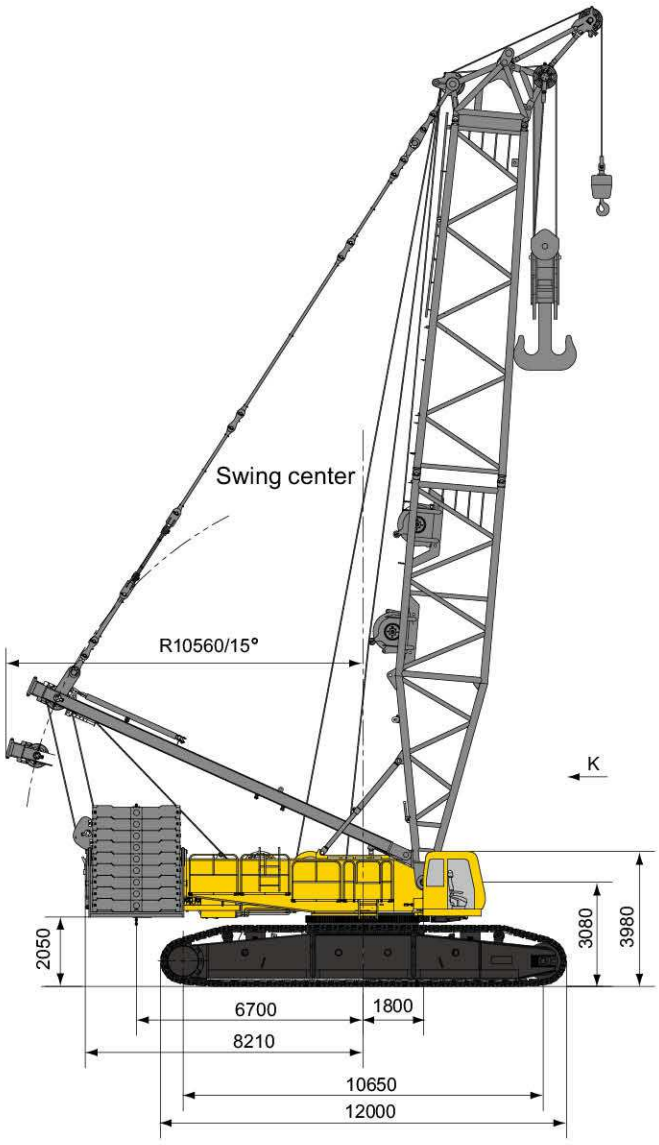
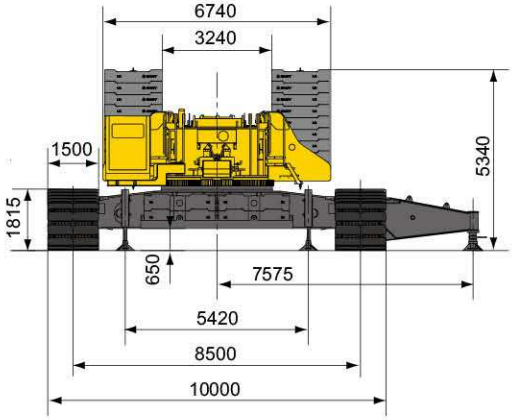
Outline Dimensions

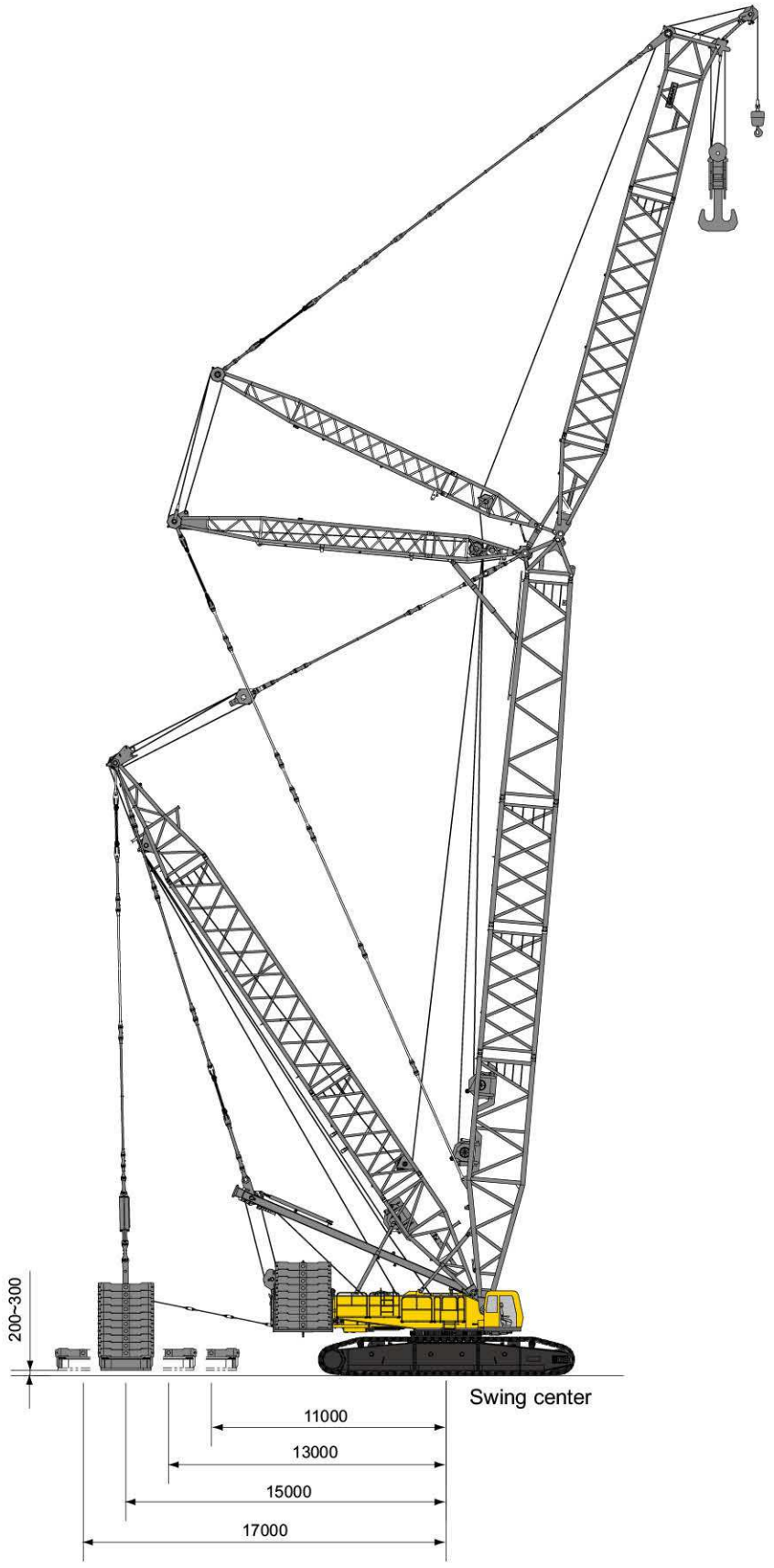


K(Dismount the boom/jib support, luffing mast and etc.)



Outline Dimensions of SCC6300 Hydraulic Crawler Crane

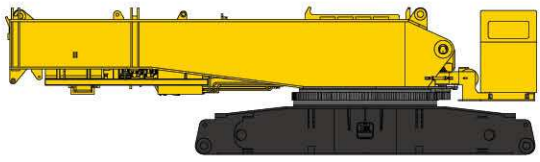
Outline Dimensions



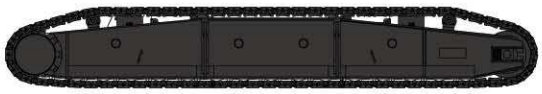
Performance Data

Main Performance Data of SCC6300 Crawler Crane		
Penformence Index	Unit	Data
Max. Rated Load	mt	630(6m Working Radius)
Max. Rated Load(With Super-lift Devices)	mt	630(10m Working Radius)
Max. Rated Moment	mt•m	595×7=4165
Max. Rated Moment(With Super-lift Devices)	mt•m	571.5×14=8000
Boom Length	m	24～84
Boom Length(With Super-lift Devices)	m	36～108
Length of Mixed Boom	m	66～102
Length of Mixed Boom(With Super-lift Devices)	m	90～138
Length of Luffing Jib	m	24～84
Length of Luffing Jib(With Super-lift Devices)	m	24～96
Length of Fixed Short Jib	m	12
Length of Heavy Fixed Short Jib	m	12
Boom Luffing Angle		30°～85°
Jib Luffing Angle		15°～75°
Max. Wire Speed of Main Winch（Outmost Layer）	m/min	110
Max. Wire Speed of Aux. Winch(Outmost Layer)	m/min	105
Max. Wire Speed of Main Luffing Winch(Outmost Layer)	m/min	48×2
Max. Wire Speed of Aux. Luffing Winch(Outmost Layer)	m/min	105
Max. Wire Speed of Super-lift Luffing Winch(Outmost Layer)	m/min	120
Slewing Speed （no load）	rpm	0.6、1.2（Two Speeds）
Traveling Speed	km/h	0~1.11\0~0.55 (Two Speeds)
Gradeability （with Basic Boom and Cab Facing Backward ）		15%
Rated Output Power of Engine	kW/rpm	400/2000
Weight of Overall Crane （with basic Boom,180mt Counterweight,80mt Central Ballast and 630mt Hook ）	kg	510,000
Average Ground Pressure （with Basic Boom,180mt Counterweight,80mt Central Ballast and 630mt Hook ）	MPa	0.15
Counterweight of Basic Machine	kg	180,000
Super-lift Counterweight	kg	300,000
Central Ballast	kg	80,000
Max. Transport Dimensions of Single Part (Length×Width×Height)	mm	12270×3380×3400
Max. Transport Weight of Single Part	kg	70,000

Transport Dimensions

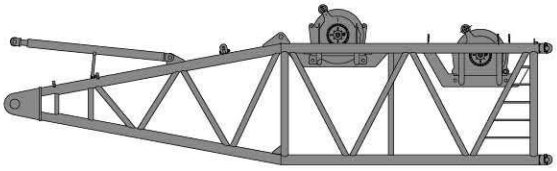


Basic Machine	×1
Length	12.27m
Width	3.30m
Height	3.40m
Weight	70000kg

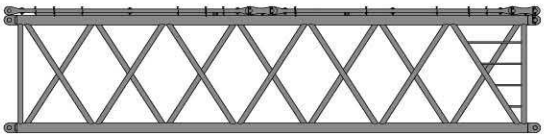


Crawler Assembly	×2
Length	12.00m
Width	2.20m
Height	1.82m
Weight	52000kg

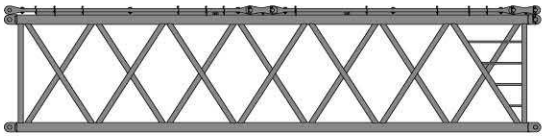
Main Luffing Mast (including winches, etc.)	×1
Length	12.35m
Width	2.30m
Height	1.35m
Weight	19700kg



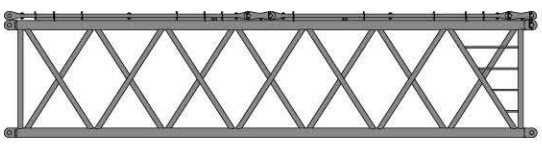
Boom Base (including winches, etc.)	×1
Length	12.36m
Width	3.03m
Height	3.61m
Weight	27500kg



12m Boom Insert A	×1
Length	12.24m
Width	3.09m
Height	2.95m
Weight	9200kg

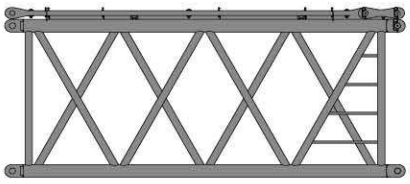


12m Boom Insert B	×3
Length	12.24m
Width	3.09m
Height	2.95m
Weight	8600kg

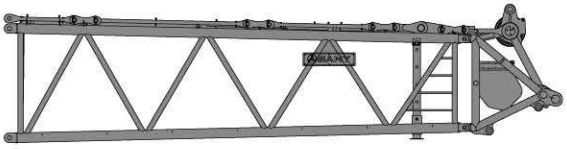


12m Boom Insert C	×2
Length	12.24m
Width	3.09m
Height	2.95m
Weight	7900kg

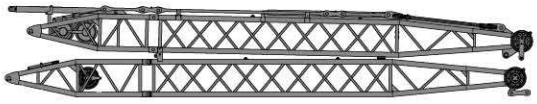
Transport Dimensions



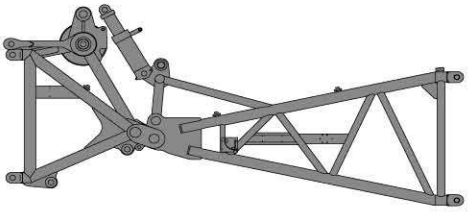
6m Boom Insert A	×2
Length	6.24m
Width	3.09m
Height	2.95m
Weight	5100kg



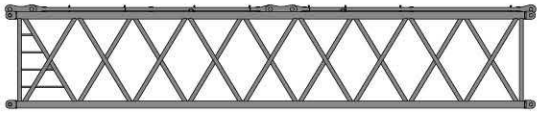
10.5m Boom Transition Insert, and Connecting Head	×1
Length	12.90m
Width	3.03m
Height	2.97m
Weight	13500kg



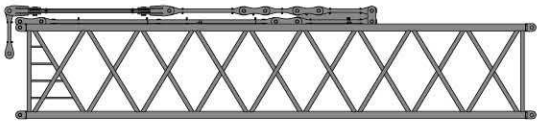
Jib Strut and Main Strut	×1
Length	17.2m
Width	3.04m
Height	2.94m
Weight	15500kg



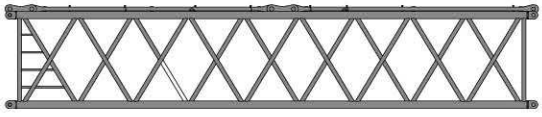
Connecting Head, Jib Base	×1
Length	6.83m
Width	2.69m
Height	3.35m
Weight	7800kg



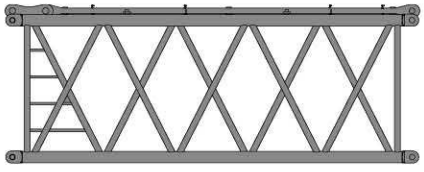
12m Luffing Jib Insert A	×2
Length	12.2m
Width	2.69m
Height	2.38m
Weight	4800kg



12m Luffing Jib Insert A'	×1
Length	12.2m
Width	2.69m
Height	2.65m
Weight	6900kg

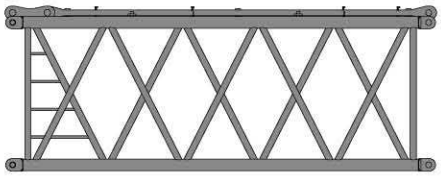


12m Luffing Jib Insert B	×3
Length	12.2m
Width	2.35m
Height	2.38m
Weight	4800kg

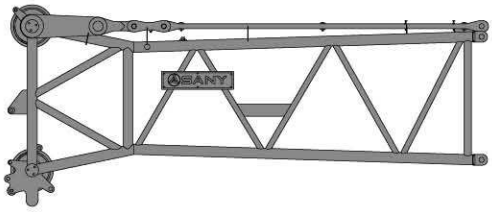


6m Luffing Jib Insert A	×1
Length	6.2m
Width	2.69m
Height	2.38m
Weight	2900kg

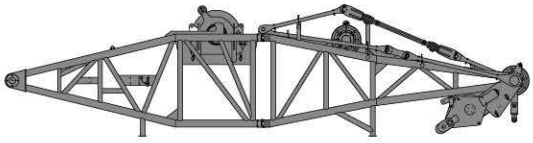
Transport Dimensions



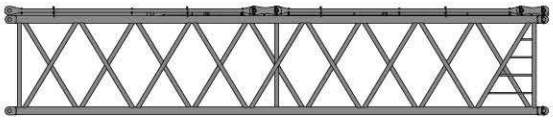
6m Luffing Jib Insert B	×1
Length	6.2m
Width	2.69m
Height	2.38m
Weight	2700kg



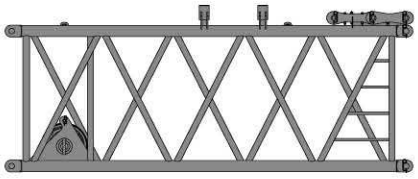
Luffing Jib Tip	×1
Length	8.06m
Width	2.61m
Height	3.36m
Weight	6800kg



Superlift Mast Tip and Base (including winch)	×1
Length	12.53m
Width	2.7m
Height	1.91m
Weight	14000kg

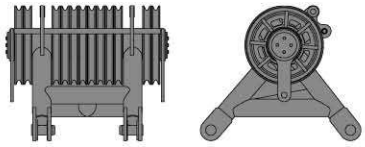


12m Superlift Mast Insert	×1
Length	12.2m
Width	2.71m
Height	2.44m
Weight	6200kg

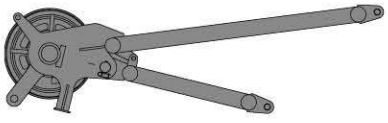


6m Superlift Mast Insert	×1
Length	6.2m
Width	2.95m
Height	2.54m
Weight	3000kg

Fixed Jib (including Jib Strut)	×1
Length	12.57m
Width	2.11m
Height	2.83m
Weight	6100kg

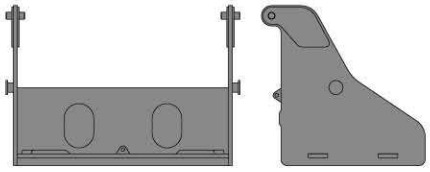


Pulley Set	×2
Length	1.47m
Width	1.45m
Height	1.22m
Weight	1800kg

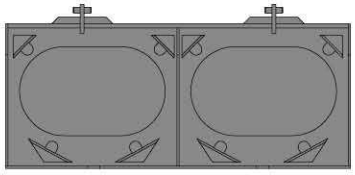


Extension Jib	×1
Length	2.98m
Width	1.71m
Height	0.85m
Weight	500kg

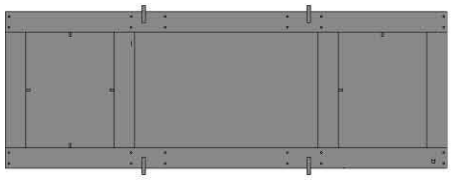
Transport Dimensions



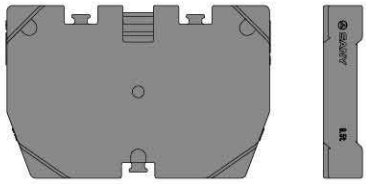
Counterweight Tray	×2
Length	3.0m
Width	2.1m
Height	2.05m
Weight	5000kg



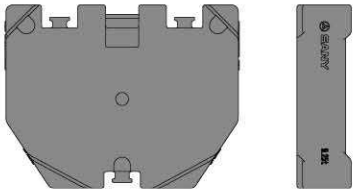
Central Ballast Tray	×2
Length	4.5m
Width	2.14m
Height	0.89m
Weight	3000kg



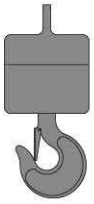
Superlift Counterweight Tray	×1
Length	6.5m
Width	2.49m
Height	0.8m
Weight	8700kg



Counterweight Block	×48
Length	2.61m
Width	1.7m
Height	0.39m
Weight	9500kg



Counterweight Block	×8
Length	2.12m
Width	1.70m
Height	0.39m
Weight	9250kg



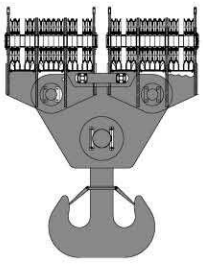
18mt Ball Hook	×1
Length	0.6m
Width	0.6m
Height	1.5m
Weight	1000kg

50mt Hook Block	×1
Length	0.80m
Width	0.48m
Height	2.10m
Weight	1550kg

100mt Hook Block	×1
Length	0.86m
Width	0.75m
Height	2.27m
Weight	3500kg

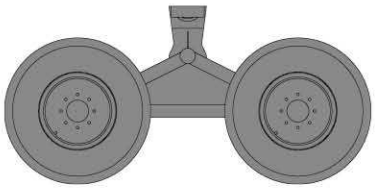
Transport Dimensions

150mt Hook Block	×1
Length	0.86m
Width	0.88m
Height	2.39m
Weight	4500kg

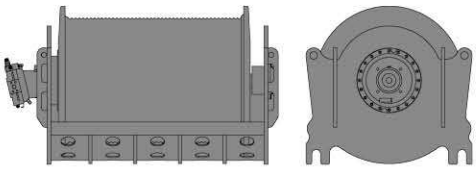


630mt Hook Block	×1
Length	3.10m
Width	0.99m
Height	3.99m
Weight	14300kg

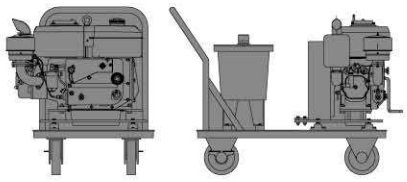
Note: 630t hook can be disassembled into two 315t hook blocks.



Bogie Truck	×1
Length	3.30m
Width	2.00m
Height	1.61m
Weight	1900kg



Hoisting Mechanism	×2
Length	2.15m
Width	1.3m
Height	1.24m
Weight	7300kg



Movable Pump Station	×1
Length	1.36m
Width	0.87m
Height	0.98m
Weight	2000kg

Notes:

1.The transport dimensions of main parts are not drawn to proportion. The dimensions in the sketches are design values excluding packages.

2. The weight is design value and there may be difference caused during manufacturing.

Specifications

Upperworks

Engine

The DEUTZ Model BF8M1015CP engine, 8-cylinder, water-cooled, rated at 400KW/2000rpm. The maximum output torque is 2630N•m at 1200rpm.
Diesel oil tank capacity: 600L.

Control System

Imported RC controller, encoder, load moment limiter, display, intelligent sensor, and closed circuit monitoring system are employed. CAN Bus is used to coordinate data transmission among controller, displays, control levers, encoder, engine and load moment limiter, improving the system reliability.

Hydraulic System

Hydraulic system includes: hoisting system, traveling system, slewing system, luffing system, servo system, back-stop system, cooling system, auxiliary system and etc. Most hydraulic elements are imported products.
Features: the primary systems all use closed-loop circuit, which is energy-saving, efficient, good operability, ensuring steady startup, smooth stop and diversion; rapid operating response, less heat output and long service life.

Main and Aux. Hoisting Mechanism

Variable hydraulic motor drives planetary gear speed reducer to control the hoisting and lowering operation of the main winch I and II, which can achieve inching control and allow quick power lifting of main hoisting I and II by the quickest gear. Meanwhile, only one main hoisting winch is required for lifting weight no more than 315mt; for lifting weight above 315mt, both of the two main hoisting winches must be used simultaneously. Main hoisting winch I and II can work synchronically.
The maximum multiplying factor of hook block is 48. Pfeifer steel wire rope and fold line groove winch drums ensure winding of multiple layers without entangling, and the speed reducer features low noise level, high efficiency, long service life and convenient oil replacement.

Main hoisting Winch	Winch diameter	630mm
	Outermost speed of wire rope	0 ~ 110 m/min
	Wire rope diameter	28 mm
	Length of main winch wire rope	1180m
	Rated single–line pull	16.4mt
Aux. hoisting Winch	Winch diameter	630mm
	Outermost speed of wire rope	0 ~ 105 m/min
	Wire rope diameter	28 mm
	Length of aux. winch wire rope	665m
	Rated single–line pull	16.4mt

Slewing Mechanism

The planetary speed reducer is driven by dual-motor speed reducer, allowing 360° rotation. Slewing speed ranges from 0 to 1.2rmp. The speed is in two steps: 0.6rpm, and 1.2rmp, both can achieve stepless speed regulation, allowing smooth slewing and free track-slip in the middle position.
Slewing ring: Triple-row roller type external gear slewing ring is used.

Luffing Mechanism

Including main luffing device, auxiliary luffing device and superlift luffing device;
The luffing mechanism is provided with fold line groove winch drum driven by hydraulic motor via planetary speed reducer. It can manage compound actions and excellent inching control.

Specifications

Main luffing Winch	Winch diameter	630mm
	Outermost speed of wire rope	(0 ~ 48) × 2 m/min
	Wire rope diameter	28mm
	Length of main luffing wire rope	715m
Aux. luffing Winch	Diameter	630mm
	Outermost speed of wire rope	0 ~ 105m/min
	Wire rope diameter	28mm
	Length of aux. luffing wire rope	960m
Superlift luffing Winch	Winch Diameter	630mm
	Outermost speed of wire rope	0 ~ 120m/min
	Wire rope diameter	28mm
	Length of superlift luffing wire rope	1020m

Counterweight System

Central ballast: 80mt
Central ballast blocks: 8×9.25mt
Central ballast tray and attachment: 6mt
Counterweight: 181mt
Counterweight blocks: 18×9.5mt
Counterweight tray and attachment: 10mt
Superlift counterweight: 300mt
Counterweight blocks: 30×9.5mt
Counterweight tray and attachment: 15mt

Driver's Cab

The driver's cab is a fully-enclosed steel framework structure, of which the front and flank sides are installed with toughened glass, and the top is installed with GE board, featuring good transparence, high strength, high wear resistance, and low indoor noise (less than 85dB). It is equipped with control devices, detecting instruments, alarm devices, fire extinguisher and closed circuit monitoring system, all of which are designed according to ergonomics.

The cab can tilt up by 15°according to actual requirement, and can also rotate to the front of the platform to facilitate transportation.

Controlling Operation

The load moment limiter display, closed circuit monitor display, control system display and meters are all located in the operator's direct view area.

The display of load moment limiter is primarily to indicate the load moment and other parameters of crane, while the display of control system is primarily to indicate the data of each sensor, operating status of the crane, control parameters and alarms of various monitoring points.

There are three control levers in total located at the left and right armrest boxes. Operating functions can be switched over through the press buttons on the control levers. Single actions and permissible compound actions are displayed in the form of words and graphs.

Alarm Display

When an alarm occurs, the corresponding alarm information is shown in codes and words on the display.

Lowerworks

Traveling Drive

The traveling system has two speeds. It has a strong traction force, which can achieve turning with 70% rated load. Each traveling speed reducer can be driven separately to flexibly travel forward, backward and pivot steering.

Traveling Brake

The normally-closed (i.e. it's in braking status when the traveling control lever is not engaged) disc brake is built in reducer and can compensate automatically, no adjustment is necessary. When the traveling control lever is engaged, the brake is released and the crane travels.

Specifications

Crawler Pad

The left and right crawler tracks consist of 136 crawler pads in total, with each one 1500mm wide. Tension of crawler track can be adjusted through the use of hydraulic cylinder installed inside the crawler traveling gear. Tension is maintained through the use of shim plates.

Chassis

High strength welded frame structures. The power pin connecting the crawler to the chassis is driven by a hydraulic cylinder, making easy assembly and disassembly.

Traveling Speed

The variable displacement motor can provide two traveling speeds: 0～0.55km/h (low speed) and 0～1.1km/h (high speed). Stepless speed change is available for each speed, ensuring stability of the crane in speed traveling.

Operation Device

All the operation devices use high-strength steel pipes and steel plates. The luffing support also uses high-strength steel pipes.

The boom system and hook blocks all use rolled and welded pulleys.

Boom

The boom frame is a space lattice structure of welded steel pipes with constant cross section in the middle part and variable cross section at both ends. The tip and base sections of the boom frame are strengthened with steel plates.

Length of the boom is between the basic boom (24m) and the full-extensional boom (108m).

Composition:

Boom base 12m×1, transition insert 10.5m×1, connecting head 1.5m×1, boom insert 6m×2, and boom insert 12m×6.

Main Luffing Mast

The overall structure is a gantry with a length of 11.3m, which is welded by high-strength steel plates, with a beam fitted in the middle for reinforcement. This structure features high strength and good rigidity.

Luffing Jib

The jib frame is a space lattice structure with constant cross section in the middle and variable cross section at both ends. The steel pipes are welded and the end and bottom of the jib frame are reinforced by steel plates facilitating transferring the load.

Length of basic jib is 24m (jib tip 7.5m and jib base 4.5m). Jib insert 6m×2 and jib insert 12m×7. The luffing jib can be installed on the boom with length of 30m-108m. Jib length ranges from 24m to 96m.

Jib luffing is achieved by jib strut and main strut. The jib strut and main strut are space lattice structures with constant cross section in the middle and variable cross section at both ends.

The length of main strut is 16m, and the length of jib strut is 16.5m.

Hook Blocks

Standard configuration:

18mt ball hook

50mt hook block

100mt hook block

150mt hook block

630mt hook block (which can be disassembled into two 315mt hook blocks)

Superlift Mast

The superlift mast frame is a space lattice structure with constant cross section in the middle and variable cross section at both ends. The steel pipes are welded and the top and bottom of the boom frame are reinforced by steel plate so as to transfer the load.

Length of superlift mast is 30m.

Composition: tip 6m, base 6m, insert 6m×1, and insert 12m×1.

Operating Conditions

1) Heavy main boom (H)

2) Heavy main boom + superlift mast (HD)

3) Heavy main boom + superlift mast + superlift counterweight (HDB)

4) Mixed main boom (HJ)

5) Mixed main boom + superlift mast (HJD)

6) Mixed main boom + superlift mast + superlift counterweight (HJDB)

7) Main boom + luffing jib (LJ)
8) Luffing Jib + superlift mast (LJD)
9) Luffing Jib + superlift mast + superlift counterweight (LJDB)
10) Main boom + heavy fixed short jib + superlift mast (SF_HD)
11) Main boom + heavy fixed short jib + superlift mast + superlift counterweight (SF_H DB)
12) Boom + light fixed jib (SF_L)
Note: the above-mentioned equipments are the complete configurations. Actual configurations see the purchase contract.

Safety Devices

Load Moment Limiter

The imported load moment limiter and other controllers constitute a network by means of CAN bus, achieving safe and reliable control.
Load moment limiter can not only automatically measure the hoisted weight of crane and the angle of boom, but can also display the rated load and actual load, operating radius and allowable hook height. In operating conditions with superlift devices, it can display the pulling force of various pulling rods and the utilization ratio of superlift counterweight.
Composition: large-sized color display, host machine, angle sensor, pulling force sensor, and pressure sensor.

Over–hoist Limit Device of Main and Auxiliary Hook Blocks

Limit switch is used to prevent the hook block from being over-hoisted. When the hoisting hook is hoisted to a certain height, the limit switch shall be activated, the buzzer on the control console shall sound an alarm and the hoisting action of hook shall stop automatically but only used for lowering operating, so that the over-hoist of hoisting hook is avoided.

Over Roll–out Limit Device of Main and Auxiliary Hook Blocks

When the wire rope is rolled out with only three wraps left on the drum, the electronic controlling system can automatically stop the hooks and send alarm through the buzzer and monitor installed inside the driver's cab.

Switch for Assembling Mode/ Operating Mode

The over-hoist limit device, boom limits, and load moment limiter can be overridden in the assembling mode.
While under normal operating mode, all these safety devices are functioning.

Boom Back–stop Device

When the boom angle reaches 85°, or jib angle reaches 75°, the limit switch is activated and sounds an alarm through the buzzer. The boom system stops moving. The lifting of luffing winch is stopped and only the lowering operation is allowed.
When the boom angle is lower than 30° or the jib angle is lower than 15°, the buzzer sounds an alarm and the boom stops. This safeguard function is automatically controlled by load moment limiter.

Boom Back–stop Device

Main boom and superlift mast are equipped with a pair of back-stop cylinders respectively.
When the boom frame inclines backward, it meets the high pressure from back-stop cylinder; while it inclines forward, the hydraulic system compensates high pressure oil automatically to tension the boom pulling rods, which functions preventing the boom from vibrating or tipping backward during operating.
Main strut of luffing jib is provided with a back-stop device, and jib strut is equipped with a pair of oil-gas cylinders to prevent it from retroversion and tension jib luffing wire ropes.
A mechanical back-stop is provided at the luffing jib base, which will be activated when jib angle reaches 75°to prevent jib from retroversion.

Winch Brake

Each winch brake is the spring-loaded and normally-closed blade-type, featuring strong braking force, maintenance-free, safe and reliable use and long service life.

Closed Circuit Monitoring System

It is used to monitor the winding of wire ropes of various hoisting winches, superlift counterweight status, hook blocks status (optional) and the surrounding situation.

Specifications

Automatic Troubleshooting System

It can conveniently remove a fault according to its code.

Black Box

It can keep record of the operating of driver and the operational parameters of equipments so as to analyze causes of accidents.

Pharos

It is installed on the top of the boom frame.

Anemometer

Installed on the top of the boom frame, it is used to carry out real-time monitoring on wind velocity and transmit data to the driver's cab for display on the monitor.

Electronic Gradienter

Electronic gradienter can indicate the inclining angle of the basic machine on the monitor of the control system.

Lightning Protection Device

It includes grounding devices and surge-protect device, which can prevent the damage to the electronic components and the hurt to the staff from lightning.

Boom Angle Indicator

Pendulum-type angle indicator mounted at the side close to the driver's cab of the boom base.

Hook Clamp

Each hook block is equipped with a clamp plate to prevent wire rope from falling off.

Slewing and Traveling Alarm

Alarm is sent out by the horn during slewing and traveling to warn relevant personnel to leave the operating site.

Function Locking

If the function locking joystick is not in position or the operator is not at seat, all the other control levers are out of commission so as to prevent mis-operation.

