jib (TBM jib), tower jib rear strut and fixed jib rear strut are used to prevent the boom, jib and strut from tilting backward.

## Boom Angle Limit

When boom is raised to 85 ° , boom raising movement will be stopped by load moment limiter and hoist limit switch. When boom angle is less than 30 ° , boom lowering movement will be stopped by load moment limiter.
The hoist limit switch and load moment limiter may control tower jib upper and lower limit position.

## Hook Latch

All hook blocks are equipped with hook latch to prevent the hanging rope on hook head from falling.

## Hydraulic System

Hydraulic system is equipped with hydraulic balance valve, hydraulic relief valve, hydraulic two-way lock and other devices to ensure the stable and safe work of the system.

## Lightning Protection Device

It can effectively guarantee the safety of the equipment by enhancing the crane’s ability against lightning under thunderstorm weather.

## Rearview Mirror

It is located outside the operator’s cab, so that the driver can easily observe the situation behind the machine.

## GSP Monitoring System

It can realize GPS positioning and GPRS data transmission, with the functions of equipment status query, remote fault diagnosis and etc.

## Notes on Codes

| No. | Code | Description |
|---|---|---|
| Codes of boom/jib sections | | |
| 1 | H | Main boom |
| 2 | B | Boom sheave block |
| 3 | L | Light boom |
| 4 | F | ixed jib |
| 5 | W | Tower jib |
| 6 | S | Boom/jib single top |
| Codes of working conditions | | |
| 7 | HB(S) | Boom working condition |
| 8 | LB(S) | Light boom working condition |
| 9 | H(B)W(S) | Tower jib working condition |
| 10 | H(B)F | ixed jib working condition |
| 11 | TBF | TBM working condition |

Note: The codes in () represent different parts combinations for selection.

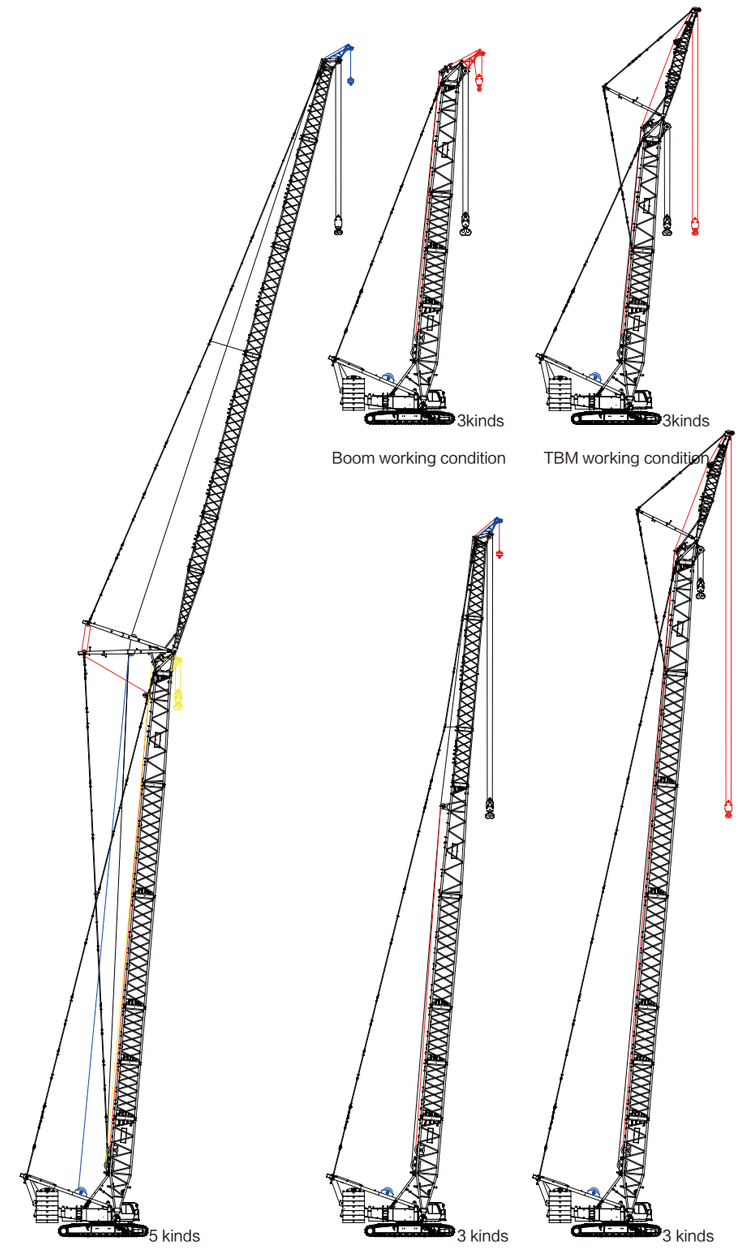


## Function of Mechanisms

| No. | Mechanism | Function | Position |
|---|---|---|---|
| 1 | Main hoist winch I | Used for main hook in HB/1, HBS/1, LB/1, LBS/1, HW/1, HWS/1, HBW/1, HF/1, HBF/1, and TBF/1work-ing conditions | Lower part of boom base, near the middle position |
| 2 | Main hoist winch II | Used for the third hook in HWS/3 and HBW/3 working conditions | Lower part of boom base, near the root position (option) |
| 3 | Aux. hoist winch | (1) Used for aux. hook in HBS/2, LBS/2, HFS/2, HBF/2 and TBF/2 working conditions<br>(2) Used for tower jib luffing in tower jib working condition | Lower part of boom base, near the f ront part |
| 4 | Main luffing winch | Boom luffing winch | Middle and rear part of turntable |
| 5 | Slewing gear | Superstructure slewing | Left front part of turntable |
| 6 | Travel gear | Crane travel | Crawler drive sprocket |

Note: In TBM working condition, main hoist winch I and aux. hoist winch can be used to realize the combined lifting operation with both main and aux. hook blocks. However, in other working conditions, only one hook can be used to ensure the safety of crane operation, it is strictly prohibited to use the two hooks at the same time to avoid danger.

## Working Condition Diagram




Boom working condition | TBM working condition

Tower jib working condition | Light boom working condition | Fixed jib working condition

Boom combinations in different working conditions

## Notes on Working Conditions

For this crane, there are 17 working conditions according to different hoist mechanisms, working equipments, hooks and boom positions.

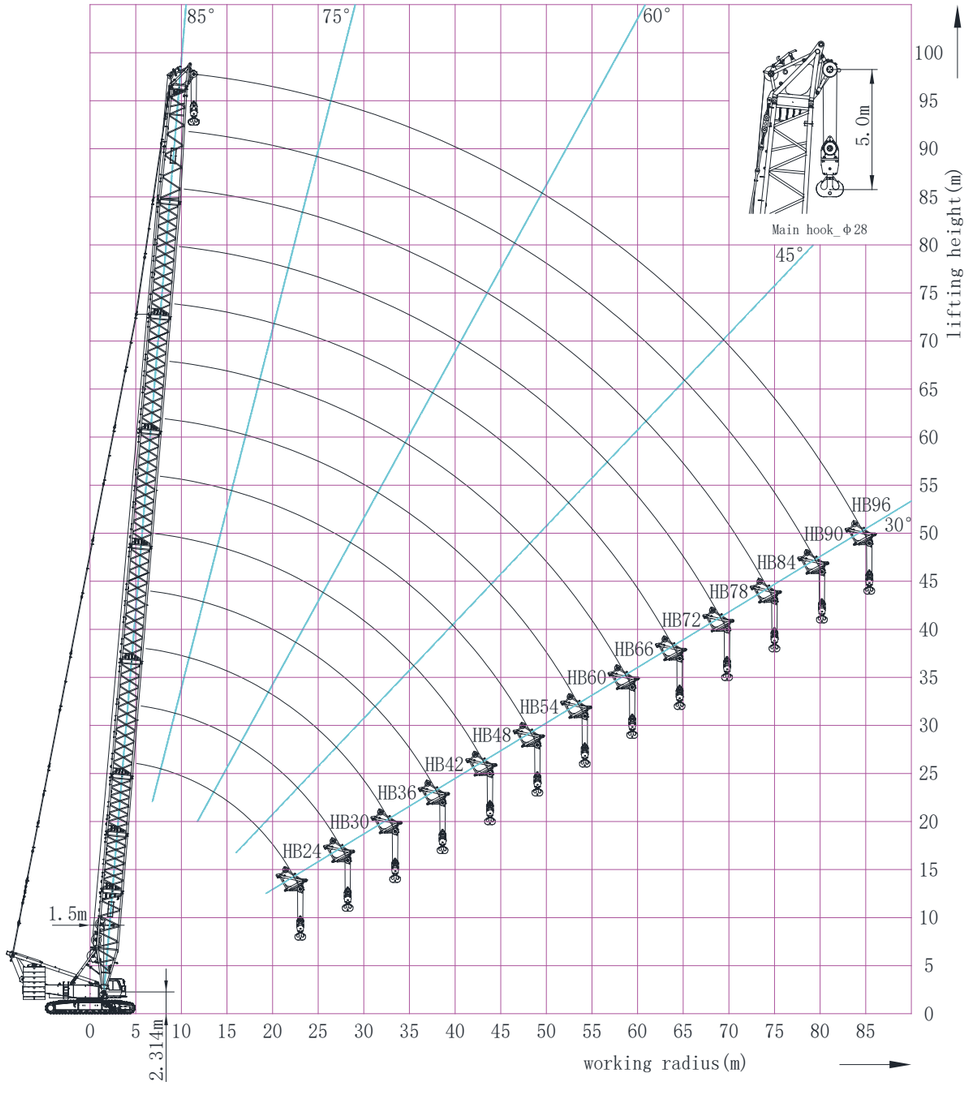
| No. | Working condition categories | Working condition code | Description |
|---|---|---|---|
| 1 | Boom working condition【HB(S)】 | HB/1 | Use boom main hook to lift the load, no boom single top |
| 2 | | HBS/1 | Use boom main hook to lift the load, with aux. hook installed on boom single top |
| 3 | | HBS/2 | Use aux. hook of boom single top to lift the load, with main hook installed on boom |
| 4 | 【LB(S)】 Light boom working condition【LB(S)】 | LB/1 | Use main hook of light boom to lift the load, no boom single top |
| 5 | | LBS/1 | Use main hook of light boom to lift the load, with aux. hook installed on boom single top |
| 6 | | LBS/2 | Use the aux. hook of boom single top to lift the load, with main hook installed on light boom |
| 7 | 【H(B)W(S)】 Tower jib working condition【H(B)W(S)】 | HW/1 | Use main hook of tower jib for lifting operation, no boom pulley block and tower jib single top |
| 8 | | HWS/3 | Use the third hook of tower jib single top to lift the load, with tower jib main hook, no boom pulley block |
| 9 | | HWS/1 | Use main hook of tower jib to lift the load, with the third hook of tower jib single top, no boom pulley block |
| 10 | | HBW/3 | Use the third hook of tower jib to lift the load, with boom main hook, no tower jib single top |
| 11 | | HBW/1 | Use main hook of boom to lift the load, with the third hook of tower jib, no tower jib single top |
| 12 | 【H(B)F】 Fixed jib working condition【H(B)F】 | HF/1 | Use main hook of fixed jib to lift the load, no boom pulley block |
| 13 | | HBF/2 | Use aux. hook of fixed jib to lift the load, with boom main hook, no load on boom main hook |
| 14 | | HBF/1 | Use main hook of boom to lift the load, with boom main hook, no load on fixed jib aux. hook |
| 15 | TBM working condition【TBF】 | TBF/1 | Use main hook of boom to lift the load, no load on TBM jib aux. hook |
| 16 | | TBF/2 | Use the aux. hook of TBM jib to lift the load, no load on boom main hook |
| 17 | | TBF | Both main hook and aux. hooks are used to lift the load. |

Note:
For working condition codes, “/1” means using main hoist winch I; “/2” means using aux. hoist winch; “/3” means using main hoist winch II; “TBF” means both main hoist winch I and aux. hoist winch are used.

# Main Working Conditions

Boom working condition _ boom main hook (without boom single top, HB/1)

Boom working condition _ boom main hook working range (without boom single top, HB/1)




Boom working condition _ boom main hook working range (without boom single top, HB/1)

Boom working condition _ boom main hook lifting capacity table (without boom single top, HB/1_130t+50t)

| HB/1 | boom length (m) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radius | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 |
| (m) | t | t | t | t | t | t | t | t | t | t | t | t | t |
| 5.5 | 350.0 | | | | | | | | | | | | |
| 6 | 325.0 | | | | | | | | | | | | |
| 7 | 310.0 | 300.0 | 266.0 | 240.0 | | | | | | | | | |
| 8 | 300.0 | 290.0 | 263.0 | 238.0 | 210.0 | 183.0 | | | | | | | |
| 9 | 265.0 | 250.0 | 231.0 | 218.5 | 205.0 | 181.0 | 170.0 | 152.0 | | | | | |
| 10 | 228.0 | 220.0 | 210.1 | 194.2 | 185.0 | 176.2 | 166.4 | 150.6 | 135.0 | 124.0 | | | |
| 11 | 195.0 | 192.0 | 182.7 | 174.4 | 166.5 | 159.3 | 152.5 | 146.2 | 135.0 | 123.0 | 106.0 | 91.0 | |
| 12 | 172.0 | 171.0 | 165.1 | 158.1 | 151.4 | 145.3 | 139.4 | 133.9 | 128.6 | 122.0 | 104.4 | 89.2 | 80.0 |
| 13 | 152.0 | 151.0 | 150.5 | 144.5 | 138.7 | 133.4 | 128.2 | 123.3 | 118.6 | 114.2 | 103.5 | 88.4 | 77.5 |
| 14 | 136.0 | 135.2 | 135.0 | 133.0 | 127.8 | 123.1 | 118.4 | 114.2 | 109.9 | 106.0 | 102.1 | 87.6 | 76.5 |
| 15 | 123.0 | 122.3 | 122.1 | 122.0 | 118.3 | 114.2 | 110.0 | 106.2 | 102.3 | 98.7 | 95.2 | 86.8 | 75.4 |
| 16 | 112.0 | 111.5 | 111.3 | 111.1 | 110.1 | 106.4 | 102.6 | 99.1 | 95.6 | 92.3 | 89.1 | 85.9 | 74.6 |
| 17 | 103.0 | 102.4 | 102.1 | 102.0 | 101.6 | 99.5 | 96.0 | 92.8 | 89.5 | 86.6 | 83.5 | 80.9 | 73.9 |
| 18 | 95.0 | 94.5 | 94.3 | 94.1 | 93.6 | 93.3 | 90.1 | 87.1 | 84.1 | 81.4 | 78.6 | 76.1 | 73.1 |
| 19 | 88.0 | 87.7 | 87.4 | 87.2 | 86.8 | 86.4 | 84.7 | 82.0 | 79.3 | 76.6 | 74.1 | 71.8 | 69.2 |
| 20 | 82.0 | 81.7 | 81.4 | 81.2 | 80.7 | 80.3 | 79.8 | 77.4 | 74.8 | 72.5 | 69.9 | 67.8 | 65.5 |
| 22 | 72.0 | 71.6 | 71.2 | 71.0 | 70.5 | 70.1 | 69.6 | 69.1 | 67.1 | 65.0 | 62.7 | 60.8 | 58.7 |
| 24 | | 63.4 | 63.1 | 62.9 | 62.4 | 62.0 | 61.4 | 60.9 | 60.3 | 58.7 | 56.6 | 54.9 | 52.9 |
| 28 | | 51.2 | 50.9 | 50.7 | 50.1 | 49.7 | 49.1 | 48.6 | 47.9 | 47.4 | 46.8 | 45.4 | 43.6 |
| 30 | | | 46.5 | 46.3 | 45.7 | 45.3 | 44.7 | 44.2 | 43.5 | 43.0 | 42.4 | 41.4 | 40.0 |
| 32 | | | 42.0 | 41.9 | 41.3 | 40.9 | 40.3 | 39.7 | 39.1 | 38.6 | 37.9 | 37.3 | 36.4 |
| 38 | | | | 32.5 | 32.0 | 31.5 | 30.9 | 30.3 | 29.6 | 29.0 | 28.3 | 27.9 | 27.2 |
| 42 | | | | | 27.2 | 26.8 | 26.2 | 25.7 | 25.0 | 24.4 | 23.6 | 23.1 | 22.4 |
| 48 | | | | | | 21.4 | 20.7 | 20.2 | 19.5 | 19.0 | 18.3 | 17.8 | 16.9 |
| 54 | | | | | | | 16.5 | 16.0 | 15.3 | 14.8 | 14.1 | 13.6 | 12.8 |
| 58 | | | | | | | | 13.7 | 13.1 | 12.6 | 11.8 | 11.3 | 10.6 |
| 64 | | | | | | | | | 10.1 | 9.7 | 8.9 | 8.4 | 7.7 |
| 68 | | | | | | | | | | 8.1 | 7.3 | 6.8 | 6.1 |
| 74 | | | | | | | | | | | 5.3 | 4.8 | 4.0 |
| 78 | | | | | | | | | | | | 3.6 | 2.7 |
| 80 | | | | | | | | | | | | 2.9 | |

Note:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. For boom length with “*”, 1.31m center hitch must be used; for boom length exceeds 78m, a wedge block must be used for boom raising.
3. For boom sections, tower jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be removed.
4. Standard boom length is 66m, optional longest boom length 96m.
5. When the lifting capacity is ＞300t, additional equipment for special use is required.

