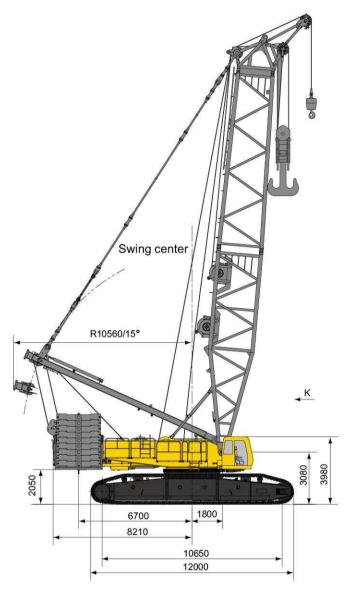
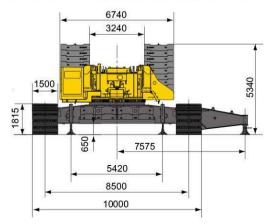
Outline Dimensions

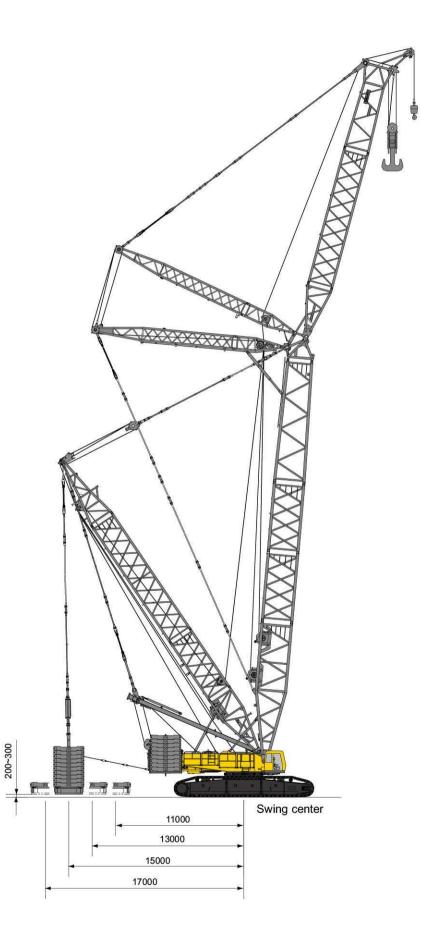


K(Dismount the boom/jib support, luffing mast and etc.)



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	



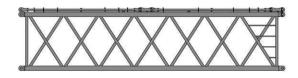












Basic Machine	×1
Length	12. 27m
Width	3. 30m
Height	3. 40m
Weight	70000kg
Crawler Assembly	×2
Length	12.00m
Width	2. 20m
Height	1.82m
Weight	52000kg

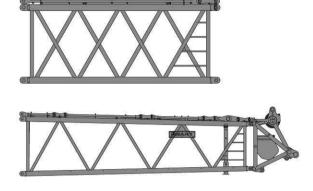
Main Luffing Mast (including winche	es, etc.) ×1
Length	12. 35m
Width	2. 30m
Height	1. 35m
Weight	19700kg

Boom Base (including winches,	etc.) ×1
Length	12. 36m
Width	3. 03m
Height	3. 61m
Weight	27500kg

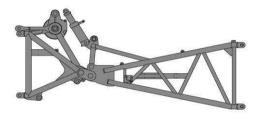
12m Boom Insert A	×1
Length	12. 24m
Width	3. 09m
Height	2. 95m
Weight	9200kg