Engine Power Load Limit Adjustment and Stall Prevention

It adjusts through the power load according to real-time detecting the engine output power, protecting the engine from stall or speed-lost.

Combined Instruments

It is used to display water temperature, fuel volume, accumulated working hours, engine oil pressure, engine rotational speed, and battery charge level and voltage.

Emergency Operating System

The emergency operation box with independent circuit can be connected with electromagnetic valve via connectors. In case of emergency, the main operations, such as hoist, luffing and slewing etc. can be realized.

Remote Monitoring System

It functions monitoring and analyzing operating data, which can facilitate remote failure diagnosis and settle the problem promptly.

Emergency Stop

When an emergency occurs, press this button to cut off the electricity and stop all the operations like hoisting, luffing, slewing, and traveling, and the engine stops too.

Wireless Remote Control System

It is composed of a remote receiver and an emitter. It can help the operator manage remote control on actions of major mechanisms (including the main hoisting winch, auxiliary hoisting winch, main luffing winch, superlift luffing winch, auxiliary luffing winch, slewing, traveling, and extending/retracting of superlift counterweight lifting cylinders) of the crane. In this way, the operator can leave the cab for a place with better viewing area, which reduces the inconvenience caused by poor visibility or mal-cooperation, increases the flexibility and safety of operation, and improves working efficiency.

The system is also provided with a LCD display to show the important parameters and alarm parameters, informing the operator of the crane state.

Specifications

Performance Data of Winch

Name	Rated single–line pull	Wire speed
Main hoisting winch I	16.4t	110m/min
Main hoisting winch II	16.4t	110 m/min
Auxiliary hoisting winch	16.4t	105 m/min
Main luffing winch		(0~48) x 2 m/min
Aux. luffing winch		105m/min
Superlift luffing winch		120 m/min

Note: speed of the wire rope indicates the speed of the outermost layer.

Performance Data of Winch

Use	Diameter (mm)	Length (m)	Breaking strength (t)
Main hoisting I	28	1180	77.47
Main hoisting II	28	1180	77.47
Auxiliary hoisting	28	665	77.47
Main luffing	28	715	69.75
Aux. luffing	28	960	69.75
Superlift luffing	28	1020	69.75

Specifications

Parameter of Counterweight

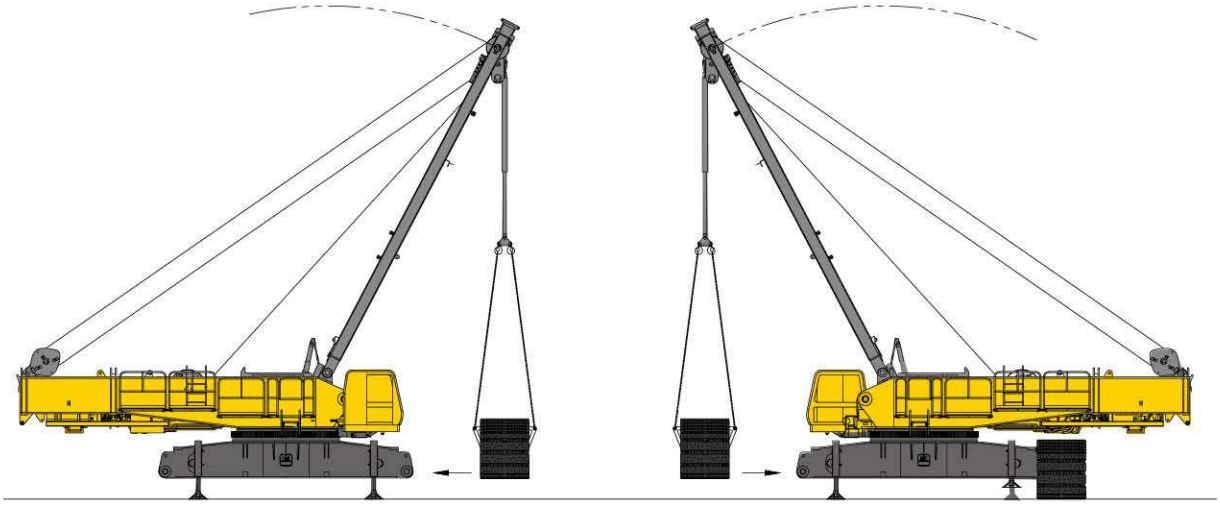
Name	Quantity	Length (m)	Width (m)	Height (m)	Weight of single unit (kg)
Central ballast tray	2	4.5	2.14	0.885	2988
Central ballast block	8	2.1	1.655	0.489	9250
Counterweight tray	2	3	2.1	2.1	4953
Counterweight block	18	2.59	1.7	0.385	9500
Superlift counterweight tray	1	7	2.49	0.8	7576
Superlift counterweight block	30	2.59	1.7	0.385	9500

Parameter of Hook Block

Name	Maximum hoisting weight	Quantity	Number of pulleys	Multiplying factor	Weight of single unit (t)
630t hook block	630mt	1	2×13	2×24	14.3
315 hook block	315mt	1	13	24	12.3
150t hook block	150mt	1	5	11	4.5
100t hook block	100mt	1	3	7	3.5
50t hook block	50mt	1	1	3	1.55
18t ball hook	18mt	1	N/A	1	0.98

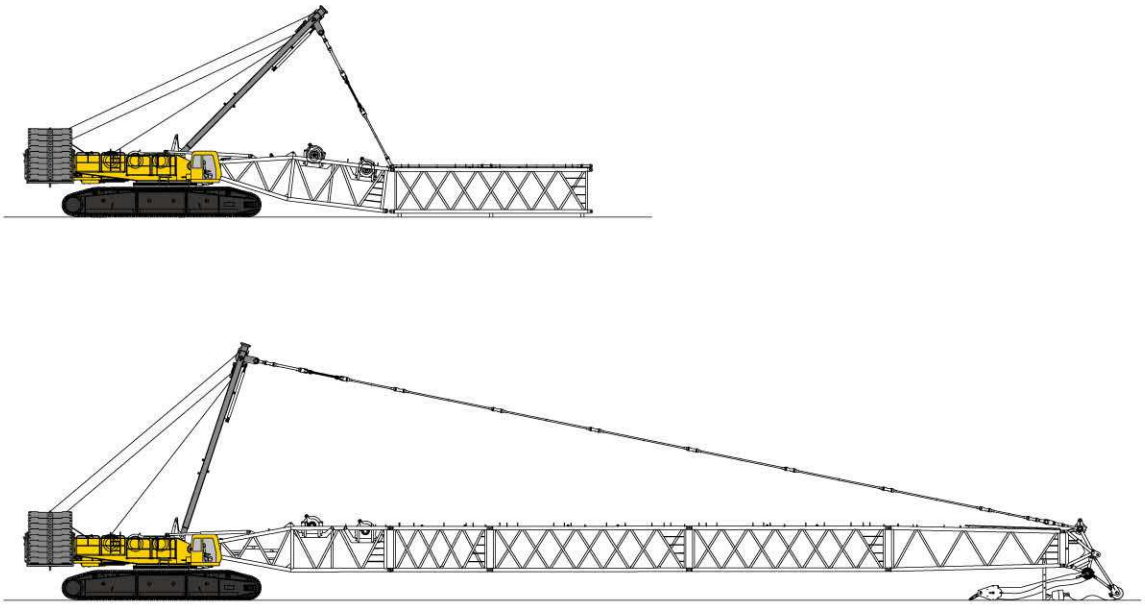
Note: Hook block of 630mt may be disassembled into two 315mt hook blocks.

Self-Assembly/disassembly

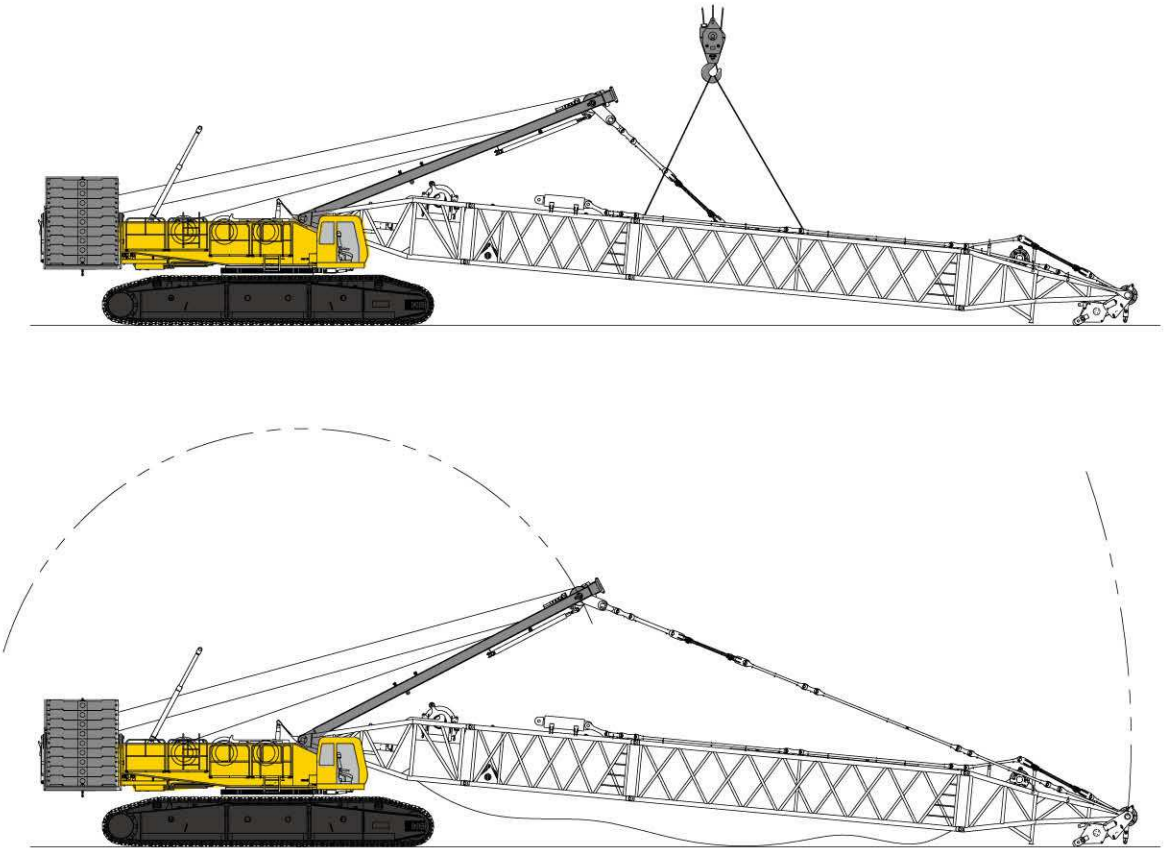


Schematic diagram of self-assembly/disassembly of crawler frames

Assembly

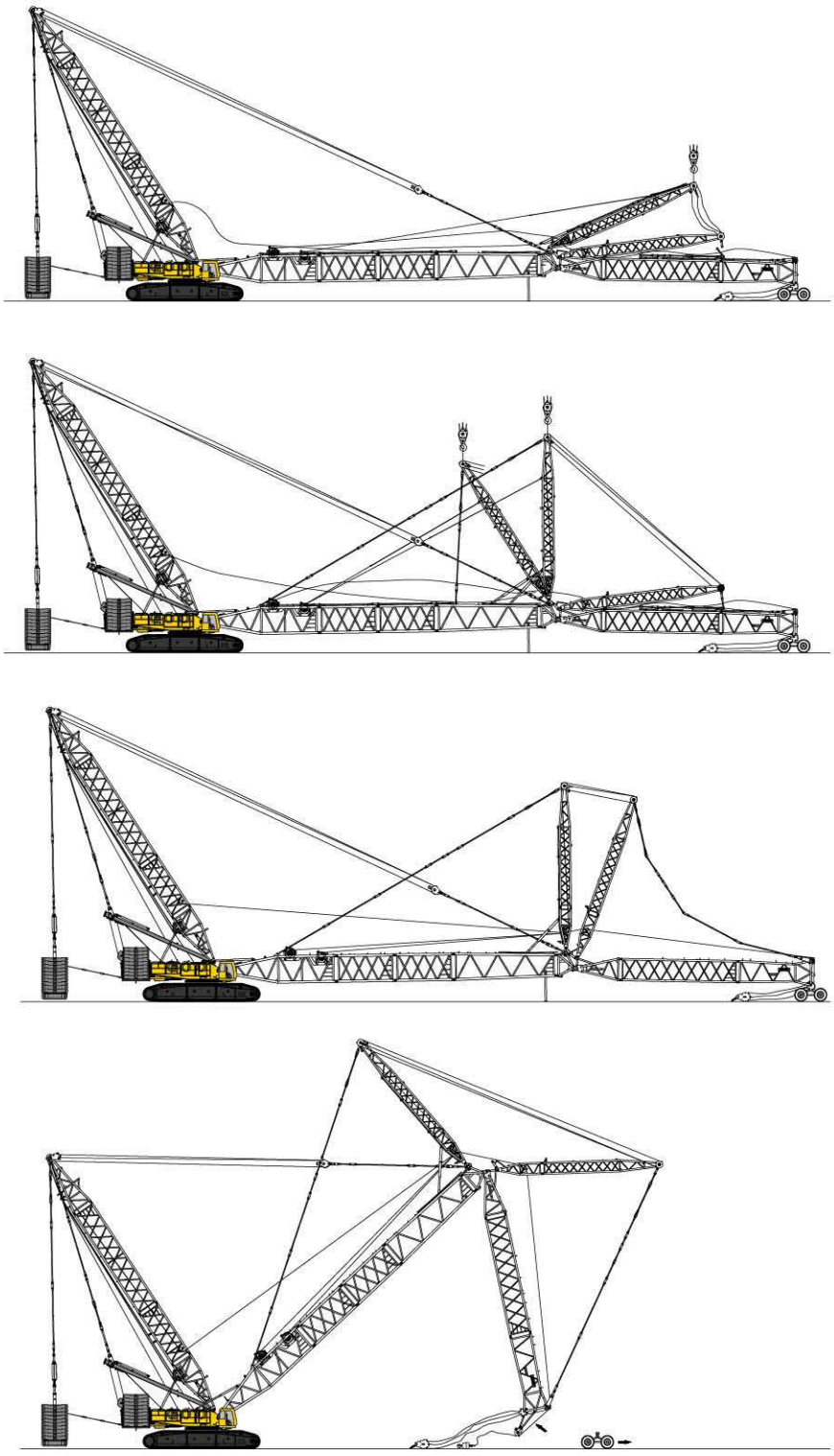


Schematic Diagram of Boom Assembly



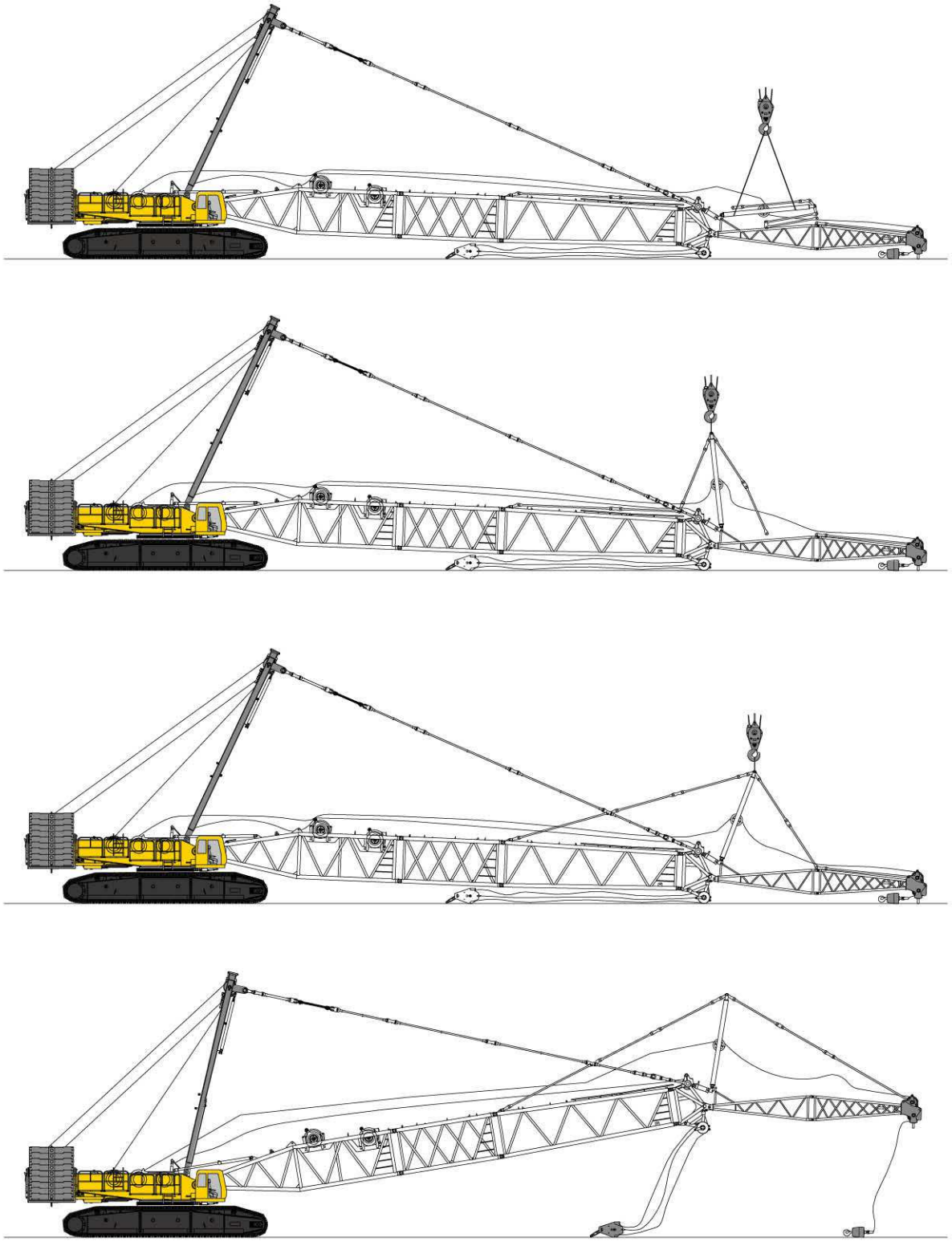
Schematic Diagram of Superlift Mast Assembly

Assembly



Schematic Diagram of Luffing Jib Assembly

Assembly



Schematic Diagram of Fixed Jib Assembly

Key Words

Operating radius
Radius (R)

Main boom（H）
Boom angle
Mixed main boom（HJ）
Light main boom（H_L）

Fixed jib（FJ）
Fixed short jib (SF)
Light fixed short jib（SF_L）
Heavy fixed short jib（SF_H）

Luffing jib（LJ）

Superlift counterweight（B）
Superlift mast（D）

Superlift radius

Counterweight

Central ballast

Operating Condition Code:

H: Heavy main boom

H_L: Light main boom

HD (HDB): Heavy main boom + superlift mast (+ superlift counterweight)

HJ: Mixed main boom

HJD (HJDB): Mixed main boom + superlift mast (+ superlift counterweight)

FJ: Fixed jib

LJ: Luffing jib

LJD (LJDB): Luffing jib + superlift mast (+ superlift counterweight)

SF: Fixed short jib

SF_L: Light fixed short jib

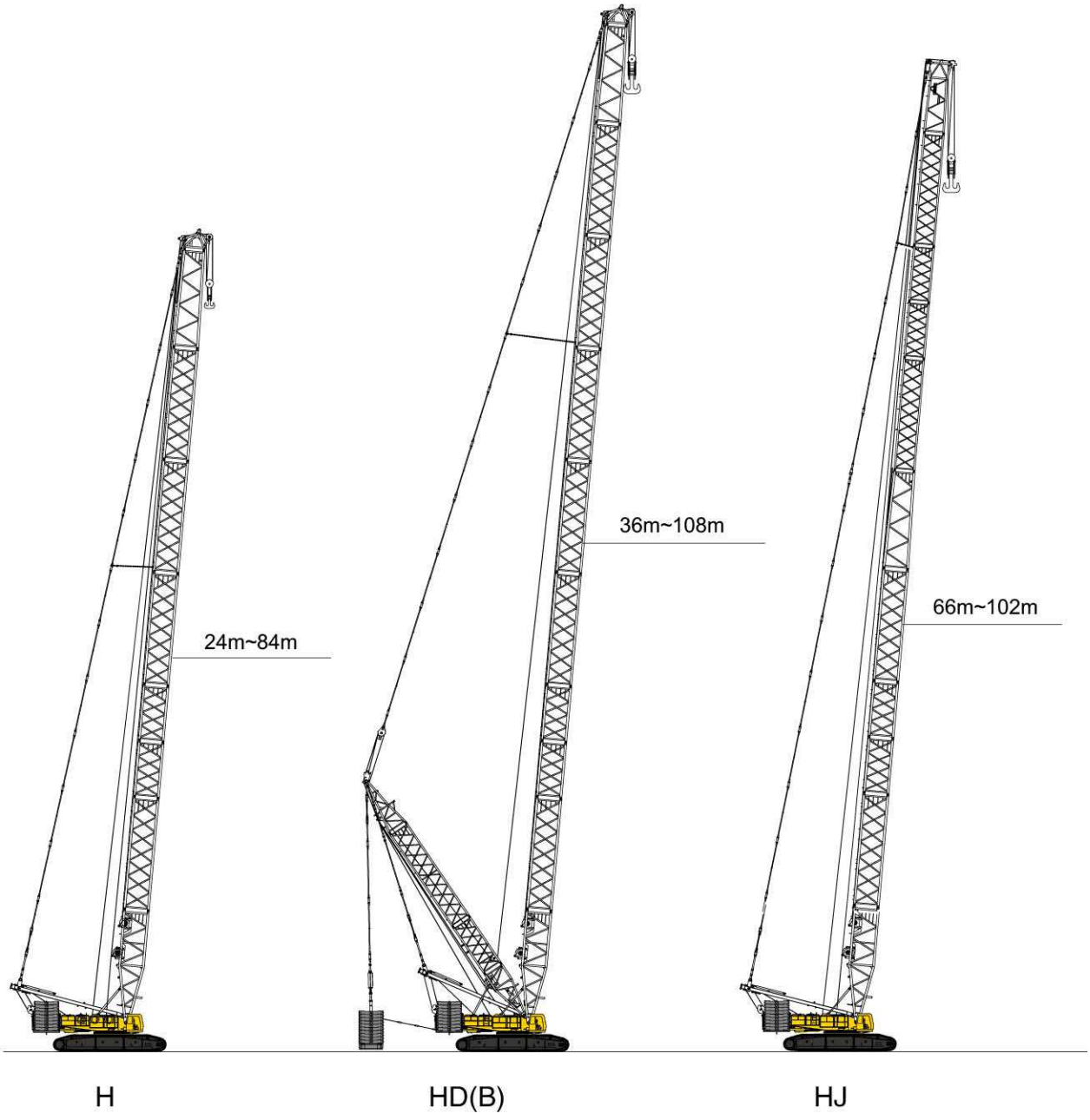
SF_LD SF_LDB): Light fixed short jib + superlift mast (+ superlift counterweight)

SF_H: Heavy fixed short jib

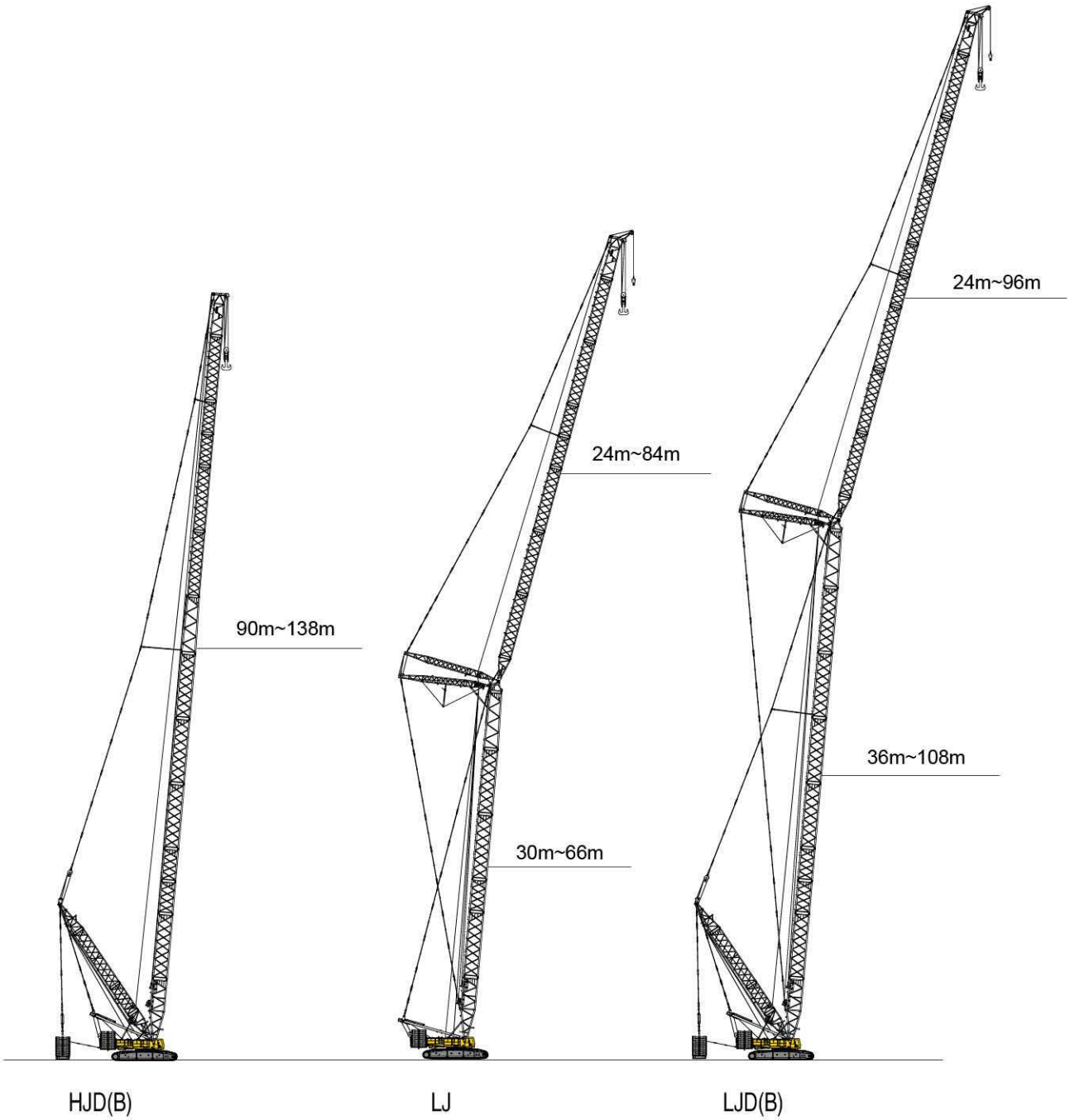
SF_HD (SF_HDB): Heavy fixed short jib + superlift mast (+ superlift counterweight)

Note: These keywords are general terms. A specific product may not use all of them.

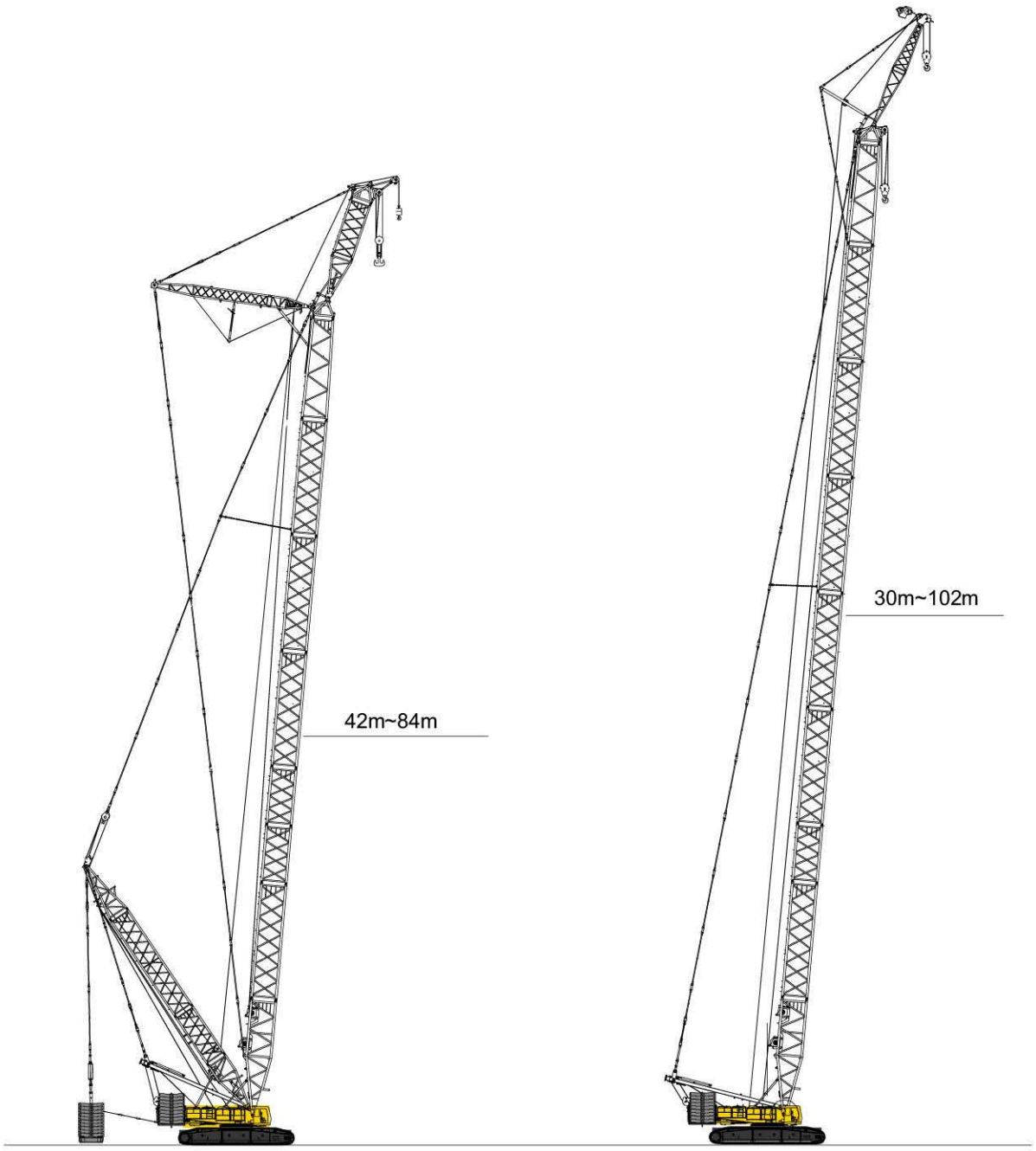
Operating Conditions



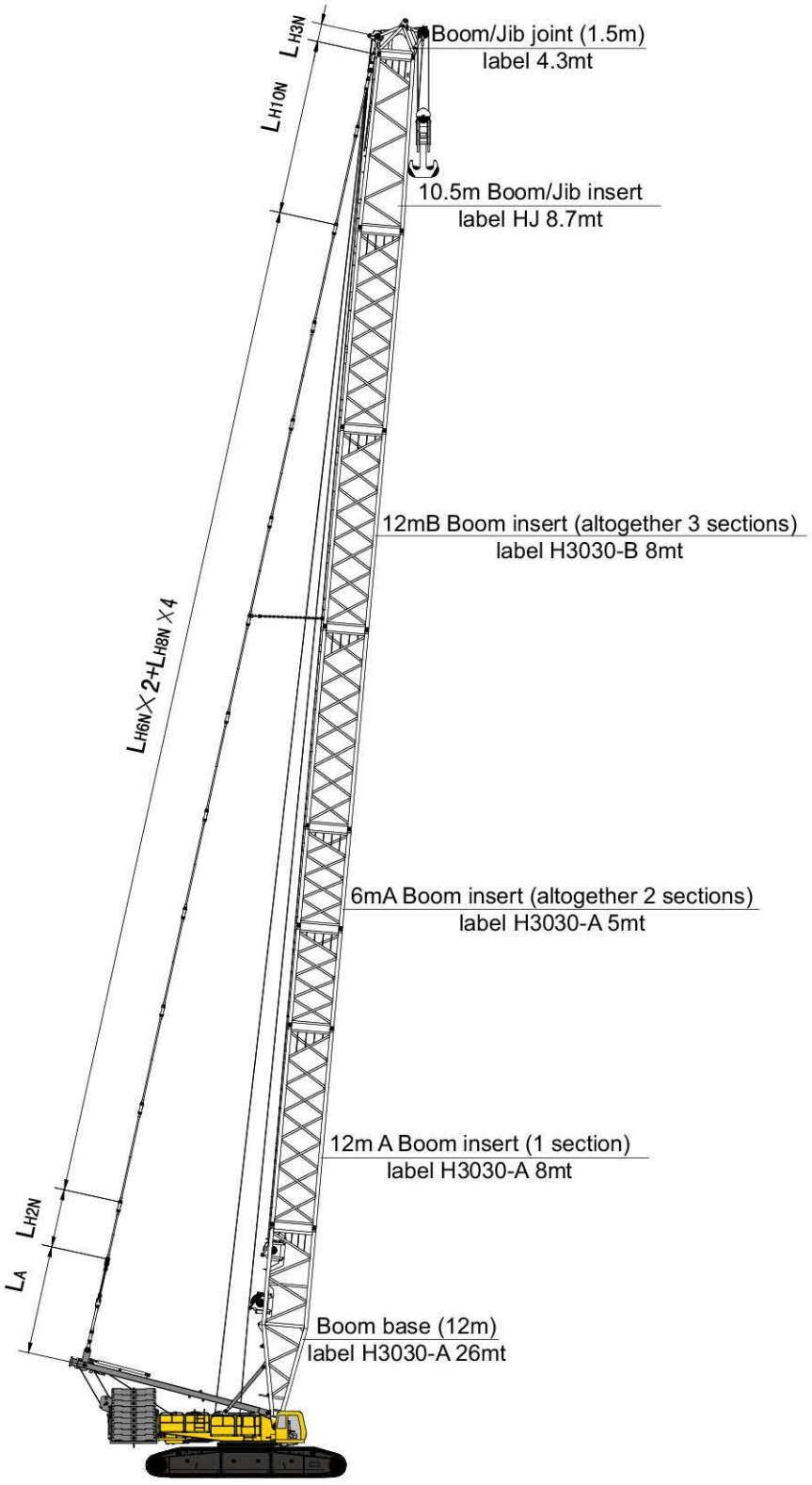
Operating Conditions



Operating Conditions

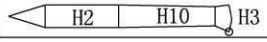
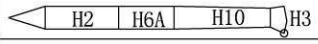
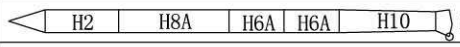
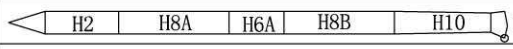
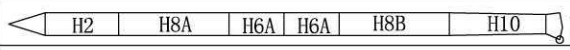
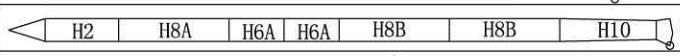
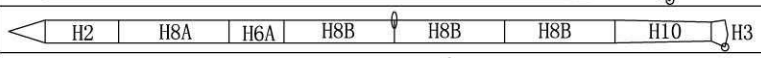
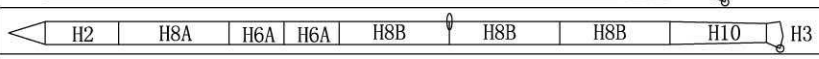


Boom Combinations of H Operating Condition



Boom Combinations of H Operating Condition

Boom Combination Table of H Operating Condition

Boom length	Boom/jib frame assembly
24m	
30m	
36m	
42m	
48m	
54m	
60m	
66m	
72m	
78m	
84m	

Symbol	Length	Label	Remark
H2	12m	H3030-A 26t	boom base
H10	10.5m	HJ 8.7t	boom transition insert
H3	1.5m	4.3t	connecting head
H8A	12m	H3030-A 8t	boom insert
H8B	12m	H3030-B 8t	boom insert
H6A	6m	H3030-A 5t	boom insert

Note: waist rope is used to booms (ranging from 78m to 108m) at points marked with ◊.