# Main Working Conditions

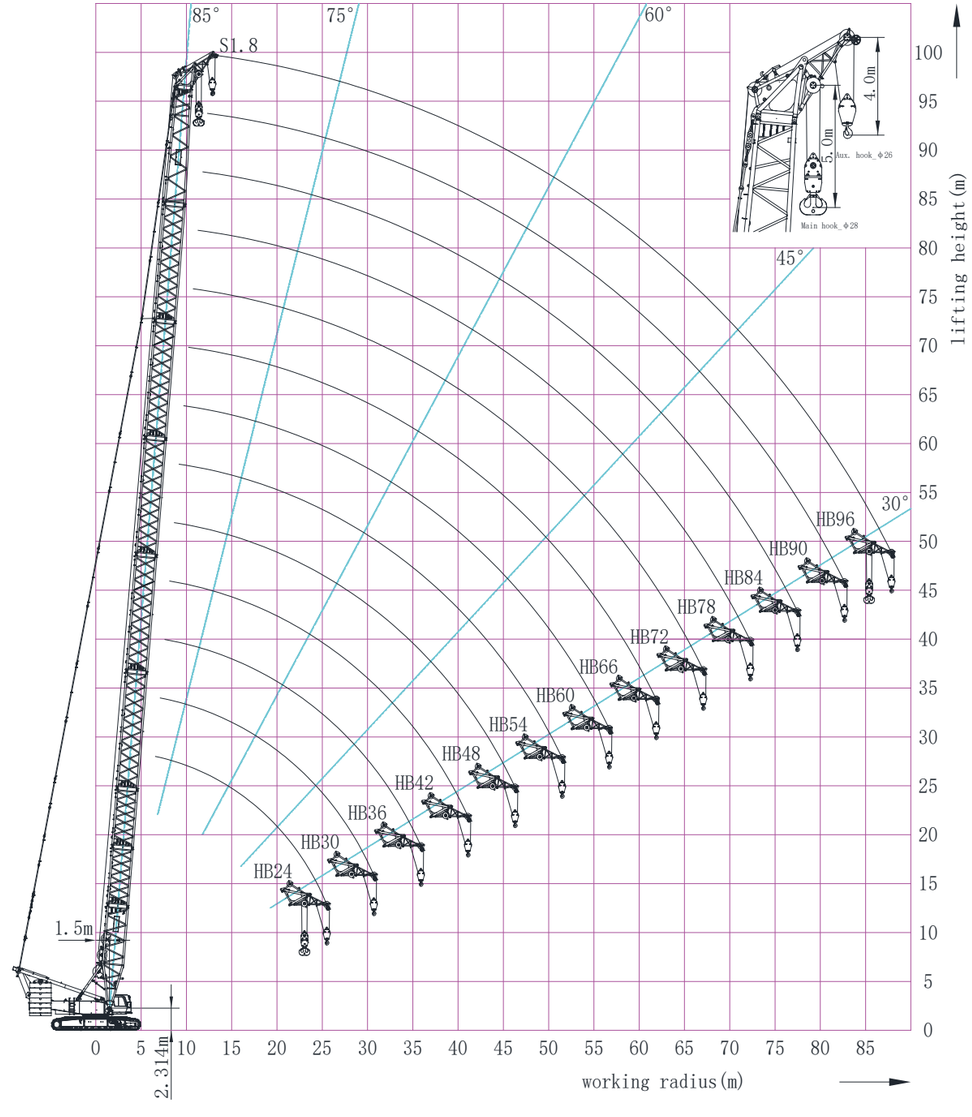
Boom working condition _ boom main hook lifting capacity table (without boom single top, HB/1_135t+50t, optional)

| HB/1 | boom length (m) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radius | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 |
| (m) | t | t | t | t | t | t | t | t | t | t | t | t | t |
| 5.5 | 350.0 | | | | | | | | | | | | |
| 6 | 330.0 | | | | | | | | | | | | |
| 7 | 325.0 | 315.0 | 270.0 | 245.0 | | | | | | | | | |
| 8 | 300.0 | 295.0 | 265.0 | 240.0 | 212.0 | 185.0 | | | | | | | |
| 9 | 266.0 | 260.0 | 241.6 | 226.7 | 209.0 | 184.0 | 172.0 | 155.0 | | | | | |
| 10 | 240.0 | 230.0 | 214.8 | 208.4 | 190.0 | 182.4 | 167.6 | 152.0 | 140.0 | 130.0 | | | |
| 11 | 205.0 | 201.0 | 192.6 | 184.0 | 175.0 | 165.4 | 158.4 | 151.3 | 135.9 | 123.6 | 112.0 | 96.0 | |
| 12 | 180.0 | 178.0 | 173.4 | 164.2 | 157.3 | 150.8 | 144.8 | 139.1 | 133.6 | 125.0 | 107.0 | 92.0 | 82.0 |
| 13 | 160.0 | 157.5 | 156.2 | 150.0 | 144.0 | 138.5 | 133.2 | 128.2 | 123.3 | 118.7 | 103.6 | 90.0 | 79.0 |
| 14 | 147.0 | 142.3 | 140.1 | 138.0 | 132.8 | 127.9 | 123.1 | 118.7 | 114.3 | 110.2 | 103.1 | 88.4 | 77.0 |
| 15 | 130.0 | 128.5 | 126.8 | 126.7 | 123.0 | 118.6 | 114.3 | 110.4 | 106.5 | 102.7 | 99.1 | 87.6 | 76.3 |
| 16 | 119.0 | 117.0 | 115.6 | 115.4 | 114.4 | 110.6 | 106.7 | 103.0 | 99.4 | 96.1 | 92.7 | 86.7 | 75.5 |
| 17 | 109.0 | 107.0 | 106.1 | 106.0 | 105.5 | 103.4 | 99.8 | 96.5 | 93.2 | 90.2 | 87.0 | 84.6 | 74.8 |
| 18 | 101.0 | 99.2 | 97.9 | 97.7 | 97.3 | 96.9 | 93.7 | 90.7 | 87.6 | 84.8 | 81.9 | 79.8 | 73.9 |
| 19 | 95.0 | 92.1 | 90.8 | 90.7 | 90.2 | 89.7 | 88.2 | 85.4 | 82.5 | 79.9 | 77.2 | 75.3 | 72.8 |
| 20 | 88.0 | 85.9 | 84.5 | 84.3 | 83.9 | 83.5 | 83.0 | 80.7 | 77.9 | 75.5 | 72.9 | 71.0 | 68.8 |
| 22 | 77.5 | 75.5 | 74.1 | 73.9 | 73.4 | 73.0 | 72.4 | 72.0 | 70.0 | 67.8 | 65.5 | 63.8 | 61.7 |
| 24 | | 66.1 | 65.8 | 65.6 | 65.0 | 64.6 | 63.9 | 63.5 | 62.8 | 61.3 | 59.2 | 57.7 | 55.8 |
| 28 | | 53.3 | 53.0 | 52.8 | 52.3 | 51.9 | 51.2 | 50.7 | 50.1 | 49.6 | 48.9 | 47.7 | 45.8 |
| 30 | | | 48.5 | 48.3 | 47.7 | 47.3 | 46.7 | 46.1 | 45.5 | 45.0 | 44.3 | 43.5 | 42.1 |
| 32 | | | 43.9 | 43.8 | 43.1 | 42.7 | 42.1 | 41.5 | 40.9 | 40.4 | 39.7 | 39.2 | 38.3 |
| 34 | | | | 40.5 | 39.9 | 39.4 | 38.8 | 38.3 | 37.6 | 37.1 | 36.4 | 35.9 | 35.1 |
| 38 | | | | 34.0 | 33.5 | 32.9 | 32.3 | 31.8 | 31.1 | 30.6 | 29.9 | 29.4 | 28.7 |
| 42 | | | | | 28.6 | 28.1 | 27.5 | 26.9 | 26.2 | 25.7 | 25.0 | 24.5 | 23.8 |
| 48 | | | | | | 22.5 | 21.9 | 21.3 | 20.6 | 20.1 | 19.4 | 18.9 | 18.2 |
| 54 | | | | | | | 17.5 | 17.0 | 16.3 | 15.8 | 15.1 | 14.6 | 13.8 |
| 58 | | | | | | | | 14.7 | 14.0 | 13.5 | 12.7 | 12.2 | 11.4 |
| 64 | | | | | | | | | 11.0 | 10.5 | 9.8 | 9.3 | 8.5 |
| 68 | | | | | | | | | | 8.9 | 8.1 | 7.5 | 6.8 |
| 74 | | | | | | | | | | | 5.9 | 5.4 | 4.7 |
| 78 | | | | | | | | | | | | 4.5 | 3.8 |
| 80 | | | | | | | | | | | | 3.6 | 2.9 |

Note:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. For boom length with "*", 1.31m center hitch must be used; for boom length exceeds 78m, a wedge block must be used for boom raising.
3. For boom sections, tower jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be removed.
4. Standard boom length is 66m, optional longest boom length 96m.
5. When the lifting capacity is >300t, additional equipment for special use is required.

Boom working condition_boom single top aux. hook (with boom main hook, HBS/2)

Boom working condition_boom single top aux. hook working range (with boom main hook, HBS/2)




Boom working condition_boom single top aux. hook working range (with boom main hook, HBS/2)

# Main Working Conditions

Boom single top aux. hook lifting capacity table (with boom main hook, HBS/2_130t+50t)

| HBS/2 | boom length (m) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radius | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78* | 84* | 90* |
| (m) | t | t | t | t | t | t | t | t | t | t | t | t |
| 7 | 28.0 | | | | | | | | | | | |
| 8 | 28.0 | 28.0 | 28.0 | | | | | | | | | |
| 9 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | | | | | | | |
| 10 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | | | | | |
| 11 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | | | |
| 12 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | |
| 13 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 14 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 15 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 16 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 17 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 18 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 19 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 20 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 22 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 24 | | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 26 | | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 28 | | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 30 | | | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 32 | | | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 34 | | | | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 36 | | | | 28.0 | 28.0 | 28.0 | 27.9 | 27.6 | 27.2 | 26.9 | 26.6 | 26.4 |
| 38 | | | | 28.0 | 28.0 | 28.0 | 27.7 | 27.1 | 26.4 | 25.8 | 25.1 | 24.7 |
| 42 | | | | | 24.0 | 23.6 | 23.0 | 22.5 | 21.8 | 21.2 | 20.4 | 19.9 |
| 44 | | | | | | 21.8 | 21.2 | 20.7 | 20.0 | 19.4 | 18.6 | 18.1 |
| 48 | | | | | | 18.2 | 17.5 | 17.0 | 16.3 | 15.8 | 15.1 | 14.6 |
| 50 | | | | | | | 16.1 | 15.6 | 14.9 | 14.4 | 13.7 | 13.2 |
| 54 | | | | | | | 13.3 | 12.8 | 12.1 | 11.6 | 10.9 | 10.4 |
| 58 | | | | | | | | 10.5 | 9.9 | 9.4 | 8.6 | 8.1 |
| 64 | | | | | | | | | 6.9 | 6.5 | 5.7 | 5.2 |
| 68 | | | | | | | | | | 4.9 | 4.1 | 3.6 |

Note:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. For boom length with “*”, 1.31m center hitch must be used; for boom length exceeds 78m, a wedge block must be used for boom raising.
3. For boom sections, tower jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be removed.

Boom single top aux. hook lifting capacity table (with boom main hook, HBS/2_135t+50t, optional)

| HBS/2 | boom length (m) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radius | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78* | 84* | 90* | 96* |
| (m) | t | t | t | t | t | t | t | t | t | t | t | t | t |
| 7 | 28.0 | | | | | | | | | | | | |
| 8 | 28.0 | 28.0 | 28.0 | | | | | | | | | | |
| 9 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | | | | | | | | |
| 10 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | | | | | | |
| 11 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | | | | |
| 12 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | | |
| 13 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 14 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 15 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 16 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 17 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 18 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 19 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 20 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 22 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 24 | | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 26 | | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 28 | | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 30 | | | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 32 | | | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 34 | | | | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 36 | | | | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 27.7 | 27.4 | 27.1 | 26.8 |
| 38 | | | | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 27.9 | 27.4 | 26.7 | 26.2 | 25.5 |
| 42 | | | | | 25.4 | 24.9 | 24.3 | 23.7 | 23.0 | 22.5 | 21.8 | 21.3 | 20.6 |
| 48 | | | | | | 19.3 | 18.7 | 18.1 | 17.4 | 16.9 | 16.2 | 15.7 | 15.0 |
| 50 | | | | | | | 17.2 | 16.7 | 16.0 | 15.5 | 14.8 | 14.3 | 13.5 |
| 54 | | | | | | | 14.3 | 13.8 | 13.1 | 12.6 | 11.9 | 11.4 | 10.6 |
| 58 | | | | | | | | 11.5 | 10.8 | 10.3 | 9.5 | 9.0 | 8.2 |
| 64 | | | | | | | | | 7.8 | 7.3 | 6.6 | 6.1 | 5.3 |
| 68 | | | | | | | | | | 5.7 | 4.9 | 4.3 | 3.6 |
| 74 | | | | | | | | | | | 2.7 | | |

Notes:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. For boom length with “*”, 1.31m center hitch must be used; for boom length exceeds 78m, a wedge block must be used for boom raising.
3. For boom sections, tower jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be removed.