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

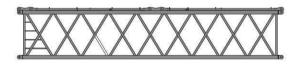


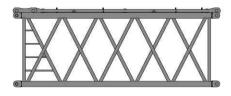












×2
6. 24m
3. 09m
2. 95m
5100kg

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

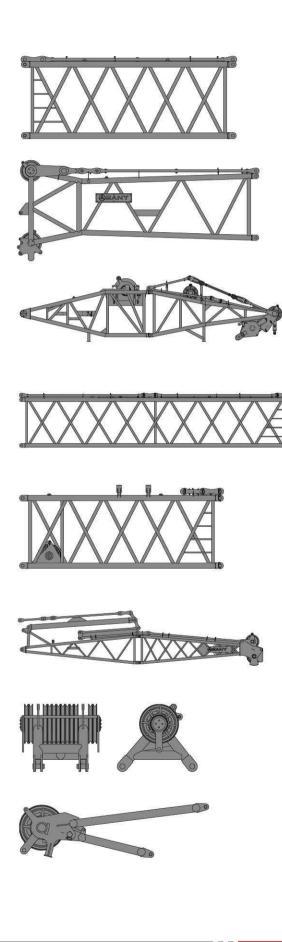
Connecting Head, Jib Base	×1
Length	6. 83m
Width	2. 69m
Height	3. 35m
Weight	7800kg

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



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 Bas	e (including winch) ×1
Length	12. 53m
Width	2. 7m
Height	1.91m
Weight	14000kg

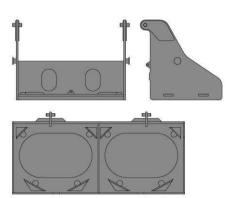
12m Superlift Mast Insert	×1
Length	12. 2m
Width	2 . 71m
Height	2. 44m
Weight	6200kg

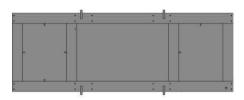
6m Superlift Mast Insert	×1
Length	6. 2m
Width	2. 95m
Height	2. 54m
Weight	3000kg

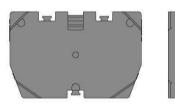
Fixed Jib (including Jib Strut)	×1
Length	12.57m
Width	2.11m
Height	2.83m
Weight	6100kg

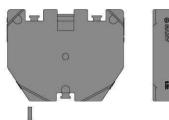
Pulley Set	×2
Length	1.47m
Width	1.45m
Height	1.22m
Weight	1800kg

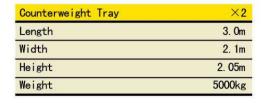
Extension Jib	×1
Length	2. 98m
Width	1.71m
Height	0. 85m
Weight	500kg











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

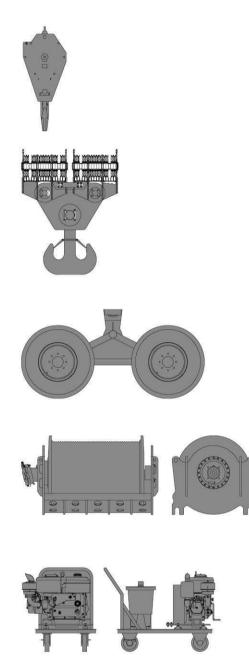
Counterweight Block	×48
Length	2. 61m
Width	1. 7m
Height	0. 39m
Weight	9500kg

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



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.

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.

Winch diameter Outermost speed of wire rope Wire rope diameter Length of main winch wire	630mm	
	22	0 ~ 110 m/min
noist	Wire rope diameter	28 mm
Main h	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
istin	Wire rope diameter	28 mm
Aux. ho	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.

	Winch diameter	630mm		
Main Iuffing Winch	Outermost speed of wire	(0~48)×2		
N gu	rope	m/min		
Iuffi	Wire rope diameter	28mm		
Main	Length of main luffing wire rope	715m		
_	Diameter	630mm		
Aux. Iuffing Winch	Outermost speed of wire rope	0 ~ 105m/min		
luffi	Wire rope diameter	28mm		
Aux.	Length of aux. luffing wire rope	960m		
ь	Winch Diameter	630mm		
uperlift luffing Winch	Outermost speed of wire rope	0 ~ 120m/min		
ft luf	Wire rope diameter	28mm		
Superli	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.



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: $0 \sim 0.55$ km/h (low speed) and $0 \sim 1.1$ km/ 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 highstrength 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 (SFL)

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.

\triangleright

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.

\triangleright

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.