Assembly mode and length of pull plates between main luffing mast and connecting head in H operating condition

Boom length (m)	Assembly of pull plates between main luffing mast and connecting head	Total length of pull plate (m)
24	$L_A+L_{H2N}+L_{H10}+L_{H3}$	21.57
30	$L_A+L_{H2N}+L_{H10N}+L_{H3}+L_{H6N}$	27.57
36	$L_A+L_{H2N}+L_{H10N}+L_{H3}+L_{H8N}$	33.57
42	$L_A+L_{H2N}+L_{H10N}+L_{H3}+L_{H6N}+L_{H8N}$	39.57
48	$L_A+L_{H2N}+L_{H10N}+L_{H3}+L_{H6N}\times2+L_{H8N}$	45.57
54	$L_A+L_{H2N}+L_{H10N}+L_{H3}+L_{H6N}+L_{H8N}\times2$	51.57
60	$L_A+L_{H2N}+L_{H10N}+L_{H3}+L_{H6N}\times2+L_{H8N}\times2$	57.57
66	$L_A+L_{H2N}+L_{H10N}+L_{H3}+L_{H6N}+L_{H8N}\times3$	63.57
72	$L_A+L_{H2N}+L_{H10N}+L_{H3}+L_{H6N}\times2+L_{H8N}\times3$	69.57
78	$L_A+L_{H2N}+L_{H10N}+L_{H3}+L_{H6N}+L_{H8N}\times4$	75.57
84	$L_A+L_{H2N}+L_{H10N}+L_{H3}+L_{H6N}\times2+L_{H8N}\times4$	81.57

Boom Combinations of H Operating Condition

Notes:

L_A: pull plate on main luffing mast, 6.5m

L_{H2N}: inner pull plate on boom base, 3.5m

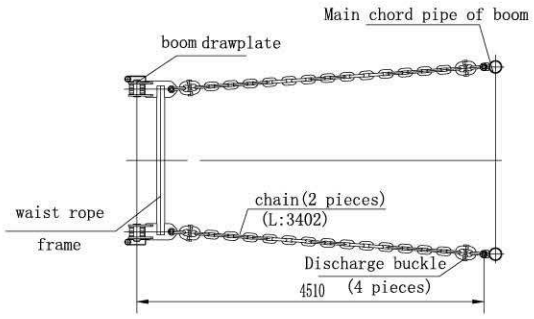
L_{H10N}: inner pull plate on 10.5m boom frame, 10.5m

L_{H3}: pull plate on connecting head, 1.07m

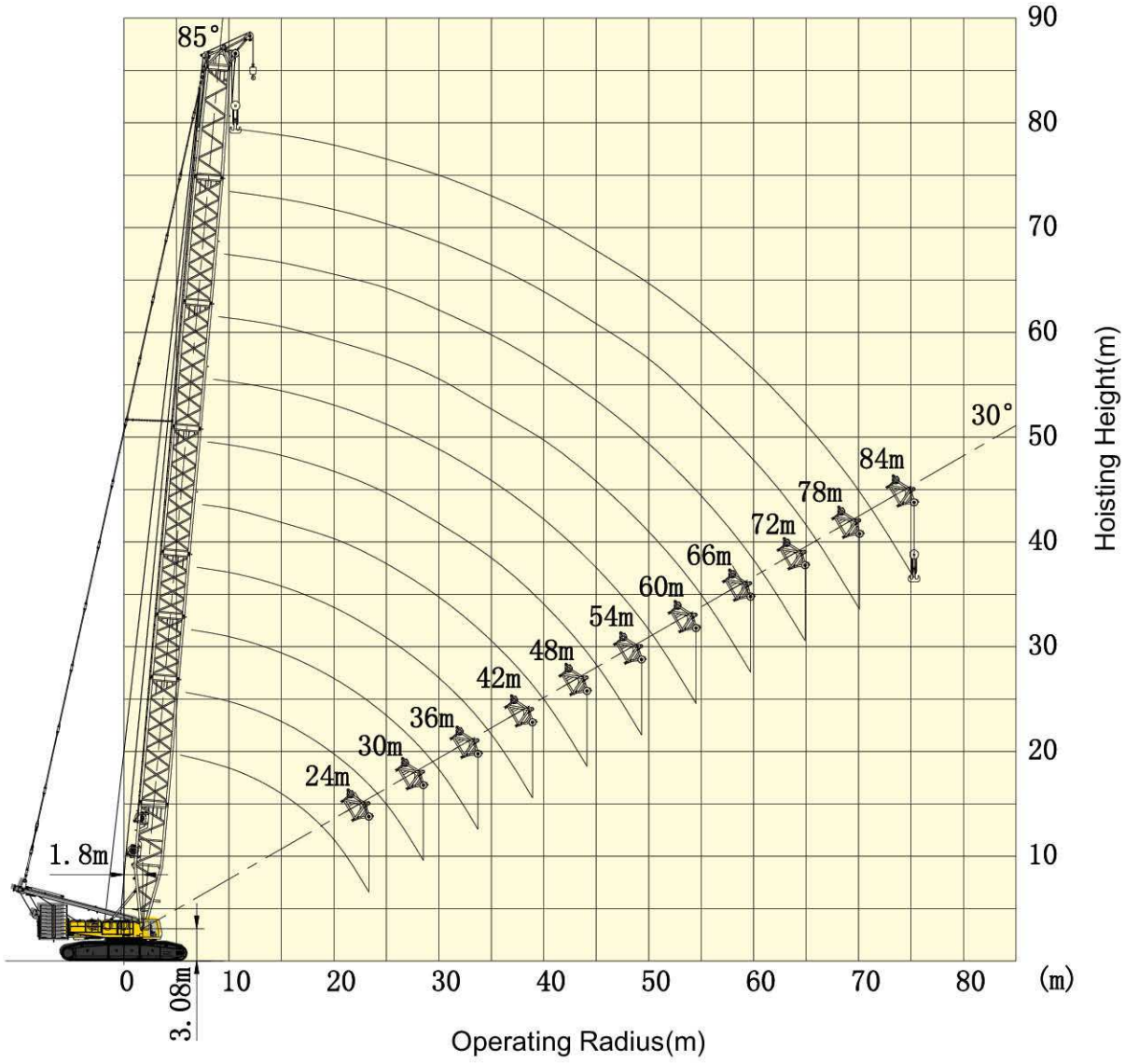
L_{H6N}: inner pull plate on 6m boom insert, 6m

L_{H8N}: inner pull plate on 12m boom insert, 12m

Assembly mode and length of waist rope for boom in H operating condition

Boom length (m)	Assembly mode o f waist rope
78	
84	

Operating Range of H Operating Condition



Hoisting Height and Operating Range Diagram

Load Charts of H Operating Condition

Load Chart of H Operating Condition (Hook Block)

 Boom length 24m~84m  Counterweight 180mt  Central ballast 80mt Unit: mt

radius \ length	24	30	36	42	48	54	60	66	72	78	84	length \ radius
6	630.0											6
7	589.0	581.0	595.0									7
8	520.0	518.0	516.0	514.0	512.0							8
9	430.0	428.0	427.0	426.0	425.0	420.0	420.0					9
10	353.0	351.0	350.0	348.0	347.0	343.0	343.0	342.0	310.0			10
12	259.0	257.0	255.0	253.0	252.0	248.0	248.0	247.0	244.0	243.0	218.0	12
14	202.0	200.0	199.0	197.0	195.0	192.0	192.0	191.0	188.0	187.0	186.0	14
16	165.0	163.0	161.0	159.0	158.0	156.0	155.0	153.0	151.0	151.0	149.0	16
18	139.0	137.0	135.0	133.0	132.0	130.0	129.0	127.0	125.0	124.0	123.0	18
20	120.0	118.0	116.0	114.0	112.0	110.0	109.0	108.0	106.0	105.0	104.0	20
22	106.0	103.4	101.3	99.2	97.0	95.2	94.1	93.1	91.2	90.0	88.6	22
24		91.8	89.0	87.0	85.6	83.0	82.0	81.0	79.0	78.0	76.7	24
26		81.0	79.0	77.2	75.0	73.3	72.3	71.2	69.5	68.5	67.0	26
28		74.0	71.0	69.0	67.0	65.0	64.0	62.9	61.3	60.3	58.0	28
30			65.0	62.5	60.4	58.8	57.0	56.0	54.0	53.6	51.0	30
34				52.0	49.9	47.9	46.6	45.3	43.7	42.4	40.3	34
38				44.2	41.9	39.8	38.2	36.6	34.8	33.6	31.4	38
42					35.8	33.2	31.4	29.8	28.0	26.7	24.5	42
46						28.0	26.1	24.3	22.6	21.2	19.0	46
50							21.8	20.1	18.1	16.7	14.4	50
54							18.5	16.5	14.5	13.0	10.7	54
58								13.7	11.5	10.0	7.6	58
62									9.2	7.4		62
66										5.4		66
wind	14.3m/s						12m/s					wind

Load Chart of H Operating Condition (Hook Block)

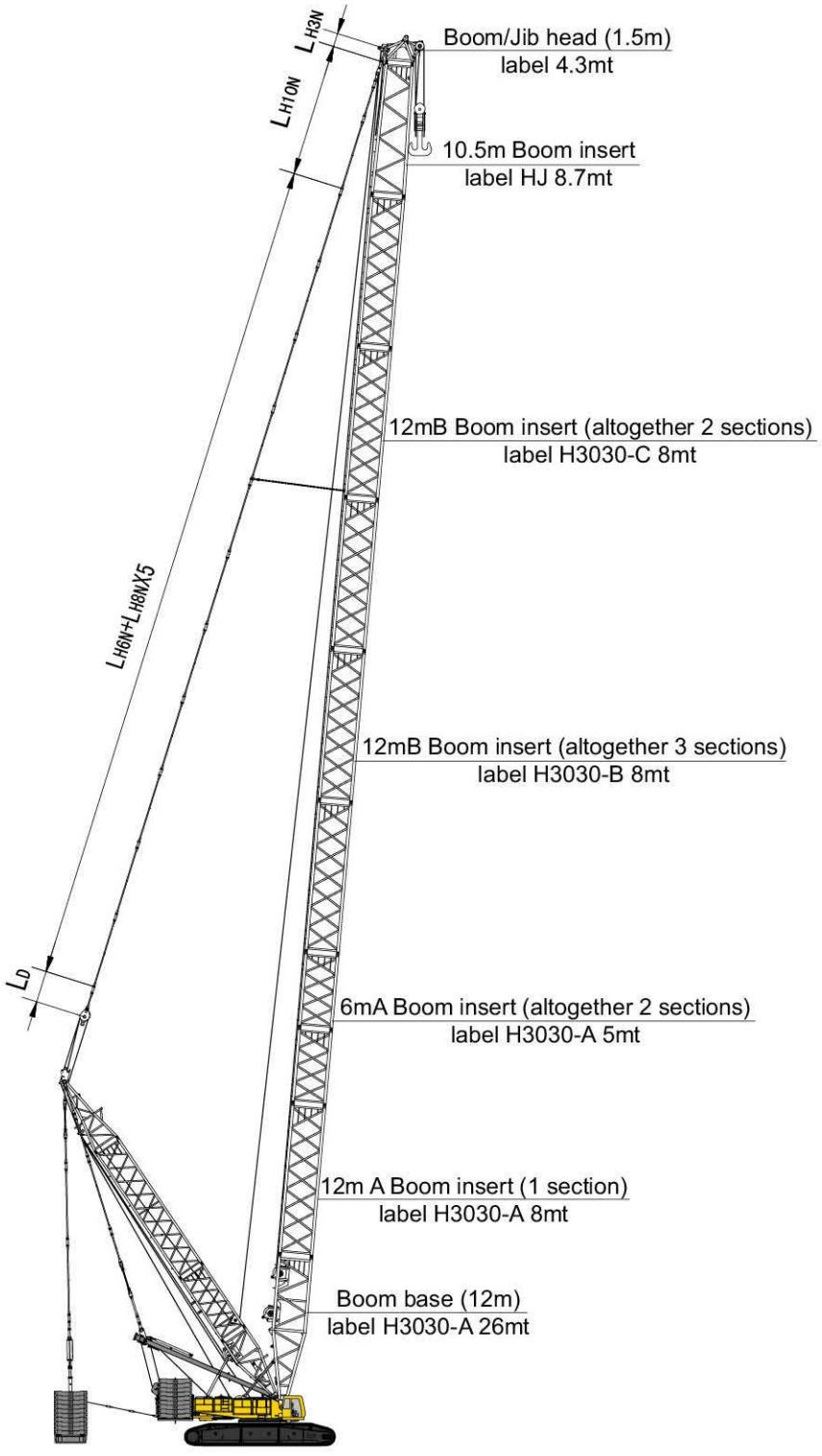
 Boom length 24m~84m  Counterweight 160mt Unit: mt

radius \ length	24	30	36	42	48	54	60	66	72	78	84	length \ radius
7	445.0	490.0	533.0									7
8	425.0	452.0	451.0	449.0	449.0							8
9	355.0	353.0	352.0	351.0	350.0	346.0	346.0					9
10	291.0	289.0	288.0	286.0	285.0	281.0	281.0	280.0	276.0			10
12	213.0	211.0	208.0	207.0	205.0	203.0	202.0	201.0	198.0	198.0	196.0	12
14	166.0	164.0	162.0	160.0	159.0	157.0	156.0	154.0	152.0	152.0	150.0	14
16	135.0	133.0	131.0	130.0	128.0	125.0	124.0	123.0	121.0	121.0	119.0	16
18	114.0	112.0	110.0	108.0	106.0	104.0	103.4	102.4	100.4	99.3	97.0	18
20	98.1	96.0	93.9	91.8	90.3	87.8	86.8	85.8	84.0	83.0	81.8	20
22	86.0	83.4	81.3	79.2	77.1	75.4	74.3	73.3	71.5	70.5	69.0	22
24		73.0	71.0	68.7	67.0	65.5	64.0	63.4	61.8	60.0	58.7	24
26		65.6	63.0	60.9	59.3	57.2	56.0	55.0	53.0	52.0	50.8	26
28		59.3	56.0	54.1	52.5	50.6	49.5	48.3	46.8	45.7	43.6	28
30			51.2	48.7	46.8	45.0	43.7	42.4	40.7	39.6	37.4	30
34				40.0	37.9	35.7	34.2	32.7	31.1	29.8	27.8	34
38				33.6	30.9	28.7	26.9	25.4	23.7	22.5	20.3	38
42					25.7	23.2	21.4	19.8	18.1	16.7	14.6	42
46						19.1	17.0	15.3	13.5	12.2	9.9	46
50							13.6	11.7	9.9	8.5	6.2	50
54							11.0	8.9	7.0	5.4		54
58								6.7				58
wind velocity	14.3m/s						12m/s					wind velocity

Notes: 1. The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

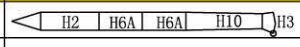
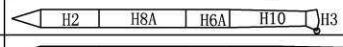
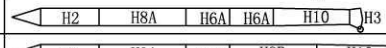
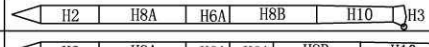
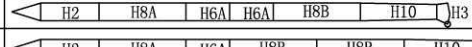
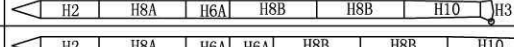
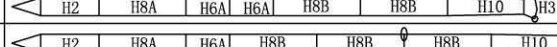
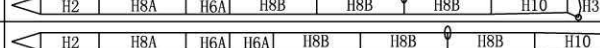
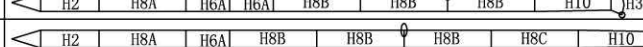
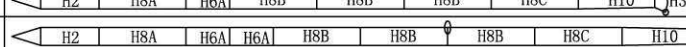
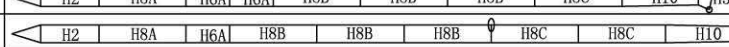
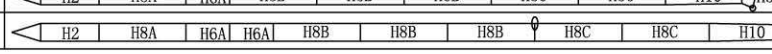
2.In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1t as the equivalent weight of the extension jib.

Boom Combinations of HD\HDB Operating Condition



Boom Combinations of HD\HDB Operating Condition

Assembly table of HD\HDB Operating Condition

Boom length	Boom/jib frame assembly
36m	
42m	
48m	
54m	
60m	
66m	
72m	
78m	
84m	
90m	
96m	
102m	
108m	

Symbol	Length	Label	Remark
H2	12m	H3030-A 26t	Boom base
H10	10.5m	HJ 8.7t	Boom/jib transition insert
H3	1.5m	4.3t	Connecting head
H8A	12m	H3030-A 8t	Boom insert
H8B	12m	H3030-A 8t	Boom insert
H8C	12m	H3030-B 8t	Boom insert
H6A	6m	H3030-A 5t	Boom insert

Note: waist rope is used to booms (ranging from 78m to 108m) at points marked with ().

Assembly mode and length of pull plates between superlift luffing mast and connecting head in HD/HDB Operating Condition

Boom length (m)	Assembly of pull plates between superlift luffing mast and connecting head	Total length of pull plate (m)
36	$L_{H3}+L_{H10N}+L_D$	14.07
42	$L_{H3}+L_{H10N}+L_D+L_{H6N}$	18.32
48	$L_{H3}+L_{H10N}+L_D+L_{H6N}$	21.82
54	$L_{H3}+L_{H10N}+L_D+L_{H8N}$	27.07
60	$L_{H3}+L_{H10N}+L_D+L_{H8N}+L_{H6N}$	32.07
66	$L_{H3}+L_{H10N}+L_D+L_{H8N}\times 2$	38.07
72	$L_{H3}+L_{H10N}+L_D+L_{H8N}\times 2+L_{H6N}$	44.07
78	$L_{H3}+L_{H10N}+L_D+L_{H8N}\times 3$	50.07
84	$L_{H3}+L_{H10N}+L_D+L_{H8N}\times 3+L_{H6N}$	56.07
90	$L_{H3}+L_{H10N}+L_D+L_{H8N}\times 4$	62.07
96	$L_{H3}+L_{H10N}+L_D+L_{H8N}\times 4+L_{H6N}$	68.07
102	$L_{H3}+L_{H10N}+L_D+L_{H8N}\times 5$	74.07
108	$L_{H3}+L_{H10N}+L_D+L_{H8N}\times 5+L_{H6N}$	80.07

Boom Combinations of HD\HDB Operating Condition

Notes:

L_{H2N}: inner pull plate on boom base, 3.5m

L_{H10N}: inner pull plate on 10.5m frame, 10.5m

L_{H3}: pull plate on connecting head, 1.07m

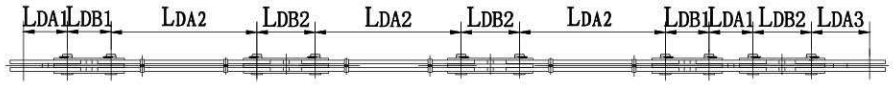
L_{H6N}: inner pull plate on 6m middle section, 6m

L_{H8N}: inner pull plate on 12m middle section, 12m

L_D: pull plate on superlift mast

Assembly mode and length of pull plates L_D on superlift mast with a superlift radius between 11m and 15m in HD\HDB Operating Condition

Boom length (m)	Assembly of L_D	Length of L_D (m)
42	$L_{DA1}+L_{DB1}$	0.75
48	$L_{DA1}+L_{DB1}+L_{DA2}+L_{DB2}+L_{DA2}+L_{DB2}$	4.25
54	$L_{DA2}+L_{DB2}+L_{DA2}+L_{DB2}$	3.5
36、60~108	$L_{DA2}+L_{DB2}+L_{DA1}+L_{DB1}$	2.5

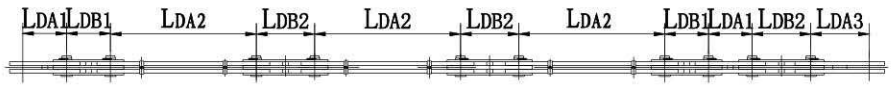


Note: L_{DA1}=375; L_{DB1}=375; L_{DA2}=1250; L_{DB2}=500; L_{DA3}=500

Total length of pull plate (L_D) on superlift mast

Assembly mode and length of pull plates L_D on superlift mast with a superlift radius of 17m in HD\HDB Operating Condition

Boom length (m)	Assembly of L_D	Length of L_D (m)
42	$L_{DA1}+L_{DB1}+L_{DA2}+L_{DB2}+L_{DA3}+L_{DA1}+L_{DB1}$	3.75
48	$L_{DA1}+L_{DB1}+L_{DA2}+L_{DB2}+L_{DA2}+L_{DB2}+L_{DA2}+L_{DB1}+L_{DA1}+L_{DB2}+L_{DA3}$	7.25
54	$L_{DA2}+L_{DB2}+L_{DA2}+L_{DB2}+L_{DA2}+L_{DB1}+L_{DA1}+L_{DB2}+L_{DA3}$	6.5
36、60~108	$L_{DA2}+L_{DB2}+L_{DA2}+L_{DB2}+L_{DA2}+L_{DB1}+L_{DA1}$	5.5

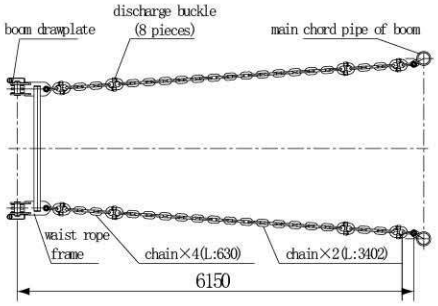
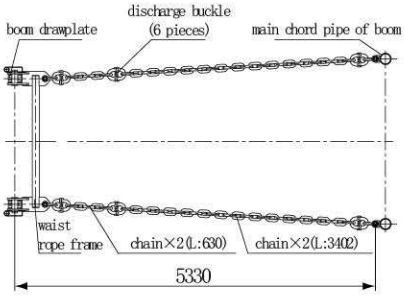
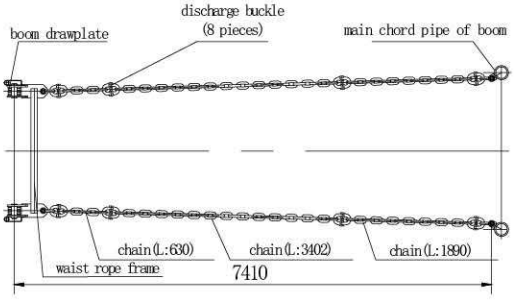


Note: L_{DA1}=375; L_{DB1}=375; L_{DA2}=1250; L_{DB2}=500; L_{DA3}=500

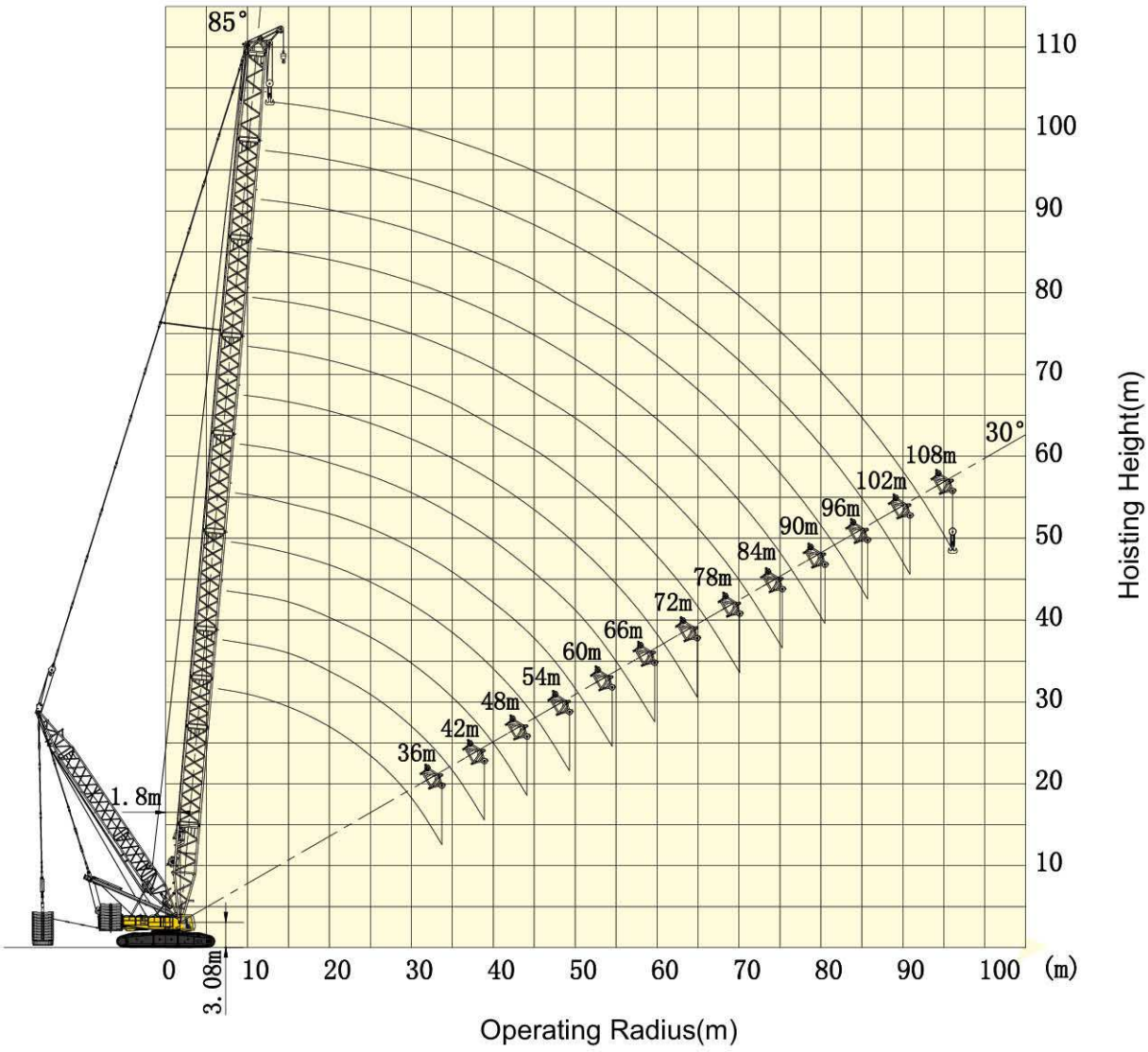
Total length of pull plate (L_D) on superlift mast

Boom Combinations of HD\HDB Operating Condition

Assembly mode and length of waist rope for boom in HD\HDB Operating Condition

Boom length(m)	Assembly mode of waist rope
78	
84	
90	
96	
102	
108	

Operating Range of HD\HDB Operating Condition



Hoisting Height and Operating Range Diagram

Load Charts of HDB Operating Condition

Load Chart of HDB Operating Condition (Hook Block)									
 Boom length36m~108m  Counterweight 180mt  Central ballast 80mt  Superlift Counterweight 0~300mt Unit: mt									
Boom length / radius	36		42		48		54		Boom length / radius
	15m	17m	15m	17m	15m	17m	15m	17m	
7	630.0	630.0							7
8	630.0	630.0	622.0	622.7	609.0	609.0			8
9	630.0	630.0	622.0	622.7	609.0	609.0	546.0	551.3	9
10	630.0	630.0	622.0	622.7	609.0	609.0	546.0	551.3	10
12	612.0	612.2	602.0	602.7	609.0	609.0	546.0	551.3	12
14	544.0	571.8	541.0	560.7	539.0	558.6	532.0	551.3	14
16	476.0	495.0	473.0	493.6	471.0	491.9	465.0	491.0	16
18	423.0	436.0	421.0	434.6	418.0	432.9	412.0	431.9	18
20	381.0	389.2	378.0	387.8	375.0	386.1	370.0	385.1	20
22	339.0	339.2	342.0	349.7	340.0	348.0	334.0	347.1	22
24	298.0	298.2	308.0	318.2	307.0	316.6	304.0	315.6	24
26	263.0	263.6	282.0	286.7	280.0	290.0	276.0	289.1	26
28	239.0	233.1	257.0	257.3	256.0	267.4	253.0	266.5	28
30	213.0	205.8	231.0	231.0	237.0	245.7	232.0	247.0	30
34			189.0	186.9	202.0	203.7	199.0	212.1	34
38			156.0	150.2	169.0	169.1	173.0	179.6	38
42					143.0	139.7	151.0	153.3	42
46							127.0	129.2	46
wind velocity									wind velocity

Notes: 1.The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

2. In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1mt as the equivalent weight of the extension jib.

Load Charts of HDB Operating Condition

Load Chart of HDB Operating Condition (Hook Block)

 Boom length36m~108m  Counterweight 180mt  Central ballast 80mt  Superlift Counterweight 0~300mt Unit: mt

Boom length / radius	60		66		72		78		Boom length / radius
	15m	17m	15m	17m	15m	17m	15m	17m	
9	495.0	499.8							9
10	495.0	499.8	430.0	434.7	384.0	391.7			10
11	495.0	499.8	430.0	434.7	384.0	391.7			11
12	495.0	499.8	430.0	434.7	384.0	391.7	325.0	331.8	12
14	495.0	499.8	430.0	434.7	384.0	391.7	325.0	331.8	14
16	463.0	490.8	425.0	429.5	384.0	391.7	325.0	331.8	16
18	410.0	431.8	403.0	407.4	372.0	380.1	324.0	330.8	18
20	368.0	385.1	367.0	382.4	355.0	362.3	315.0	321.3	20
22	333.0	347.0	331.0	344.4	327.0	342.8	306.0	312.9	22
24	303.0	315.6	302.0	313.0	297.0	311.3	296.0	304.5	24
26	275.0	289.1	275.0	286.5	271.0	284.8	271.0	283.8	26
28	252.0	266.4	251.0	263.8	249.0	262.2	248.0	261.2	28
30	232.0	246.9	231.0	244.3	227.0	242.7	227.0	241.6	30
34	198.0	214.2	196.0	212.3	193.0	210.7	192.0	209.0	34
38	171.0	184.8	170.0	184.8	167.0	184.8	166.0	181.7	38
42	151.0	159.6	149.0	162.8	147.0	161.7	146.0	160.7	42
46	135.0	137.6	134.0	141.8	130.0	143.9	129.0	142.8	46
50	117.0	118.7	119.0	123.9	117.0	127.1	116.0	127.1	50
54	101.4	101.3	107.0	108.2	106.0	112.4	105.0	113.4	54
58			93.1	94.0	96.0	99.2	95.0	101.3	58
59					93.8	96.1	93.0	98.4	59
62					84.9	86.6	87.0	89.8	62
65							80.1	81.9	65
66							77.7	79.3	66
70							67.0	69.3	70
wind velocity									wind velocity

Notes: 1.The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

2. In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1mt as the equivalent weight of the extension jib.

Load Charts of HDB Operating Condition

Load Chart of HDB Operating Condition (Hook Block)							
 Boom length36m~108m  Counterweight 180mt  Central ballast 80mt  Superlift Counterweight 0~300mt Unit: mt							
Boom length / radius	84		90	96	102	108	Boom length / radius
	15m	17m	15m	15m	15m	15m	
12	289.0	295.1	289.0	254.0			12
13	289.0	560.5	288.0	253.0	218.0	191.0	13
14	289.0	295.1	288.0	253.0	218.0	191.0	14
16	289.0	295.1	287.0	250.0	215.0	189.0	16
18	289.0	295.1	286.0	248.0	212.0	187.0	18
20	286.0	291.9	285.0	246.0	210.0	184.0	20
22	279.0	284.6	274.0	242.0	208.0	182.0	22
24	272.0	278.3	264.0	236.0	203.0	179.0	24
26	266.0	259.6	254.0	231.0	198.0	174.0	26
28	247.0	240.0	237.0	226.0	193.0	170.0	28
30	225.0	208.0	217.0	213.0	188.0	165.0	30
34	191.0	182.9	186.3	183.6	173.3	155.6	34
38	164.0	162.6	160.3	158.3	156.0	144.6	38
42	144.0	145.9	139.0	137.0	136.0	132.0	42
46	127.0	131.9	123.6	121.6	120.6	118.0	46
50	114.0	120.0	110.1	108.1	107.3	105.5	50
54	103.0	109.8	98.5	96.5	96.0	94.5	54
58	93.7	100.3	89.5	87.3	86.8	85.0	58
62	85.0	89.8	81.0	79.3	78.8	76.8	62
66	78.0	80.3	74.0	72.0	71.5	69.5	66
70	70.0	71.4	67.0	65.6	65.5	63.5	70
74	61.0	63.0	60.0	59.3	59.6	58.0	74
75			58.2	57.7	58. 2	56. 5	75
78			53	53.0	54	52	78
80			50	49.5	51. 2	49. 5	80
82				46.6	48. 4	47	82
85				43.0	44. 2	43. 3	85
86					42. 9	42. 1	86
90					38. 2	37. 3	90
91					37. 5	36. 1	91
94						33	94
96						31. 6	96
wind velocity	12m/s						wind velocity

Notes: 1.The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

2. In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1mt as the equivalent weight of the extension jib.

Load Charts of HD Operating Condition

Load Chart of HD Operating Condition (Hook Block)					
 Boom length36m~84m  Counterweight 180mt  Central ballast 80mt Unit: mt					
Boom length / radius	36	42	48	54	Boom length / radius
	15m	15m	15m	15m	
7	606.9				7
8	530.3	529.2	524.2		8
9	448.4	446.3	443.0	439.8	9
10	375.9	373.8	369.2	364.6	10
12	274.1	272.0	268.3	264.7	12
14	214.2	212.1	209.0	206.0	14
16	174.3	173.3	169.5	166.9	16
18	147.0	144.9	141.4	139.1	18
20	126.0	123.9	120.6	118.5	20
22	109.2	107.1	105.0	103.0	22
24	97.1	95.0	92.6	90.1	24
26	86.6	84.5	82.2	79.8	26
28	78.2	76.1	73.3	71.6	28
30	70.9	68.8	66.0	64.4	30
34		57.2	54.6	52.5	34
38		49.1	46.4	44.3	38
42			39.9	37.6	42
46				32.2	46
wind velocity	12m/s				wind velocity

Notes: 1.The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

2.In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1mt as the equivalent weight of the extension jib.