# Main Working Conditions

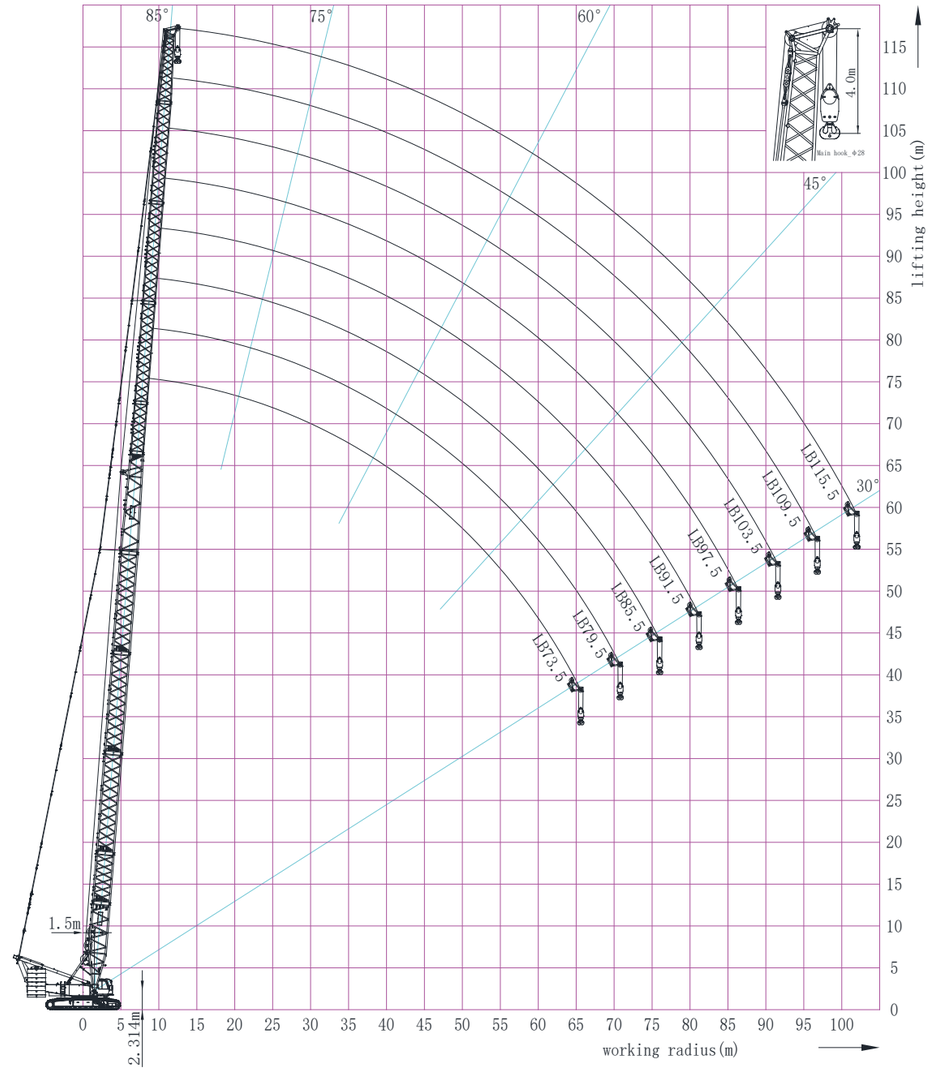
Boom single top aux. hook lifting capacity table (with boom main hook, HBS/2_135t+50t, optional)

| HBS/2 | boom length (m) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radius | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78* | 84* | 90* | 96* |
| (m) | t | t | t | t | t | t | t | t | t | t | t | t | t |
| 7 | 28.0 | | | | | | | | | | | | |
| 8 | 28.0 | 28.0 | 28.0 | | | | | | | | | | |
| 9 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | | | | | | | | |
| 10 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | | | | | | |
| 11 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | | | | |
| 12 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | | |
| 13 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 14 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 15 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 16 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 17 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 18 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 19 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 20 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 22 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 24 | | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 26 | | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 28 | | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 30 | | | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 32 | | | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 34 | | | | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 36 | | | | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 27.7 | 27.4 | 27.1 | 26.8 |
| 38 | | | | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 27.9 | 27.4 | 26.7 | 26.2 | 25.5 |
| 42 | | | | | 25.4 | 24.9 | 24.3 | 23.7 | 23.0 | 22.5 | 21.8 | 21.3 | 20.6 |
| 48 | | | | | | 19.3 | 18.7 | 18.1 | 17.4 | 16.9 | 16.2 | 15.7 | 15.0 |
| 50 | | | | | | | 17.2 | 16.7 | 16.0 | 15.5 | 14.8 | 14.3 | 13.5 |
| 54 | | | | | | | 14.3 | 13.8 | 13.1 | 12.6 | 11.9 | 11.4 | 10.6 |
| 58 | | | | | | | | 11.5 | 10.8 | 10.3 | 9.5 | 9.0 | 8.2 |
| 64 | | | | | | | | | 7.8 | 7.3 | 6.6 | 6.1 | 5.3 |
| 68 | | | | | | | | | | 5.7 | 4.9 | 4.3 | 3.6 |
| 74 | | | | | | | | | | | 2.7 | | |

Notes:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. For boom length with "*", 1.31m center hitch must be used; for boom length exceeds 78m, a wedge block must be used for boom raising.
3. For boom sections, tower jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be removed.

Light boom working condition_boom main hook (without tower jib single top, LB/1)

Light boom working condition_boom main hook working range (without tower jib single top, LB/1)




Light boom working condition_boom main hook working range (without tower jib single top, LB/1)

# Main Working Conditions

Light boom working condition_light boom main hook lifting capacity table (without tower jib single top, LB/1_130t+50t)

| LB/1 | light boom length (m) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Radius | 73.5* | 79.5* | 85.5* | 91.5* | 97.5* | 103.5** | 109.5** | 115.5** |
| (m) | t | t | t | t | t | t | t | t |
| 9 | 100.0 | | | | | | | |
| 10 | 98.5 | 96.8 | 90.0 | | | | | |
| 11 | 95.0 | 93.3 | 89.0 | 73.6 | 65.7 | | | |
| 12 | 92.6 | 91.8 | 88.4 | 72.2 | 65.1 | 56.4 | 47.9 | |
| 13 | 90.1 | 89.6 | 87.0 | 70.9 | 64.5 | 55.9 | 47.5 | 40.6 |
| 14 | 88.2 | 88.1 | 86.1 | 69.7 | 63.8 | 55.4 | 47.1 | 40.2 |
| 16 | 84.4 | 85.0 | 83.9 | 67.2 | 62.5 | 54.2 | 46.2 | 39.4 |
| 18 | 80.2 | 82.0 | 81.7 | 65.0 | 61.3 | 52.4 | 45.2 | 38.6 |
| 20 | 76.5 | 77.9 | 75.5 | 62.7 | 59.9 | 50.6 | 44.3 | 37.8 |
| 22 | 72.7 | 70.4 | 68.2 | 60.7 | 58.7 | 49.0 | 43.1 | 36.9 |
| 24 | 65.5 | 64.1 | 62.0 | 58.7 | 57.5 | 47.4 | 41.7 | 36.1 |
| 26 | 58.6 | 58.1 | 56.7 | 55.2 | 53.5 | 45.9 | 40.5 | 35.3 |
| 28 | 52.9 | 52.4 | 51.6 | 50.7 | 49.2 | 44.4 | 39.3 | 34.3 |
| 30 | 48.0 | 47.5 | 46.8 | 46.4 | 45.3 | 44.0 | 38.1 | 33.3 |
| 32 | 43.9 | 43.3 | 42.5 | 42.2 | 41.7 | 40.9 | 37.1 | 32.3 |
| 34 | 40.3 | 39.6 | 38.9 | 38.6 | 38.0 | 37.8 | 36.0 | 31.5 |
| 36 | 36.7 | 36.5 | 35.8 | 35.4 | 34.9 | 34.6 | 34.2 | 30.5 |
| 38 | 33.9 | 33.3 | 32.9 | 32.6 | 32.0 | 31.7 | 31.3 | 29.7 |
| 40 | 31.5 | 30.9 | 30.1 | 30.0 | 29.5 | 29.2 | 28.8 | 28.5 |
| 42 | 29.3 | 28.7 | 27.9 | 27.6 | 27.2 | 26.9 | 26.5 | 26.2 |
| 44 | 27.3 | 26.7 | 25.9 | 25.5 | 25.0 | 24.9 | 24.4 | 24.2 |
| 48 | 23.4 | 23.2 | 22.4 | 22.0 | 21.5 | 21.2 | 20.9 | 20.6 |
| 52 | 20.6 | 20.0 | 19.6 | 19.2 | 18.6 | 18.2 | 17.8 | 17.7 |
| 56 | 18.2 | 17.6 | 16.9 | 16.7 | 16.1 | 15.8 | 15.4 | 15.1 |
| 60 | 16.1 | 15.5 | 14.7 | 14.3 | 14.0 | 13.7 | 13.2 | 12.9 |
| 64 | 14.2 | 13.6 | 12.9 | 12.5 | 12.0 | 11.9 | 11.4 | 11.1 |
| 70 | | 11.3 | 10.6 | 10.2 | 9.7 | 9.4 | 9.0 | 8.7 |
| 74 | | | 9.3 | 8.9 | 8.4 | 8.1 | 7.6 | 7.4 |
| 76 | | | 8.7 | 8.3 | 7.8 | 7.5 | 7.0 | 6.8 |
| 80 | | | | 7.2 | 6.6 | 6.4 | 5.9 | 5.6 |
| 86 | | | | | 5.2 | 4.7 | 4.3 | 4.0 |
| 92 | | | | | | | 3.1 | 2.8 |
| 94 | | | | | | | 2.7 | |

Notes:

1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. “*” Light boom length needs to use 1.27m center hitch; “**” Light boom length needs to use 1.27m and 2.61m center hitch.
3. For boom sections, tower jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be removed.

Light boom working condition_light boom main hook lifting capacity table (without tower jib single top, LB/1_135t+50t, optional)

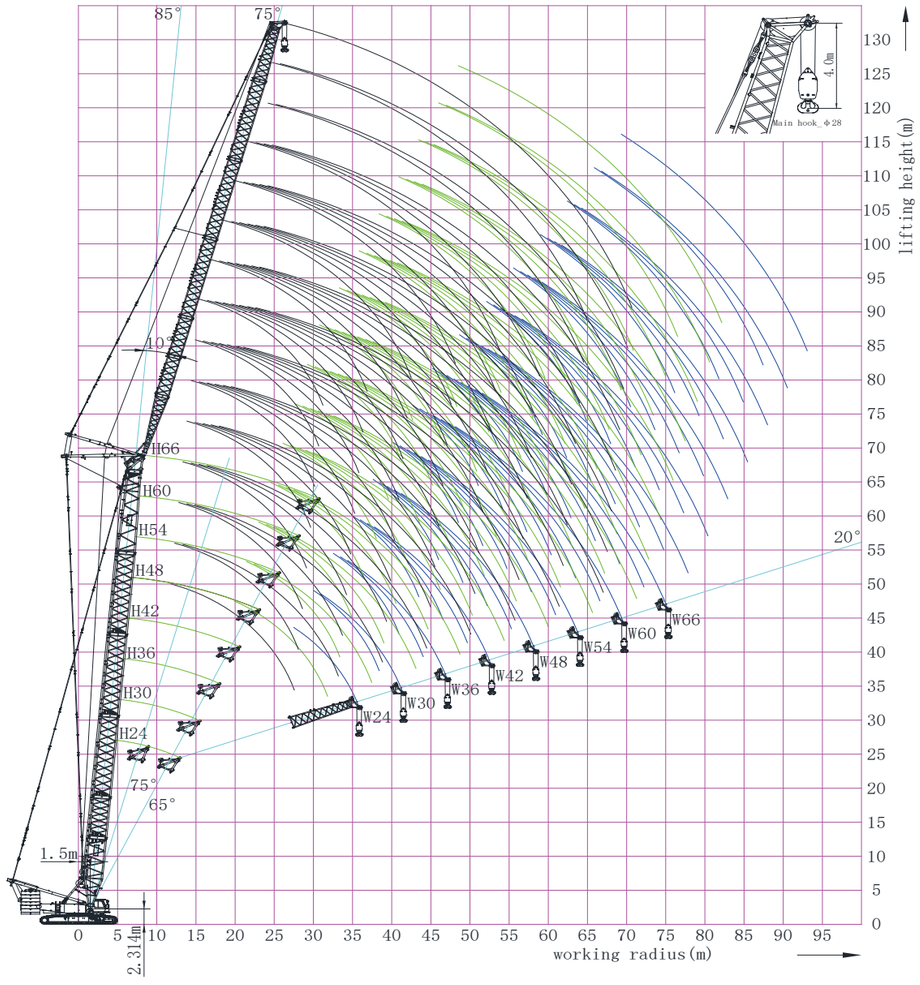
| LB/1 | light boom length (m) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Radius | 73.5* | 79.5* | 85.5* | 91.5* | 97.5* | 103.5** | 109.5** | 115.5** |
| (m) | t | t | t | t | t | t | t | t |
| 9 | 100.0 | | | | | | | |
| 10 | 99.0 | 97.5 | 92.0 | | | | | |
| 11 | 96.0 | 94.3 | 90.1 | 75.0 | 68.0 | | | |
| 12 | 94.0 | 92.6 | 89.2 | 73.4 | 66.1 | 58.0 | 49.0 | |
| 13 | 92.0 | 91.0 | 88.3 | 72.0 | 65.4 | 56.8 | 48.3 | 42.0 |
| 14 | 88.6 | 89.4 | 87.5 | 70.7 | 64.8 | 56.2 | 47.8 | 40.8 |
| 16 | 84.8 | 85.4 | 84.3 | 68.2 | 63.5 | 55.0 | 46.9 | 40.0 |
| 18 | 80.6 | 82.4 | 82.1 | 65.3 | 61.6 | 52.6 | 45.4 | 38.8 |
| 20 | 76.9 | 79.5 | 78.0 | 63.0 | 60.2 | 50.9 | 44.5 | 38.0 |
| 22 | 73.4 | 72.9 | 70.5 | 60.9 | 59.0 | 49.2 | 43.3 | 37.1 |
| 24 | 67.7 | 66.4 | 64.2 | 59.0 | 57.8 | 47.6 | 41.9 | 36.3 |
| 26 | 60.6 | 60.1 | 58.8 | 57.1 | 55.5 | 46.1 | 40.7 | 35.5 |
| 28 | 54.8 | 54.2 | 53.5 | 52.6 | 51.1 | 44.6 | 39.5 | 34.4 |
| 30 | 49.8 | 49.2 | 48.5 | 48.0 | 47.1 | 44.2 | 38.3 | 33.5 |
| 32 | 45.4 | 44.9 | 44.2 | 43.8 | 43.3 | 42.0 | 37.2 | 32.4 |
| 34 | 41.7 | 41.2 | 40.5 | 40.0 | 39.5 | 39.2 | 36.2 | 31.6 |
| 36 | 37.9 | 37.9 | 37.1 | 36.7 | 36.2 | 35.9 | 35.2 | 30.7 |
| 38 | 35.1 | 34.4 | 34.2 | 33.8 | 33.3 | 33.0 | 32.6 | 29.8 |
| 40 | 32.6 | 32.0 | 31.2 | 31.3 | 30.7 | 30.4 | 30.0 | 29.1 |
| 42 | 30.2 | 29.6 | 28.9 | 28.5 | 28.4 | 28.1 | 27.7 | 27.4 |
| 44 | 28.2 | 27.6 | 26.9 | 26.4 | 25.9 | 26.0 | 25.6 | 25.3 |
| 48 | 24.3 | 24.1 | 23.3 | 23.0 | 22.3 | 22.0 | 21.9 | 21.6 |
| 52 | 21.4 | 20.8 | 20.3 | 20.0 | 19.4 | 19.1 | 18.7 | 18.6 |
| 56 | 18.9 | 18.3 | 17.6 | 17.4 | 16.8 | 16.5 | 16.1 | 15.8 |
| 60 | 16.8 | 16.2 | 15.5 | 15.0 | 14.7 | 14.4 | 13.9 | 13.6 |
| 64 | 14.9 | 14.3 | 13.5 | 13.1 | 12.6 | 12.5 | 12.1 | 11.8 |
| 70 | | 11.9 | 11.2 | 10.8 | 10.2 | 10.0 | 9.6 | 9.3 |
| 74 | | | 9.8 | 9.4 | 8.9 | 8.6 | 8.2 | 8.0 |
| 76 | | | | 8.5 | 8.0 | 7.7 | 7.3 | 7.1 |
| 80 | | | | 7.7 | 7.1 | 6.8 | 6.4 | 6.1 |
| 86 | | | | | 5.6 | 5.3 | 4.8 | 4.5 |
| 92 | | | | | | | 3.5 | 3.2 |
| 94 | | | | | | | 3.1 | 2.8 |

Notes:

1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. “*” Light boom length needs to use 1.27m center hitch; “**” Light boom length needs to use 1.27m and 2.61m center hitch.
3. For boom sections, tower jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be removed.