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) × 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

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

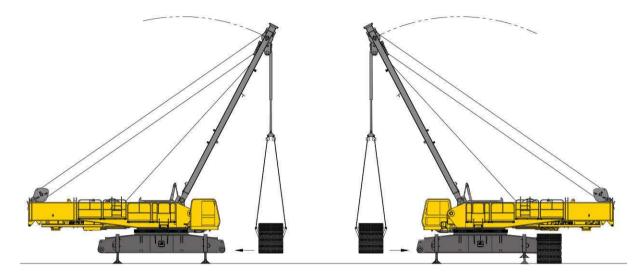
Parameter of Counterweight

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.

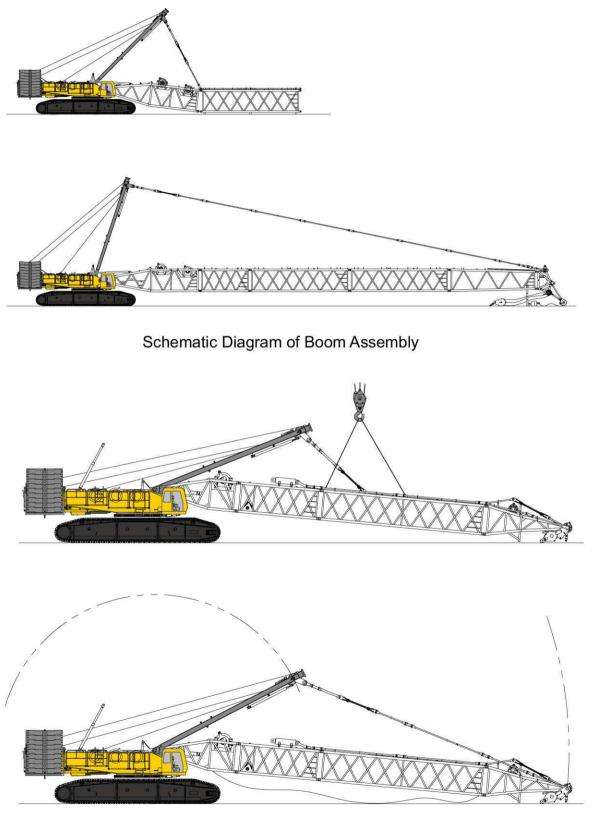
Self-Assembly/disassembly



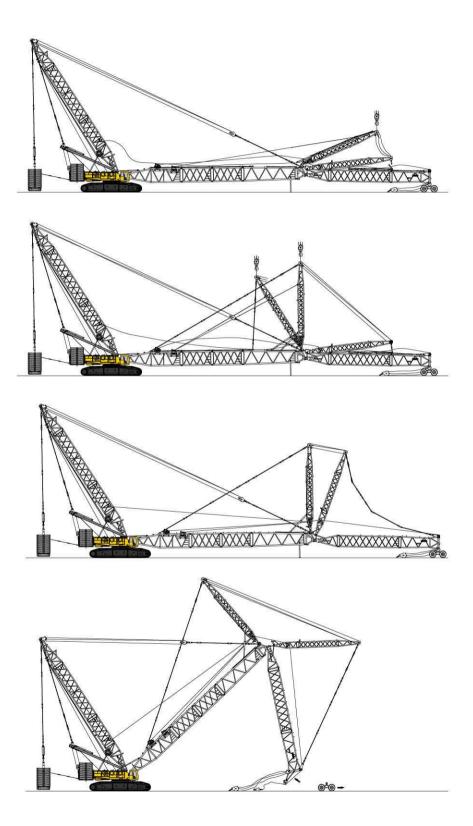
Schematic diagram of self-assembly/disassembly of crawler frames