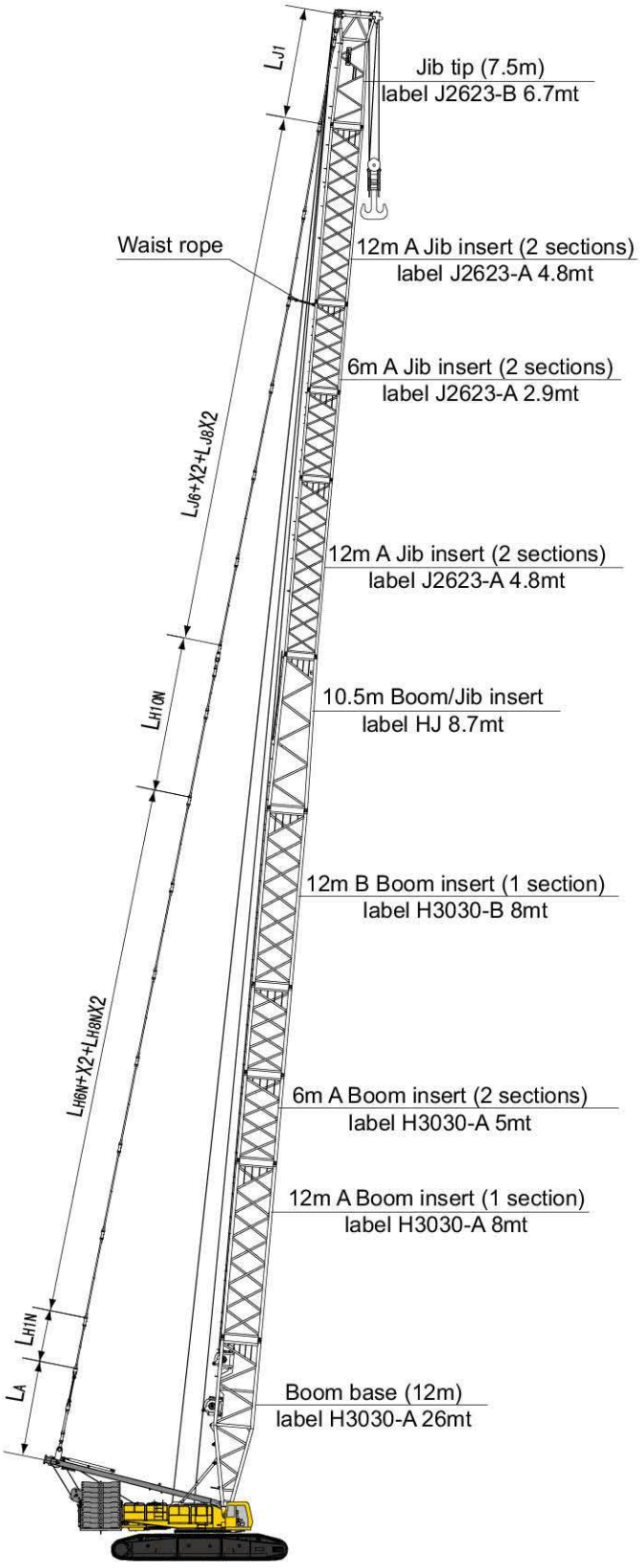
Load Charts of HD Operating Condition

Loade Chart of HD Operating Condition (Hook Block)								
 Boom length36m~84m  Counterweight 180mt  Central ballast 80mt Unit: mt								
Boom length / radius	60	66	72	78	Boom length / radius		Boom length / radius	84
	15m	15m	15m	15m				15m
9	438.8				9		12	260.6
10	364.6	363.6	360.5		10		13	230.7
11	314.7	313.6	311.6		11		14	200.9
12	264.7	263.7	262.7	262.7	12		16	161.7
14	205.0	203.9	203.9	202.9	14		18	133.9
16	165.8	164.8	164.8	163.8	16		20	113.3
18	138.0	137.0	137.0	136.0	18		22	97.3
20	117.4	116.4	115.4	115.4	20		24	84.5
22	102.0	100.9	99.9	98.9	22		26	74.2
24	89.1	88.1	87.0	86.0	24		28	65.4
26	78.8	77.8	76.7	75.7	26		30	57.7
28	70.0	69.0	68.0	67.0	28		34	46.1
30	62.8	61.8	60.8	59.7	30		38	36.7
34	51.5	50.4	49.2	48.2	34		42	29.3
38	42.8	41.5	40.1	38.8	38		46	23.4
42	35.8	34.3	32.8	31.5	42		50	18.5
46	30.2	28.5	27.0	25.5	46		54	14.5
50	25.8	23.9	22.2	20.8	50		58	11.2
54	22.2	20.2	18.3	16.8	54		62	8.4
58		17.2	15.1	13.6	58		66	6.1
59			14.4	12.9	59			
62			12.6	10.8	62			
65				9.1	65			
66				8.5	66			
70				6.8	70			
wind velocity	12m/s				wind velocity		wind velocity	12m/s

Notes: 1.The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

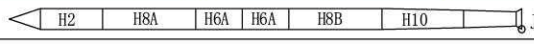
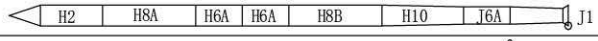
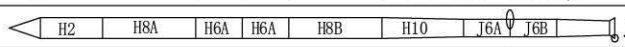
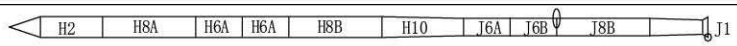
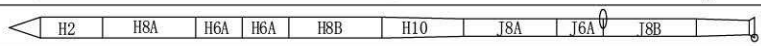
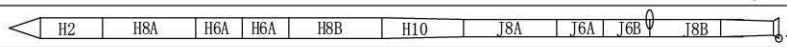
2.In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1mt as the equivalent weight of the extension jib.

Boom Combinations of HJ Operating Condition



Boom Combinations of HJ Operating Condition

Assembly Table of HJ Operating Condition

Boom length	Boom/jib frame assembly
66m	
72m	
78m	
84m	
90m	
96m	
102m	

Symbol	Length	Label	Remark	Symbol	Length	Label	Remark
H2	12m	H3030-B 26t	boom base	J1	7.5m	J2622-B 5t	luffing jib tip
H10	10.5m	HJ 8.7t	variable-diameter section of boom	J8A	12m	J2623-A 4.8t	luffing jib middle section
H8A	12m	H3030-A 8t	boom middle section	J8B	12m	J2623-B 4.8t	luffing jib middle section
H8B	12m	H3030-A 8t	boom middle section	J6A	6m	J2623-A 2.9t	luffing jib middle section
H6A	6m	H3030-A 5t	boom middle section	J6B	6m	J2623-B 2.7t	luffing jib middle section

Note: waist rope is used to booms (ranging from 78m to 108m) at points marked with ▯.

Assembly mode and length of pull plates between superlift luffing mast and jib tip in HJ Operating Condition

Boom length (m)	Assembly of pull plates between superlift luffing mast and connecting head	Total length of pull plate (m)
66	$L_A+L_{H2N}+L_{H10N}+L_{J1}+L_{H6N}\times 2+L_{H8N}\times 2$	64
72	$L_A+L_{H2N}+L_{H10N}+L_{J1}+L_{H6N}\times 2+L_{H8N}\times 2+L_{J6}$	70
78	$L_A+L_{H2N}+L_{H10N}+L_{J1}+L_{H6N}\times 2+L_{H8N}\times 2+L_{J6}\times 2$	76
84	$L_A+L_{H2N}+L_{H10N}+L_{J1}+L_{H6N}\times 2+L_{H8N}\times 2+L_{J6}+L_{J8}$	82
90	$L_A+L_{H2N}+L_{H10N}+L_{J1}+L_{H6N}\times 2+L_{H8N}\times 2+L_{J6}\times 2+L_{J8}$	88
96	$L_A+L_{H2N}+L_{H10N}+L_{J1}+L_{H6N}\times 2+L_{H8N}\times 2+L_{J6}+L_{J8}\times 2$	94
102	$L_A+L_{H2N}+L_{H10N}+L_{J1}+L_{H6N}\times 2+L_{H8N}\times 2+L_{J6}\times 2+L_{J8}\times 2$	100

Boom Combinations of HJ Operating Condition

Notes:

L_{H2N}: inner pull plate on boom base, 3.5m

L_{H10N}: inner pull plate on 10.5m frame, 10.5m

L_{J1}: pull plate on jib tip, 7.5m

L_{H6N}: inner pull plate on 6m middle section of boom, 6m

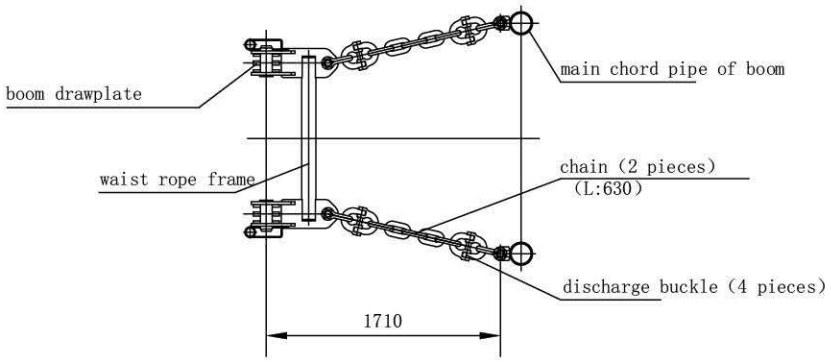
L_{H8N}: inner pull plate on 12m middle section of boom, 12m

L_{J6}: pull plate on 6m middle section of jib, 6m

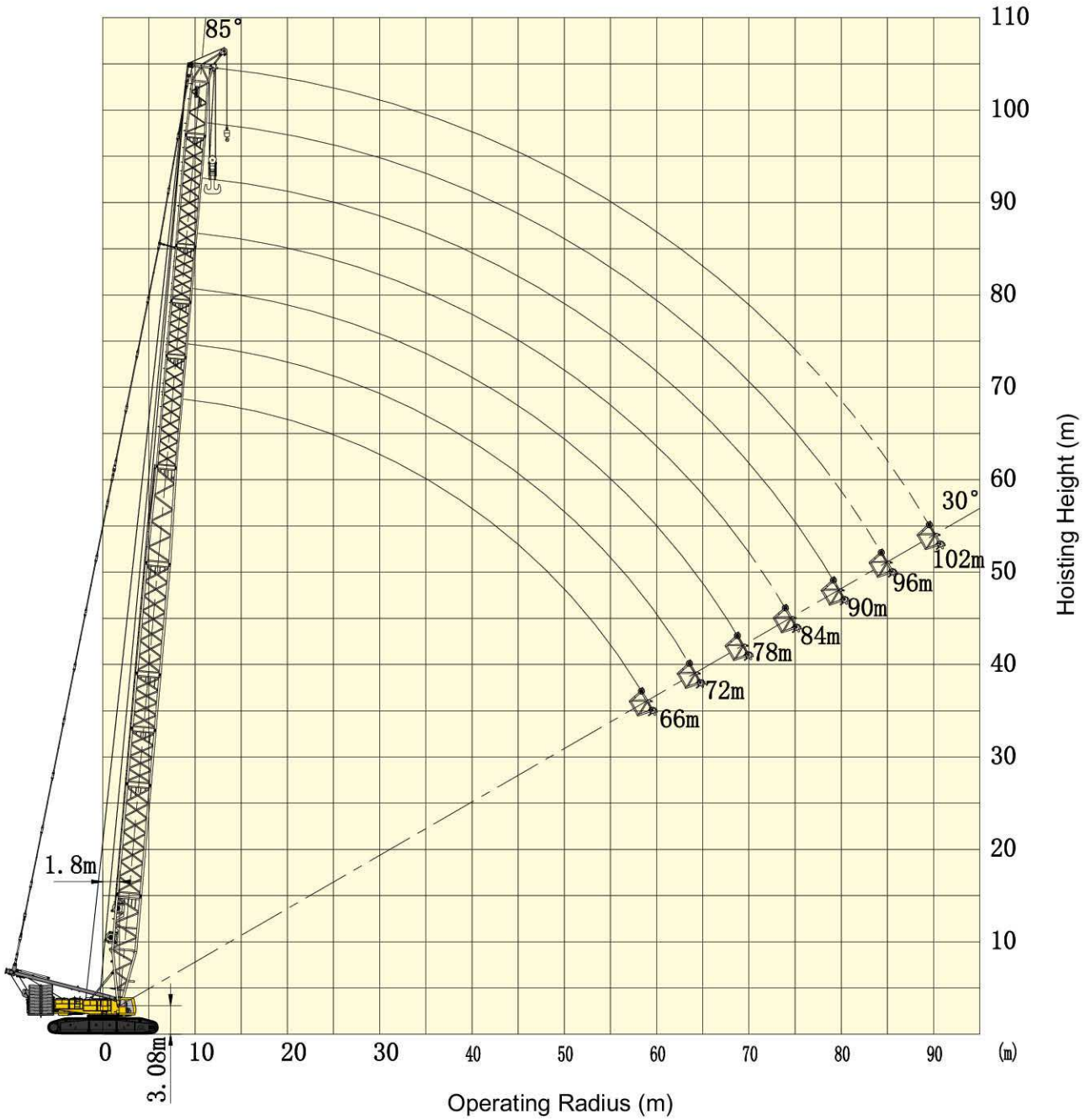
L_{J8}: pull plate on 12m middle section of jib, 12m

L_A: pull plate on main luffing mast, 6.5m

Assembly mode and length of pull plates in HJ oprating condition

Boom length (m)	Assembly mode of waist rope
78	
84	
90	
96	
102	

Operating Range of HJ Operating Condition



Hoisting Height and Operating Range Diagram

Load Charts of HJ Operating Condition

Loade Chart of HJ Operating Condition (Hook Block)

 Length of mixed main boom 66m～102m  Counterweight 180mt  Central ballast 80mt Unit: mt

radius \ length	66	72	78	84	length \ radius
9	322.3				9
10	322.3	259.0	210.1		10
11	293.1	256.4	210.1		11
12	263.9	253.8	210.1	175.8	12
14	205.5	197.6	181.0	156.0	14
16	166.6	160.2	159.1	138.3	16
18	139.5	134.2	134.2	123.8	18
20	119.0	114.4	114.4	111.3	20
22	103.8	99.3	98.8	98.3	22
24	90.9	87.4	86.8	85.8	24
26	80.6	77.0	77.0	75.9	26
28	71.9	69.2	68.6	67.6	28
30	64.9	61.9	61.4	60.8	30
34	53.5	51.1	50.6	49.7	34
38	44.9	42.6	42.1	41.2	38
42	38.0	36.0	35.5	34.3	42
46	32.3	30.5	29.8	28.6	46
50	27.6	25.8	25.2	23.9	50
54	23.7	22.0	21.3	20.1	54
58	20.4	18.8	18.1	16.7	58
62		16.1	15.3	14.0	62
66			13.0	11.6	66
70			11.0	9.6	70
74				7.9	74
75					75
wind velocity	12m/s				wind velocity

radius \ length	90	96	102	length \ radius
12	158.6	141.1		12
13	158.6	141.1		13
14	158.6	141.1	111.2	14
16	146.3	130.8	102.0	16
18	130.8	121.5	93.7	18
20	111.2	111.2	86.5	20
22	96.8	95.8	80.3	22
24	84.5	83.9	74.2	24
26	74.7	74.2	70.0	26
28	66.4	65.9	65.4	28
30	59.2	58.7	58.2	30
34	48.6	48.0	47.5	34
38	40.2	39.6	38.9	38
42	33.3	32.4	31.8	42
46	27.6	26.8	26.2	46
50	22.9	22.0	21.4	50
54	19.1	17.6	17.5	54
58	15.8	14.9	14.2	58
62	13.0	12.1	11.4	62
64	11.7	10.8	10.2	64
66	10.6	9.7	9.0	66
67	10.1	9.1	8.3	67
70	8.5	7.5	6.8	70
71	8.0	7.0	6.3	71
73	7.1	6.1	5.4	73
74	6.7	5.7	4.9	74
78	5.2	4.1		78
wind velocity	12m/s			wind velocity

Notes: 1.The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

2. In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1mt as the equivalent weight of the extension jib.

Load Charts of HJ Operating Condition

Loade Chart of HJ Operating Condition (Hook Block)

 Length of mixed main boom 66m～102m  Counterweight 160mt Unit: mt

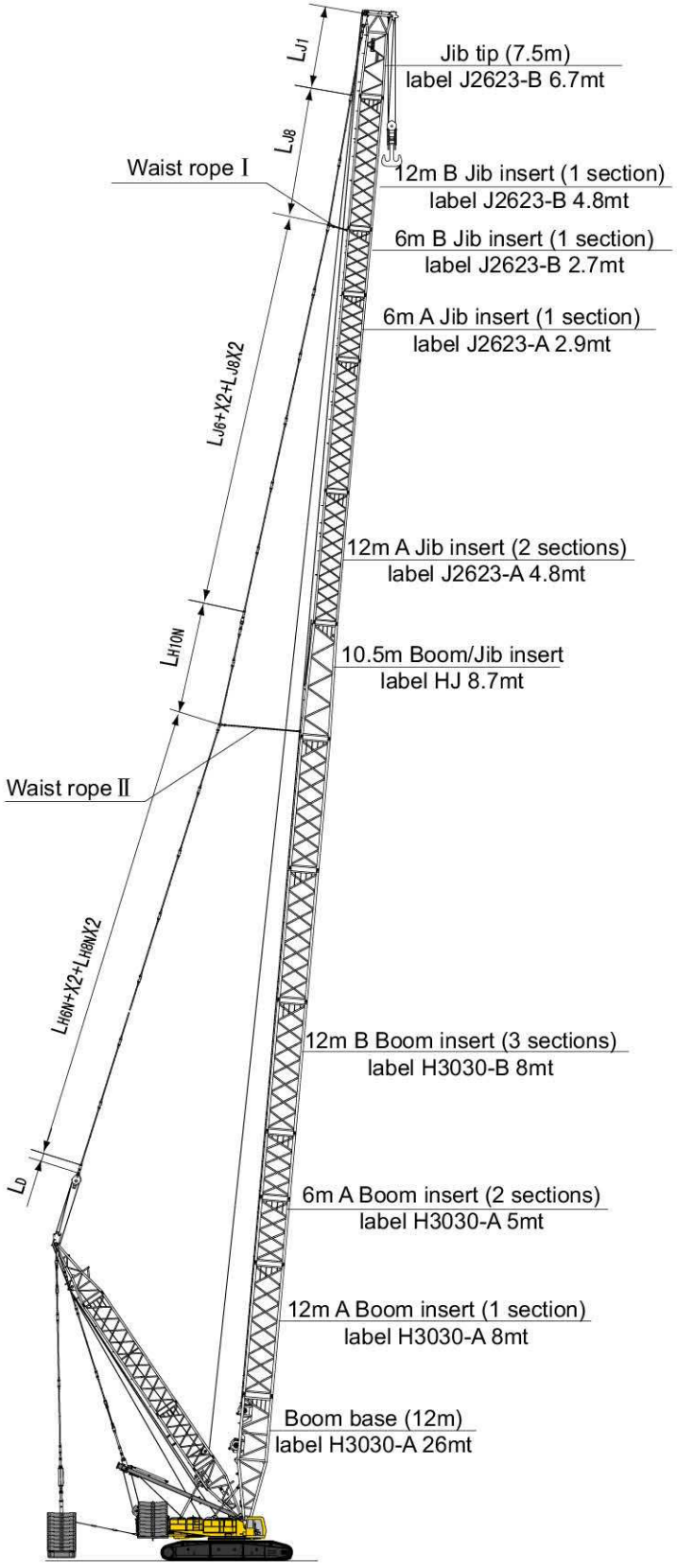
radius \ length	66	72	78	84	length \ radius
9	309.0				9
10	287.0	258.0	210.0		10
11	247.0	233.4	209.0		11
12	208.0	208.0	208.0	175.0	12
14	161.0	161.0	161.0	156.0	14
16	131.0	130.0	130.0	128.0	16
18	108.0	108.0	108.0	107.0	18
20	92.0	92.0	92.0	91.0	20
22	79.5	79.5	79.0	78.0	22
24	69.6	69.1	68.0	68.1	24
26	61.3	60.8	60.0	59.8	26
28	54.6	54.0	53.5	52.5	28
30	48.8	48.4	48.0	47.1	30
34	39.6	39.2	38.7	37.7	34
38	32.5	32.0	31.4	30.2	38
42	26.7	26.1	25.5	24.3	42
46	22.0	21.4	20.8	19.5	46
50	18.3	17.5	16.9	15.7	50
54	15.1	14.4	13.7	12.4	54
58	12.6	11.7	11.0	9.7	58
62		9.5	8.7	7.4	62
66			6.8	5.5	66
70			5.3		70
wind					wind

radius \ length	90	96	102	length \ radius
12	158.0	141.0		12
13	158.0	141.0		13
14	158.0	141.0	111.0	14
16	127.0	126.0	101.0	16
18	106.0	105.0	93.0	18
20	89.0	89.1	86.0	20
22	76.7	76.0	75.7	22
24	66.0	65.0	65.0	24
26	58.0	57.0	57.0	26
28	51.5	51.2	50.7	28
30	46.0	45.4	45.0	30
34	36.6	35.9	35.4	34
38	29.2	28.4	27.9	38
42	23.3	22.5	22.0	42
46	18.6	17.8	17.2	46
50	14.7	13.9	13.2	50
54	11.5	10.7	10.0	54
58	8.8	7.9	7.3	58
62	6.4	5.5	4.9	62
64	5.4			64
66	4.5			66
wind				wind

Notes: 1.The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

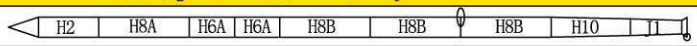
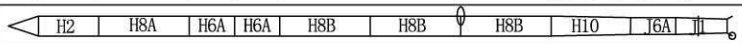
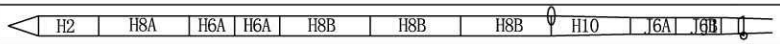
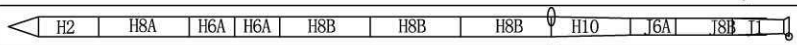
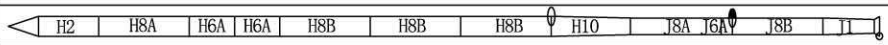
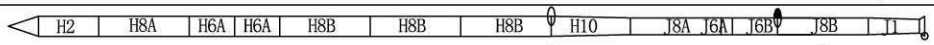
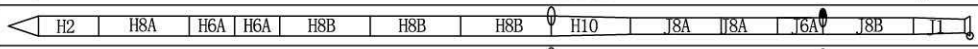
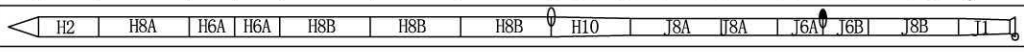
2. In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1mt as the equivalent weight of the extension jib.

Boom Combinations of HJD\HJDB Operating Condition



Boom Combinations of HJD\HJDB Operating Condition

Assembly in HJD\HJDB Operating Condition

Boom length	Boom/jib frame assembly
90m	
96m	
102m	
108m	
114m	
120m	
126m	
132m	
138m	

Notes:1.Waist rope Ⅰ is used in the points marked with ○, waist rope Ⅱ is used in the points marked with ◓.

2.Lengthes of waist rope Ⅰ are 7.41m (for 96m boom,114m boom, 126m~138m boom), 6.15m (for 90m boom,108m boom, 120m boom), and 5.33m (for 102m boom), length of waist rope Ⅱ is 1.71m (for 120m~138m boom).

Symbol	Length	Label	Remark	Symbol	Length	Label	Remark
H2	12m	H3030-A 26t	boom base	J1	7.5m	J2622-B 5t	luffing jib tip
H10	10.5m	HJ 8.7t	variable-diameter section of boom	J8A	12m	J2623-A 4.8t	luffing jib middle section
H8A	12m	H3030-A 8t	boom middle section	J8B	12m	J2623-B 4.8t	luffing jib middle section
H8B	12m	H3030-A 8t	boom middle section	J6A	6m	J2623-A 2.9t	luffing jib middle section
H6A	6m	H3030-A 5t	boom middle section	J6B	6m	J2623-B 2.7t	luffing jib middle section

Assembly mode and length of pull plates between main luffing mast and jib tip in HJD\HJDB Operating Condition

Boom length (m)	Assembly of pull plates between superlift luffing mast and connecting head	Total length of pull plate (m)
90	$L_D+L_{J1}+L_{H10N}+L_{H6N}+L_{H8N}\times 3$	61.75
96	$L_D+L_{J1}+L_{H10N}+L_{H6N}+L_{H8N}\times 3+L_{J6}$	67.75
102	$L_D+L_{J1}+L_{H10N}+L_{H6N}+L_{H8N}\times 3+L_{J6}\times 2$	73.75
108	$L_D+L_{J1}+L_{H10N}+L_{H6N}+L_{H8N}\times 3+L_{J6}+L_{J8}$	79.75
114	$L_D+L_{J1}+L_{H10N}+L_{H6N}+L_{H8N}\times 3+L_{J6}\times 2+L_{J8}$	85.75
120	$L_D+L_{J1}+L_{H10N}+L_{H6N}+L_{H8N}\times 3+L_{J6}+L_{J8}\times 2$	91.75
126	$L_D+L_{J1}+L_{H10N}+L_{H6N}+L_{H8N}\times 3+L_{J6}\times 2+L_{J8}\times 2$	97.75
132	$L_D+L_{J1}+L_{H10N}+L_{H6N}+L_{H8N}\times 3+L_{J6}+L_{J8}\times 3$	103.75
138	$L_D+L_{J1}+L_{H10N}+L_{H6N}+L_{H8N}\times 3+L_{J6}\times 2+L_{J8}\times 3$	108.75

Boom Combinations of HJD\HJDB Operating Condition

Notes:

L_{J1}: pull plate of jib tip, 7.5m

L_{H10N}: inner pull plate on 10.5m frame, 10.5m

L_{H6N}: inner pull plate on middle section of 6m boom, 6m

L_{H8N}: inner pull plate on middle section of 12m boom, 12m

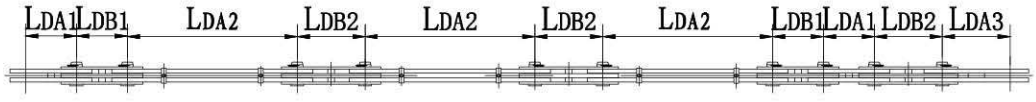
L_{J6}: pull plate on middle section of 6m jib, 6m

L_{J8}: pull plate on middle section of 12m jib, 12m

L_D: pull plate on superlift mast

Assembly mode and length of pull plates L_D on superlift mast in HJD\HJDB Operating Condition

Boom length (m)	Assembly of L_D	Length of L_D (m)
90~138	$L_{DA1}+L_{DB1}+L_{DA3}+L_{DB2}$	1.75



Note: L_{DA1}=375； L_{DB1}=375； L_{DA2}=1250； L_{DB2}=500； L_{DA3}=500

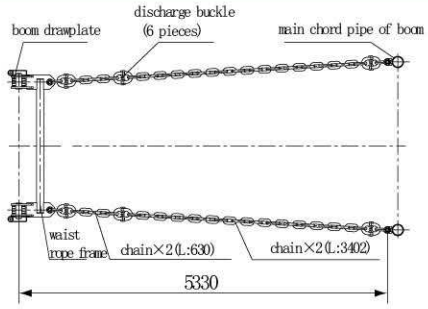
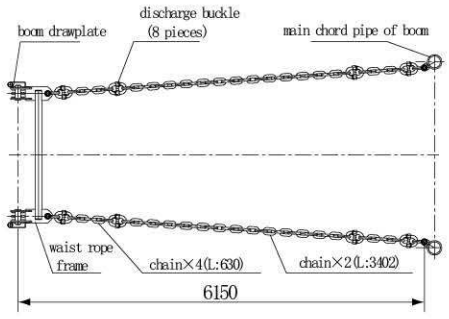
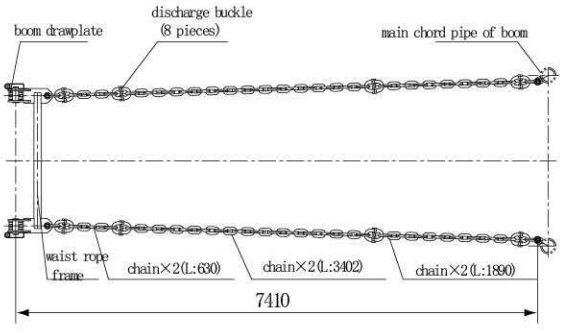
Total length of pull plate (L_D) on superlift mast

Notes 1. Waist rope I is used (1.71m) in positions indicated in Table 1.15 when the boom length is 102m, 108m, 114m, 120m or 126m.

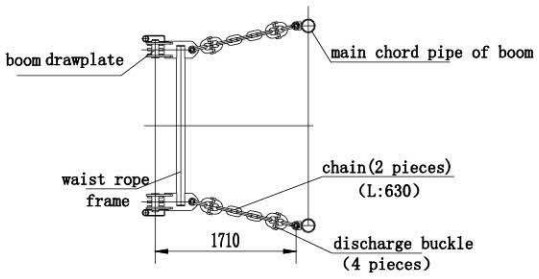
2. Waist rope I and II (respectively 1.71m and 7.415m) are used in positions indicated in Table 1.15 when the boom length is 132m or 138m.