Tower jib working condition_tower jib main hook (without boom pulley block and tower jib single top, HW/1)

Tower jib working condition_tower jib main hook working range (without boom pulley block and tower jib single top, HW/1)




Tower jib working condition_tower jib main hook working range (without boom pulley block and tower jib single top, HW/1)

Tower jib working condition_tower jib main hook lifting capacity table (without boom pulley block and tower jib single top, HW/1_85° _130t+50t_30m)

| boom length (m) | 30 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| HW/1 | tower jib length (m) | | | | | | | |
| Radius | 24 | 30 | 36 | 42 | 48 | 54 | 60◇ | 66☆ |
| (m) | t | t | t | t | t | t | t | t |
| 13 | 138.7 | | | | | | | |
| 14 | 132.1 | 114.5 | | | | | | |
| 15 | 123.4 | 113.2 | | | | | | |
| 16 | 115.8 | 111.8 | 94.5 | | | | | |
| 17 | 109.0 | 105.3 | 93.6 | 79.3 | | | | |
| 18 | 102.9 | 99.5 | 92.9 | 78.8 | | | | |
| 19 | 96.8 | 94.3 | 91.0 | 78.3 | 63.6 | | | |
| 20 | 90.6 | 89.6 | 86.5 | 77.8 | 63.5 | | | |
| 22 | 80.2 | 79.8 | 78.7 | 76.4 | 63.1 | 51.4 | 42.1 | |
| 24 | 71.9 | 71.5 | 70.7 | 70.0 | 62.7 | 51.0 | 41.6 | 34.6 |
| 26 | 65.0 | 64.7 | 64.0 | 63.3 | 62.2 | 50.4 | 41.2 | 34.2 |
| 28 | 59.1 | 58.9 | 58.2 | 57.7 | 56.7 | 50.0 | 40.7 | 33.7 |
| 30 | | 54.0 | 53.4 | 52.9 | 52.0 | 49.5 | 40.2 | 33.3 |
| 32 | | 49.9 | 49.3 | 48.8 | 47.8 | 47.3 | 39.8 | 32.8 |
| 34 | | | 45.6 | 45.2 | 44.3 | 43.7 | 39.3 | 32.4 |
| 36 | | | 42.4 | 42.0 | 41.2 | 40.6 | 38.9 | 32.0 |
| 38 | | | 39.7 | 39.2 | 38.4 | 37.9 | 37.1 | 31.5 |
| 40 | | | | 36.7 | 35.9 | 35.4 | 34.6 | 30.7 |
| 42 | | | | 34.4 | 33.7 | 33.2 | 32.5 | 29.3 |
| 44 | | | | 32.4 | 31.8 | 31.3 | 30.5 | 28.0 |
| 46 | | | | | 29.9 | 29.4 | 28.7 | 26.7 |
| 48 | | | | | 28.2 | 27.8 | 27.1 | 25.5 |
| 50 | | | | | 26.7 | 26.3 | 25.6 | 24.3 |
| 52 | | | | | | 24.9 | 24.3 | 23.2 |
| 54 | | | | | | 23.5 | 23.0 | 22.1 |
| 56 | | | | | | 22.4 | 21.9 | 20.7 |
| 58 | | | | | | | 20.7 | 19.4 |
| 60 | | | | | | | 19.7 | 18.2 |
| 62 | | | | | | | | 17.1 |
| 64 | | | | | | | | 16.0 |
| 6 | | | | | | | | 15.0 |

Notes:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. ◇—tower jib combination length needs to use 2.590m center hitch; ☆-- tower jib combination length needs to use 3.905m center hitch.
3. For boom sections, fixed jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be installed.
4. For boom raising, position crawler drive sprocket at the rear of the crane; it is suggested to use auxiliary crane or wedge block to help boom raising.

Tower jib working condition_tower jib main hook lifting capacity table (without boom pulley block and tower jib single top, HW/1_85° _130t+50t_42m)

| boom length (m) | 42 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| HW/1 | tower jib length (m) | | | | | | | |
| Radius | 24 | 30 | 36 | 42 | 48 | 54 | 60◇ | 66☆ |
| (m) | t | t | t | t | t | t | t | t |
| 14 | 122.2 | | | | | | | |
| 15 | 114.4 | 105.4 | | | | | | |
| 16 | 107.6 | 103.9 | | | | | | |
| 17 | 101.6 | 98.2 | 86.9 | | | | | |
| 18 | 96.2 | 93.0 | 86.7 | | | | | |
| 19 | 91.3 | 88.4 | 85.3 | 70.1 | | | | |
| 20 | 86.8 | 84.0 | 81.2 | 70.0 | 56.6 | | | |
| 22 | 79.2 | 76.7 | 74.1 | 69.8 | 56.4 | 46.5 | | |
| 24 | 71.4 | 70.5 | 68.1 | 66.0 | 56.2 | 46.3 | 38.3 | |
| 26 | 64.6 | 64.2 | 62.9 | 61.1 | 55.9 | 46.0 | 38.0 | 31.8 |
| 28 | 58.8 | 58.4 | 57.7 | 56.7 | 54.6 | 45.7 | 37.6 | 31.5 |
| 30 | | 53.6 | 53.0 | 52.4 | 51.0 | 45.4 | 37.3 | 31.1 |
| 32 | | 49.4 | 48.8 | 48.3 | 47.4 | 44.4 | 37.0 | 30.8 |
| 34 | | 45.7 | 45.3 | 44.7 | 43.8 | 41.9 | 36.7 | 30.5 |
| 36 | | | 42.1 | 41.6 | 40.8 | 39.4 | 35.4 | 30.2 |
| 38 | | | 39.3 | 38.8 | 38.1 | 36.9 | 33.5 | 29.8 |
| 40 | | | 36.8 | 36.4 | 35.6 | 34.6 | 31.7 | 28.6 |
| 42 | | | | 34.1 | 33.4 | 32.2 | 29.9 | 27.2 |
| 44 | | | | 31.3 | 31.0 | 29.9 | 28.1 | 25.8 |
| 46 | | | | 28.4 | 28.4 | 27.8 | 26.3 | 24.4 |
| 48 | | | | | 26.1 | 25.8 | 24.6 | 23.0 |
| 50 | | | | | 23.9 | 23.8 | 22.9 | 21.5 |
| 52 | | | | | | 21.9 | 21.2 | 20.1 |
| 54 | | | | | | 20.2 | 19.7 | 18.9 |
| 56 | | | | | | 18.6 | 18.3 | 17.6 |
| 58 | | | | | | | 16.9 | 16.4 |
| 60 | | | | | | | 15.6 | 15.3 |
| 62 | | | | | | | 14.4 | 14.2 |
| 64 | | | | | | | | 13.1 |
| 66 | | | | | | | | 12.1 |
| 68 | | | | | | | | 11.1 |

Notes:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. ◇—tower jib combination length needs to use 2.590m center hitch; ☆—— tower jib combination length needs to use 3.905m center hitch.
3. For boom sections, fixed jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be installed.
4. For boom raising, position crawler drive sprocket at the rear of the crane; it is suggested to use auxiliary crane or wedge block to help boom raising.

Tower jib working condition_tower jib main hook lifting capacity table (without boom pulley block and tower jib single top, HW/1_85° _130t+50t_54m)

| boom length (m) | 54 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| HW/1 | tower jib length (m) | | | | | | | |
| Radius | 24 | 30 | 36 | 42 | 48 | 54 | 60◇ | 66☆ |
| (m) | t | t | t | t | t | t | t | t |
| 15 | 105.9 | | | | | | | |
| 16 | 99.8 | 88.2 | | | | | | |
| 17 | 94.5 | 87.6 | | | | | | |
| 18 | 89.6 | 86.6 | 72.5 | | | | | |
| 19 | 85.2 | 82.4 | 72.1 | | | | | |
| 20 | 81.3 | 78.6 | 71.6 | 60.0 | | | | |
| 22 | 74.3 | 71.9 | 69.5 | 59.6 | 49.4 | | | |
| 24 | 68.4 | 66.2 | 64.0 | 58.8 | 49.1 | 41.3 | 34.6 | |
| 26 | 63.3 | 61.3 | 59.2 | 55.0 | 48.8 | 41.1 | 34.4 | 29.2 |
| 28 | 58.2 | 57.1 | 54.8 | 51.1 | 46.4 | 40.8 | 34.1 | 28.9 |
| 30 | 52.8 | 51.9 | 50.1 | 47.4 | 43.4 | 39.4 | 33.9 | 28.7 |
| 32 | | 46.8 | 45.6 | 43.7 | 40.5 | 37.1 | 33.2 | 28.5 |
| 34 | | 42.1 | 41.5 | 40.1 | 37.7 | 34.9 | 31.5 | 28.1 |
| 36 | | | 37.6 | 36.8 | 34.9 | 32.7 | 29.7 | 26.8 |
| 38 | | | 34.1 | 33.6 | 32.2 | 30.5 | 28.0 | 25.4 |
| 40 | | | 31.0 | 30.8 | 29.6 | 28.3 | 26.3 | 24.0 |
| 42 | | | | 28.1 | 27.3 | 26.3 | 24.6 | 22.7 |
| 44 | | | | 25.6 | 25.1 | 24.3 | 22.9 | 21.2 |
| 46 | | | | 23.3 | 23.0 | 22.4 | 21.2 | 19.9 |
| 48 | | | | | 21.1 | 20.7 | 19.7 | 18.6 |
| 50 | | | | | 19.3 | 19.1 | 18.3 | 17.3 |
| 52 | | | | | 17.6 | 17.5 | 16.9 | 16.1 |
| 54 | | | | | | 16.0 | 15.6 | 14.9 |
| 56 | | | | | | 14.7 | 14.4 | 13.8 |
| 58 | | | | | | 13.4 | 13.2 | 12.8 |
| 60 | | | | | | | 12.1 | 11.8 |
| 62 | | | | | | | 11.1 | 10.8 |
| 64 | | | | | | | | 9.9 |
| 66 | | | | | | | | 9.1 |
| 68 | | | | | | | | 8.3 |

Notes:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. ◇—tower jib combination length needs to use 2.590m center hitch; ☆—— tower jib combination length needs to use 3.905m center hitch.
3. For boom sections, fixed jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be installed.
4. For boom raising, position crawler drive sprocket at the rear of the crane; it is suggested to use auxiliary crane or wedge block to help boom raising.

# Main Working Conditions

Tower jib working condition_tower jib main hook lifting capacity table (without boom pulley block and tower jib single top, HW/1_85° _130t+50t_66m)

| boom length (m) | 66 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| HW/1 | tower jib length (m) | | | | | | | |
| Radius | 24 | 30 | 36 | 42 | 48 | 54 | 60◇ | 66☆ |
| (m) | t | t | t | t | t | t | t | t |
| 16 | 81.6 | | | | | | | |
| 17 | 80.0 | 69.8 | | | | | | |
| 18 | 78.4 | 68.9 | | | | | | |
| 19 | 76.6 | 67.9 | 58.9 | | | | | |
| 20 | 74.9 | 66.8 | 58.3 | | | | | |
| 22 | 68.3 | 63.4 | 57.1 | 49.7 | 42.4 | | | |
| 24 | 61.9 | 58.2 | 53.8 | 48.9 | 42.0 | 36.1 | | |
| 26 | 55.9 | 53.3 | 49.8 | 45.9 | 40.5 | 35.8 | 30.6 | |
| 28 | 50.6 | 48.5 | 45.9 | 42.7 | 38.9 | 35.1 | 30.3 | 26.1 |
| 30 | 45.6 | 44.1 | 42.1 | 39.7 | 36.4 | 33.2 | 29.6 | 25.9 |
| 32 | | 40.1 | 38.5 | 36.7 | 34.0 | 31.3 | 28.1 | 25.1 |
| 34 | | 36.4 | 35.3 | 33.8 | 31.7 | 29.3 | 26.6 | 23.9 |
| 36 | | 33.0 | 32.2 | 31.1 | 29.3 | 27.4 | 25.1 | 22.7 |
| 38 | | | 29.3 | 28.5 | 27.1 | 25.6 | 23.6 | 21.4 |
| 40 | | | 26.8 | 26.1 | 25.0 | 23.8 | 22.1 | 20.1 |
| 42 | | | 24.3 | 23.9 | 23.0 | 22.0 | 20.5 | 18.9 |
| 44 | | | | 21.8 | 21.1 | 20.3 | 19.0 | 17.7 |
| 46 | | | | 20.0 | 19.4 | 18.8 | 17.7 | 16.5 |
| 48 | | | | 18.2 | 17.8 | 17.3 | 16.4 | 15.4 |
| 50 | | | | | 16.3 | 15.8 | 15.1 | 14.2 |
| 52 | | | | | 14.9 | 14.6 | 14.0 | 13.2 |
| 54 | | | | | | 13.4 | 12.8 | 12.2 |
| 56 | | | | | | 12.3 | 11.8 | 11.2 |
| 58 | | | | | | 11.2 | 10.8 | 10.3 |
| 60 | | | | | | | 9.9 | 9.5 |
| 62 | | | | | | | 9.0 | 8.6 |
| 64 | | | | | | | 8.2 | 7.9 |
| 66 | | | | | | | | 7.1 |
| 68 | | | | | | | | 6.4 |
| 70 | | | | | | | | 5.7 |

Notes:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. ◇—tower jib combination length needs to use 2.590m center hitch; ☆—— tower jib combination length needs to use 3.905m center hitch.
3. For boom sections, fixed jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be installed.
4. For boom raising, position crawler drive sprocket at the rear of the crane; it is suggested to use auxiliary crane or wedge block to help boom raising.