Assembly



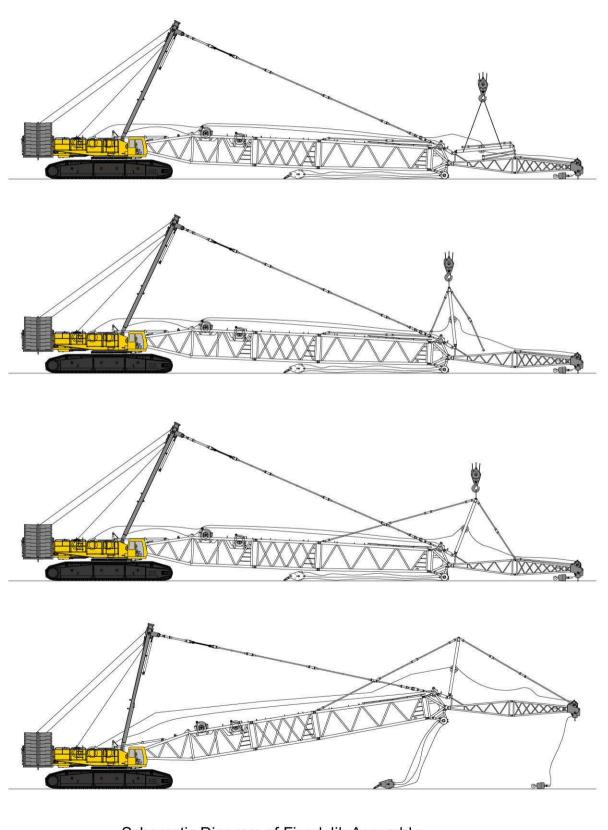
Schematic Diagram of Superlift Mast Assembly



Schematic Diagram of Luffing Jib Assembly

Quality Changes the World

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 (H₁)



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



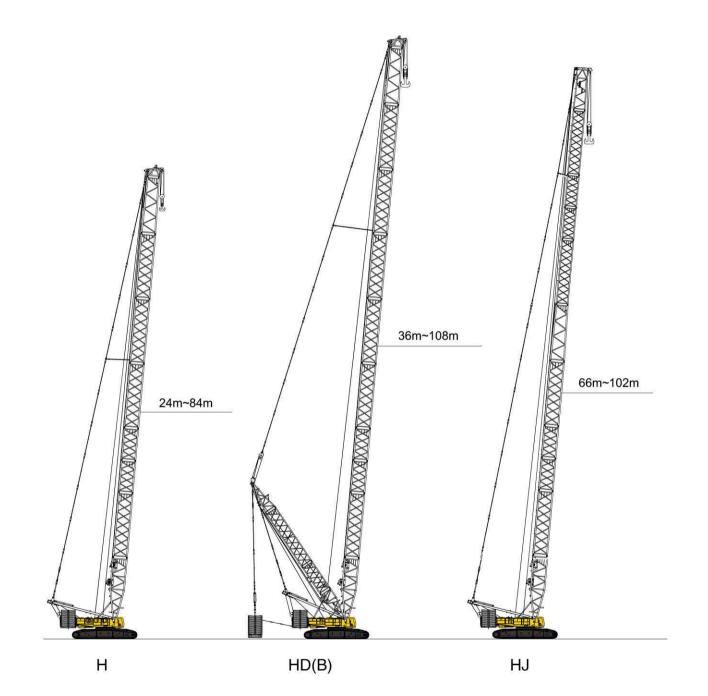
Central ballast

Operating Condition Code:

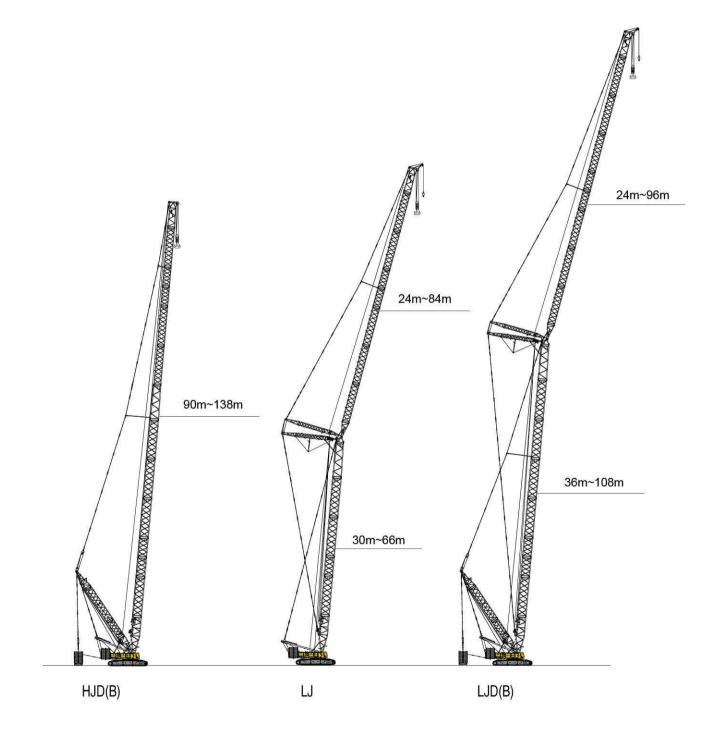
- H: Heavy main boom
- H_L: Light main boom
- HD (HDB): Heavy main boom + superlift mast (+ superlift counterweight)
- HJ: Mixed main boom
- HJD (HJDB): Mixed main boom + superlift mast (+ superlift counterweight)
- FJ: Fixed jib
- LJ: Luffing jib
- LJD (LJDB): Luffing jib + superlift mast (+ superlift 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.