Boom Combinations of HJD\HJDB Operating Condition

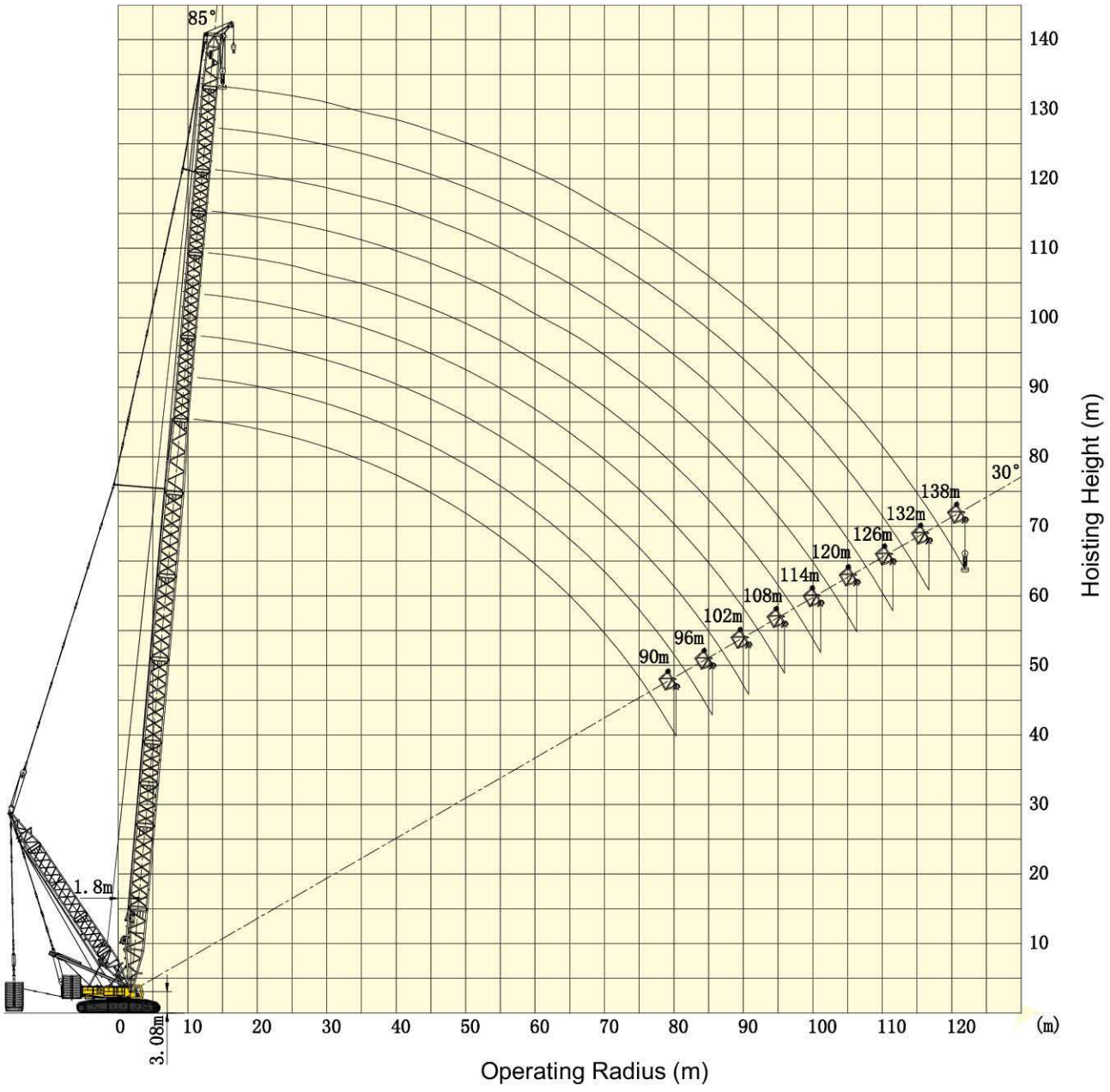
Assembly mode and length of waist rope I for boom in HJD\HJDB Operating Condition

Boom length(m)	Assembly mode and length of waist rope I
102	
90 108 120	
96 114 126 132 138	

Assembly mode and length of boom waist rope II in HJD\HJDB Operating Condition

Boom length(m)	Assembly mode of waist rope Ⅱ
120 126 132 138	

Operating Range of HJD\HJDB Operating Condition



Hoisting Height and Operating Range Diagram

Load Charts of HJDB Operating Condition

Loade Chart of HJDB Operating Condition (Hook Block)

 Length of mixed main boom 90m～138m

 Superlift radius 11m～15m

 Counterweight 180mt

 Superlift counterweight 0～300mt

 Central ballast 80mt

Unit:mt

length / radius	90	96	102	length / radius
12	255.4	221.5		12
13	255.4	220.4		13
14	255.4	220.4	186.4	14
16	255.4	219.4	184.4	16
18	255.4	218.4	183.3	18
20	253.4	217.3	181.3	20
22	248.2	215.3	179.2	22
24	242.1	211.2	177.2	24
26	236.9	208.1	175.1	26
28	230.7	205.0	173.0	28
30	218.4	199.8	171.0	30
34	196.7	183.3	160.7	34
38	171.0	167.9	149.4	38
42	150.4	149.4	138.0	42
46	132.9	132.9	127.7	46
50	119.5	118.5	117.4	50
54	108.2	107.1	107.1	54
58	98.4	97.9	97.3	58
62	90.1	89.6	89.1	62
66	82.9	82.4	81.4	66
70	76.2	75.7	75.2	70
74	70.6	70.0	69.5	74
78	62.8	64.9	64.4	78
80		61.5	62.3	80
82		58.2	59.7	82
85			55.4	85
86			54.1	86
90			48.6	90
wind velocity	12m/s			wind velocity

length / radius	108	114	120	length / radius
14	157.6	138.0	125.7	14
16	154.5	136.0	124.6	16
18	151.4	134.9	123.6	18
20	149.4	132.9	121.5	20
22	146.3	130.8	120.5	22
24	143.2	129.8	118.5	24
26	140.1	127.7	117.4	26
28	137.0	125.7	115.4	28
30	133.9	123.6	114.3	30
34	127.7	120.5	110.2	34
38	122.6	116.4	107.1	38
42	117.4	111.2	103.0	42
46	111.2	107.1	99.9	46
50	106.1	102.0	95.8	50
54	100.9	97.9	92.7	54
58	95.8	93.7	88.6	58
62	88.1	87.6	84.5	62
66	80.9	80.3	79.8	66
70	74.2	73.6	73.6	70
74	68.5	68.0	68.0	74
78	63.3	62.8	62.8	78
82	59.2	58.7	58.2	82
86	54.6	54.6	54.1	86
90	49.4	50.3	50.6	90
94	43.1	45.6	46.4	94
96		43.4	44.3	96
98		41.2	42.2	98
101			39.1	101
102			38.2	102
106			34.3	106
wind velocity	12m/s			wind velocity

length / radius	126	132	138	length / radius
16	112.3	98.9	84.5	16
18	111.2	97.9	82.4	18
20	111.2	96.8	81.4	20
22	110.2	95.8	80.3	22
24	109.2	94.8	79.3	24
26	108.2	93.7	77.3	26
28	107.1	92.7	76.2	28
30	106.1	91.7	75.2	30
34	104.0	89.6	73.1	34
38	102.0	88.6	70.0	38
42	99.9	87.6	68.0	42
46	96.8	85.5	64.9	46
50	93.7	84.5	62.8	50
54	90.6	82.4	59.7	54
58	87.6	80.3	56.7	58
62	84.5	77.3	53.6	62
66	79.3	75.2	50.5	66
70	73.1	71.6	47.4	70
74	67.5	66.4	43.3	74
78	62.3	61.3	40.2	78
82	57.7	56.7	37.1	82
86	53.6	52.5	34.9	86
90	50.2	48.9	33.9	90
94	46.4	45.0	32.9	94
98	42.5	41.4	31.8	98
102	38.8	38.0	30.7	102
106	35.2	34.6	29.7	106
110	31.6	31.3	28.6	110
111		30.5	28.3	111
114		28.1	27.6	114
116			26.4	116
118			25.1	118
122			22.7	122
wind velocity	12m/s			wind velocity

Notes: 1. The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

2. In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1t as the equivalent weight of the extension jib.

Load Charts of HJD Operating Condition

Loade Chart of HJD Operating Condition (Hook Block)

 Length of mixed main boom 90m~138m  Superlift radius 11m~15m  Counterweight 180mt  Central ballast 80mt Unit: mt

length / radius	90	96	102	length / radius
12	246.2	213.2		12
13	226.6	210.6		13
14	208.1	208.1	178.2	14
16	167.9	167.9	167.9	16
18	140.1	140.1	140.1	18
20	119.5	119.5	118.5	20
22	103.0	103.0	102.5	22
24	90.6	90.1	89.6	24
26	79.8	79.3	79.3	26
28	71.1	70.6	70.0	28
30	63.9	63.3	62.8	30
34	52.0	51.5	51.1	34
38	43.0	42.4	42.0	38
42	35.5	34.9	34.4	42
46	29.6	28.8	28.3	46
50	24.5	23.9	23.3	50
54	20.4	19.7	19.1	54
58	16.9	16.2	15.6	58
62	13.9	13.1	12.5	62
66	11.3	10.5	9.9	66
70	9.1	8.2	7.6	70
74	7.1	6.3	5.6	74
78	5.5	4.5		78
wind velocity	12/m/s			wind velocity

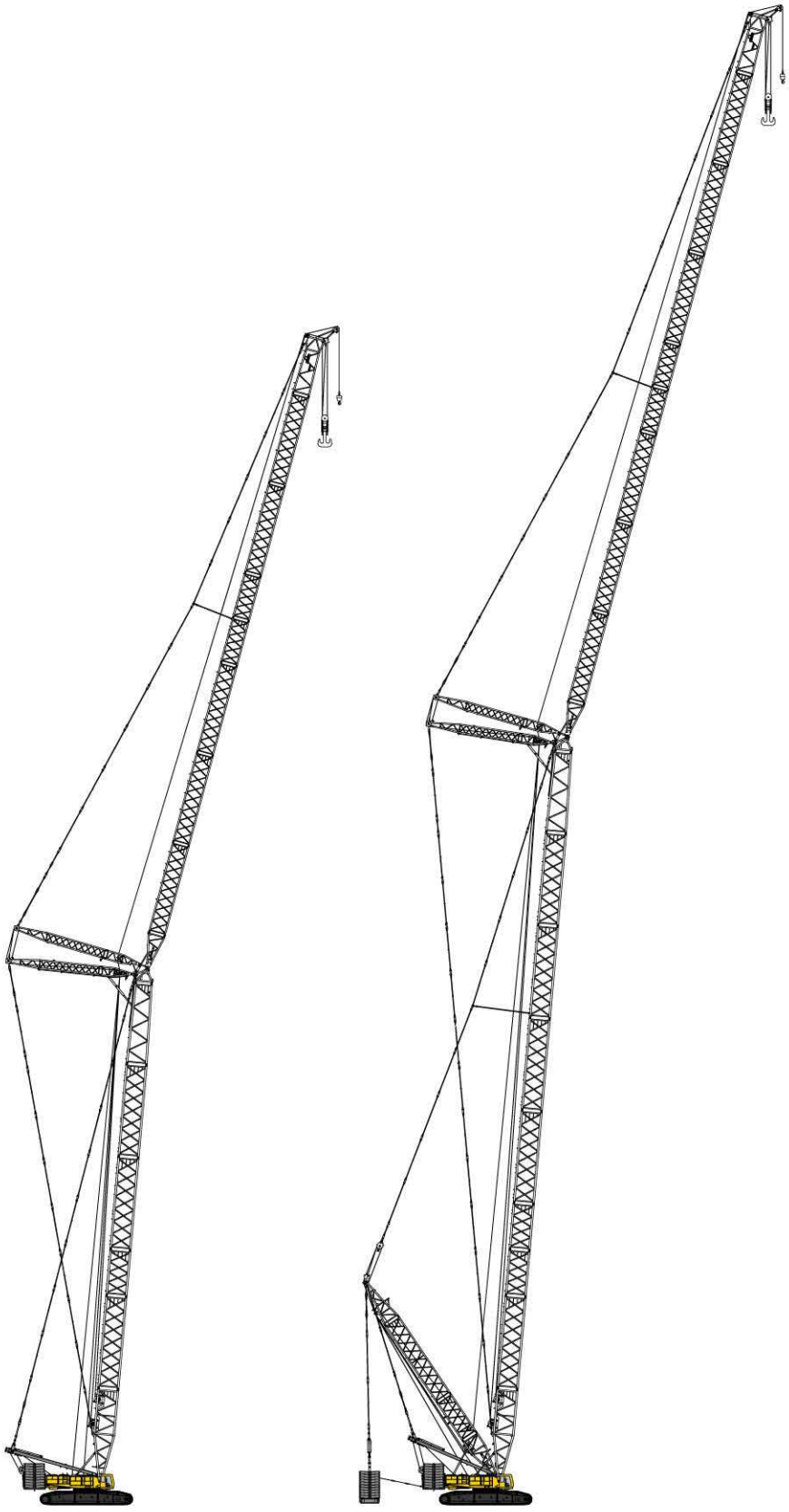
length / radius	108	114	120	length / radius
14	151.4	132.9	122.6	14
16	147.3	129.8	120.5	16
18	139.1	127.7	118.5	18
20	117.4	117.4	115.4	20
22	102.0	101.5	101.5	22
24	88.6	88.6	88.6	24
26	78.3	77.8	77.8	26
28	69.5	69.0	69.0	28
30	61.8	61.8	61.3	30
34	50.2	49.9	49.7	34
38	40.9	40.5	40.3	38
42	33.4	33.0	32.7	42
46	27.2	26.8	26.6	46
50	22.1	21.7	21.4	50
54	17.9	17.5	17.2	54
58	14.4	13.9	13.6	58
62	11.3	10.8	10.6	62
66	8.7	8.1	7.9	66
70	6.4	5.9	5.6	70
74	4.3			74
wind velocity	12/m/s			wind velocity

length / radius	126	132	138	length / radius
16	109.2	94.8	81.4	16
18	107.1	92.7	79.3	18
20	106.1	90.6	76.2	20
22	101.5	89.6	74.2	22
24	88.1	86.5	72.1	24
26	77.8	76.7	71.1	26
28	68.5	67.5	67.0	28
30	61.3	60.3	59.7	30
34	49.4	48.4	47.7	34
38	40.0	38.1	37.9	38
42	32.3	31.4	30.3	42
46	26.2	25.2	24.1	46
50	21.0	19.9	19.1	50
54	16.8	15.7	14.7	54
58	13.2	12.1	11.1	58
62	10.1	8.9	8.0	62
66	7.4	6.2	5.4	66
70	5.0			70
wind velocity	12/m/s			wind velocity

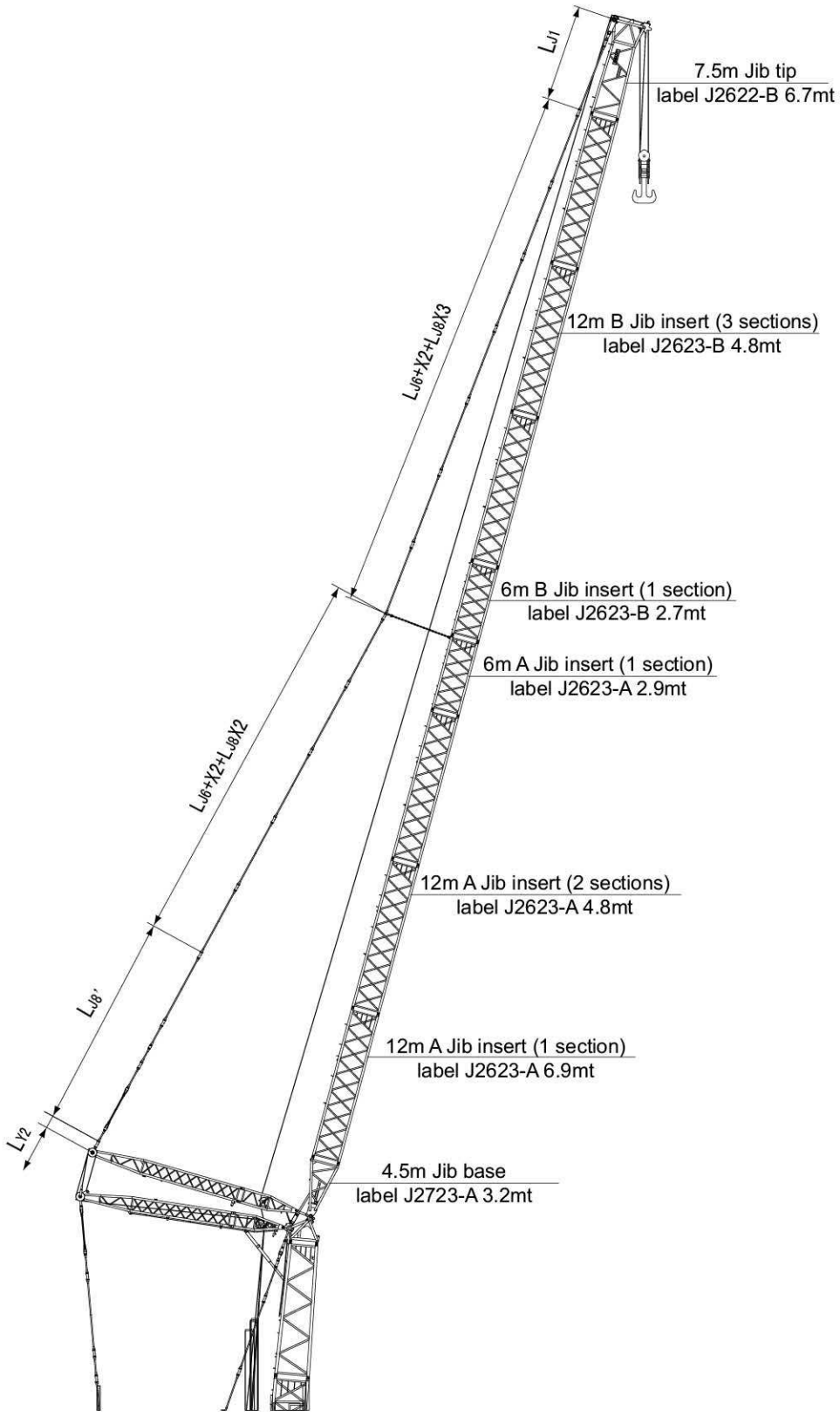
Notes: 1. The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

2. In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1t as the equivalent weight of the extension jib.

Boom Combinations of LJ/LJD\LJDB Operating Condition

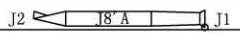
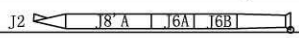
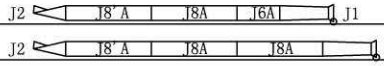
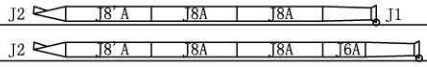
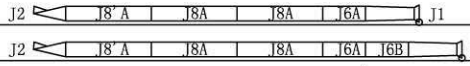
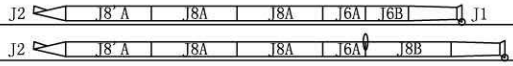
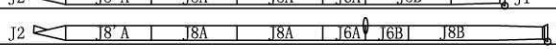
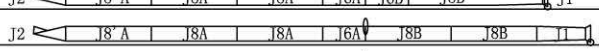
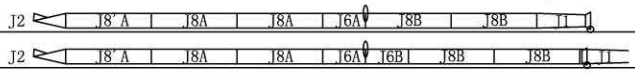
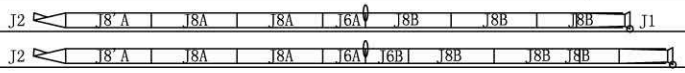


Boom Combinations of LJ/LJD\LJDB Operating Condition

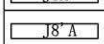
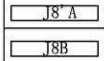


Boom Combinations of LJ/LJD\LJDB Operating Condition

Assembly of luffing jib in LJ\LJD\LJDB Operating Condition

luffing jib length	boom/jib frame assembly
24m	
30m	
36m	
42m	
48m	
54m	
60m	
66m	
72m	
78m	
84m	
90m	
96m	

Notes: 1.Waist rope I is used in the points marked with ◊ , 4.51m for 66m jibs and 5.33m for 72-96m jibs.
2.Length of luffing jib in LJ operating condition ranges from 24m to 84m; length of luffing jib in LJD/LJDB operating condition ranges from 24m to 96m.

Symbol	Length	Label	Remark	Symbol	Length	Label	Remark
	7.5m	J2622-B 5t	luffing jib tip		6m	J2623-A 2.9t	luffing jib middle section
	12m	J2623-A 4.8t	luffing jib middle section		6m	J2623-B 2.7t	luffing jib middle section
	12m	J2623-A 6.9t	luffing jib middle section		4.5m	J2723-A 3.2t	luffing jib base
	12m	J2623-B 4.8t	luffing jib middle section				

Assembly mode and length of pull plates between jib strut and luffing jib tip in LJ\LJD\LJDB Operating Condition

Length of luffing jib (m)	Assembly of pull plate between jib strut and luffing jib tip	Total length of pull plate (m)
24	$L_{Y2}+L_{J8'}+L_{J1}$	26.5
30	$L_{Y2}+L_{J8'}+L_{J1}+L_{J6}$	32.5
36	$L_{Y2}+L_{J8'}+L_{J1}+L_{J6}\times 2$	38.5
42	$L_{Y2}+L_{J8'}+L_{J1}+L_{J6}+L_{J8}$	44.5
48	$L_{Y2}+L_{J8'}+L_{J1}+L_{J6}\times 2+L_{J8}$	49.25
54	$L_{Y2}+L_{J8'}+L_{J1}+L_{J6}+L_{J8}\times 2$	55.25
60	$L_{Y2}+L_{J8'}+L_{J1}+L_{J6}\times 2+L_{J8}\times 2$	61.25
66	$L_{Y2}+L_{J8'}+L_{J1}+L_{J6}+L_{J8}\times 3$	67.25
72	$L_{Y2}+L_{J8'}+L_{J1}+L_{J6}\times 2+L_{J8}\times 3$	73.25
78	$L_{Y2}+L_{J8'}+L_{J1}+L_{J6}+L_{J8}\times 4$	79.25
84	$L_{Y2}+L_{J8'}+L_{J1}+L_{J6}\times 2+L_{J8}\times 4$	85.25
90	$L_{Y2}+L_{J8'}+L_{J1}+L_{J6}+L_{J8}\times 5$	91.25
96	$L_{Y2}+L_{J8'}+L_{J1}+L_{J6}\times 2+L_{J8}\times 5$	97.25

Boom Combinations of LJ/LJD\LJDB Operating Condition

Notes:

L_{J1}: Pull plate on jib tip, 7.5m

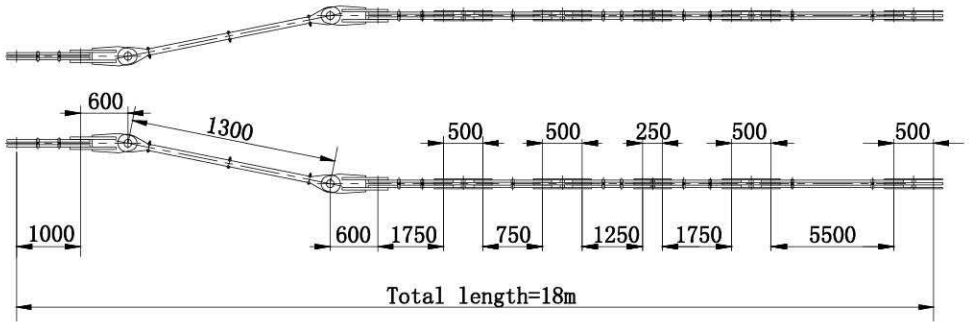
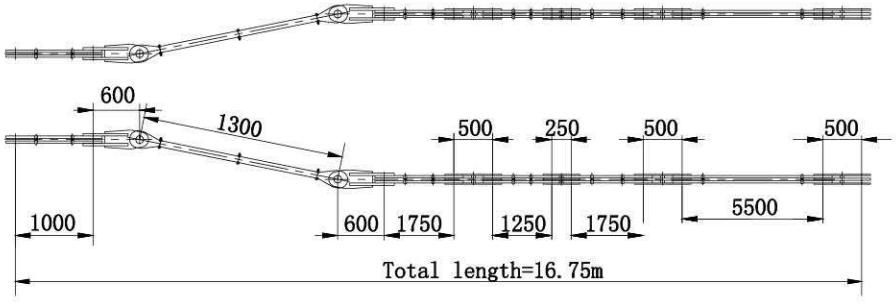
L_{J6}: pull plate on middle section of 6m jib, 6m

L_{J8}: pull plate on middle section of 12m jib, 12m

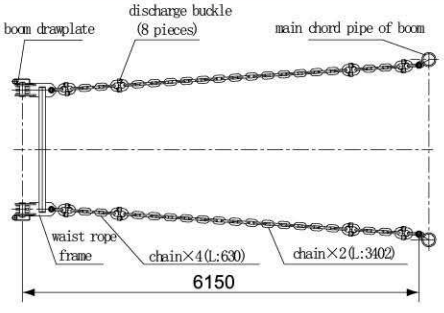
L_{Y2}: pull plate on aux. luffing front mast, 1m

$L_{J8'}$: pull plate on the 12 m middle section for connection of jib base

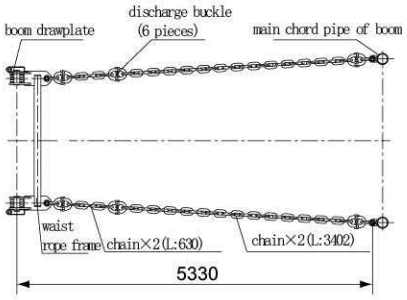
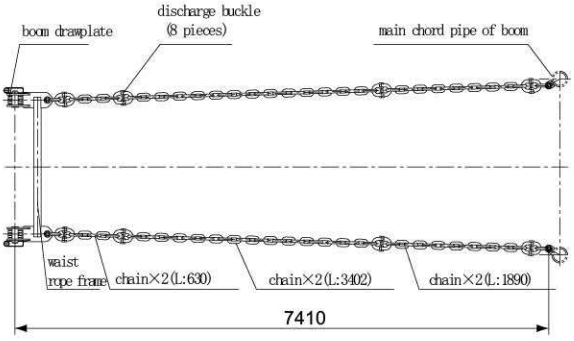
Assembly mode and length of pull plate $L_{J8'}$ on 12m middle section connecting the jib base

Jib length (m)	Assembly mode and length of pull plate $L_{J8'}$ on 12m middle section connecting the jib base
24 ~ 42	
48 ~ 96	

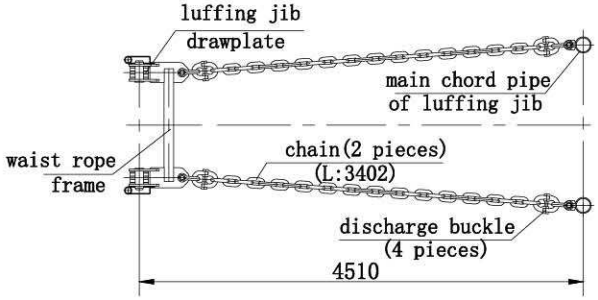
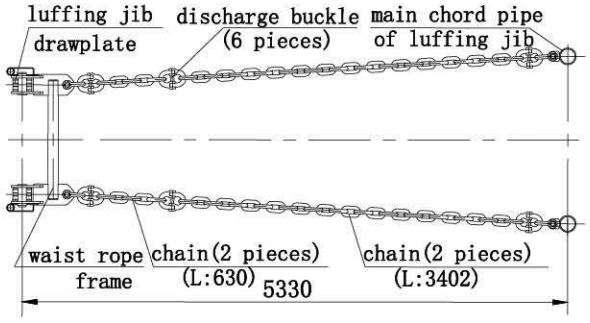
Assembly mode and length of boom waist rope in LJD\LJDB Operating Condition

Boom length(m)	Assembly mode and length of boom waist
78	

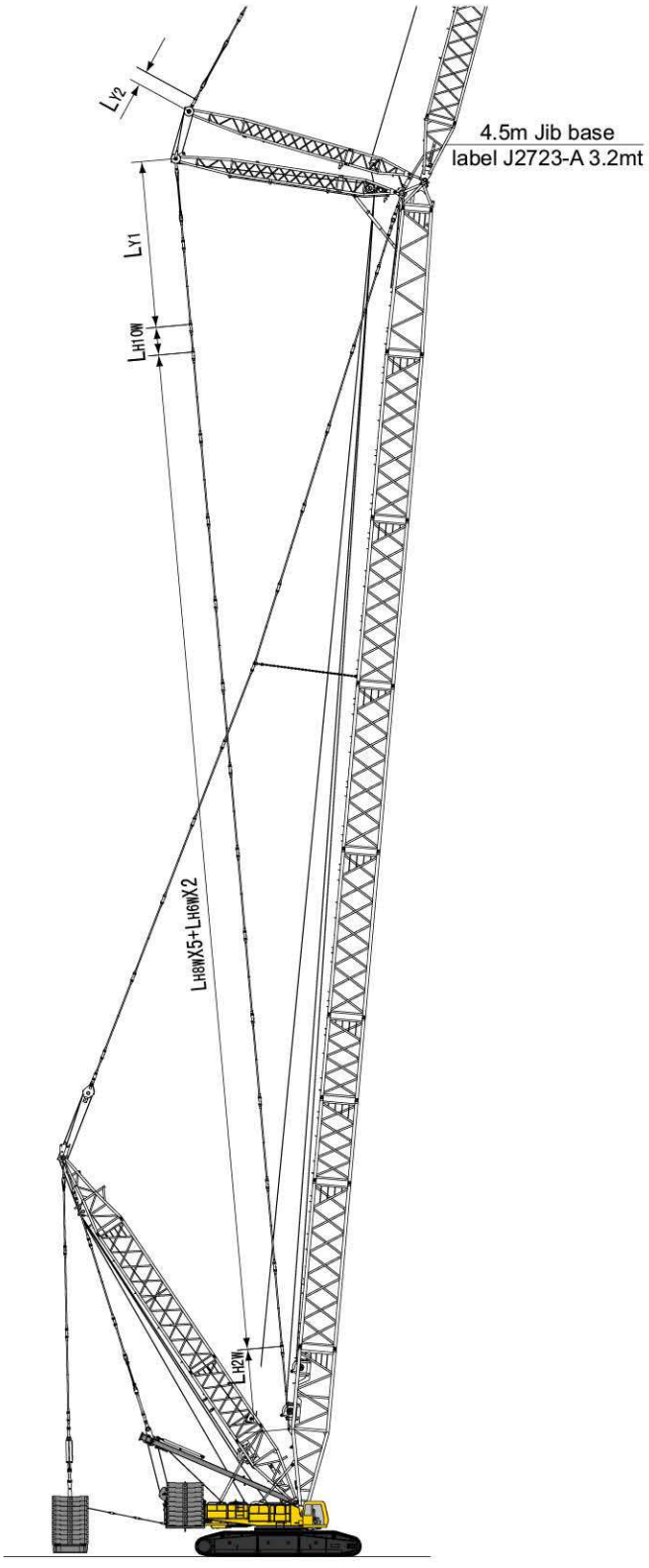
Boom Combinations of LJ/LJD\LJDB Operating Condition

84	
90	
96	
102	
108	

Assembly mode and length of jib waist rope in LJ\LJD\LJDB Operating Condition

Jib length(m)	Assembly mode and length of jib waist
66	
72~96	

Boom Combinations of LJ/LJD\LJDB Operating Condition



Boom Combinations of LJ/LJD\LJDB Operating Condition

Assembly and length of pull plate between boom base and luffing jib main strut in LJ\LJD\LJDB operating condition

Luffing jib length (m)	Assembly of pull plate between jib strut and luffing jib tip	Total length of pull plate (m)
30	L_{Y1}+ L_{H10W} + L_{H6W} + L_{H2W}	27.75
36	L_{Y1}+ L_{H10W} + L_{H6W} ×2+ L_{H2W}	33.75
42	L_{Y1}+ L_{H10W} + L_{H6W}+ L_{H8W} + L_{H2W}	39.75
48	L_{Y1}+ L_{H10W} + L_{H6W} × 2+ L_{H8W} + L_{H2W}	44
54	L_{Y1}+ L_{H10W} + L_{H6W}+ L_{H8W} × 2 + L_{H2W}	50
60	L_{Y1}+ L_{H10W} + L_{H6W} × 2+ L_{H8W} × 2 + L_{H2W}	56
66	L_{Y1}+ L_{H10W} + L_{H6W}+ L_{H8W} × 3 + L_{H2W}	62
72	L_{Y1}+ L_{H10W} + L_{H6W} × 2+ L_{H8W} × 3 + L_{H2W}	68
78	L_{Y1}+ L_{H10W} + L_{H6W}+ L_{H8W} × 4 + L_{H2W}	74
84	L_{Y1}+ L_{H10W} + L_{H6W} × 2+ L_{H8W} × 4 + L_{H2W}	80
90	L_{Y1}+ L_{H10W} + L_{H6W}+ L_{H8W} × 5 + L_{H2W}	86
96	L_{Y1}+ L_{H10W} + L_{H6W} × 2+ L_{H8W} × 5 + L_{H2W}	92
102	L_{Y1}+ L_{H10W} + L_{H6W}+ L_{H8W} × 6 + L_{H2W}	98
108	L_{Y1}+ L_{H10W} + L_{H6W} × 2+ L_{H8W} × 6 + L_{H2W}	104

Notes:

L_{H2W}: outer pull plate on boom base

L_{H10W}: outer pull plate on 10.5m frame, 2m

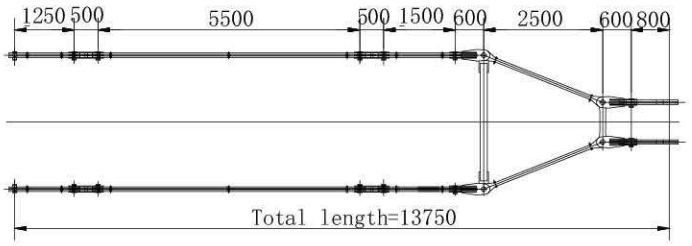
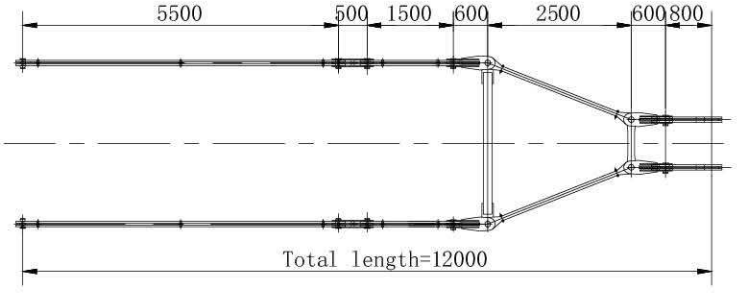
L_{H6W}: outer pull plate on 6m middle section of boom, 6m

L_{H8W}: outer pull plate on 12m middle section of boom, 12m

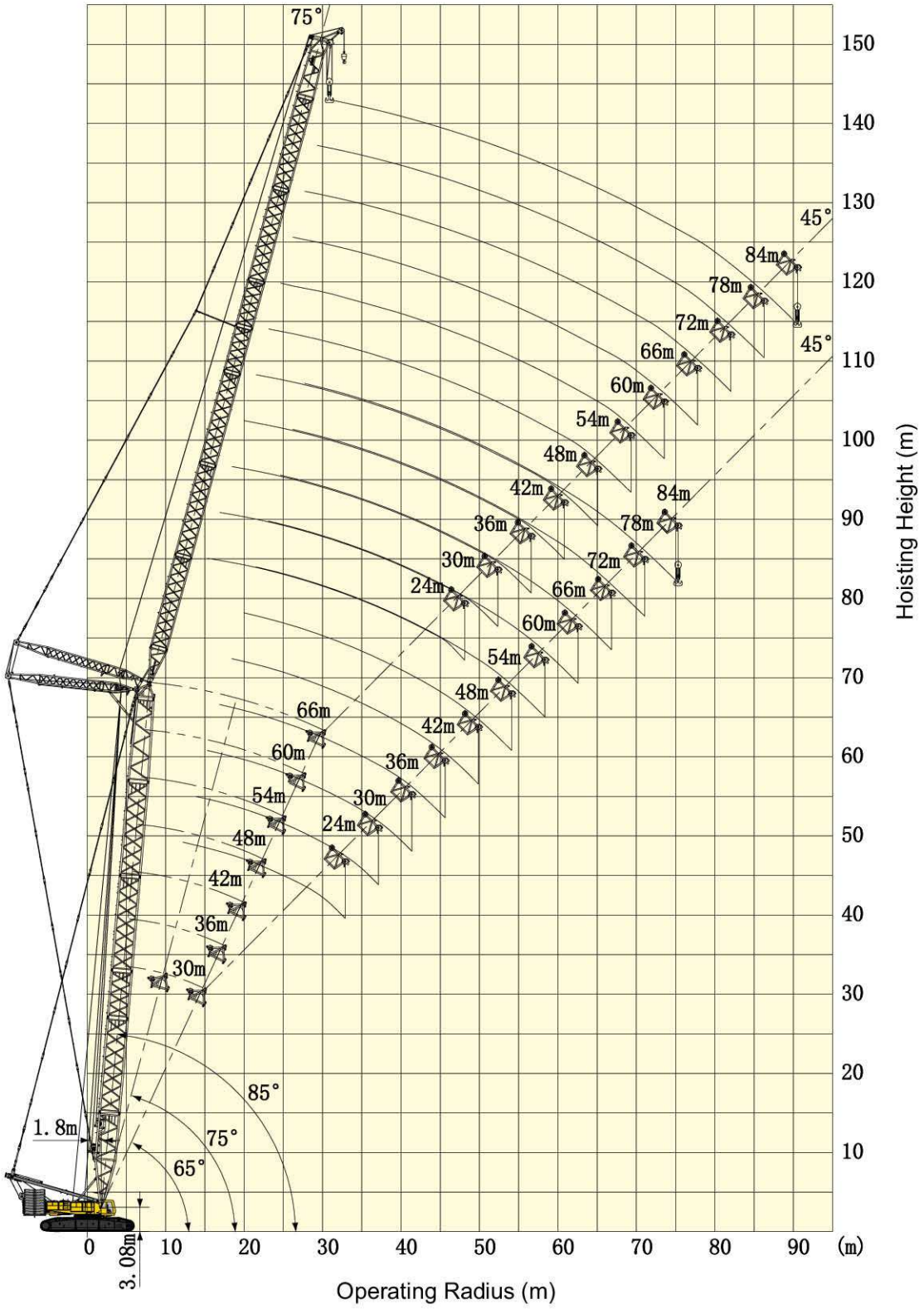
L_{Y1}: pull plate on luffing jib main strut

Boom Combinations of LJ/LJD\LJDB Operating Condition

Assembly mode and length of pull plate L_{Y1} on luffing jib main strut

Boom length (m)	Assembly mode and length of pull plate on luffing jib main strut
30~42	
48~108	

Operating Range Diagram of LJ Operating Condition



Hoisting Height and Operating Range Diagram

Load Charts of LJ Operating Condition

Load Chart of LJ Operating Condition (Hook Block)

 Boom 30m  Counterweight 180mt  Central ballast 80mt Unit: mt

radius (m) \ Jib length(m) / Boom angle	24			30			36			42			48			54		
	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°
14	218.4																	
16	180.6			179.6														
18	152.3			151.2			151.2											
20	132.3			131.3			130.2			129.2								
22	116.6			115.5			114.5			113.4			112.4					
24	103.4	97.1		102.9			101.9			100.8			100.3			97.8		
26	93.5	87.2		92.4	86.1		91.9			90.3			89.8			87.9		
28	84.5	79.3		84.0	78.2		83.0			81.9			81.4			79.0		
30		72.5		76.7	71.4		75.6	70.4		74.6			74.0			72.3		
32		66.7	62.0	70.9	65.6		69.8	64.6		68.8	63.0		68.3			66.6		
34			57.2	65.1	60.4		64.1	59.3		63.0	58.3		62.5	57.2		60.8		
36			53.0		56.2	52.0	59.5	55.1		58.5	53.6		58.0	53.0		56.4		
38			49.6		52.3	48.4	55.1	51.2		54.1	50.1		53.6	49.1		52.0	47.4	
40						45.2		47.9	43.9	50.8	46.6		50.1	45.8		48.6	44.0	
42						42.3		44.8	41.1	47.5	43.6		46.7	42.7		45.1	41.0	
44								42.0	38.4		40.8	37.3	43.9	40.0		42.3	38.3	
46									36.1		38.4	35.0	41.2	37.5	33.9	39.6	35.9	
50									32.2		34.1	31.0	36.6	33.2	29.9	35.0	31.6	28.2
54												27.6		29.6	26.6	31.3	28.1	24.8
56														28.1	25.0		26.5	23.2
58															23.6		25.2	21.8
62																	22.6	19.3
66																		17.3
wind velocity	10m/s																	

radius (m) \ Jib length(m) / Boom angle	60			66			72			78			84		
	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°
26	86.8														
28	78.5			78.0											
30	71.2			70.7			69.0								
34	59.8			59.3			57.7			57.2			56.1		
38	51.4			50.6			48.9			48.7			47.8		
40	47.8	43.2		47.2			45.5			45.3			44.3		
42	44.4	40.1		43.8			42.1			41.9			40.9		
44	41.6	37.4		41.0	36.6		39.3			39.1			38.1		
46	38.9	35.0		38.2	34.2		36.7	32.5		36.4			35.4		
50	34.3	30.8		33.6	30.0		32.1	28.3		31.8	27.8		30.9		
52	32.3	28.9		31.7	28.1		30.2	26.4		29.9	26.0		28.9	24.7	
54	30.5	27.2	23.6	29.8	26.3		28.3	24.6		28.0	24.2		27.1	23.0	
58	27.4	24.1	20.7	26.6	23.2	19.7	25.1	21.4		24.8	21.0		23.7	19.8	
62	24.5	21.4	18.2	23.8	20.5	17.2	22.2	18.7	15.5	21.9	18.3		20.8	17.1	
66		19.1	16.1	21.4	18.2	15.1	19.8	16.5	13.4	19.4	16.0	12.8	18.2	14.8	
68		18.1	15.2		17.2	14.1	18.6	15.5	12.4	18.2	14.9	11.8	17.1	13.8	
70			14.2		16.1	13.2	17.6	14.5	11.5	17.1	14.0	11.0	16.1	12.8	9.7
74					14.5	11.6	15.8	12.8	9.9	15.2	12.3	9.4	14.1	11.0	8.0
78						10.3		11.2	8.5	13.6	10.7	7.9	12.4	9.5	6.7
80								10.6	7.9		10.0	7.3	11.6	8.8	6.0
82									7.3		9.3	6.7	10.9	8.0	5.4
84											8.7	6.1	10.2	7.4	4.8
86												5.6	9.6	6.9	4.3
90												4.6		5.8	
wind velocity	10m/s														

Notes: 1. The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

2. In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1mt as the equivalent weight of the extension jib.

Load Charts of LJ Operating Condition

Load Chart of LJ Operating Condition (Hook Block)

 Boom 36m  Counterweight 180mt  Central ballast 80mt Unit: mt

radius (m)	Jib length(m)	24			30			36			42			48			54		
	Boom angle	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°
16		178.5																	
18		151.2			150.2			150.2											
20		131.3			130.2			129.2			128.1								
22		115.5			114.5			113.4			112.4			111.3					
24		102.9			101.9			101.3			100.3			99.2			97.2		
26		92.4	85.1		91.9			90.8			89.8			89.3			86.8		
28		84.0	77.2		83.0	76.1		82.4			81.4			80.3			78.5		
30			70.4		76.1	69.3		75.1	68.3		74.0			73.5			71.2		
34			59.9	54.6	64.1	58.8		63.5	57.2		62.5	56.2		62.0			59.8		
36				50.6		54.1		59.0	53.0		58.0	52.2		57.4	51.2		55.6		
38				47.0		50.6	45.8	54.6	49.6		53.6	48.4		53.0	47.5		51.5		
40						47.3	42.6		46.2		50.3	45.0		49.7	44.1		48.0	42.3	
42							39.9		43.3	38.5	47.0	42.1		46.3	41.2		44.6	39.4	
46							35.2		38.2	33.9	41.5	37.0	32.7	40.7	36.0		39.1	34.4	
50										30.0		32.9	28.8	36.1	31.9	27.5	34.6	30.3	
52												31.0	27.0		30.0	25.8	32.8	28.5	
54													25.4		28.5	24.3	30.9	26.8	22.4
58													22.7		25.5	21.4	27.8	23.8	19.6
62																19.1		21.2	17.3
64																		20.1	16.2
66																			15.3
70																			13.6
wind velocity		10m/s																	

radius (m)	Jib length(m)	60			66			72			78			84		
	Boom angle	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°
26		86.3														
28		78.0			77.0											
30		70.7			70.2			68.0								
34		59.3			58.8			56.7			56.7			55.6		
38		50.8			50.0			48.4			48.1			47.2		
42		43.9	38.6		43.3			41.6			41.4			40.4		
44		41.1	36.0		40.5	35.0		38.8			38.6			37.6		
46		38.4	33.6		37.8	32.8		36.2			35.8			34.9		
48		36.1	31.4		35.5	30.6		33.9	28.7		33.6			32.7		
50		33.9	29.4		33.2	28.5		31.6	26.7		31.4	26.2		30.4		
54		30.1	25.8		29.3	24.9		27.9	23.1		27.6	22.7		26.7	21.4	
58		26.9	22.8	18.5	26.2	21.7		24.7	20.1		24.3	19.6		23.3	18.3	
62		24.2	20.1	16.1	23.4	19.1	15.1	21.8	17.4		21.4	17.0		20.3	15.8	
66			17.9	14.1	21.0	16.8	13.0	19.4	15.2	11.3	19.0	14.7		17.8	13.5	
70			16.0	12.4		15.0	11.3	17.2	13.3	9.6	16.7	12.8	9.1	15.6	11.5	
74				10.9		13.3	9.8	15.3	11.5	8.0	14.8	11.0	7.5	13.7	9.8	6.2
78							8.5		10.1	6.8	13.2	9.6	6.2	11.9	8.3	4.8
80									9.5	6.2		8.9	5.6	11.2	7.6	4.2
82										5.6		8.2	4.9	10.5	7.0	
84										5.2		7.6	4.4	9.8	6.4	
86										4.6		7.1		9.2	5.8	
90															4.7	
92															4.3	
wind velocity		10m/s														

Notes: 1. The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

2. In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1mt as the equivalent weight of the extension jib.

Load Charts of LJ Operating Condition

Load Chart of LJ Operating Condition (Hook Block)

 Boom 42m  Counterweight 180mt  Central ballast 80mt Unit: mt

radius (m) \ Boom angle	24			30			36			42			48			54		
	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°
16	177.5																	
18	150.2			149.1														
20	130.2			129.2			128.1											
22	114.5			113.4			112.4			111.3								
24	101.9			101.3			100.3			99.2			98.2			96.2		
26	91.9	82.4		90.8			90.3			88.7			88.2			86.3		
28	83.0	74.6		82.4			81.4			80.3			79.8			77.5		
30		68.3		75.1	67.2		74.6			73.5			72.5			70.7		
32		62.5		69.3	61.4		68.8	60.4		67.7			66.7			65.0		
34		57.8		63.5	56.7		63.0	55.1		62.0			60.9			59.3		
36		53.6			52.5		58.5	51.5		57.4	50.2		56.7			55.0		
38			44.2		48.9		54.1	47.8		53.0	46.5		52.5	45.6		50.9		
40			41.3		45.6			44.5		49.7	43.3		49.0	42.3		47.4	40.6	
42			38.6		42.6	37.3		41.6		46.4	40.4		45.7	39.5		44.1	37.8	
46						32.8		36.6	31.3	41.0	35.4		40.2	34.5		38.6	32.9	
48								34.5	29.3		33.3		37.9	32.3		36.3	30.8	
50									27.5		31.4	26.0	35.7	30.5		34.1	28.7	
54									24.4		28.0	22.9		27.0	21.6	30.4	25.3	
58												20.3		24.0	19.0	27.2	22.3	17.2
60														22.8	17.9		21.2	16.0
62															16.8		19.8	15.0
64															15.9		18.6	14.0
66															14.9			13.1
70																		11.5
wind velocity	10m/s																	

radius (m) \ Jib length (m) / Boom angle	60			66			72			78			84		
	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°
26	85.3														
28	77.0			76.4											
30	69.7			69.2			67.5								
34	58.8			57.7			56.1			55.6			54.5		
38	50.1			49.4			47.8			47.5			46.5		
42	43.4			42.6			41.0			40.8			39.7		
44	40.6	34.3		39.8			38.3			38.0			37.0		
46	37.9	31.9		37.1	30.9		35.6			35.3			34.4		
50	33.4	27.8		32.7	26.7		31.1	24.8		30.9			29.8		
52	31.5	25.9		30.8	24.9		29.3	23.1		28.9	22.7		27.9		
54	29.6	24.2		28.9	23.2		27.4	21.4		27.1	21.0		26.0	19.6	
58	26.4	21.2		25.7	20.3		24.2	18.5		23.8	18.0		22.6	16.7	
62	23.7	18.7	13.8	23.0	17.7	12.8	21.3	16.0		20.9	15.6		19.7	14.3	
66		16.5	12.0	20.5	15.5	10.9	18.8	13.8	9.1	18.4	13.4		17.3	12.1	
70		14.7	10.3	18.4	13.6	9.3	16.7	11.9	7.5	16.3	11.4	6.9	15.1	10.1	
74			8.9		12.1	7.8	14.8	10.3	6.1	14.3	9.8	5.6	13.1	8.5	
76			8.3		11.3	7.2		9.6	5.5	13.5	9.1	4.8	12.3	7.8	
78			7.7			6.6		9.0	4.8	12.7	8.3	4.3	11.5	7.1	
80						6.0		8.2	4.3		7.7		10.8	6.4	
82						5.5		7.7			7.1		10.0	5.8	
86											6.0		8.7	4.7	
88											5.5			4.2	
wind velocity	10m/s														

Notes: 1. The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

2. In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1mt as the equivalent weight of the extension jib.

Load Charts of LJ Operating Condition

Load Chart of LJ Operating Condition (Hook Block)

 Boom 48m  Counterweight 180mt  Central ballast 80mt Unit: mt

radius (m)	Jib length(m)	24			30			36			42			48			54		
	Boom angle	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°
16		176.4																	
18		149.1			148.1														
20		129.2			128.1			127.1											
22		113.4			112.4			111.3			110.3								
24		101.3			100.3			99.2			98.2			97.1					
26		90.8			89.8			89.3			88.2			87.2			85.3		
28		82.4	71.9		81.4			80.9			79.8			78.8			77.0		
30		75.1	65.6		74.6			73.5			72.5			71.9			69.7		
32			60.4		68.8	59.3		67.9			66.7			66.2			64.2		
34			55.7		63.0	54.6		62.5	53.0		60.9			60.4			58.8		
36			51.8			50.5		58.0	49.4		56.7	48.1		56.1			54.5		
38			48.1			46.9		53.6	45.8		52.5	44.5		51.9			50.2		
40						43.8			42.6		49.1	41.4		48.4	40.4		46.8		
42				35.8		41.0			39.8		45.9	38.5		45.0	37.6		43.5	35.9	
44				33.5		38.3	31.9		37.3		43.2	36.0		42.3	35.1		40.8	33.3	
46				31.4			29.8		35.0		40.4	33.8		39.6	32.9		38.1	31.0	
48							27.9		33.0	26.3		31.7		37.3	30.8		35.8	28.8	
50							26.3		31.1	24.6		29.8	23.1	35.1	28.8		33.6	26.9	
54										21.6		26.5	20.2		25.3	18.9	29.8	23.5	
58													17.7		22.5	16.5	26.8	20.7	14.7
60													16.7		21.2	15.4		19.4	13.5
62													15.8			14.4		18.2	12.6
66																12.6		16.2	10.8
70																			9.4
74																			8.1
wind velocity		10m/s																	

radius (m)	Jib length(m)	60			66			72			78			84		
	Boom angle	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°
28		75.9														
30		69.2			68.1											
34		57.7			57.2			55.1			55.1			54.1		
38		49.5			48.8			47.2			46.9			45.8		
42		42.7			42.0			40.4			40.2			39.1		
46		37.3	30.0		36.6			35.0			34.8			33.8		
48		35.0	27.8		34.3	26.7		32.8			32.5			31.5		
50		32.9	25.9		32.1	24.9		30.6	23.0		30.4			29.4		
54		29.1	22.5		28.4	21.4		26.9	19.7		26.6	19.2		25.4		
56		27.6	21.0		26.8	20.0		25.2	18.2		24.9	17.7		23.8	16.5	
58		26.0	19.7		25.3	18.6		23.6	16.9		23.3	16.4		22.1	15.1	
62		23.3	17.2	11.4	22.4	16.2		20.8	14.4		20.4	14.0		19.3	12.7	
66			15.1	9.7	20.0	14.0	8.5	18.3	12.4		17.9	11.9		16.8	10.6	
70			13.3	8.1	17.9	12.3	7.1	16.2	10.6		15.8	10.1		14.6	8.9	
72			12.5	7.5		11.4	6.3	15.2	9.8		14.8	9.3		13.7	8.0	
74				6.9		10.7	5.7	14.4	9.0		13.9	8.5		12.8	7.2	
78				5.7		9.4	4.6		7.6		12.3	7.1		11.1	5.9	
82									6.5		10.8	5.9		9.6	4.6	
84									6.0			5.4		9.0		
86												4.8		8.3		
88												4.3				
wind velocity		10m/s														

Notes: 1. The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

2. In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1mt as the equivalent weight of the extension jib.

Load Charts of LJ Operating Condition

Load Chart of LJ Operating Condition (Hook Block)

 Boom 54m  Counterweight 180mt  Central ballast 80mt Unit: mt

radius (m) \ Jib length(m)	24			30			36			42			48			54		
Boom angle	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°
16	174.3																	
18	148.1			147.0														
20	128.1			127.1			126.0											
22	112.4			111.3			110.3			109.2								
24	100.3			99.2			98.2			97.1			96.1					
26	89.8			89.3			88.2			87.2			86.1			84.2		
28	81.4			80.9			79.8			78.8			77.7			75.9		
30	74.6	63.5		73.5			73.0			71.4			70.9			69.2		
32		58.3		67.9	56.7		67.2			65.8			65.1			63.4		
34		53.6		62.5	52.4		61.4			60.4			59.3			57.7		
36		49.7			48.5		57.2	47.1		56.2			55.2			53.6		
38		46.2			13.5		53.0	43.8		52.0	42.5		51.2			49.5		
40		43.1			41.9		49.7	40.6		48.5	39.5		47.8			46.2		
42			32.6		39.2		46.3	38.0		45.2	36.8		44.4	35.7		42.8		
44			30.3		36.6			35.5		42.4	34.3		41.7	33.2		40.1	31.2	
46			28.4			26.8		33.3		39.8	32.0		39.1	30.9		37.4	28.9	
50						23.4		29.5	21.6		28.0		34.5	26.9		33.1	25.1	
54						20.7			19.0		24.8	17.4		23.6		29.3	21.7	
56									17.7		23.3	16.3		22.2		27.8	20.4	
58									16.7			15.2		20.8	14.0	26.3	19.0	
62												13.2		18.5	12.0		16.7	10.2
66												11.7			10.4		14.8	8.5
68															9.7		13.8	7.8
70															8.9			7.2
74																		5.9
wind velocity	10m/s																	

radius (m) \ Jib length(m)	60.0			66.0			72.0			78.0			84.0		
Boom angle	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°
28	75.4														
30	68.1			67.6											
34	57.2			56.2			54.6			54.1					
38	48.8			48.0			46.4			46.1			45.1		
42	42.1			41.4			39.8			39.6			38.5		
46	36.7	27.9		36.0			34.4			34.2			33.2		
50	32.3	24.0		31.6	22.9		30.1			29.8			28.7		
52	30.5	22.3		29.7	21.2		28.1	19.4		27.8			26.8		
54	28.6	20.8		27.9	19.7		26.3	17.8		26.0			24.8		
56	37.4	19.3		26.2	18.3		24.6	16.5		24.3	16.0		23.2		
58	25.5	18.0		24.6	17.0		23.0	15.1		22.7	14.7		21.5	13.4	
62	22.8	15.7		21.8	14.7		20.2	12.9		19.9	12.5		18.7	11.1	
66		13.6	7.4	19.4	12.6		17.7	10.9		17.4	10.4		16.3	9.2	
70		12.0	5.9	17.4	10.8		15.7	9.2		15.2	8.7		14.1	7.4	
74		10.4	4.8		9.4		13.9	7.6		13.4	7.2		12.3	5.9	
76			4.2		8.6			7.0		12.6	6.5		11.4	5.2	
78					8.1			6.4		11.7	5.9		10.6	4.5	
80					7.5			5.8		11.0	5.3		9.9		
82								5.3		10.4	4.6		9.2		
84								4.7			4.1		8.5		
86.0								4.2					7.9		
wind velocity	10m/s														

Notes: 1. The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

2. In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1mt as the equivalent weight of the extension jib.

Load Charts of LJ Operating Condition

Load Chart of LJ Operating Condition (Hook Block)

 Boom 60m  Counterweight 180mt  Central ballast 80mt Unit: mt

radius (m) \ Jib length(m)	24			30			36			42			48			54		
Boom angle	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°
18	146.0																	
20	126.0			125.0			123.9											
22	111.3			110.3			109.2			108.2								
24	99.2			98.2			97.1			96.1			95.0					
26	88.7			88.2			87.2			86.1			85.1			83.2		
28	80.3			79.8			78.8			77.7			76.7			74.9		
30	73.5			72.5			71.9			70.4			69.8			68.1		
32		55.7		66.9			66.4			65.1			64.3			62.4		
34		51.2		61.4	50.0		60.9			59.3			58.8			56.7		
38		44.0			42.7		52.3	41.5		51.1			50.4			48.8		
40		41.0			39.8		48.9	38.5		47.8	37.1		47.0			45.4		
42					37.2		45.7	35.8		44.5	34.4		43.8	33.2		42.1		
46			25.0		32.7			31.2		39.2	29.7		38.3	28.7		36.8	26.6	
50			21.8			20.2		27.4			25.9		33.9	24.9		32.4	23.0	
52						18.8		25.7			24.4		32.1	23.2		30.6	21.3	
54						17.6			15.9		22.8		30.3	21.6		28.8	19.9	
58									13.9		20.2			19.0		25.7	17.3	
62									13.9			12.3		16.8	9.2		15.0	
64												10.6		15.9	8.5		14.0	
66												9.8			7.8		13.1	5.9
70												9.1			6.5		11.5	4.7
74															5.5			
wind velocity	10m/s																	

radius (m) \ Jib length(m)	60			66			72			78			84		
Boom angle	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°
28	74.4														
30	67.1			66.6											
34	56.2			55.6			53.6			51.5					
38	48.0			47.3			45.5			45.3			44.3		
42	41.4			40.7			39.0			38.8			37.8		
46	36.1			35.4			33.8			33.6			32.5		
48	33.9	23.6		33.2			31.6			31.3			30.3		
50	31.7	21.9		31.0			29.5			29.1			28.0		
52	29.8	20.3		29.1	19.1		27.5			27.2			26.1		
54	28.1	18.8		27.2	17.7		25.6	15.9		25.3			24.2		
56	26.5	17.5		25.6	16.3		24.0	14.5		23.7	14.1		22.6		
58	25.0	16.2		24.0	15.1		22.4	13.3		22.0	12.9		20.9		
60	23.5	15.0		22.6	13.9		20.9	12.2		20.6	11.7		19.5	10.4	
62	22.2	13.9		21.2	12.9		19.6	11.1		19.3	10.7		18.1	9.4	
66		12.1		18.8	10.9		17.2	9.3		16.9	8.8		15.7	7.4	
70		10.4		16.7	9.4		15.1	7.6		14.7	7.1		13.6	5.8	
74		8.9			7.9		13.3	6.2		12.9	5.7		11.7	4.4	
76		8.3			7.2			5.6		12.1	5.0		10.9		
78					6.7			4.9		11.3	4.4		10.1		
80					6.0			4.3		10.6			9.4		
82					5.6					9.9			8.7		
86													7.4		
wind velocity	10m/s														

Notes: 1. The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

2. In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1mt as the equivalent weight of the extension jib.

Load Charts of LJ Operating Condition

Load Chart of LJ Operating Condition (Hook Block)

 Boom 66m  Counterweight 180t  Central ballast 80t Unit: t

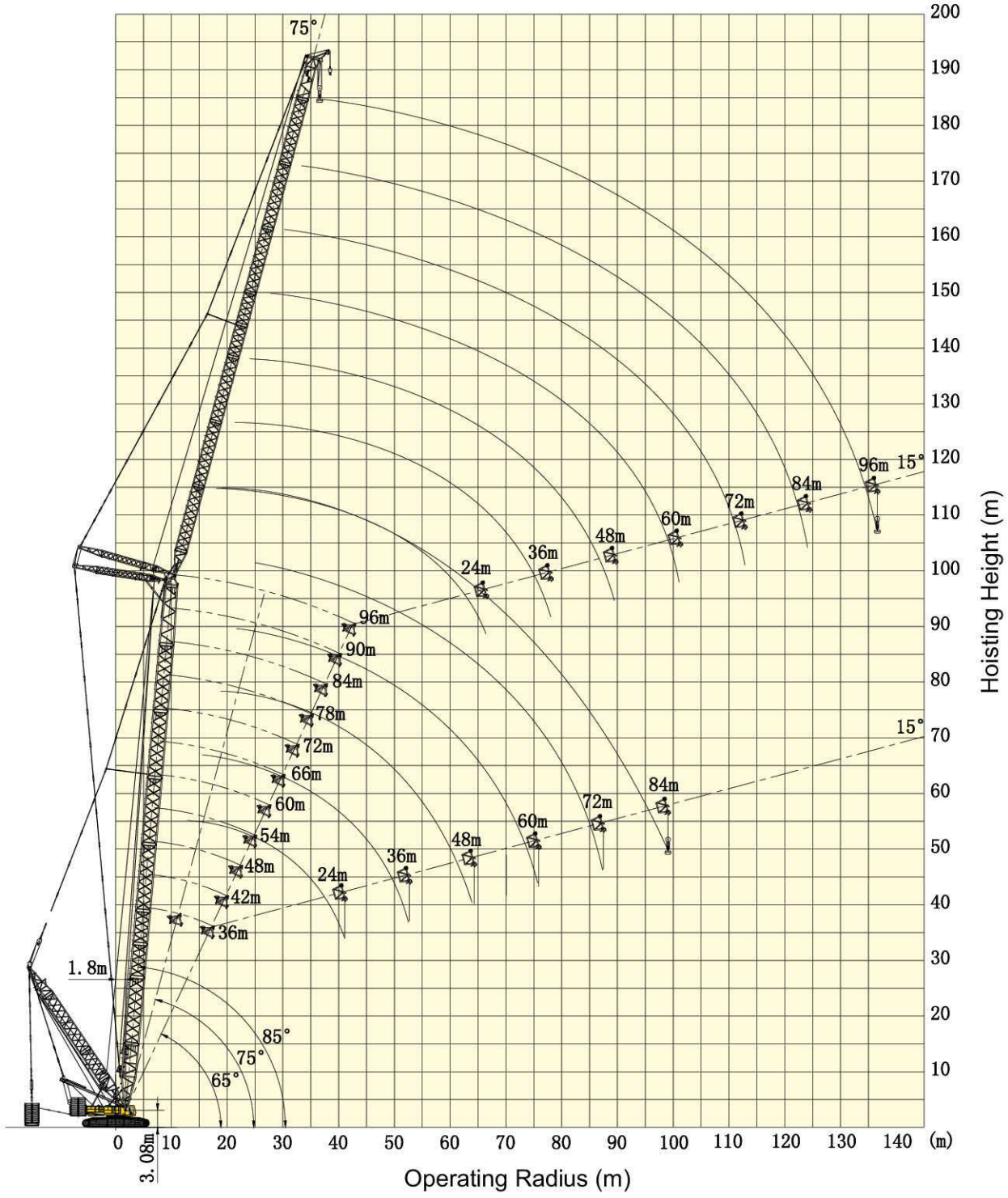
radius (m)	Jib length(m) / Boom angle	24			30			36			42			48			54		
		85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°
18		142.8																	
20		125.0			123.9														
22		110.3			109.2			108.2											
24		97.7			96.6			96.1			94.5								
26		87.7			87.2			86.1			85.1			84.0					
28		79.8			78.8			77.7			76.7			75.6			73.8		
30		72.5			71.9			70.9			69.8			68.8			67.1		
32			53.0		66.2			65.3			64.3			63.2			61.6		
34			48.8		60.4			59.9			58.8			57.8			56.2		
36			45.2			43.8		55.7			54.6			53.7			52.0		
38			41.9			40.6		51.6	39.0		50.4			49.7			47.9		
42			36.4			35.0		44.9	33.5		43.8	32.0		43.1			41.4		
44						32.7			31.2		41.1	29.7		40.3	28.5		38.7		
46						30.5			29.0		38.4	27.6		37.7	26.5		36.1		
48						28.6			27.1			25.6		35.5	24.6		33.9	22.6	
50				18.8			17.0		25.4			23.9		33.4	22.8		31.8	20.9	
54				16.4			14.7		22.4	12.9		20.9		29.7	19.8		28.2	17.9	
58							12.8			11.0		18.4	9.6		17.2		25.2	15.4	
60										10.2		17.3	8.7		16.2			14.4	
62										9.5			8.0		15.1	6.6		13.3	
66													6.6		13.3	5.3		11.5	
68													6.0			4.7		10.7	
70													5.5					10.0	
72																		9.4	
wind velocity		10m/s																	

radius (m)	Jib length(m) / Boom angle	60			66			72			78			84		
		85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°
28		68.6														
30		66.0			60.3											
34		55.1			54.6			52.5			45.3					
38		47.3			46.5			44.8			44.5			40.2		
42		40.8			39.9			38.3			38.1			37.1		
46		35.5			34.6			33.1			32.9			31.8		
50		31.1	19.9		30.4			28.7			28.4			27.3		
52		29.2	18.3		28.5	17.2		26.8			26.5			25.3		
54		27.5	16.8		26.6	15.8		24.9			24.6			23.5		
56		25.9	15.6		25.0	14.5		23.3	12.7		23.0			21.8		
58		24.3	14.4		23.4	13.3		21.7	11.4		21.4	11.0		20.3		
62		21.5	12.3		20.6	11.2		19.0	9.4		18.6	9.0		17.5	7.6	
66		19.2	10.4		18.2	9.4		16.6	7.6		16.3	7.2		15.1	5.8	
70			8.8		16.2	7.8		14.5	6.1		14.2	5.6		13.0	4.2	
74			7.5			6.4		12.8	4.7		12.4	4.2		11.2		
76			6.9			5.8		11.9			11.5			10.4		
78						5.2		11.2			10.8			9.6		
82						4.3					9.4			8.1		
86														6.9		
wind velocity		10m/s														

Notes: 1. The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

2. In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1mt as the equivalent weight of the extension jib.

Operating Range of LJD\LJDB Operating Condition



Hoisting Height and Operating Range Diagram

Load Charts of LJD\LJDB Operating Condition

Load Chart of LJD/LJDB Operating Condition (Hook Block)