Tower jib working condition_tower jib main hook lifting capacity table (without boom pulley block and tower jib single top, HW/1_85° _135t+50t_24m, optional)

| boom length (m) | 24 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| HW/1 | tower jib length (m) | | | | | | | |
| Radius | 24 | 30 | 36 | 42 | 48 | 54 | 60◇ | 66☆ |
| (m) | t | t | t | t | t | t | t | t |
| 12 | 148.0 | | | | | | | |
| 13 | 144.2 | | | | | | | |
| 14 | 140.2 | 118.4 | | | | | | |
| 15 | 135.0 | 116.6 | 98.8 | | | | | |
| 16 | 123.7 | 115.0 | 97.7 | | | | | |
| 17 | 115.7 | 112.3 | 96.6 | 82.4 | | | | |
| 18 | 107.3 | 106.1 | 95.5 | 81.7 | 67.8 | | | |
| 19 | 100.0 | 99.6 | 94.6 | 81.0 | 67.5 | | | |
| 20 | 93.7 | 93.2 | 92.1 | 80.2 | 67.3 | 54.6 | | |
| 22 | 82.9 | 82.5 | 81.7 | 78.8 | 66.8 | 54.0 | 44.0 | |
| 24 | 74.3 | 73.9 | 73.1 | 72.6 | 66.2 | 53.4 | 43.4 | 36.1 |
| 26 | 67.2 | 66.9 | 66.1 | 65.6 | 64.6 | 52.8 | 42.9 | 35.5 |
| 28 | | 60.9 | 60.3 | 59.7 | 58.8 | 52.3 | 42.3 | 35.0 |
| 30 | | 55.9 | 55.3 | 54.8 | 53.9 | 51.7 | 41.8 | 34.5 |
| 32 | | 51.5 | 51.0 | 50.5 | 49.6 | 49.1 | 41.2 | 34.0 |
| 34 | | | 47.3 | 46.8 | 45.9 | 45.4 | 40.6 | 33.5 |
| 36 | | | 44.0 | 43.5 | 42.6 | 42.1 | 40.1 | 33.0 |
| 38 | | | 41.0 | 40.6 | 39.8 | 39.3 | 38.4 | 32.0 |
| 40 | | | | 38.0 | 37.3 | 36.7 | 36.0 | 30.5 |
| 42 | | | | 35.7 | 35.0 | 34.5 | 33.8 | 29.1 |
| 44 | | | | 33.1 | 32.9 | 32.4 | 31.7 | 28.5 |
| 46 | | | | | 31.1 | 30.6 | 29.8 | 27.2 |
| 48 | | | | | 29.4 | 28.9 | 28.2 | 25.9 |
| 50 | | | | | 26.8 | 27.3 | 26.7 | 24.7 |
| 52 | | | | | | 25.9 | 25.3 | 23.5 |
| 54 | | | | | | 24.6 | 24.0 | 22.1 |
| 56 | | | | | | | 22.7 | 20.7 |
| 58 | | | | | | | 21.6 | 19.4 |
| 60 | | | | | | | 20.5 | 18.1 |
| 62 | | | | | | | | 16.8 |
| 64 | | | | | | | | 15.7 |
| 6 | | | | | | | | 14.6 |

Notes:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. ◇—tower jib combination length needs to use 2.590m center hitch; ☆—— tower jib combination length needs to use 3.905m center hitch.
3. For boom sections, fixed jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be installed.
4. For boom raising, position crawler drive sprocket at the rear of the crane; it is suggested to use auxiliary crane or wedge block to help boom raising.

# Main Working Conditions

Tower jib working condition_tower jib main hook lifting capacity table (without boom pulley block and tower jib single top, HW/1_85° _135t+50t_36m, optional)

| boom length (m) | 36 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| HW/1 | tower jib length (m) | | | | | | | |
| Radius | 24 | 30 | 36 | 42 | 48 | 54 | 60◇ | 66☆ |
| (m) | t | t | t | t | t | t | t | t |
| 13 | 135.5 | | | | | | | |
| 14 | 131.1 | | | | | | | |
| 15 | 122.6 | 110.5 | | | | | | |
| 16 | 115.2 | 109.6 | 91.7 | | | | | |
| 17 | 108.6 | 104.9 | 91.3 | | | | | |
| 18 | 102.7 | 99.4 | 90.6 | 75.5 | | | | |
| 19 | 97.4 | 94.3 | 90.0 | 75.5 | | | | |
| 20 | 92.6 | 89.6 | 86.6 | 75.4 | 60.4 | | | |
| 22 | 82.5 | 81.7 | 78.9 | 75.2 | 60.1 | 49.2 | | |
| 24 | 73.9 | 73.5 | 72.4 | 70.3 | 59.9 | 48.9 | 40.0 | 33.6 |
| 26 | 66.9 | 66.4 | 65.7 | 64.9 | 59.5 | 48.6 | 39.7 | 33.2 |
| 28 | 60.9 | 60.5 | 59.8 | 59.3 | 58.0 | 48.1 | 39.3 | 32.8 |
| 30 | | 55.6 | 54.9 | 54.4 | 53.4 | 47.7 | 38.9 | 32.4 |
| 32 | | 51.2 | 50.7 | 50.2 | 49.3 | 47.4 | 38.5 | 32.0 |
| 34 | | 47.4 | 47.0 | 46.5 | 45.6 | 45.0 | 38.2 | 31.6 |
| 36 | | | 43.7 | 43.3 | 42.3 | 41.8 | 37.8 | 31.2 |
| 38 | | | 40.8 | 40.4 | 39.6 | 39.0 | 37.0 | 30.8 |
| 40 | | | | 37.8 | 37.0 | 36.4 | 35.2 | 30.4 |
| 42 | | | | 35.4 | 34.8 | 34.2 | 33.3 | 30.1 |
| 44 | | | | 33.4 | 32.7 | 32.1 | 31.4 | 28.8 |
| 46 | | | | | 30.8 | 30.3 | 29.6 | 27.6 |
| 48 | | | | | 29.2 | 28.7 | 27.8 | 26.3 |
| 50 | | | | | 27.3 | 27.1 | 26.1 | 24.9 |
| 52 | | | | | | 25.3 | 24.7 | 23.5 |
| 54 | | | | | | 23.7 | 23.2 | 22.1 |
| 56 | | | | | | 21.8 | 21.5 | 20.7 |
| 58 | | | | | | | 20.0 | 19.4 |
| 60 | | | | | | | 18.5 | 18.2 |
| 62 | | | | | | | 17.2 | 17.0 |
| 64 | | | | | | | | 15.7 |
| 66 | | | | | | | | 14.7 |
| 68 | | | | | | | | 13.5 |

Notes:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. ◇—tower jib combination length needs to use 2.590m center hitch; ☆—— tower jib combination length needs to use 3.905m center hitch.
3. For boom sections, fixed jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be installed.
4. For boom raising, position crawler drive sprocket at the rear of the crane; it is suggested to use auxiliary crane or wedge block to help boom raising.



Tower jib working condition_tower jib main hook lifting capacity table (without boom pulley block and tower jib single top, HW/1_85° _135t+50t_48m, optional)

| boom length (m) | 48 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| HW/1 | tower jib length (m) | | | | | | | |
| Radius | 24 | 30 | 36 | 42 | 48 | 54 | 60◇ | 66☆ |
| (m) | t | t | t | t | t | t | t | t |
| 14 | 121.1 | | | | | | | |
| 15 | 113.6 | | | | | | | |
| 16 | 107.0 | 98.7 | | | | | | |
| 17 | 101.1 | 97.8 | 80.0 | | | | | |
| 18 | 95.8 | 92.7 | 79.9 | | | | | |
| 19 | 91.1 | 88.2 | 79.7 | 65.4 | | | | |
| 20 | 86.7 | 84.0 | 79.4 | 65.3 | | | | |
| 22 | 79.3 | 76.8 | 74.2 | 65.0 | 53.2 | 44.3 | | |
| 24 | 73.0 | 70.6 | 68.3 | 65.4 | 52.9 | 44.1 | 36.6 | |
| 26 | 66.3 | 65.4 | 63.1 | 60.4 | 52.7 | 43.9 | 36.4 | 30.6 |
| 28 | 60.4 | 60.0 | 58.8 | 56.1 | 50.7 | 43.6 | 36.1 | 30.3 |
| 30 | | 55.1 | 54.4 | 52.5 | 48.2 | 42.8 | 35.8 | 30.1 |
| 32 | | 50.8 | 50.0 | 48.7 | 45.1 | 40.5 | 35.5 | 29.8 |
| 34 | | 46.6 | 46.1 | 44.7 | 41.9 | 38.9 | 34.2 | 29.5 |
| 36 | | | 41.9 | 41.0 | 39.0 | 36.4 | 32.4 | 29.0 |
| 38 | | | 37.9 | 37.5 | 36.0 | 34.1 | 31.2 | 27.6 |
| 40 | | | 34.4 | 34.2 | 33.2 | 31.6 | 29.4 | 26.1 |
| 42 | | | | 31.2 | 30.5 | 29.4 | 27.5 | 25.3 |
| 44 | | | | 28.5 | 28.2 | 27.3 | 25.7 | 23.9 |
| 46 | | | | 26.0 | 25.8 | 25.2 | 24.0 | 22.4 |
| 48 | | | | | 23.7 | 23.4 | 22.2 | 21.0 |
| 50 | | | | | 21.6 | 21.5 | 20.8 | 19.7 |
| 52 | | | | | 19.9 | 19.9 | 19.2 | 18.3 |
| 54 | | | | | | 18.3 | 17.9 | 17.1 |
| 56 | | | | | | 16.7 | 16.6 | 15.9 |
| 58 | | | | | | | 15.2 | 14.8 |
| 60 | | | | | | | 14.0 | 13.6 |
| 62 | | | | | | | 12.8 | 12.6 |
| 64 | | | | | | | | 11.5 |
| 66 | | | | | | | | 10.6 |
| 68 | | | | | | | | 9.7 |

Notes:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. ◇—tower jib combination length needs to use 2.590m center hitch; ☆—— tower jib combination length needs to use 3.905m center hitch.
3. For boom sections, fixed jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be installed.
4. For boom raising, position crawler drive sprocket at the rear of the crane; it is suggested to use auxiliary crane or wedge block to help boom raising.

# Main Working Conditions

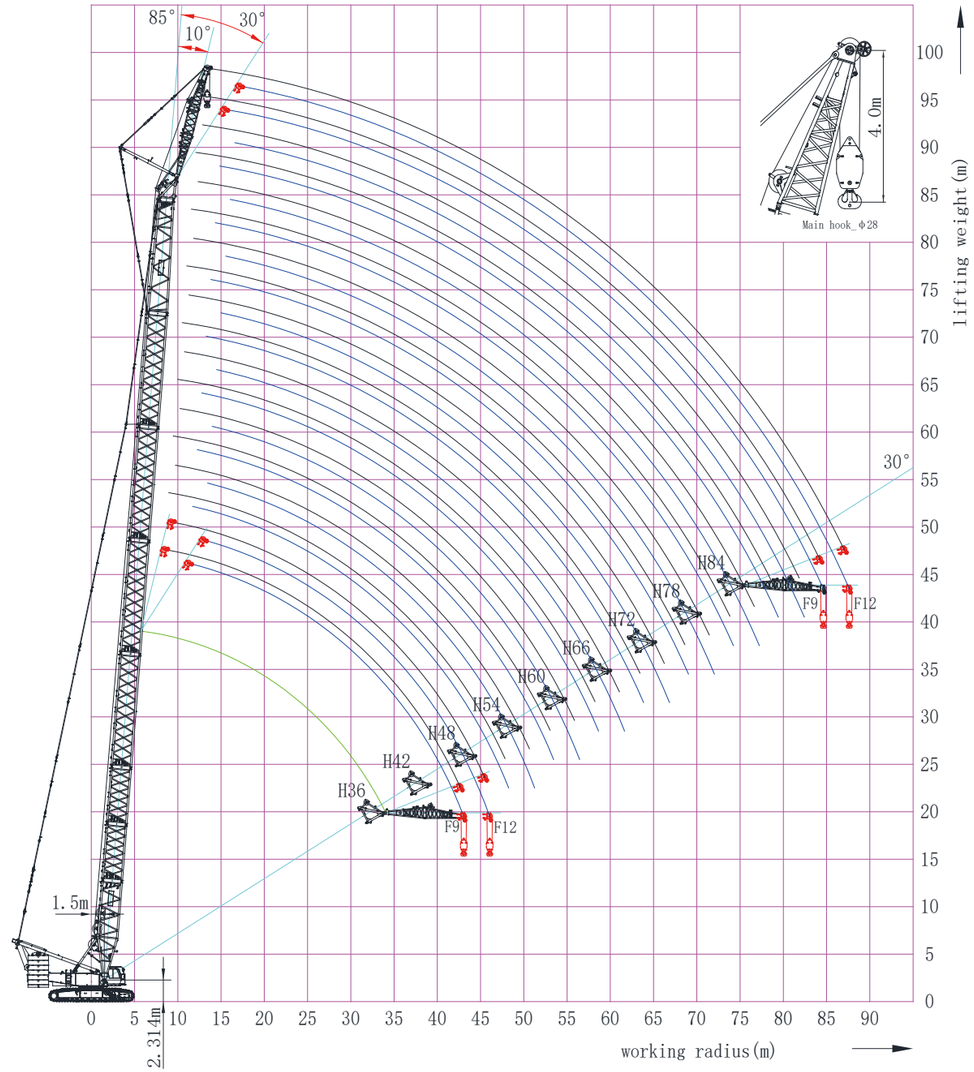
Tower jib working condition_tower jib main hook lifting capacity table (without boom pulley block and tower jib single top, HW/1_85° _135t+50t_66m, optional)

| boom length (m) | 66 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| HW/1 | tower jib length (m) | | | | | | | |
| Radius | 24 | 30 | 36 | 42 | 48 | 54 | 60◇ | 66☆ |
| (m) | t | t | t | t | t | t | t | t |
| 16 | 82.0 | | | | | | | |
| 17 | 80.4 | 70.2 | | | | | | |
| 18 | 80.0 | 69.2 | | | | | | |
| 19 | 78.2 | 69.4 | 59.2 | | | | | |
| 20 | 76.4 | 68.3 | 58.6 | | | | | |
| 22 | 69.7 | 64.8 | 58.5 | 50.0 | 42.6 | | | |
| 24 | 63.1 | 59.4 | 55.1 | 49.1 | 42.2 | 36.3 | | |
| 26 | 57.0 | 54.4 | 51.0 | 47.1 | 41.3 | 36.0 | 30.7 | |
| 28 | 51.6 | 49.6 | 47.1 | 43.9 | 39.9 | 35.3 | 30.4 | 26.2 |
| 30 | 46.7 | 45.1 | 43.2 | 40.7 | 37.5 | 34.2 | 29.7 | 26.0 |
| 32 | | 41.1 | 39.6 | 37.7 | 35.0 | 32.2 | 29.0 | 25.2 |
| 34 | | 37.3 | 36.3 | 34.7 | 32.6 | 30.3 | 27.5 | 24.8 |
| 36 | | 33.8 | 33.2 | 32.0 | 30.2 | 28.3 | 26.0 | 23.5 |
| 38 | | | 30.3 | 29.4 | 28.1 | 26.4 | 24.4 | 22.2 |
| 40 | | | 27.6 | 27.0 | 25.7 | 24.6 | 22.8 | 20.9 |
| 42 | | | 25.1 | 24.7 | 23.9 | 22.7 | 21.3 | 19.7 |
| 44 | | | | 22.6 | 21.9 | 21.1 | 19.7 | 18.4 |
| 46 | | | | 20.7 | 20.1 | 19.5 | 18.4 | 17.2 |
| 48 | | | | 18.8 | 18.5 | 18.0 | 17.1 | 16.1 |
| 50 | | | | | 17.0 | 16.5 | 15.8 | 14.9 |
| 52 | | | | | 15.5 | 15.3 | 14.7 | 13.7 |
| 54 | | | | | | 14.0 | 13.4 | 12.8 |
| 56 | | | | | | 12.9 | 12.3 | 11.7 |
| 58 | | | | | | 11.7 | 11.3 | 10.8 |
| 60 | | | | | | | 10.4 | 10.0 |
| 62 | | | | | | | 9.5 | 9.1 |
| 64 | | | | | | | 8.6 | 8.3 |
| 66 | | | | | | | | 7.6 |
| 68 | | | | | | | | 6.9 |
| 70 | | | | | | | | 6.2 |

Notes:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. ◇—tower jib combination length needs to use 2.590m center hitch; ☆-- tower jib combination length needs to use 3.905m center hitch.
3. For boom sections, fixed jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be installed.
4. For boom raising, position crawler drive sprocket at the rear of the crane; it is suggested to use auxiliary crane or wedge block to help boom raising.