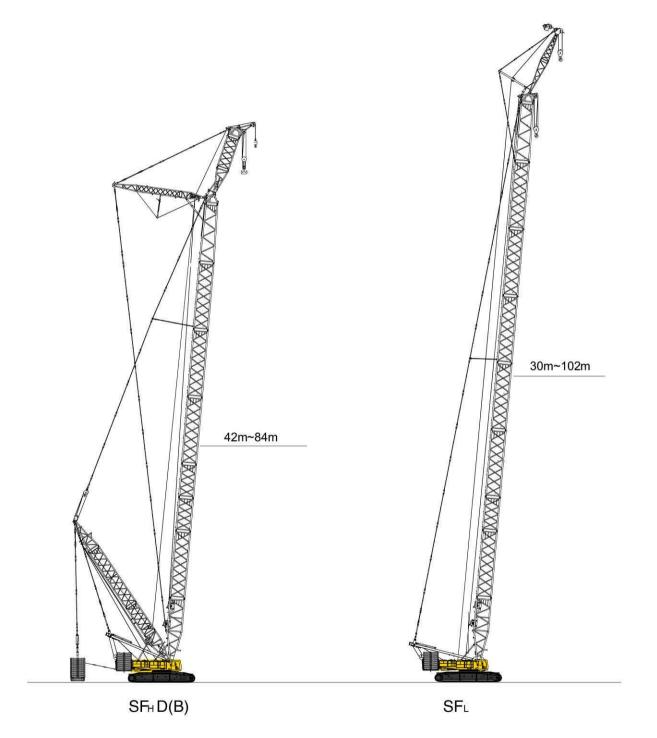
Operating Conditions



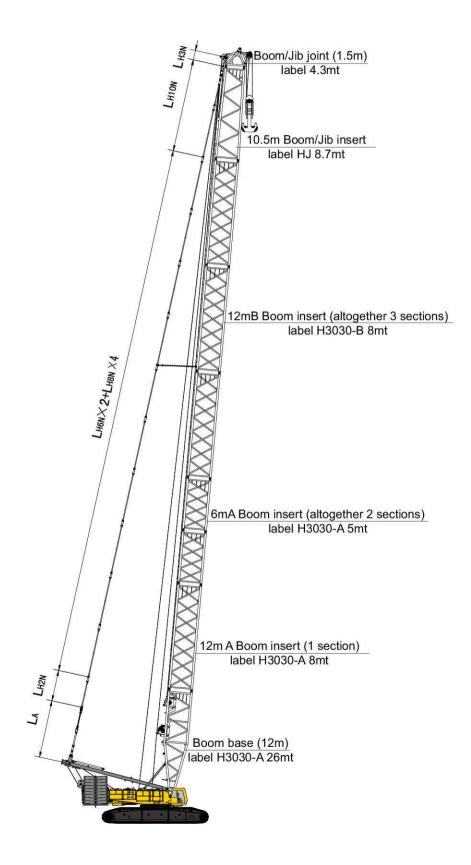
Operating Conditions



Operating Conditions



SCC6300 Hydraulic Crawler Crane



Boom length	Boom/jib frame assembly
24m	H2 H10 H3
30m	H2 H6A H10 H3
36m	H2 H6A H6A H10 H3
42m	H2 H8A H6A H10 H3
48m	H2 H8A H6A H6A H10 H3
54m	H2 H8A H6A H8B H10 H3
60m	H2 H8A H6A H6A H8B H10 H3
66m	H2 H8A H6A H8B H8B H10 H3
72m	H2 H8A H6A H6A H8B H8B H10 H3
78m	< H2 H8A H6A H8B H8B H8B H10 ↓ H3
84m	<u>H2</u> H8A H6A H6A H8B H8B H8B H10 H3

Boom Combination Table of H Operating Condition

Symbol	Length	Label	Remark
H2	12m	H3030-A 26t	boom base
H10	10. 5m	HJ 8.7t	boom transition insert
Д НЗ	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 0.

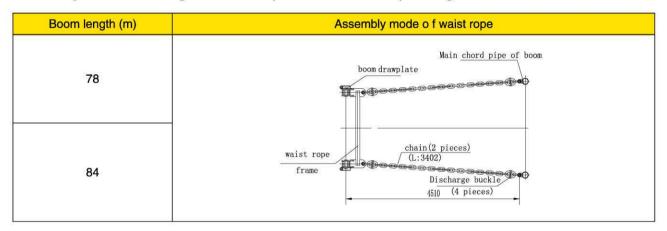
Assembly mode and length of pull plates between main luffing mast and connecting head in H operating condition

Boom length (m)	Assembly of pull plates between main luffing mast and connecting head	Total length of pull plate (m)
24	La+ LH2N+ LH10+ LH3	21.57
30	La+ LH2N+ LH10N+ LH3+ LH6N	27.57
36	La+ LH2N+ LH10N+ LH3+ LH8N	33.57
42	La+ LH2N+ LH10N+ LH3+ LH8N+ LH8N	39.57
48	La+ LH2N+ LH10N+ LH3+ LH6N × 2+ LH8N	45.57
54	La+ LH2N+ LH10N+ LH3+ LH6N+ LH8N × 2	51.57
60	$L_{a+} + L_{H2N+} + L_{H10N+} + L_{H3+} + L_{H6N} \times 2 + L_{H8N} \times 2$	57.57
66	La+ LH2N+ LH10N+ LH3+ LH6N+ LH8N × 3	63.57
72	$L_{a+} + L_{H2N+} + L_{H10N+} + L_{H3+} + L_{H6N} \times 2 + L_{H8N} \times 3$	69.57
78	$L_{a+} + L_{H2N+} + L_{H10N+} + L_{H3+} + L_{H8N} + L_{H8N} \times 4$	75.57
84	La+ LH2N+ LH10N+ LH3+ LH6N × 2+ LH8N × 4	81.57