LJD: Counterweight 180mt | Central ballast 80mt | LJDB: Counterweight 160mt

Superlift counterweight 0 ~ 262mt | Superlift radius 11m ~ 15m | Unit: mt

Boom36m + Jib 24m

radius (m)	State / Boom	LJD	LJDB			
		85°	85°	75°	65°	55°
16		192.2	315.0			
18		162.8	315.0			
20		141.8	315.0			
22		123.9	302.4			
24		110.3	260.4			
26		99.8	224.7	255.2		
28		90.3	191.1	239.4		
30				224.7		
34				194.9	183.8	
38					166.2	
40					156.1	
42						141.8
46						128.7
wind velocity		9m/s				

Boom 36m + Jib 36m

radius (m)	State / Boom	LJD	LJDB			
		85°	85°	75°	65°	55°
18		161.7	269.9			
20		139.7	269.9			
22		122.9	265.7			
24		109.2	251.0			
26		98.2	237.3			
28		89.3	218.4			
30		81.4	196.4	209.0		
34		68.8	159.6	192.2		
38		59.3	129.2	173.3		
42				153.3	145.5	
46				123.9	130.5	
50					118.0	
52					112.4	109.4
54						104.5
58						95.7
wind velocity		9m/s				

Boom 36m + Jib 48m

radius (m)	State / Boom	LJD	LJDB			
		85°	85°	75°	65°	55°
22		120.8	196.4			
24		107.1	196.4			
26		96.6	196.4			
28		87.2	189.0			
30		79.3	180.6			
34		67.2	163.8			
36		62.5	153.3	160.7		
38		57.8	142.8	160.7		
42		50.4	121.8	141.8		
46		44.5	104.5	126.0		
50		39.6	88.2	114.5	116.2	
54				102.4	105.8	
58				86.1	96.9	
60					92.9	90.1
62					89.2	86.5
64					85.6	83.1
66						80.0
68						77.0

Boom 36m + Jib 60m

radius (m)	State / Boom	LJD	LJDB			
		85°	85°	75°	65°	55°
26		93.6	139.4			
28		84.8	139.4			
30		77.0	139.4			
34		64.5	133.1			
38		55.1	123.8			
42		48.2	114.4	121.7		
46		42.2	104.0	116.5		
50		37.3	93.6	106.1		
54		33.3	81.6	99.8		
56		31.5	76.4	96.7	90.0	
58		29.8	71.2	92.0	90.0	
62		26.9	60.8	81.1	83.2	
66				70.7	76.4	
70				60.3	71.2	71.2
74					66.0	67.3
76					63.4	65.0
78						62.8
80						60.7
wind velocity		9m/s				

Boom36m +Jib 72m

radius (m)	State / Boom	LJD	LJDB			
		85°	85°	75°	65°	55°
30		74.2	98.9			
34		62.3	98.9			
38		53.0	96.8			
42		45.7	93.7			
46		39.9	89.6			
48		37.7	87.6	89.6		
50		35.0	85.5	88.6		
54		31.0	81.4	86.5		
58		27.6	74.2	83.4		
62		24.6	65.9	80.3		
64		23.3	62.0	77.8	69.0	
66		21.9	58.2	73.6	68.5	
70		19.7	51.3	65.9	65.9	
74		17.7	44.1	58.7	62.3	
78				51.5	59.2	59.2
80				48.2	57.7	57.2
82					55.6	55.6
86					51.3	51.5
90						48.5
92						47.0
wind velocity		9m/s				

Notes: 1.The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

2. In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1mt as the equivalent weight of the extension jib.

Load Charts of LJD\LJDB Operating Condition

Load Chart of LJD/LJDB Operating Condition (Hook Block)

 LJD: Counterweight 180mt  Central ballast 80mt  LJDB: Counterweight 160mt

 Superlift counterweight 0 ~ 262mt  Superlift radius 11m ~ 15m Unit: mt

Boom36m + Jib84m

radius	State	LJD	LJDB			
(m)	Boom	85°	85°	75°	65°	55°
34		60.8	71.1			
38		51.5	71.1			
42		44.6	70.0			
46		38.7	70.0			
50		33.9	69.0			
54		29.8	68.0	64.9		
58		26.3	67.0	64.9		
62		23.2	64.9	63.9		
66		20.5	60.8	62.8		
70		18.1	54.6	61.8		
72		17.0	51.7	60.8	51.5	
74		16.0	48.8	60.3	51.5	
78		14.2	43.5	54.6	51.4	
82		12.6	38.3	49.2	49.9	
86		11.2	32.9	44.1	48.1	
88				41.5	47.2	45.4
90				39.0	46.0	45.7
92				36.4	44.9	45.0
94					43.8	43.6
98					39.0	40.7
102						38.2
104						37.0
wind velocity		9m/s				

Boom48m + Jib36m

radius	State	LJD	LJDB			
(m)	Boom	85°	85°	75°	65°	55°
20		137.6	234.2			
22		120.8	230.0			
24		107.1	222.6			
26		96.6	213.2			
28		87.7	203.7			
30		79.8	194.3			
34		67.7	167.0	190.3		
38		58.3	135.5	166.4		
42				147.6		
46				132.2		
48				125.6	120.3	
50				114.5	114.6	
54					104.4	
56					99.8	
58						91.7
62						84.5
64						81.2
wind velocity		9m/s				

Boom48m +Jib24m

radius	State	LJD	LJDB			
(m)	Boom	85°	85°	75°	65°	55°
16		190.1	311.9			
18		160.7	311.9			
20		139.7	307.7			
22		121.8	294.0			
24		109.2	278.3			
26		98.2	240.5			
28		89.3	205.8	242.6		
30		81.4	170.1	223.5		
34				192.0		
38				167.5		
40					151.9	
42					143.3	
46					128.2	
50						
wind velocity		9m/s				

Boom48m + Jib48m

radius	State	LJD	LJDB			
(m)	Boom	85°	85°	75°	65°	55°
24		105.0	170.1			
26		94.5	170.1			
29		85.6	168.0			
30		77.7	164.9			
34		65.6	156.5			
38		56.2	142.8			
40		52.7	134.4	147.0		
42		49.2	126.0	147.0		
46		43.4	107.1	133.4		
50		38.5	90.8	120.8		
54				110.3	102.9	
58				97.7	94.3	
60				89.3	90.4	
62					86.9	
66					80.3	
68					77.3	73.9
70						71.3
74						66.4
76						64.1
wind velocity		9m/s				

Notes: 1.The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

2. In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1mt as the equivalent weight of the extension jib.

Load Charts of LJD\LJDB Operating Condition

Load Chart of LJD/LJDB Operating Condition (Hook Block)

 LJD: Counterweight 180mt  Central ballast 80mt  LJDB: Counterweight 160mt

 Superlift counterweight 0 ~ 262mt  Superlift radius 11m ~ 15m Unit: mt

Boom 48m + Jib 60m

radius (m)	State / Boom	LJD 85°	LJDB 85°	LJDB 75°	LJDB 65°	LJDB 55°
28		82.7	124.8			
30		75.4	124.8			
34		63.4	121.7			
38		54.1	116.5			
42		46.9	110.2			
46		41.1	101.9	114.4		
50		36.3	94.6	109.2		
54		32.2	83.7	98.8		
58		28.9	72.8	90.5		
62		26.0	62.4	83.2	84.8	
66				77.0	78.8	
70				67.6	73.1	
72				62.4	70.5	
74					68.0	
76					65.7	62.4
78					63.5	60.3
80					61.3	58.2
82						56.7
86						53.0
88						51.4
wind velocity		9m/s				

Boom 48m + Jib 84m

radius (m)	State / Boom	LJD 85°	LJDB 85°	LJDB 75°	LJDB 65°	LJDB 55°
34		59.2	65.9			
38		50.5	65.9			
42		43.4	64.9			
46		37.6	63.9			
50		32.9	62.8			
54		28.8	61.8			
56		27.0	61.8	59.7		
58		25.2	61.8	59.7		
62		22.1	60.8	59.7		
66		19.5	59.7	59.7		
70		17.1	55.1	59.7		
74		15.1	49.4	59.7		
76		14.2	46.7	59.7	47.7	
78		13.3	44.0	58.2	47.7	
82		11.7	38.7	52.5	47.7	
86		10.4	33.4	47.3	47.3	
90				42.1	46.5	
94				37.0	45.2	41.6
96				34.3	44.3	41.4
98				0.0	43.3	40.2
102					39.7	37.8
104					37.1	36.5
106						35.5
110						33.4
wind velocity		9m/s				

Boom 48m + Jib 72m

radius (m)	State / Boom	LJD 85°	LJDB 85°	LJDB 75°	LJDB 65°	LJDB 55°
34		60.8	89.6			
38		51.5	88.6			
42		44.6	85.5			
46		38.8	82.4			
50		34.0	79.3	81.4		
54		30.1	76.2	81.4		
58		26.7	73.1	80.3		
62		23.6	67.0	79.3		
66		21.0	59.2	74.2		
70		18.7	52.0	69.0	63.9	
74		16.7	44.9	63.3	63.3	
78				56.1	60.8	
82				49.2	57.2	
84				45.5	55.1	
86					53.6	50.4
90					50.7	47.4
92					48.8	45.9
94						44.7
98						42.2
100						41.2
wind velocity		9m/s				

Boom 60m + Jib 24m

radius (m)	State / Boom	LJD 85°	LJDB 85°	LJDB 75°	LJDB 65°	LJDB 55°
17						
18		157.5	259.4			
20		136.5	249.9			
22		119.7	239.4			
24		107.1	228.9			
26		96.1	216.3			
28		87.2	202.7			
30		79.8	191.1			
31						
32				203.2		
34				188.8		
38				165.1		
40				155.1		
42						
44					131.2	
46					124.4	
50					112.5	
54						
56						93.1
58						89.2
60						85.4
62						
wind velocity		9m/s				

Notes: 1.The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

2. In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1mt as the equivalent weight of the extension jib.

Load Charts of LJD\LJDB Operating Condition

Load Chart of LJD/LJDB Operating Condition (Hook Block)

 LJD: Counterweight 180mt  Central ballast 80mt  LJDB: Counterweight 160mt

 Superlift counterweight 0 ~ 262mt  Superlift radius 11m ~ 15m Unit: mt

Boom60m + Jib 36m

radius (m)	State / Boom	LJD 85°	LJDB 85°	LJDB 75°	LJDB 65°	LJDB 55°
20		134.4	190.1			
22		118.7	190.1			
24		105.0	184.8			
26		94.5	179.6			
28		85.6	173.3			
30		78.2	168.0			
34		66.2	156.5			
38		56.7	143.9	163.3		
42		49.9	114.5	144.8		
46				129.8		
50				117.4		
52				111.9	105.4	
54					100.7	
58					92.3	
62					85.0	
66						74.1
70						68.8
72						66.3
wind velocity		9m/s				

Boom 60m + Jib 60m

radius (m)	State / Boom	LJD 85°	LJDB 85°	LJDB 75°	LJDB 65°	LJDB 55°
28		81.1	106.1			
30		73.3	106.1			
34		61.4	105.0			
38		52.5	101.9			
42		45.7	98.8			
46		39.9	94.6			
48		37.5	92.0	99.8		
50		35.2	89.4	99.8		
54		31.2	85.3	97.8		
58		27.9	75.9	93.6		
62		25.1	65.5	87.4		
65				82.4		
66				80.6	74.9	
70				74.9	69.2	
74				65.5	64.5	
76				60.3	62.4	
78					60.3	
82					56.7	
84					55.1	50.5
86					53.0	49.1
90						46.2
94						43.6
wind velocity		9m/s				

Boom 60m + Jib 48m

radius (m)	State / Boom	LJD 85°	LJDB 85°	LJDB 75°	LJDB 65°	LJDB 55°
24		103.4	141.8			
26		92.4	141.8			
28		83.5	141.8			
30		76.1	138.6			
34		64.1	132.3			
38		55.1	125.0			
42		48.0	118.7	131.3		
46		42.2	112.4	128.3		
50		37.4	96.1	116.0		
54		33.5	78.8	105.6		
58				96.8		
60				92.8	87.1	
62				89.1	83.6	
64				85.6	80.4	
66					77.4	
70					71.8	
74					66.8	62.7
78						58.6
82						54.8
wind velocity		9m/s				

Boom 60m + Jib 72m

radius (m)	State / Boom	LJD 85°	LJDB 85°	LJDB 75°	LJDB 65°	LJDB 55°
32						
34		59.2	79.3			
38		50.3	78.3			
42		43.3	76.2			
46		37.6	74.2			
50		32.9	72.1			
54		28.9	70.0	73.1		
58		25.4	68.0	73.1		
62		22.5	64.9	73.1		
66		19.9	61.3	71.1		
70		17.6	54.1	65.9		
74		15.7	47.3	61.8	57.7	
77				58.7	57.4	
78				57.7	57.2	
82				53.6	53.6	
86				48.0	50.5	
90					47.5	
92					46.0	41.3
94					44.7	40.1
96					43.6	38.8
98						37.7
102						35.5
106						33.6
wind velocity		9m/s				

Notes: 1.The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

2. In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1mt as the equivalent weight of the extension jib.

Load Charts of LJD\LJDB Operating Condition

Load Chart of LJD/LJDB Operating Condition (Hook Block)

 LJD: Counterweight 180mt  Central ballast 80mt  LJDB: Counterweight 160mt

 Superlift counterweight 0 ~ 262mt  Superlift radius 11m ~ 15m Unit: mt

Boom 60m + Jib 84m

radius (m)	State / Boom	LJD 85°	LJDB 85°	LJDB 75°	LJDB 65°	LJDB 55°
35						
38		49.0	58.7			
42		42.0	58.7			
46		36.4	57.7			
50		31.6	56.7			
54		27.5	55.6			
58		24.0	54.6			
60		22.5	54.1	53.6		
62		21.0	53.6	53.6		
66		18.3	52.5	53.6		
70		16.1	50.5	53.6		
74		14.1	49.4	53.6		
78		12.4	45.3	53.6		
82		10.8	40.4	52.5	43.0	
86		9.5	35.2	49.4	43.0	
89				46.9	43.0	
90				46.4	43.0	
94				41.2	42.8	
98				36.2	40.3	
102					38.0	33.3
106					35.8	31.3
108					34.8	30.4
110						29.5
114						27.8
118						26.4

Boom 72m + Jib 36m

radius (m)	State / Boom	LJD 85°	LJDB 85°	LJDB 75°	LJDB 65°	LJDB 55°
22		115.5	146.0			
24		102.9	143.9			
26		92.4	140.7			
28		83.5	136.5			
30		76.1	132.3			
34		64.1	125.0			
38		55.1	117.6			
40		51.8	115.0	135.5		
42		48.4	112.4	135.5		
43				133.4		
46				126.9		
50				114.8		
54				104.5		
56				99.8		
58					88.3	
62					81.4	
66					75.3	
68					72.4	
70						
72						62.0
74						59.9
78						55.9

Boom 72m + Jib 24m

radius (m)	State / Boom	LJD 85°	LJDB 85°	LJDB 75°	LJDB 65°	LJDB 55°
18		154.4	194.3			
20		133.4	194.3			
22		117.6	183.8			
24		104.5	176.4			
26		94.0	170.1			
28		85.1	164.9			
30		77.7	159.6			
32						
34				176.4		
38				161.7		
42				143.4		
44				135.4		
46						
50					108.1	
54					98.5	
56					94.1	

Boom 72m + Jib 48m

radius (m)	State / Boom	LJD 85°	LJDB 85°	LJDB 75°	LJDB 65°	LJDB 55°
25						
26		90.3	111.3			
28		81.4	111.3			
30		74.0	110.3			
34		62.5	106.1			
38		53.6	101.9			
42		46.5	96.6			
46		40.8	92.4	108.2		
50		36.1	88.2	106.1		
54		32.2	84.0	98.7		
55				97.1		
58				93.5		
62				87.0		
64				83.6	76.1	
66				80.4	73.5	
70					68.3	
74					63.5	
78					59.6	
82						50.4
86						47.3
90						44.5

Notes: 1.The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

2. In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1mt as the equivalent weight of the extension jib.

Load Charts of LJD\LJDB Operating Condition

Load Chart of LJD/LJDB Operating Condition (Hook Block)

 LJD: Counterweight 180mt  Central ballast 80mt  LJDB: Counterweight 160mt

 Superlift counterweight 0 ~ 262mt  Superlift radius 11m ~ 15m Unit: mt

Boom 72m + Jib 60m

radius (m)	State Boom	LJD 85°	LJDB 85°	75°	65°	55°
29						
30		71.2	85.3			
34		59.8	84.2			
38		51.2	82.2			
42		44.2	79.0			
46		38.6	75.9			
50		33.9	73.8			
52		31.9	72.8	82.2		
54		30.1	71.8	82.2		
58		26.7	68.6	82.2		
62		23.8	66.6	80.1		
66		21.2	57.7	77.0		
67				75.9		
70				72.3		
72				69.7	62.9	
74				67.6	60.3	
78				62.9	56.7	
82					53.0	
86					49.8	
90					47.0	40.9
94						38.4
98						36.2
102						34.2
wind velocity		9m/s				

Boom 72m + Jib 84m

radius (m)	State Boom	LJD 85°	LJDB 85°	75°	65°	55°
36						
38		47.4	49.4			
42		40.5	49.4			
46		34.9	48.4			
50		30.2	47.4			
54		26.2	47.4			
58		22.7	46.4			
62		19.8	45.3	46.4		
66		17.2	44.3	46.4		
70		14.9	43.3	46.4		
74		13.0	41.2	46.4		
78		11.2	40.2	45.3		
82		9.8	39.1	44.3		
86		8.4	36.1	43.3	36.1	
90		7.3	31.1	43.3	35.9	
94				41.2	35.9	
98				39.1	35.9	
102				34.9	34.2	
106					32.2	
108					31.3	25.6
110					30.4	24.9
114					28.7	23.4
118						21.9
122						20.7
124						20.1
wind velocity		9m/s				

Boom 72m + Jib 72m

radius (m)	State Boom	LJD 85°	LJDB 85°	75°	65°	55°
33						
34		57.2	64.9			
38		48.6	64.9			
42		41.7	62.8			
46		36.2	61.8			
50		31.6	59.7			
54		27.5	57.7			
58		24.1	55.6	61.8		
62		21.2	54.6	61.8		
66		18.6	52.5	61.8		
70		16.5	49.4	60.8		
74		14.5	46.4	60.8		
78		13.0	41.8	59.7		
80				58.2	49.1	
82				56.1	49.1	
86				53.0	46.7	
90				46.4	43.7	
94					41.0	
98					38.5	
100					37.5	31.6
102					36.5	30.6
106						28.8
110						27.2
112						26.5
wind velocity		9m/s				

Boom 84m + Jib 36m

radius (m)	State Boom	LJD 85°	LJDB 85°	75°	65°	55°
23						
24		99.8	110.3			
26		89.8	107.1			
28		80.9	104.0			
30		74.0	100.8			
34		62.5	95.6			
38		53.6	91.4			
42		46.7	87.2			
44				105.0		
46				105.0		
50				99.8		
54				94.5		
58				90.3		
62					76.7	
66					70.9	
70					66.2	
72					63.5	
74						
78						
80						48.5
82						47.0
84						45.6
wind velocity		9m/s				

Notes: 1.The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

2. In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1mt as the equivalent weight of the extension jib.

Load Charts of LJD\LJDB Operating Condition

Load Chart of LJD/LJDB Operating Condition (Hook Block)

LJD: Counterweight 180mt Central ballast 80mt LJDB: Counterweight 160mt

Superlift counterweight 0 ~ 262mt Superlift radius 11m ~ 15m Unit: mt

Boom 84m+Jib48m

radius	State	LJD	LJDB			
(m)	Boom	85°	85°	75°	65°	55°
26		84.0	85.6			
28		79.3	85.6			
30		71.9	83.0			
34		60.4	79.8			
38		51.8	75.6			
42		44.9	72.5			
46		39.3	69.3			
48		37.0	68.3	81.9		
50		34.8	67.2	81.9		
54		31.0	64.1	80.9		
56				79.8		
58				77.7		
62				75.6		
66				71.4		
70				68.3	63.5	
74					59.3	
78					55.1	
82					52.1	
84					50.5	
86						
88						39.9
90						38.6
94						36.3
96						35.4
wind velocity		9m/s				

Boom84m + Jib 72m

radius	State	LJD	LJDB			
(m)	Boom	85°	85°	75°	65°	55°
34		49.4	50.5			
38		46.8	50.5			
42		40.1	49.4			
46		34.6	48.4			
50		29.9	46.4			
54		26.0	45.3			
58		22.7	43.3			
60		21.2	42.7	48.4		
62		19.8	42.2	48.4		
66		17.3	40.2	47.4		
70		15.1	39.1	47.4		
74		13.3	38.1	46.4		
78		11.7	37.1	45.3		
79				44.8		
82				44.3		
84				43.3	36.5	
86				42.2	36.5	
90				41.2	36.2	
94				40.2	35.2	
98					34.1	
102					32.3	
106					30.5	23.6
110						22.1
114						20.8
118						19.6
120						19.0
wind velocity		9m/s				

Boom 84m+Jib 60m

radius	State	LJD	LJDB			
(m)	Boom	85°	85°	75°	65°	55°
30		64.0	66.6			
34		57.7	66.6			
38		49.4	64.5			
42		42.5	61.4			
46		37.0	59.3			
50		32.6	57.2			
54		28.6	54.1	62.4		
58		25.3	52.0	62.4		
62		22.4	49.9	61.4		
66		20.0	47.8	60.3		
68				59.3		
70				58.2		
74				56.2		
78				54.1	48.3	
82				51.0	47.5	
86					45.4	
90					42.6	
94					40.1	
96					39.0	
98						30.7
102						28.8
106						27.1
108						26.4
wind velocity		9m/s				

Boom 84m + Jib 84m

radius	State	LJD	LJDB			
(m)	Boom	85°	85°	75°	65°	55°
37						
38		39.1	41.2			
42		37.8	41.2			
46		32.5	40.2			
50		28.1	39.1			
54		24.5	38.1			
58		21.2	37.1			
62		18.3	36.1			
66		15.9	35.0	38.1		
70		13.7	34.0	38.1		
74		11.7	33.0	38.1		
78		10.1	31.9	38.1		
82		8.7	29.9	37.1		
86		7.3	28.8	36.1		
90		6.2	27.8	36.1		
91				35.5		
92				35.0	27.3	
94				35.0	27.3	
98				34.0	27.3	
102				31.9	26.9	
104				25.4	26.6	
106					26.3	
110					25.4	
114					24.4	
116					24.0	17.8
118					23.5	17.2
122						16.1
126						14.9
130						14.0
132						13.6
wind velocity		9m/s				

Notes: 1.The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

2. In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1mt as the equivalent weight of the extension jib.

Load Charts of LJD\LJDB Operating Condition

Load Chart of LJD/LJDB Operating Condition (Hook Block)

 LJD: Counterweight 180mt  Central ballast 80mt  LJDB: Counterweight 160mt

 Superlift counterweight 0 ~ 262mt  Superlift radius 11m ~ 15m Unit: mt

Boom 96m + Jib 36m

radius	State	LJD	LJDB			
(m)	Boom	85°	85°	75°	65°	55°
24		82.4	85.1			
26		82.4	85.1			
28		78.2	81.4			
30		71.4	78.8			
34		59.9	73.5			
38		51.7	68.8			
42		44.9	65.1			
45						
46				70.9		
50				68.8		
54				65.1		
58				62.0		
62				57.2		
66						
68					55.1	
70					54.1	
74					50.5	
78					46.5	
82						
86						37.6
90						35.3
92						34.2
wind velocity		9m/s				

Boom 96m + Jib 60m

radius	State	LJD	LJDB			
(m)	Boom	85°	85°	75°	65°	55°
31						
34		48.2	48.2			
38		46.3	46.3			
42		41.2	44.2			
46		35.7	42.1			
50		31.1	40.1			
54		27.2	38.0			
58		23.9	36.3	43.1		
62		21.1	34.7	43.1		
66		18.7	32.8	42.0		
69				40.4		
70				39.9		
74				38.9		
78				36.8		
82				34.7	31.3	
84				30.0	31.1	
86					30.8	
90					29.0	
94					27.1	
98					25.3	
100					24.6	
102						
104						21.6
106						21.6
110						20.3
114						18.8
wind velocity		9m/s				

Boom 96m + Jib 48m

radius	State	LJD	LJDB			
(m)	Boom	85°	85°	75°	65°	55°
27						
28		63.5	63.5			
30		63.5	63.5			
34		58.3	59.9			
38		49.9	56.7			
42		43.1	53.6			
46		37.7	51.0			
50		33.2	48.5			
52		31.3	47.3	54.6		
54		29.5	46.0	54.6		
57				53.0		
58				52.5		
62				50.4		
66				48.3		
70				45.2		
74				43.1	42.5	
78					41.4	
82					38.9	
86					36.3	
88					35.0	
90						
94						
96						29.3
98						28.4
102						26.7
104						25.9
wind velocity		9m/s				

Boom 96m + Jib 72m

radius	State	LJD	LJDB			
(m)	Boom	85°	85°	75°	65°	55°
35						
38		36.4	36.4			
42		35.1	35.1			
46		31.9	33.8			
50		27.7	32.3			
54		24.2	30.8			
58		21.0	29.3			
62		18.2	27.8			
64		17.0	27.3	33.0		
66		15.9	26.8	33.0		
70		13.8	25.8	31.9		
74		11.9	24.7	30.9		
78		10.4	23.7	29.9		
80				29.9		
82				28.8		
86				27.8		
90				26.8	22.9	
94				24.9	22.5	
96				21.2	22.0	
98					21.4	
102					20.1	
106					18.6	
110					17.4	
112					16.8	
114						14.9
118						14.3
122						13.3
126						12.3
wind velocity		9m/s				

Note: The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

Load Charts of LJD\LJDB Operating Condition

Load Chart of LJD/LJDB Operating Condition (Hook Block)

 LJD: Counterweight 180mt  Central ballast 80mt  LJDB: Counterweight 160mt

 Superlift counterweight 0 ~ 262mt  Superlift radius 11m ~ 15m Unit: mt

Boom 96m + Jib 84m

radius (m)	State / Boom	LJD 85°	LJDB 85°	LJDB 75°	LJDB 65°	LJDB 55°
38		28.1	28.1			
42		28.1	28.1			
46		26.9	26.9			
50		25.3	25.8			
54		21.9	24.7			
58		19.0	23.7			
62		16.5	22.7			
66		14.3	21.6			
68		13.3	21.6	24.7		
70		12.4	21.6	24.7		
74		10.5	20.6	24.7		
78		8.9	19.6	23.7		
82		7.4	18.5	23.7		
86		6.2	17.5	22.7		
90		5.0	17.5	21.6		
92				21.6		
94				20.6		
96				20.6	16.0	
98				20.6	16.0	
102				19.1	15.8	
106				14.9	15.1	
108				14.5	14.7	
110					14.3	
114					13.5	
118					12.8	
122					11.9	9.8
124					11.5	9.8
126						9.7
130						9.0
134						8.0
138						7.1
wind velocity		9m/s				

Boom 108m + Jib 48m

radius (m)	State / Boom	LJD 85°	LJDB 85°	LJDB 75°	LJDB 65°	LJDB 55°
28		44.9	46.4			
30		44.9	46.4			
34		43.1	44.2			
38		41.0	42.0			
42		39.0	39.8			
46		35.8	37.5			
50		31.4	35.6			
54		27.6	33.8			
56		26.0	32.9	40.3		
58		24.5	31.9	40.3		
62				37.9		
66				35.4		
70				33.0		
74				30.6		
76				29.4		
78						
80					26.4	
82					26.1	
86					24.9	
90					22.9	
94					21.0	
102						14.9
106						14.5
110						13.1
wind velocity		9m/s				

Boom96m + Jib 96m

radius (m)	State / Boom	LJD 85°	LJDB 85°	LJDB 75°	LJDB 65°	LJDB 55°
42		20.0	20.0			
46		20.0	20.0			
50		19.1	19.6			
54		18.5	18.5			
58		17.4	18.5			
62		14.9	17.5			
66		12.8	16.5			
70		10.9	16.5			
74		9.3	15.5	17.5		
78		7.7	15.5	17.5		
82		6.5	14.4	17.5		
86		5.3	13.4	17.5		
90			13.4	16.5		
94			12.4	16.5		
98			11.3	15.5		
102			11.3	14.9		
104				14.4	9.8	
106				14.4	9.8	
110				13.9	9.6	
114				12.9	9.2	
118				9.0	8.7	
120				8.5	8.3	
122					8.0	
126					7.5	
130					6.9	4.5
134					6.4	4.4
136					6.1	4.3
138						4.2
wind velocity		9m/s				

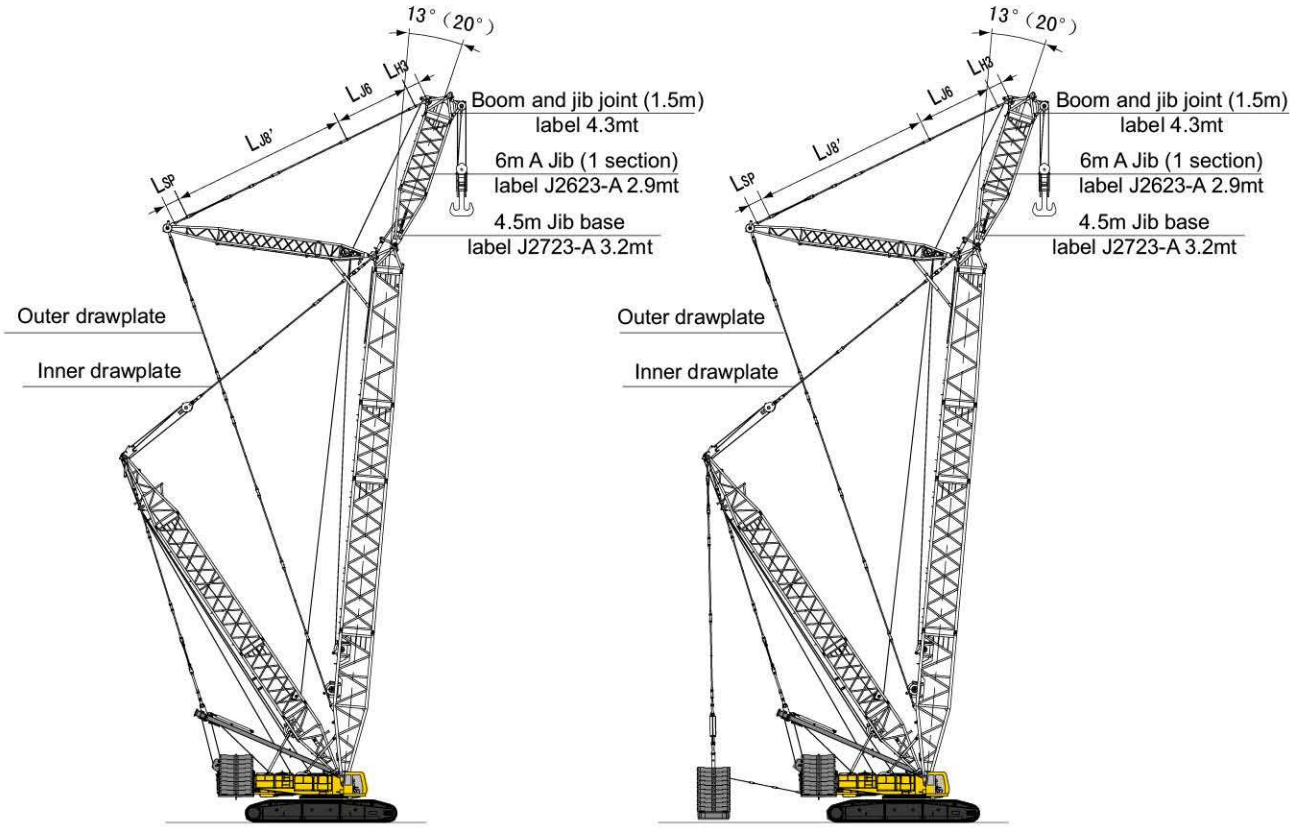
Boom108m + Jib 60m

radius (m)	State / Boom	LJD 85°	LJDB 85°	LJDB 75°	LJDB 65°	LJDB 55°
32						
34		33.8	35.0			
38		32.4	33.5			
42		31.1	31.9			
46		29.6	30.4			
50		28.2	28.8			
54		25.1	27.2			
58		21.9	25.9			
60		20.6	25.2	30.7		
62		19.2	24.5	30.5		
66		17.0	23.2	29.4		
70		15.0	21.0	27.7		
74				25.9		
78				24.2		
82				22.5		
86				20.8		
88				20.0	18.8	
90					18.8	
94					17.5	
98					16.0	
102					14.6	
106					13.2	
112						8.8
114						8.8
118						7.8
122						6.8
wind velocity		9m/s				

Notes: 1.The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.
2. In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1mt as the equivalent weight of the extension jib.