Fixed jib working condition_fixed jib main hook (without boom pulley block, HF/1)

Fixed jib working condition_fixed jib main hook working range (without boom pulley block, HF/1)




Fixed jib working condition_fixed jib main hook working range (without boom pulley block, HF/1)

# Main Working Conditions

Fixed jib working condition_fixed jib main hook (without boom pulley block, HF12/1_10° _130t+50t)

| HF12/1 | boom length (m) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Fixed jib main hook | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78* | 84* |
| Radius (m) | t | t | t | t | t | t | t | t | t |
| 10 | 126.2 | 126.3 | | | | | | | |
| 11 | 125.1 | 125.1 | 124.6 | 123.9 | | | | | |
| 12 | 124.0 | 124.5 | 123.7 | 123.1 | 122.2 | 111.6 | | | |
| 13 | 123.0 | 123.4 | 122.8 | 122.3 | 121.5 | 109.6 | 99.9 | 88.2 | |
| 14 | 122.1 | 122.7 | 122.0 | 118.0 | 113.8 | 107.8 | 99.1 | 87.7 | 76.9 |
| 16 | 114.0 | 113.8 | 106.1 | 102.5 | 99.0 | 95.7 | 92.5 | 85.3 | 75.9 |
| 18 | 97.4 | 97.4 | 93.3 | 90.3 | 87.3 | 84.5 | 81.6 | 79.0 | 75.0 |
| 20 | 83.6 | 84.1 | 83.0 | 80.4 | 77.7 | 75.2 | 72.8 | 70.4 | 68.1 |
| 22 | 73.4 | 73.6 | 72.7 | 72.2 | 69.8 | 67.5 | 65.3 | 63.2 | 61.1 |
| 24 | 65.0 | 65.3 | 64.2 | 63.7 | 63.0 | 61.1 | 59.0 | 57.1 | 55.2 |
| 26 | 58.3 | 58.3 | 57.3 | 56.8 | 56.2 | 55.5 | 53.6 | 51.9 | 50.0 |
| 28 | 52.6 | 52.6 | 51.5 | 50.9 | 50.3 | 49.7 | 48.9 | 47.3 | 45.6 |
| 30 | 47.8 | 47.8 | 46.5 | 46.0 | 45.3 | 44.8 | 44.1 | 43.3 | 41.6 |
| 32 | 43.6 | 43.5 | 42.3 | 41.8 | 41.1 | 40.5 | 39.9 | 39.3 | 38.1 |
| 34 | 39.8 | 39.9 | 38.6 | 38.1 | 37.4 | 36.8 | 36.1 | 35.6 | 34.9 |
| 36 | 36.5 | 36.6 | 35.5 | 34.9 | 34.1 | 33.5 | 32.9 | 32.3 | 31.6 |
| 38 | 34.0 | 33.7 | 32.6 | 32.0 | 31.3 | 30.6 | 29.9 | 29.4 | 28.7 |
| 40 | 31.3 | 31.3 | 30.0 | 29.5 | 28.8 | 28.2 | 27.4 | 26.9 | 26.2 |
| 42 | 29.1 | 28.9 | 27.8 | 27.2 | 26.4 | 25.8 | 25.1 | 24.6 | 23.9 |
| 44 | 27.2 | 26.9 | 25.7 | 25.1 | 24.4 | 23.8 | 23.1 | 22.5 | 21.8 |
| 46 | 24.5 | 24.4 | 23.9 | 23.3 | 22.6 | 21.9 | 21.1 | 20.6 | 19.9 |
| 48 | 22.8 | 22.8 | 22.1 | 21.5 | 20.8 | 20.2 | 19.5 | 18.9 | 18.2 |
| 50 | 21.2 | 21.1 | 20.6 | 20.0 | 19.3 | 18.7 | 17.8 | 17.3 | 16.6 |
| 52 | | | 19.1 | 18.6 | 17.8 | 17.2 | 16.4 | 15.9 | 15.2 |
| 54 | | | 17.7 | 17.2 | 16.5 | 15.9 | 15.1 | 14.6 | 13.8 |
| 56 | | | | 16.0 | 15.3 | 14.7 | 13.8 | 13.4 | 12.6 |
| 60 | | | | 13.7 | 13.0 | 12.4 | 11.7 | 11.2 | 10.4 |
| 66 | | | | | 10.3 | 9.6 | 8.9 | 8.4 | 7.6 |
| 68 | | | | | | 8.8 | 8.1 | 7.6 | 6.8 |
| 70 | | | | | | 8.0 | 7.3 | 6.8 | 6.0 |
| 76 | | | | | | | 5.2 | 4.7 | 4.0 |
| 80 | | | | | | | | 3.5 | 2.8 |

Notes:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. “*” —boom combination length needs to use 1.31m center hitch.
3. For boom sections, tower jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be removed.
4. For boom raising, position crawler drive sprocket at the rear of the crane.

Fixed jib working condition_fixed jib main hook (without boom pulley block, HF9/1_10° _135t+50t, optional)

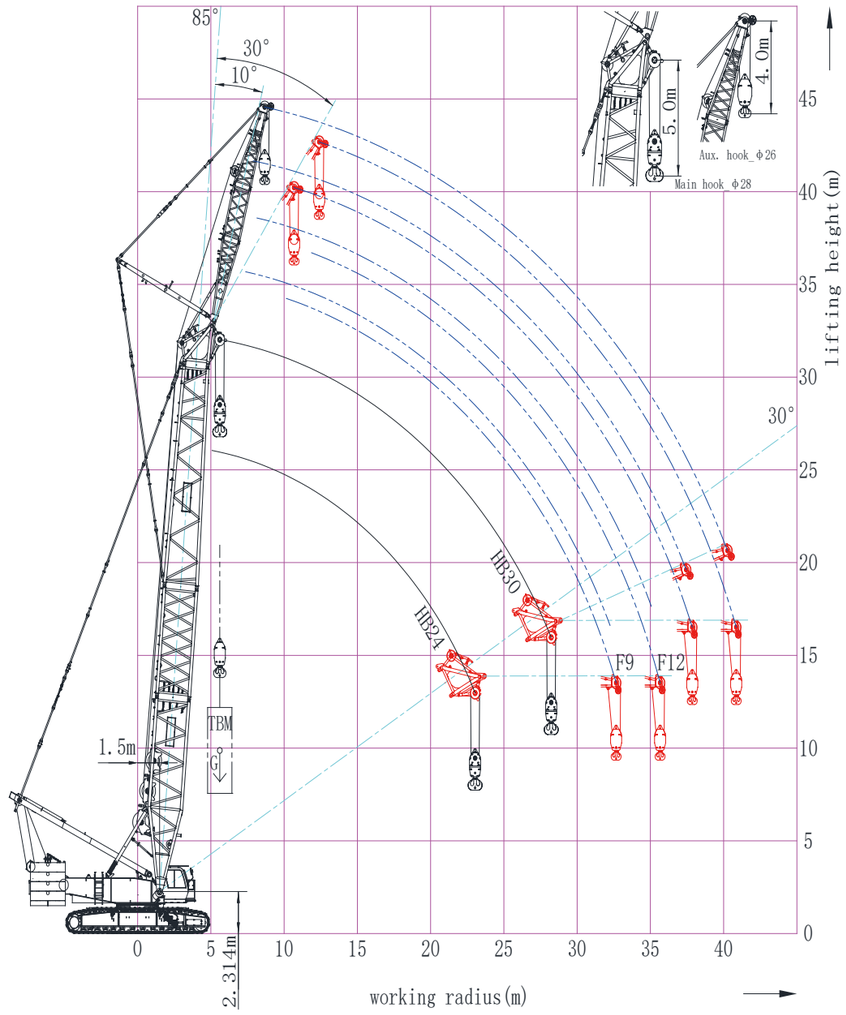
| HF9/1 | boom length (m) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Fixed jib main hook | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78* | 84* |
| Radius (m) | t | t | t | t | t | t | t | t | t |
| 9 | 145.0 | | | | | | | | |
| 10 | 143.5 | 143.0 | 142.5 | | | | | | |
| 11 | 142.3 | 142.0 | 141.3 | 140.3 | 139.0 | | | | |
| 12 | 141.3 | 141.1 | 140.6 | 139.7 | 138.3 | 125.2 | 111.5 | | |
| 13 | 140.5 | 140.4 | 139.6 | 134.4 | 129.4 | 123.0 | 110.4 | 96.9 | 84.4 |
| 14 | 139.0 | 134.0 | 129.0 | 124.4 | 119.8 | 115.6 | 109.5 | 96.4 | 83.9 |
| 16 | 119.3 | 115.8 | 111.7 | 108.0 | 104.2 | 100.7 | 97.2 | 93.9 | 82.7 |
| 18 | 101.0 | 100.6 | 98.1 | 95.0 | 91.7 | 88.7 | 85.8 | 83.0 | 80.2 |
| 20 | 87.2 | 86.7 | 86.2 | 84.4 | 81.6 | 79.0 | 76.4 | 73.9 | 71.4 |
| 22 | 76.3 | 75.9 | 75.3 | 74.9 | 73.2 | 70.9 | 68.5 | 66.4 | 64.2 |
| 24 | 67.6 | 67.2 | 66.6 | 66.0 | 65.4 | 64.1 | 62.0 | 60.0 | 57.9 |
| 26 | 60.5 | 60.0 | 59.4 | 58.9 | 58.2 | 57.7 | 56.3 | 54.4 | 52.5 |
| 28 | 54.5 | 54.1 | 53.4 | 52.8 | 52.2 | 51.6 | 51.0 | 49.6 | 47.8 |
| 30 | 49.4 | 49.0 | 48.3 | 47.7 | 47.1 | 46.5 | 45.9 | 45.2 | 43.7 |
| 32 | 45.0 | 44.6 | 43.9 | 43.4 | 42.6 | 42.1 | 41.4 | 40.8 | 40.0 |
| 34 | 41.3 | 40.8 | 40.1 | 39.5 | 38.9 | 38.3 | 37.5 | 36.9 | 36.3 |
| 36 | 38.0 | 37.4 | 36.8 | 36.2 | 35.5 | 34.9 | 34.2 | 33.6 | 32.9 |
| 38 | 34.9 | 34.5 | 33.8 | 33.3 | 32.6 | 31.9 | 31.2 | 30.6 | 29.8 |
| 40 | 32.2 | 31.8 | 31.2 | 30.7 | 30.0 | 29.3 | 28.5 | 28.0 | 27.2 |
| 42 | 29.8 | 29.5 | 28.8 | 28.3 | 27.6 | 26.9 | 26.2 | 25.6 | 24.9 |
| 44 | | 27.4 | 26.7 | 26.1 | 25.4 | 24.8 | 24.0 | 23.4 | 22.7 |
| 46 | | 25.4 | 24.8 | 24.2 | 23.5 | 22.9 | 22.0 | 21.5 | 20.7 |
| 48 | | | 23.0 | 22.5 | 21.7 | 21.1 | 20.3 | 19.8 | 18.9 |
| 50 | | | 21.3 | 20.8 | 20.1 | 19.4 | 18.7 | 18.1 | 17.4 |
| 52 | | | 19.9 | 19.3 | 18.6 | 18.0 | 17.2 | 16.6 | 15.8 |
| 54 | | | | 17.9 | 17.2 | 16.6 | 15.8 | 15.3 | 14.5 |
| 58 | | | | 15.5 | 14.8 | 14.1 | 13.4 | 12.8 | 12.1 |
| 62 | | | | | 12.6 | 12.1 | 11.2 | 10.7 | 9.9 |
| 68 | | | | | | 9.3 | 8.5 | 8.0 | 7.2 |
| 72 | | | | | | | 7.0 | 6.4 | 5.7 |
| 78 | | | | | | | | 4.4 | 3.6 |
| 80 | | | | | | | | | 3.0 |

Notes:
1. The actual weight of hook, sling and rope on hook and boom head must be deducted from the rated lifting capacity in the table.
2. “*” —boom combination length needs to use 1.31m center hitch.
3. For boom sections, tower jib rear pendant needs to be removed; for boom tapered section, tower jib guide pulley needs to be removed.
4. For boom raising, position crawler drive sprocket at the rear of the crane.

# Main Working Conditions

TBM working condition_boom main hook (no load on TBM jib aux. hook, TBF/1)

TBM working condition_boom main hook working range (no load on TBM jib aux. hook, TBF/1)




TBM working condition_boom main hook working range (no load on TBM jib aux. hook, TBF/1)

TBM working condition_boom main hook lifting capacity table (no load on TBM jib aux. hook, TBF/1_F9_10° )

| boom length (m) | 24 | | | | 30 | | | |
|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 9 | | | | 9 | | | |
| Angle between boom and jib (° ) | 10° | | | | 10° | | | |
| Turntablecounterweight (t) | 130 | 110 | 90 | 135[optional] | 130 | 110 | 90 | 135[optional] |
| Car-body counterweight (t) | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Main hook radius (m) | t | t | t | t | t | t | t | t |
| 7 | 300.0 | 300.0 | 285.0 | 300.0 | 300.0 | 290.0 | 265.0 | 300.0 |
| 8 | 284.7 | 267.3 | 234.7 | 290.0 | 280.5 | 248.3 | 218.7 | 284.0 |
| 10 | 222.6 | 197.1 | 172.7 | 228.4 | 210.3 | 185.8 | 163.3 | 212.8 |
| 12 | 164.5 | 145.1 | 126.7 | 168.5 | 164.2 | 144.8 | 127.0 | 166.4 |
| 13 | 144.8 | 127.7 | 111.1 | 148.6 | 144.4 | 127.3 | 111.1 | 146.4 |
| 14 | 129.0 | 113.4 | 98.5 | 131.3 | 128.6 | 113.0 | 98.6 | 130.3 |
| 16 | 105.0 | 91.9 | 79.4 | 107.1 | 104.4 | 91.5 | 79.3 | 106.0 |
| 18 | 87.6 | 76.5 | 65.7 | 89.3 | 87.1 | 76.0 | 65.5 | 88.4 |
| 20 | 74.4 | 64.7 | 55.2 | 76.0 | 74.0 | 64.1 | 55.0 | 75.3 |
| 22 | 64.1 | 55.4 | 47.1 | 65.7 | 63.6 | 55.0 | 46.8 | 64.9 |
| 24 | | | | | 55.4 | 47.6 | 40.2 | 56.4 |
| 28 | | | | | 42.8 | 36.4 | 30.1 | 43.7 |

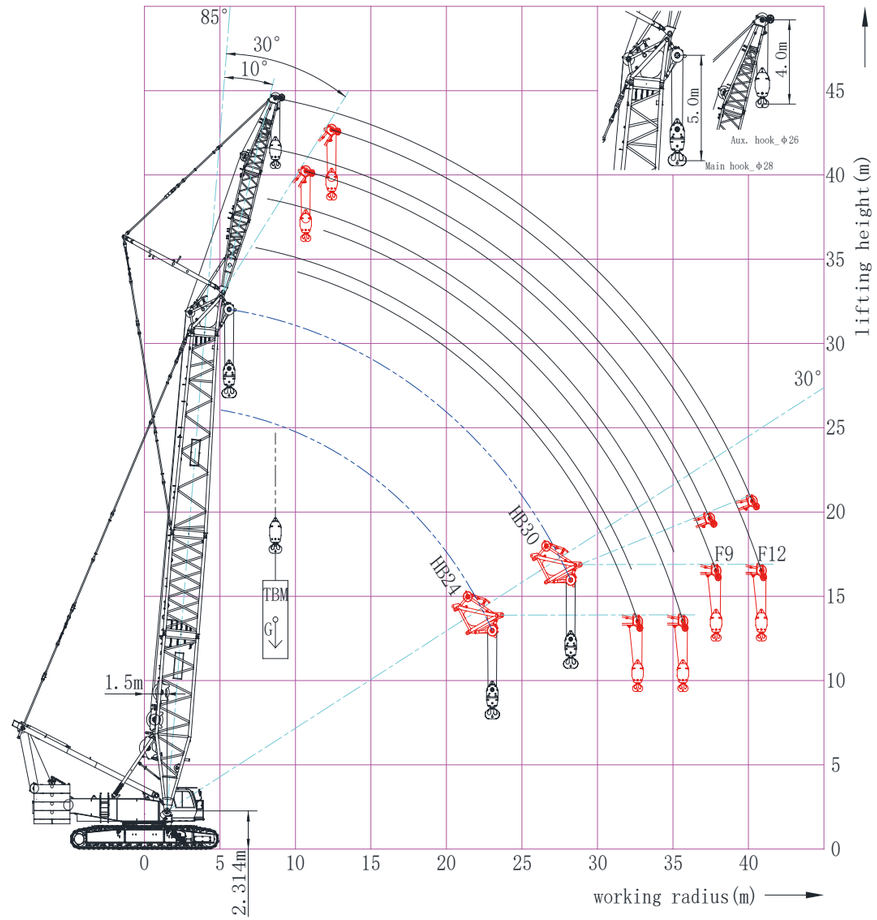
TBM working condition_boom main hook lifting capacity table (no load on TBM jib aux. hook, TBF/1_F12_30° )

| boom length (m) | 24 | | | | 30 | | | |
|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 12 | | | | 12 | | | |
| Angle between boom and jib (° ) | 30° | | | | 30° | | | |
| Turntablecounterweight (t) | 130 | 110 | 90 | 135[optional] | 130 | 110 | 90 | 135[optional] |
| Car-body counterweight (t) | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Main hook radius (m) | t | t | t | t | t | t | t | t |
| 7 | 300.0 | 295.0 | 282.0 | 300.0 | 293.0 | 282.0 | 262.0 | 295.0 |
| 8 | 281.3 | 264.5 | 231.9 | 284.4 | 276.2 | 244.6 | 214.1 | 279.6 |
| 10 | 219.5 | 194.5 | 170.1 | 223.2 | 206.2 | 182.4 | 159.0 | 209.0 |
| 12 | 161.6 | 142.7 | 124.2 | 164.6 | 160.4 | 141.5 | 123.0 | 162.6 |
| 13 | 142.1 | 125.2 | 108.7 | 144.7 | 140.7 | 123.9 | 107.3 | 142.7 |
| 14 | 126.4 | 111.1 | 96.2 | 128.8 | 124.9 | 109.7 | 94.8 | 126.9 |
| 16 | 102.4 | 89.5 | 77.1 | 104.4 | 101.0 | 88.2 | 75.7 | 102.5 |
| 18 | 85.1 | 74.1 | 63.3 | 87.0 | 83.6 | 72.7 | 61.9 | 85.1 |
| 20 | 72.0 | 62.4 | 53.0 | 73.6 | 70.7 | 61.0 | 51.6 | 71.9 |
| 22 | 61.8 | 53.2 | 44.9 | 63.2 | 60.4 | 51.9 | 43.4 | 61.5 |
| 24 | | | | | 52.1 | 44.5 | 36.9 | 53.2 |
| 28 | | | | | 39.7 | 33.2 | 26.9 | 40.6 |

# Main Working Conditions

TBM working condition_TBM jib aux. hook (no load on boom main hook, TBF/2)

TBM working condition_TBM jib aux. hook working range (no load on boom main hook, TBF/2)




TBM working condition_TBM jib aux. hook working range (no load on boom main hook, TBF/2)

TBM working condition_ TBM jib aux. hook lifting capacity table (no load on boom mian hook, TBF/2_F9_10° )

| boom length (m) | 24 | | | | 30 | | | |
|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 9 | | | | 9 | | | |
| Angle between boom and jib (° ) | 10° | | | | 10° | | | |
| Turntablecounterweight (t) | 130 | 110 | 90 | 135[optional] | 130 | 110 | 90 | 135[optional] |
| Car-body counterweight (t) | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Main hook radius (m) | t | t | t | t | t | t | t | t |
| 8 | 148.0 | 146.0 | 144.0 | 150.0 | 145.0 | 144.0 | 143.4 | 146.0 |
| 10 | 144.2 | 140.8 | 140.1 | 145.9 | 141.7 | 140.3 | 140.3 | 142.2 |
| 12 | 139.2 | 137.9 | 133.1 | 141.3 | 139.8 | 138.5 | 126.9 | 140.9 |
| 13 | 138.2 | 136.1 | 119.9 | 139.3 | 138.8 | 131.8 | 115.5 | 139.6 |
| 14 | 137.5 | 122.0 | 107.3 | 138.4 | 135.8 | 121.0 | 105.9 | 137.9 |
| 16 | 113.9 | 100.5 | 88.1 | 117.7 | 113.4 | 100.0 | 87.6 | 117.2 |
| 18 | 96.5 | 84.8 | 74.2 | 99.8 | 95.9 | 84.3 | 73.6 | 99.2 |
| 20 | 83.3 | 73.1 | 63.7 | 86.1 | 82.7 | 72.5 | 63.2 | 85.5 |
| 22 | 73.0 | 63.9 | 55.6 | 75.5 | 72.3 | 63.3 | 54.9 | 74.9 |
| 24 | 64.7 | 56.6 | 49.1 | 67.0 | 64.1 | 55.9 | 48.4 | 66.3 |
| 28 | 52.1 | 45.2 | 39.1 | 54.0 | 51.5 | 44.6 | 38.5 | 53.3 |
| 32 | 42.9 | 37.2 | 31.7 | 44.6 | 42.3 | 36.7 | 31.2 | 44.0 |
| 36 | | | | | 35.4 | 30.4 | 25.8 | 36.9 |

TBM working condition_ TBM jib aux. hook lifting capacity table (no load on boom main hook, TBF/2_F12_30° )

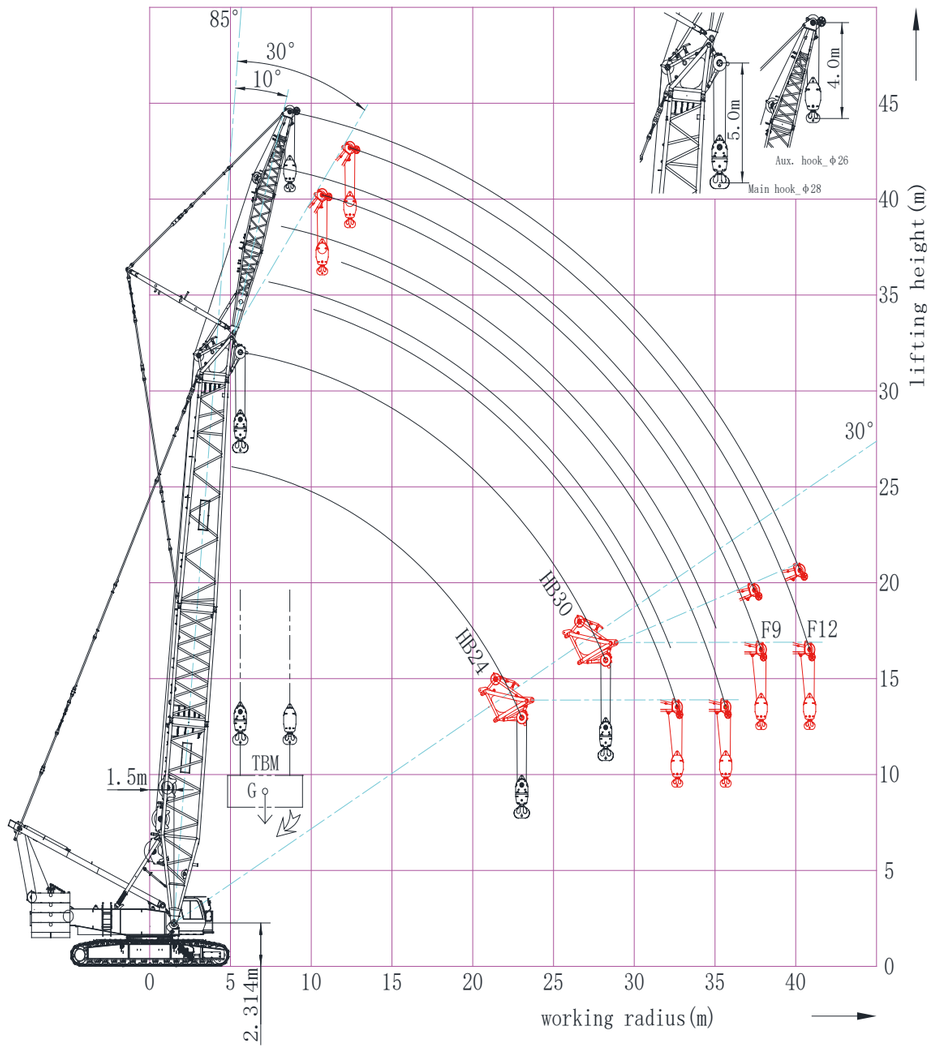
| boom length (m) | 24 | | | | 30 | | | |
|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 12 | | | | 12 | | | |
| Angle between boom and jib (° ) | 30° | | | | 30° | | | |
| Turntablecounterweight (t) | 130 | 110 | 90 | 135[optional] | 130 | 110 | 90 | 135[optional] |
| Car-body counterweight (t) | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Main hook radius (m) | t | t | t | t | t | t | t | t |
| 12 | 127.0 | 126.0 | 126.0 | 127.0 | | | | |
| 13 | 122.0 | 120.8 | 120.8 | 122.0 | 125.0 | 124.0 | 118.0 | 125.0 |
| 14 | 116.7 | 115.8 | 110.4 | 116.7 | 120.1 | 119.1 | 108.0 | 120.1 |
| 16 | 109.1 | 103.0 | 90.7 | 109.1 | 113.0 | 102.9 | 90.5 | 113.0 |
| 18 | 98.6 | 87.2 | 76.5 | 101.8 | 98.3 | 86.9 | 76.3 | 101.5 |
| 20 | 85.1 | 75.0 | 65.8 | 88.0 | 84.8 | 74.7 | 65.4 | 87.6 |
| 22 | 74.5 | 65.7 | 57.4 | 77.1 | 74.1 | 65.3 | 57.0 | 76.6 |
| 26 | 59.1 | 51.8 | 44.9 | 61.2 | 58.7 | 51.4 | 44.5 | 60.7 |
| 30 | 48.2 | 42.0 | 36.4 | 49.9 | 47.8 | 41.6 | 35.8 | 49.5 |
| 34 | 40.0 | 34.6 | 29.7 | 41.5 | 39.7 | 34.2 | 29.3 | 41.2 |
| 36 | | | | | 36.3 | 31.3 | 26.7 | 37.8 |
| 40 | | | | | 30.7 | 26.3 | 22.0 | 31.9 |

TBM working condition_TBM jib aux. hook working range (no load on boom main hook, TBF/2)

# Main Working Conditions

TBM working condition_main and aux. hook blocks combined lifting capacity table (TBF)

TBM working condition_main and aux. hook blocks working range (TBF)




TBM working condition_main and aux. hook blocks working range (TBF)

TBM working condition_ main and aux. hook blocks combined lifting capacity table (TBF_HB24+F9_10° _130t+50t)

| Main hook working radius | Boom reference angle | Main hook performance | Aux. hook reference Radius | Aux. hook performance | Reference radius for main and aux. hook | Total performance for main and aux. hook |
|---|---|---|---|---|---|---|
| (m) | (°) | t | (m) | t | (m) | t |
| 7 | 80.35 | 300.0 | 10.1 | 144.0 | 8.5 | 220.6 |
| 8 | 77.89 | 284.7 | 11.5 | 140.7 | 9.7 | 211.9 |
| 9 | 75.40 | 254.5 | 12.9 | 138.3 | 10.9 | 197.2 |
| 10 | 72.88 | 222.6 | 14.3 | 133.8 | 12.1 | 180.4 |
| 11 | 70.31 | 189.6 | 15.7 | 117.2 | 13.3 | 155.7 |
| 12 | 67.69 | 164.5 | 17.1 | 103.8 | 14.5 | 136.4 |
| 13 | 65.01 | 144.8 | 18.5 | 93.1 | 15.7 | 121.1 |
| 14 | 62.26 | 129.0 | 19.9 | 83.9 | 16.9 | 108.5 |
| 15 | 59.42 | 115.9 | 21.2 | 77.1 | 18.1 | 98.3 |
| 16 | 56.49 | 105.0 | 22.6 | 70.5 | 19.3 | 89.5 |
| 17 | 53.44 | 95.6 | 24.0 | 64.7 | 20.5 | 81.8 |
| 18 | 50.25 | 87.6 | 25.4 | 59.9 | 21.7 | 75.3 |
| 19 | 46.88 | 80.7 | 26.8 | 55.5 | 22.9 | 69.6 |
| 20 | 43.28 | 74.4 | 28.1 | 51.9 | 24.1 | 64.5 |
| 22 | 35.09 | 64.1 | 30.9 | 45.3 | 26.4 | 56.1 |

TBM working condition_ main and aux. hook blocks combined lifting capacity table (TBF_HB30+F12_10° _130t+50t)

| Main hook working radius | Boom reference angle | Main hook performance | Aux. hook reference Radius | Aux. hook performance | Reference radius for main and aux. hook | Total performance for main and aux. hook |
|---|---|---|---|---|---|---|
| (m) | (°) | t | (m) | t | (m) | t |
| 7 | 82.31 | 296.0 | 10.7 | 126.1 | 8.8 | 205.1 |
| 8 | 80.36 | 279.0 | 12.1 | 124.2 | 10.0 | 197.0 |
| 9 | 78.40 | 238.9 | 13.5 | 122.2 | 11.2 | 179.0 |
| 10 | 76.42 | 208.7 | 14.9 | 120.7 | 12.5 | 164.0 |
| 11 | 74.42 | 184.8 | 16.3 | 111.3 | 13.7 | 148.1 |
| 12 | 72.40 | 162.6 | 17.7 | 99.1 | 14.9 | 131.2 |
| 13 | 70.35 | 142.9 | 19.1 | 89.0 | 16.1 | 116.5 |
| 14 | 68.27 | 127.1 | 20.5 | 80.7 | 17.7 | 102.3 |
| 15 | 66.15 | 113.9 | 22.0 | 73.0 | 18.5 | 94.5 |
| 16 | 64.00 | 102.9 | 23.4 | 67.2 | 19.7 | 86.2 |
| 17 | 61.80 | 93.6 | 24.8 | 61.9 | 20.9 | 78.9 |
| 18 | 59.54 | 85.6 | 26.2 | 57.2 | 22.1 | 72.6 |
| 19 | 57.23 | 78.6 | 27.6 | 53.2 | 23.3 | 67.0 |
| 20 | 54.85 | 72.5 | 28.9 | 49.8 | 24.5 | 62.2 |
| 24 | 44.35 | 53.8 | 34.5 | 38.6 | 29.2 | 47.4 |
| 28 | 30.95 | 41.3 | 39.9 | 30.7 | 34.0 | 37.0 |