Boom Combinations of SF_HD\ SF_HDB Operating Condition

Assembly method of heavy jib (12m) in SF_HD\ SF_HDB operating condition



Notes:

L_{H3}: pull plate on boom and jib joint, 1.07m

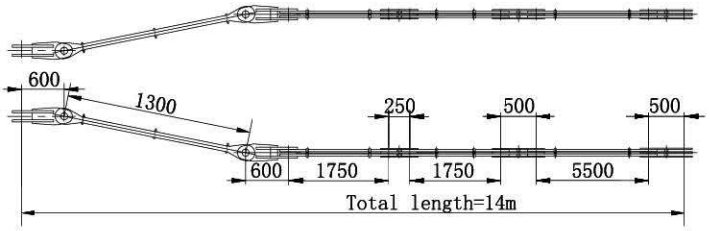
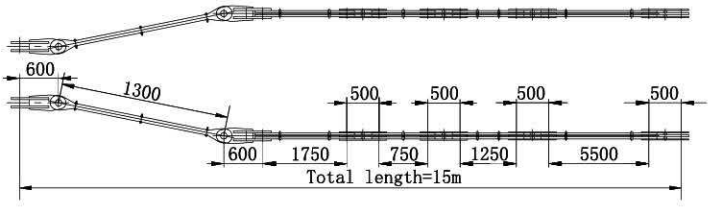
L_{J6}: pull plate on 6m middle section of jib, 6m

L_{SF}: pull plate specially designed for SF_HD\SF_HDB operating ondition, to be separately placed, 1.13m

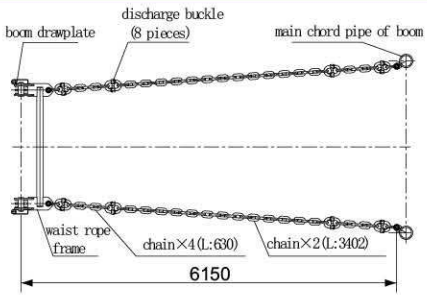
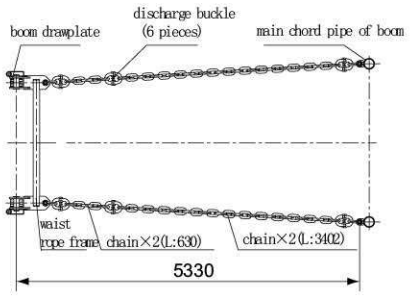
$L_{J8'}$, pull plate on 12m middle section of jib (label: J2623-A 6.9mt)

Boom Combinations of SF_HD\ SF_HDB Operating Condition

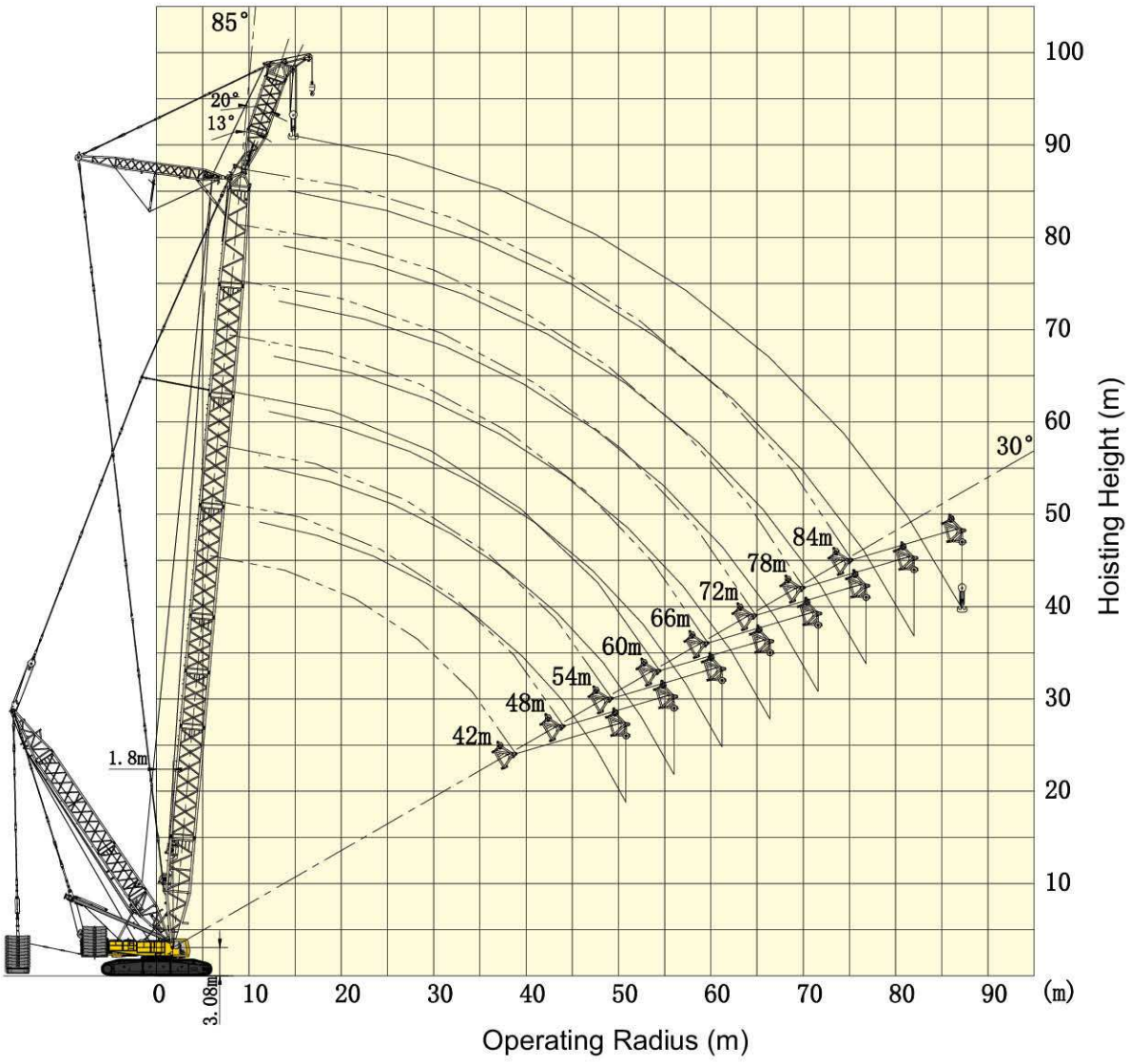
Assembly mode and length of pull plate $L_{J8'}$ in SF_HD\SF_HDB operating condition

Angle between boom and jib	Assembly mode and length of pull plate $L_{J8'}$
13°	
20°	

Assembly mode and length of waist rope for boom in SF_HD\SF_HDB operating condition

Boom length(m)	Assembly mode of waist rope
78	
84	

Operating Range of SF_HD\ SF_HDB Operating Condition



Hoisting Height and Operating Range Diagram

Load Charts of SF_HD Operating Condition

Load Chart of SF_HD Operating Condition

 Boom 42m~84m  Superlift radius 11m~15m  Counterweight 180mt  Central ballast 80mt  Fixed jib 12m Unit: mt

radius (m)	length(m)	42		48		54		60	
	Jib angle	13°	20°	13°	20°	13°	20°	13°	20°
12		278.0		274.0					
14		215.0	217.0	212.0	214.0	211.0	213.2	210.0	
16		173.0	175.0	170.0	172.0	169.0	171.6	168.0	170.0
18		143.0	144.0	141.0	142.0	140.0	141.4	138.0	140.0
20		121.0	122.0	119.0	120.0	118.0	119.6	116.0	118.0
22		105.0	106.0	102.0	104.0	101.0	102.4	99.0	101.0
24		91.0	92.0	88.0	90.0	87.0	88.0	86.0	87.0
26		80.0	81.0	78.0	79.0	76.0	77.0	74.0	75.0
28		71.0	71.5	68.0	69.0	67.0	68.0	65.0	66.0
30		63.5	64.0	61.0	61.5	59.0	60.0	57.0	58.0
34		51.2	51.7	49.0	49.5	47.4	48.0	45.0	46.0
38		41.7	42.1	39.2	39.7	37.3	38.0	35.0	35.9
42		33.9	34.2	31.4	31.8	29.4	30.0	27.2	27.9
46		27.6	27.8	25.2	25.4	23.2	23.5	20.9	21.3
50		22.6		20.1	20.3	18.0	18.3	15.7	16.1
54				15.9		13.8	14.0	11.4	11.8
58						10.3	10.4	7.8	8.0
wind velocity		10m/s							

radius (m)	length(m)	66		72		78		84	
	Jib angle	13°	20°	13°	20°	13°	20°	13°	20°
14		209.0		185(15m)					
16		167.0	169.0	164.0	166.0	162.0	164.0	161.0	
18		137.0	139.0	134.0	136.0	132.0	134.0	131.0	133.0
20		115.0	117.0	113.0	114.0	110.0	112.0	109.0	111.0
22		98.0	99.0	96.0	97.0	93.0	95.0	92.0	94.0
24		84.0	86.0	82.0	83.0	80.0	82.0	79.0	80.0
26		73.0	74.0	71.0	72.0	69.0	70.0	67.0	69.0
28		64.0	65.0	62.0	63.0	60.0	61.0	58.0	59.0
30		56.0	57.0	54.0	55.0	52.0	53.0	50.0	51.0
34		43.6	44.5	41.0	42.0	39.0	40.0	37.0	38.0
38		33.5	34.2	31.0	31.8	29.0	29.9	26.9	27.9
42		25.5	26.1	23.1	23.8	21.0	21.8	19.0	19.9
46		19.0	19.7	16.7	17.3	14.8	15.4	12.6	13.4
50		13.8	14.2	11.4	11.9	9.6	10.1	7.3	8.1
54		9.5	9.9	7.1	7.6	5.2	5.7		
58		5.9	6.1						
wind velocity		9m/s							

Note: The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

Load Charts of SF_HDB Operating Condition

Load Chart of SF_HDB Operating Condition

 Boom 42m～84m  Superlift radius 11m～15m  Counterweight 180mt  Central ballast 80mt

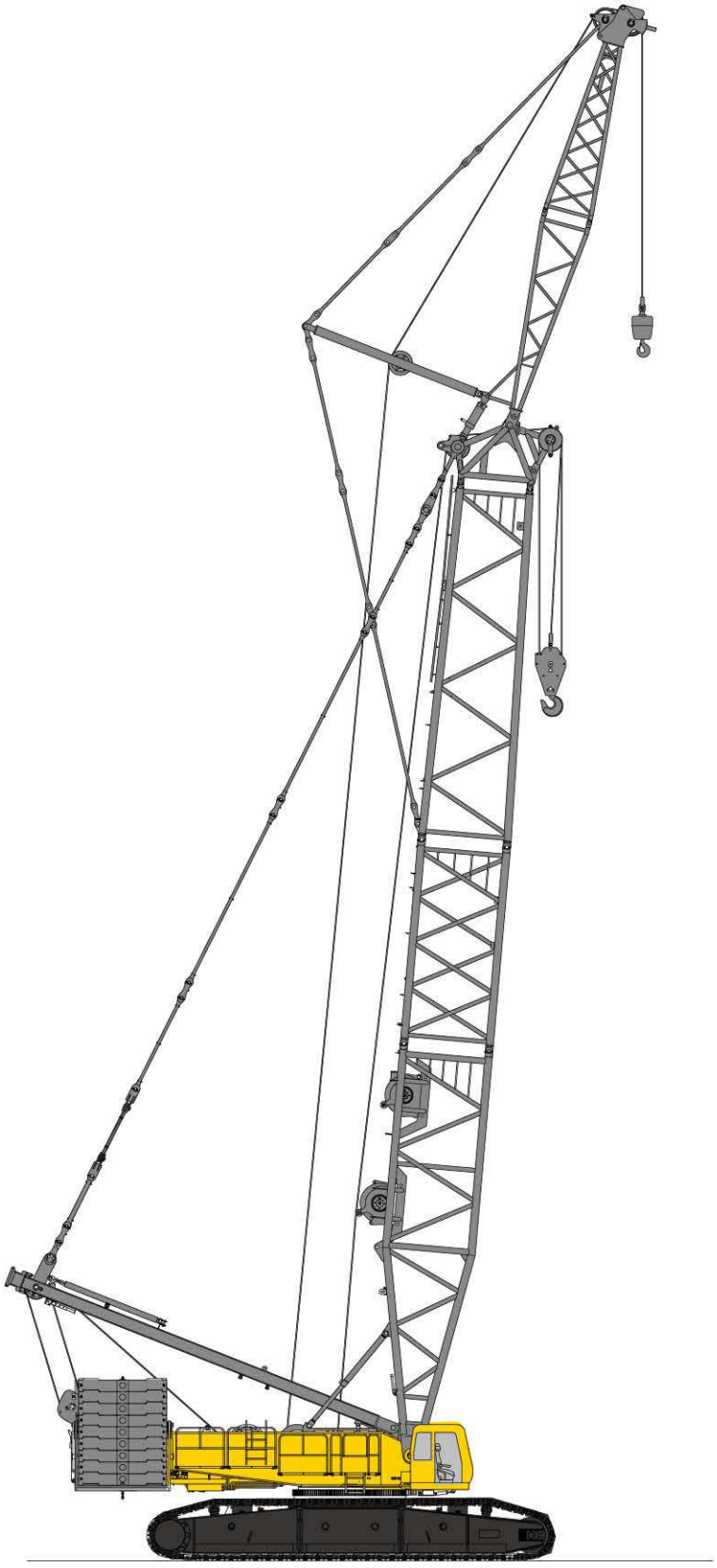
 Fixed jib 12m  Superlift counterweight 0～300mt Unit: mt

Radius (m)	length(m) / Jib angle	42		48		54		60	
		13°	20°	13°	20°	13°	20°	13°	20°
13		485.0		450.0					
14		470.0	459.0	449.0	432.0	402.0	383.0	364.0	
16		443.0	438.0	437.0	421.0	400.0	383.0	361.0	347.0
18		413.0	413.0	413.0	409.0	398.0	380.0	359.0	342.0
20		366.0	372.0	369.0	370.0	364.0	365.0	354.0	336.0
22		332.0	333.0	330.0	331.0	325.0	326.0	323.0	322.0
24		300.0	301.0	298.0	299.0	293.0	294.0	291.0	292.0
26		273.0	274.0	277.0	275.0	272.0	270.0	264.0	266.0
28		250.0	250.0	254.0	255.0	250.0	251.0	248.0	247.0
30		231.0	232.0	232.0	233.0	228.0	229.0	226.0	227.0
34		198.0	199.0	197.0	197.0	193.0	194.0	191.0	192.0
38		168.0	171.0	170.0	170.0	166.0	167.0	165.0	165.0
42		144.0	144.0	149.0	149.0	145.0	146.0	143.0	144.0
46		119.0	119.0	130.0	130.0	128.0	128.0	126.0	126.0
50		97.1		109.0	109.0	114.0	115.0	113.0	113.0
54				90.8		98.0	98.0	101.4	101.0
58						83.2	83.0	88.0	88.0
62								75.4	75.4
66								62.9	
wind velocity		10m/s							

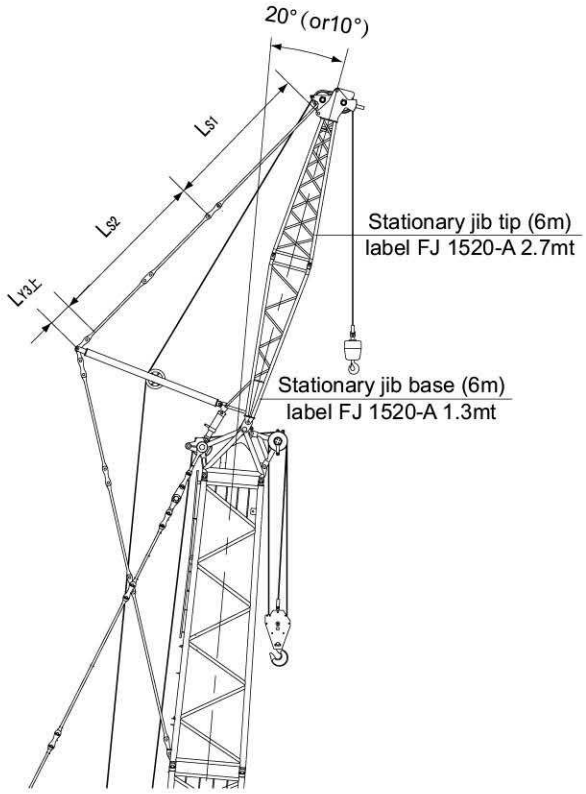
Radius (m)	length(m) / Jib angle	66		72		78		84	
		13°	20°	13°	20°	13°	20°	13°	20°
15		307.0							
16		306.0	295.0	266.0	259.0	225.0	217.0		
17		305.0	294.0	265.0	258.0	224.0	217.0	198.0	
18		304.0	293.0	265.0	257.0	223.0	217.0	197.0	192.0
20		302.0	291.0	264.0	256.0	221.0	215.0	195.0	190.0
22		293.0	288.0	261.0	254.0	219.0	213.0	194.0	188.0
24		280.0	277.0	253.0	249.0	217.0	211.0	191.0	187.0
26		263.0	264.0	246.0	242.0	214.0	209.0	188.0	184.0
28		240.0	241.0	235.0	235.0	211.0	206.0	184.0	181.0
30		225.0	224.0	216.0	217.0	208.0	203.0	181.0	177.0
34		190.0	191.0	186.0	187.0	183.0	184.0	169.0	168.0
38		163.0	164.0	159.0	160.0	158.0	159.0	153.0	153.0
42		142.0	142.0	139.0	140.0	138.0	138.0	135.0	136.0
46		125.0	125.0	122.0	122.0	120.0	121.0	118.0	119.0
50		111.0	111.0	108.0	109.0	107.0	107.0	105.0	105.0
54		99.0	100.3	96.0	97.3	95.2	95.0	93.2	93.7
58		89.9	89.9	87.0	87.0	85.4	86.0	83.0	83.9
62		79.0	79.0	78.8	78.7	76.7	77.0	75.0	75.0
66		67.0	67.0	68.4	68.4	68.4	68.4	66.0	66.0
70		57.0		59.2	59.2	59.7	59.0	58.0	58.0
74				50.3		52.0	52.0	51.0	51.0
78						44.3	44.3	44.5	44.5
82						36.7		37.9	37.9
86								31.3	
wind velocity		9m/s							

Note: The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

Boom Combinations of SF_L Operating Condition

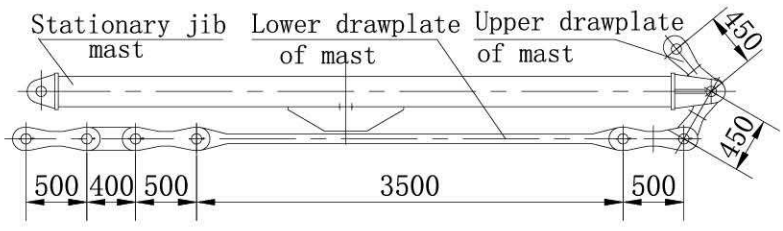
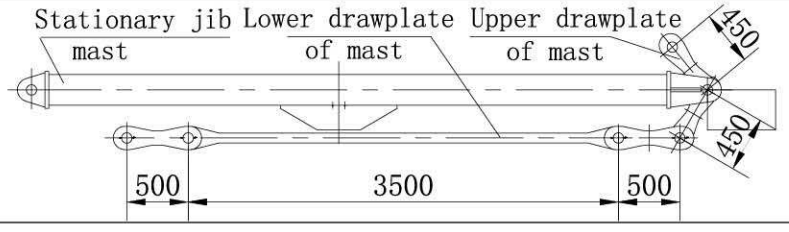


Boom Combinations of SF_L Operating Condition



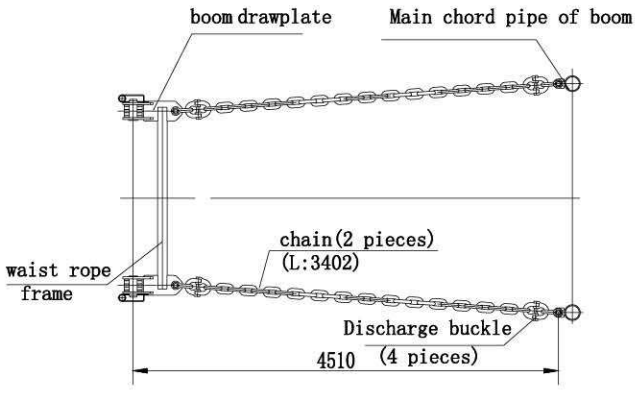
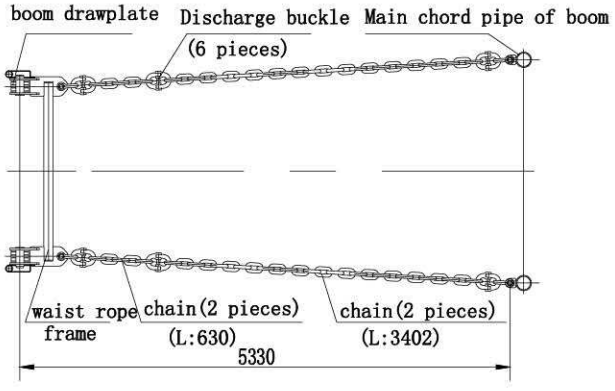
Notes: L_{S1}: pull plate on fixed jib tip, 5.86m
L_{S2}: pull plate on fixed jib base, 6.28m
$L_{Y3上}$: upper pull plate on fixed jib mast, 0.45m
$L_{H10中}$: pull plate on upper middle of 10.5m jib frame, 10m
$L_{Y3下}$: lower pull plate on fixed jib mast

Assembly mode and length of lower pull plate $L_{Y3下}$ on fixed jib mast

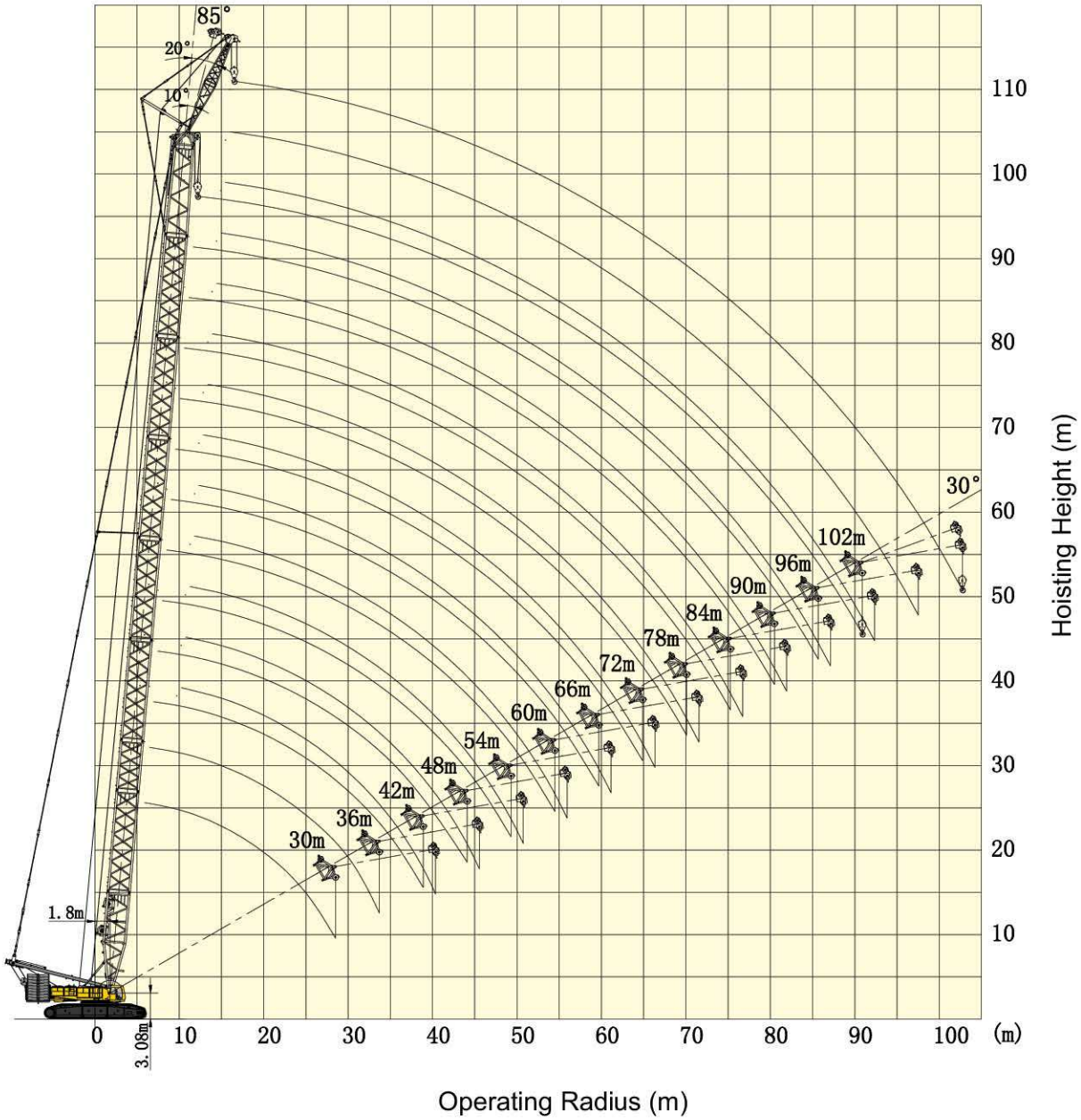
Angle between boom and jib	Assembly mode of $L_{Y3下}$	Length of pull plate
10°		4.95m
20°		5.85m

Boom Combinations of SF_L Operating Condition

Assembly mode and length of waist rope for boom in SF_L operating condition

Boom length(m)	Assembly mode of waist rope
78	
84	
90	
96	
102	

Operating Range of SF_L Operating Condition



Hoisting Height and Operating Range Diagram

Load Charts of SF_L Operating Condition

Load Chart of SF_L Operating Condition										
 Boom 30m~102m  Counterweight 180mt  Central ballast 80mt  Fixed jib 12m Unit: mt										
Radius (m)	Length(m)	30		36		42		48		54	
	Jib angle	10°	20°	10°	20°	10°	20°	10°	20°	10°	20°
9		126.0		126.0							
10		126.0		126.0		126.0		126.0			
11		125.0	82.0	126.0	84.0	126.0		126.0		126.0	
12		120.0	78.0	124.0	80.0	126.0	82.0	126.0	82.5	126.0	
13		112.0	74.0	121.0	76.5	124.0	79.0	125.0	81.0	126.0	82.5
14		105.0	71.0	114.0	73.5	121.0	76.0	123.0	78.0	125.0	79.5
16		93.0	65.0	101.0	67.5	109.0	71.0	115.0	72.5	120.0	74.5
18		84.3	60.0	92.0	63.0	99.0	65.5	105.0	68.0	111.0	70.5
20		76.3	56.0	84.0	59.0	90.0	61.5	96.5	64.0	102.0	66.5
22		69.2	52.0	77.0	55.0	83.0	58.0	89.0	60.5	94.5	63.0
24		64.6	49.0	70.0	52.0	77.0	55.0	83.0	57.5	88.0	60.0
26		60.1	46.0	65.7	49.5	71.0	52.0	77.0	55.0	79.0	57.0
28		56.1	44.0	62.1	47.1	66.7	49.9	72.0	52.5	71.0	54.5
30		53.0	41.8	58.6	44.8	63.6	47.7	65.0	50.0	64.0	52.5
34		47.4	38.5	52.0	41.2	56.1	43.8	54.5	46.0	53.5	48.5
38		43.0	36.0	47.6	38.4	47.8	40.8	46.3	43.0	45.0	45.0
39		42.2		46.4	37.8	46.1	40.1	44.5	42.3	43.4	43.6
40				45.1	37.3	44.4	39.5	42.9	41.6	41.8	42.1
42				42.7	36.2	41.2	38.3	39.7	40.2	38.5	39.1
43				41.3	35.8	39.9	37.8	38.4	38.8	37.2	37.7
45				38.7		37.3	36.8	35.8	36.2	34.5	34.9
46						36.0	36.3	34.4	34.8	33.2	33.6
48						33.8	33.9	32.2	32.6	31.0	31.6
50						31.7		30.1	30.4	28.9	29.2
53								27.4	27.6	26.0	26.4
54								26.5		25.0	25.5
55								25.7		24.2	24.5
58										21.8	22.0
60										20.4	
Wind speed		9m/s									

Notes: 1. The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.
2. In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1mt as the equivalent weight of the extension jib.

Load Charts of SF_L Operating Condition

Load Chart of SFL Operating Condition											
 Boom 30m~102m  Counterweight 180mt  Central ballast 80mt  Fixed jib 12m											Unit: mt
Radius (m)	Length (m)	60		66		72		78		84	
	Jib angle	10°	20°	10°	20°	10°	20°	10°	20°	10°	20°
11		126.0									
12		126.0		126.0		126.0					
13		126.0	82.0	126.0		126.0		126.0		126.0	
14		126.0	81.0	126.0	81.0	126.0	82.0	126.0		126.0	
15		125.0	78.5	125.0	80.0	126.0	81.5	126.0	80.5	124.0	79.5
16		122.0	76.5	122.0	78.0	126.0	79.0	121.0	80.5	116.0	79.5
18		116.0	72.0	116.0	74.0	111.0	75.0	107.0	76.5	103.0	77.5
20		107.0	68.5	107.0	70.0	99.5	71.5	96.0	73.0	91.5	74.5
22		96.5	65.0	96.0	66.5	89.0	68.5	85.5	70.0	82.3	71.0
24		87.5	62.0	87.5	63.5	80.5	65.5	77.5	67.0	74.2	68.5
26		77.5	59.0	77.5	61.0	73.0	62.5	70.5	64.6	67.2	65.5
28		69.5	56.5	69.5	58.5	67.0	60.0	64.0	62.1	61.1	63.0
30		63.0	54.5	63.0	56.0	60.5	58.0	58.5	59.6	55.6	57.5
34		52.0	50.5	52.0	52.0	49.5	50.5	48.5	49.7	47.0	48.0
38		43.6	44.4	43.6	43.4	41.2	42.0	40.1	41.1	38.7	39.5
42		37.0	37.7	37.1	36.7	34.5	35.4	33.2	34.2	31.5	32.6
46		31.5	32.3	31.7	31.2	28.8	29.6	27.5	28.4	25.8	26.8
50		27.2	27.7	27.2	26.5	24.1	24.8	22.7	23.5	21.0	21.9
54		23.3	23.7	23.3	22.4	20.2	20.8	18.8	19.5	17.1	17.9
58		20.0	20.4	20.0	19.1	16.9	17.4	15.5	16.1	13.7	14.4
62		17.2	17.5	17.2	16.2	14.0	14.4	12.6	13.1	10.8	11.4
63		16.6	16.9	16.6	15.5	13.3	13.7	11.9	12.4	10.2	10.7
65		15.4		15.4	14.2	12.1	12.5	10.7	11.2	9.0	9.5
66				20.0	13.6	11.5	11.9	10.1	10.6	8.4	8.9
68				17.2	12.5	10.4	10.8	9.0	9.5	7.3	7.8
70				16.6		9.4	9.7	8.0	8.4	6.2	6.7
71				15.4		8.9	9.2	7.5	7.9	5.7	6.2
73						8.0	8.3	6.6	6.9	4.8	5.2
74						7.6		6.2	6.5	4.4	4.7
75						7.2		5.7	6.0	3.9	4.3
76						6.8		5.3	5.6		3.9
78								4.4	4.7		
80								3.7			
Wind speed		9m/s									

Notes: 1. The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.
2. In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1mt as the equivalent weight of the extension jib.

Load Charts of SF_L Operating Condition

Load Chart of SFL Operating Condition

 Boom 30m ~ 102m  Superlift radius 11m ~ 15m  Counterweight 180mt  Central ballast 80mt

 Fixed jib 12m  Superlift counterweight 0 ~ 300mt

Unit: mt

Radius (m)	Length(m)	90		96		102	
	Jib angle	10°	20°	10°	20°	10°	20°
14		89.0					
15		89.0		85.0			71.0
16		89.0	75.5	85.0			71.0
17		87.0	75.5	83.5	72.0	61.0	71.0
18		87.0	75.0	82.5	72.0	61.0	70.0
20		84.5	73.0	80.5	71.0	60.5	68.0
22		82.0	71.5	78.5	69.5	59.0	66.0
24		75.0	70.0	72.0	68.0	57.5	64.5
26		68.0	67.5	65.5	66.5	56.0	63.0
28		62.5	64.0	60.0	61.5	55.0	58.0
30		57.0	58.5	55.0	56.5	54.0	53.0
34		48.5	49.5	46.5	48.0	46.0	44.6
38		40.5	41.5	39.5	40.5	39.0	38.0
42		33.5	34.5	32.5	33.5	32.8	31.8
46		28.0	28.8	27.0	27.8	27.0	26.0
50		23.2	24.0	22.0	23.0	22.0	21.3
54		19.3	20.0	18.0	19.0	18.0	17.3
58		15.9	16.5	14.8	15.5	14.6	13.9
62		13.0	13.5	11.9	12.5	11.6	11.0
66		10.5	11.0	9.4	10.0	9.1	8.5
67		9.8	10.0	8.8	9.4	8.5	
69		8.9	9.0	7.8	8.3		
70		8.1	8.8	7.3	7.8		
72		7.5	7.9	6.3	6.8		
73		7.0	7.2	5.8	6.3		
74		6.5	6.9	5.4	5.8		
78		4.7	5.2	3.7	4.0		
79		4.3	4.8		3.6		
80		3.9	4.4	5.8	6.3		
81		3.6	4.0	5.4	5.8		
82			3.6	3.7	4.0		
Wind speed		9m/s					

Notes: 1. The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.
2. In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1mt as the equivalent weight of the extension jib.

★We reserve the right to modify information of the brochure without any prior notice.