TBM working condition_ main and aux. hook blocks combined lifting capacity table (TBF_HB24+F9_10° _135t+50t, optional)

| Boom reference angle | Main hook performance | Aux. hook reference radius | Aux. hook performance | Reference radius for main and aux. hook | Total performance for main and aux. hook |
|---|---|---|---|---|---|
| (°) | t | (m) | t | (m) | t |
| 80.35 | 300.0 | 10.1 | 145.8 | 8.5 | 221.7 |
| 77.89 | 290.0 | 11.5 | 143.1 | 9.7 | 215.6 |
| 75.40 | 262.6 | 12.9 | 140.7 | 10.9 | 202.2 |
| 72.88 | 228.4 | 14.3 | 136.1 | 12.1 | 184.4 |
| 70.31 | 194.0 | 15.7 | 121.6 | 13.3 | 160.4 |
| 67.69 | 168.5 | 17.1 | 107.2 | 14.5 | 140.2 |
| 65.01 | 148.6 | 18.5 | 96.3 | 15.7 | 124.7 |
| 62.26 | 131.3 | 19.9 | 86.7 | 16.9 | 111.3 |
| 59.42 | 118.2 | 21.2 | 79.7 | 18.1 | 100.9 |
| 56.49 | 107.1 | 22.6 | 73.0 | 19.3 | 91.9 |
| 50.25 | 89.3 | 25.4 | 62.1 | 21.7 | 77.4 |
| 43.28 | 76.0 | 28.1 | 53.8 | 24.1 | 66.3 |
| 35.09 | 65.7 | 30.9 | 47.0 | 26.4 | 57.9 |

TBM working condition_ main and aux. hook blocks combined lifting capacity table (TBF_HB30+F12_10° _135t+50t, optional)

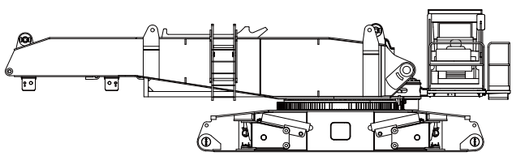
| Main hook working radius | Boom reference angle | Main hook performance | Aux. hook reference Radius | Aux. hook performance | Reference radius for main and aux. hook | Total performance for main and aux. hook |
|---|---|---|---|---|---|---|
| (m) | (°) | t | (m) | t | (m) | t |
| 7 | 82.31 | 297.0 | 10.7 | 126.1 | 8.8 | 205.5 |
| 8 | 80.36 | 282.5 | 12.1 | 124.2 | 10.0 | 198.5 |
| 9 | 78.40 | 242.0 | 13.5 | 122.2 | 11.2 | 180.3 |
| 10 | 76.42 | 211.4 | 14.9 | 120.7 | 12.5 | 165.1 |
| 11 | 74.42 | 187.2 | 16.3 | 115.0 | 13.7 | 151.5 |
| 12 | 72.40 | 164.8 | 17.7 | 102.4 | 14.9 | 134.2 |
| 13 | 70.35 | 144.8 | 19.1 | 92.0 | 16.1 | 119.2 |
| 14 | 68.27 | 128.8 | 20.5 | 83.5 | 17.7 | 104.8 |
| 15 | 66.15 | 115.5 | 22.0 | 75.5 | 18.5 | 96.8 |
| 16 | 64.00 | 104.4 | 23.4 | 69.6 | 19.7 | 88.3 |
| 18 | 59.54 | 86.9 | 26.2 | 59.3 | 22.1 | 74.4 |
| 20 | 54.85 | 73.7 | 28.9 | 51.8 | 24.5 | 63.9 |
| 22 | 49.82 | 63.2 | 31.7 | 45.3 | 26.9 | 55.4 |
| 24 | 44.35 | 54.9 | 34.5 | 40.0 | 29.2 | 48.7 |
| 26 | 38.21 | 48.0 | 37.2 | 35.8 | 31.6 | 43.0 |
| 28 | 30.95 | 42.2 | 39.9 | 32.0 | 34.0 | 38.2 |



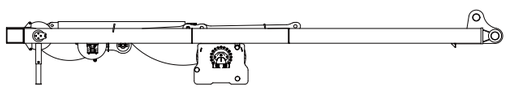
# 50

# XGC350 CRAWLER CRANE

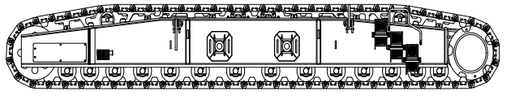
# Transport Information



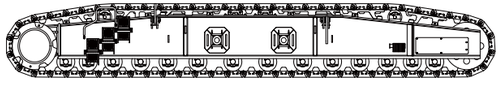
| Basic machine transport plan A | ×1 |
|---|---|
| L | 11700mm |
| W | 3000mm |
| H | 3300mm |
| Weighteight | 37500kg |



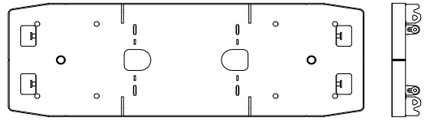
| Mast assembly | ×1 |
|---|---|
| L | 10600mm |
| W | 2200mm |
| H | 1600mm |
| Weighteight | 9500kg |



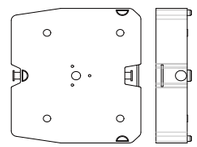
| Left crawler track | ×1 |
|---|---|
| L | 9850mm |
| W | 1550mm |
| H | 1400mm |
| Weighteight | 24500kg |



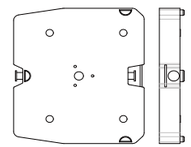
| Right crawler track | ×1 |
|---|---|
| L | 9850mm |
| W | 1450mm |
| H | 1350mm |
| Weighteight | 24500kg |



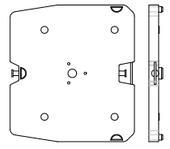
| Turntable counterweight tray | ×1 |
|---|---|
| L | 7100mm |
| W | 2380mm |
| H | 570mm |
| Weighteight | 20000kg |



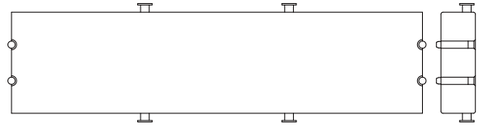
| Turntable counterweight block I | ×10 |
|---|---|
| L | 2100mm |
| W | 2380mm |
| H | 580mm |
| Weighteight | 10000kg |



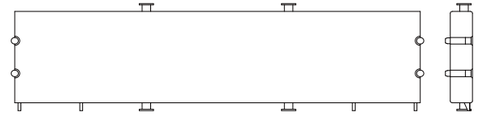
| Turntable counterweight block II | ×2 |
|---|---|
| L | 2100mm |
| W | 2380mm |
| H | 400mm |
| Weighteight | 5000kg |



| Turntable counterweight block III | ×2 |
|---|---|
| L | 2100mm |
| W | 2380mm |
| H | 240mm |
| Weighteight | 2500kg |

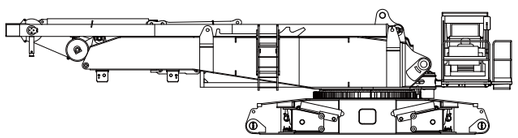


| Car-body counterweight block I | ×2 |
|---|---|
| L | 5800mm |
| W | 1670mm |
| H | 540mm |
| Weighteight | 15000kg |

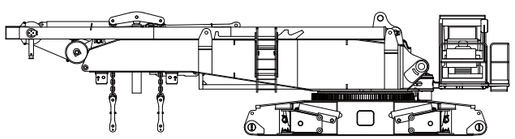


| Turntable counterweight tray | ×2 |
|---|---|
| L | block II |
| W | Car-body |
| H | counterweight |
| Weighteight | block II |

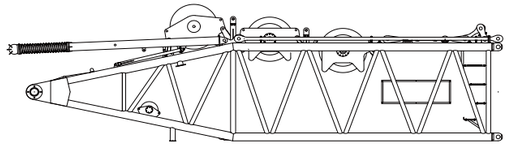
# Transport Information



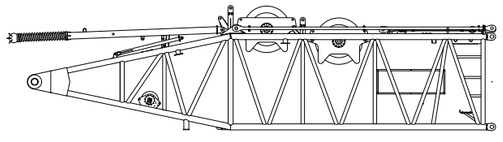
| Basic machine transport plan B | ×1 |
|---|---|
| L | 13500mm |
| W | 3000mm |
| H | 3300mm |
| Weighteight | 47000kg |



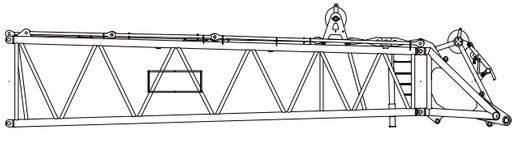
| Basic machine transport plan C | ×1 |
|---|---|
| L | 13500mm |
| W | 3000mm |
| H | 3400mm |
| Weighteight | 48500kg |



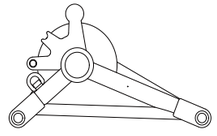
| Boom butt (winch III, optional) | ×1 |
|---|---|
| L | 12250mm |
| W | 3000mm |
| H | 3400mm |
| Weighteight | 21500kg |



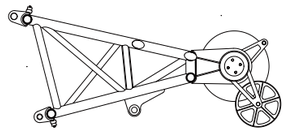
| Boom butt (winch II) | ×1 |
|---|---|
| L | 12250mm |
| W | 3000mm |
| H | 3050mm |
| Weighteight | 16000kg |



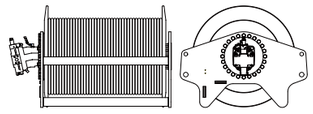
| Boom tapered and connection section | ×1 |
|---|---|
| L | 14750mm |
| W | 3000mm |
| H | 3250mm |
| Weighteight | 8300kg |



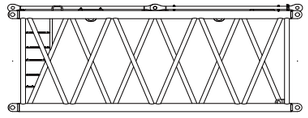
| Boom sheave block | ×1 |
|---|---|
| L | 1700mm |
| W | 1500mm |
| H | 960mm |
| Weighteight | 1300kg |



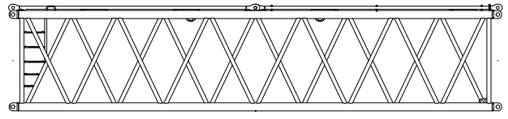
| Boom head pulley | ×1 |
|---|---|
| L | 2400mm |
| W | 1200mm |
| H | 1050mm |
| Weighteight | 400kg |



| Tower jib single top winch (optional) | ×1 |
|---|---|
| L | 1250mm |
| W | 1150mm |
| H | 700mm |
| Weighteight | 4100kg |

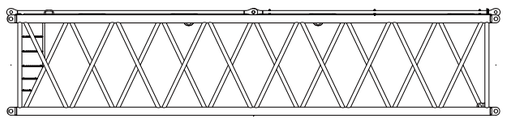


| Boom insert 6m | ×2 |
|---|---|
| L | 6210mm |
| W | 3000mm |
| H | 2550mm |
| Weighteight | 2580kg |

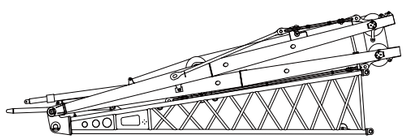


| Boom insert 12mA | ×3 |
|---|---|
| L | 12210mm |
| W | 3000mm |
| H | 2550mm |
| Weighteight | 4470kg |

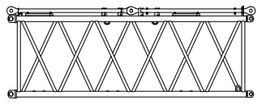
# Transport Information



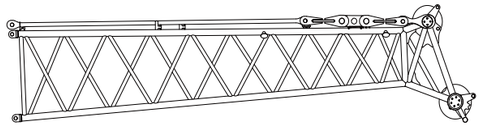
| Boom insert 12mB | ×2 |
|---|---|
| L | 12210mm |
| W | 3000mm |
| H | 2550mm |
| Weighteight | 3750kg |



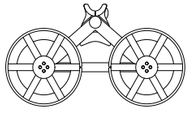
| Tower jib triplet | ×1 |
|---|---|
| L | 11350mm |
| W | 2650mm |
| H | 3300mm |
| Weighteight | 9100kg |



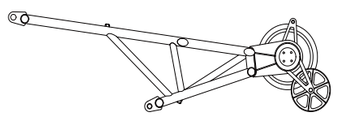
| Tower jib insert 6mA | ×1 |
|---|---|
| L | 6210mm |
| W | 2150mm |
| H | 1950mm |
| Weighteight | 1560kg |

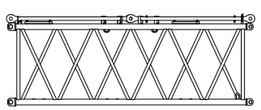


| Tower jib top | ×1 |
|---|---|
| L | 9600mm |
| W | 2150mm |
| H | 2250mm |
| Weighteight | 3100kg |



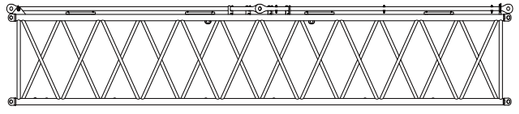
| Power trolley | ×1 |
|---|---|
| L | 1250mm |
| W | 1150mm |
| H | 700mm |
| Weighteight | 400kg |



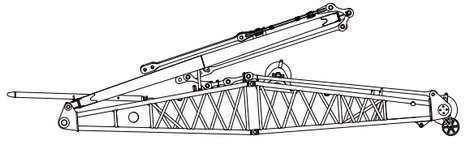


| Tower jib single top (optional) | ×1 |
|---|---|
| L | 3300mm |
| W | 900mm |
| H | 950mm |
| Weighteight | 500kg |

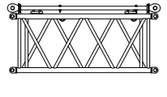
| Tower jib insert 6mB | ×1 |
|---|---|
| L | 6210mm |
| W | 2150mm |
| H | 1950mm |
| Weighteight | 1400kg |



| Tower jib insert 12m | ×3 |
|---|---|
| L | 12210mm |
| W | 2150mm |
| H | 1950mm |
| Weighteight | 2600kg |

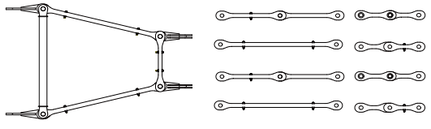


| Fixed jib(9m)/TBM jib (optional) | ×1 |
|---|---|
| L | 11000mm |
| W | 2600mm |
| H | 3000mm |
| Weighteight | 4580kg |

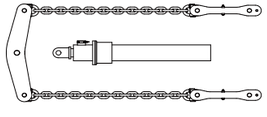


| Fixed jib insert 3m (optional) | ×1 |
|---|---|
| L | 3210mm |
| W | 1550mm |
| H | 1450mm |
| Weighteight | 660kg |

# Transport Information

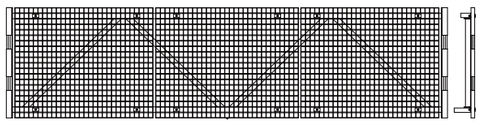


| Additional pendant assembly | ×1 |
|---|---|
| L | 3210mm |
| W | 2200mm |
| H | 300mm |
| Weighteight | 920kg |

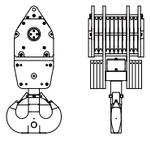


| Turntable counterweight self-assembly group (optional) | ×2 |
|---|---|
| L | 4500mm |
| W | 590mm |
| H | 400mm |
| Weighteight | 400kg |

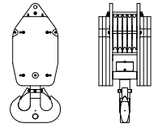
| Turntable counterweight locking chain | ×2 |
|---|---|
| L | 3800mm |
| W | 470mm |
| H | 470mm |
| Weighteight | 200kg |



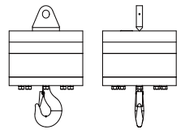
| Catwalk | ×2 |
|---|---|
| L | 3840mm |
| W | 1000mm |
| H | 290mm |
| Weighteight | 200kg |



| 260t capacity hook block | ×1 |
|---|---|
| L | 1070mm |
| W | 1070mm |
| H | 2350mm |
| Weighteight | 4600kg |



| 160t capacity hook block | ×1 |
|---|---|
| L | 850mm |
| W | 870mm |
| H | 2120mm |
| Weighteight | 3900kg |



| 16t capacity hook block | ×1 |
|---|---|
| L | 600mm |
| W | 600mm |
| H | 870mm |
| Weighteight | 900kg |

Notes:
1. The transport dimensions for above components are schematic, they are not drawn to scale, and the dimensions are design values without packaging.
2. The weight is the design value and may vary slightly due to manufacturing error.