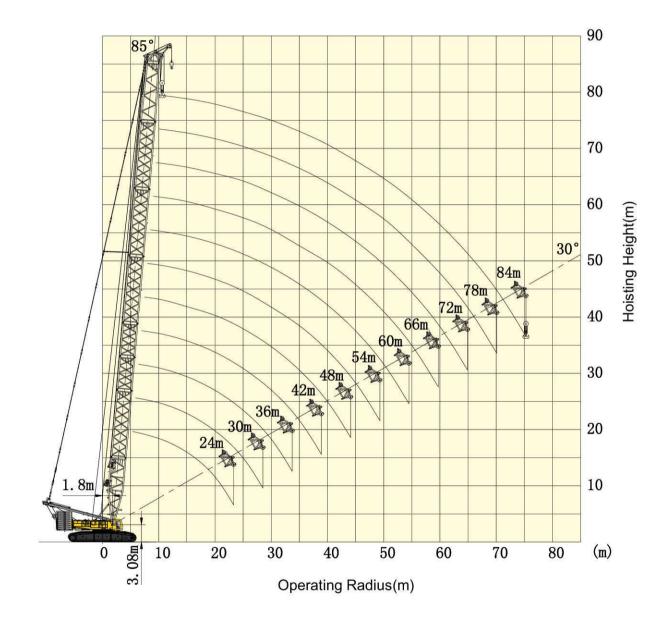
Notes:

 $\begin{array}{l} {\sf L}_{\sf A} : \mbox{ pull plate on main luffing mast, 6.5m} \\ {\sf L}_{\sf H2N} : \mbox{ inner pull plate on boom base, 3.5m} \\ {\sf L}_{\sf H10N} : \mbox{ inner pull plate on 10.5m boom frame, 10.5m} \\ {\sf L}_{\sf H3} : \mbox{ pull plate on connecting head, 1.07m} \\ {\sf L}_{\sf H6N} : \mbox{ inner pull plate on 6m boom insert, 6m} \\ {\sf L}_{\sf H8N} : \mbox{ inner pull plate on 12m boom insert, 12m} \end{array}$

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



Operating Range of H Operating Condition



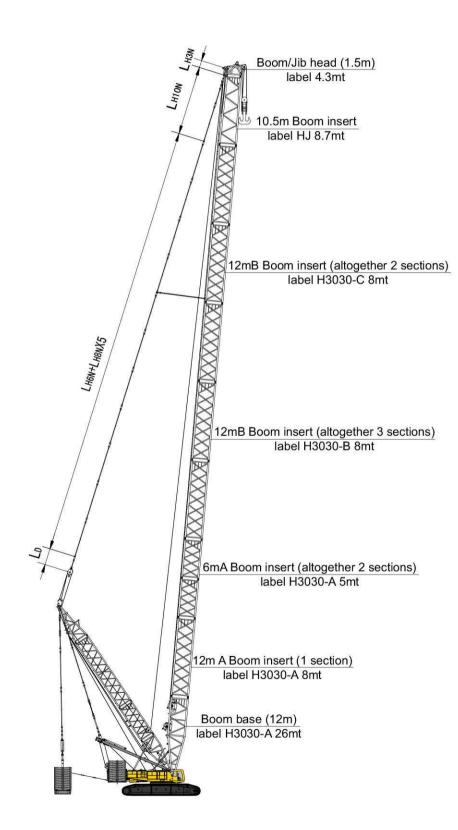
Hoisting Height and Operating Range Diagram

Load Charts of H Operating Condition

		Load	Chart	of H	<mark>Opera</mark>	<mark>ting C</mark>	onditi	<mark>on (H</mark> a	ook Bl	ock)		
	A	Boon	n length	24m~84	4m	Count	erweight	180mt <mark> </mark>	Cer	ntral bal	last 80m	ıt Unit: mt
radius	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 20	139.0 120.0	137.0 118.0	135.0 116.0	133.0 114.0	132.0 112.0	130.0 110.0	129.0 109.0	127.0 108.0	125.0 106.0	124.0 105.0	123.0 104.0	18 20
20	120.0	103.4	101.3	99.2	97.0	95.2	94.1	93.1	91.2	90.0	88.6	20
24	100.0	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			9		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									10.1	5.4		66
wind			14	3m/s					12m/s			wind
		Load	Char	t of H	Opera	ting (Condit	ion (H	ook B	lock)		
		[Во	om leng	th 24m~	84m	Cou	nterweigh	nt 160mt			Unit: m
radius length	24	30	36	42	48	54	60	66	72	78	84	length radi
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 24	86.0	83.4 73.0	81.3 71.0	79.2 68.7	77.1 67.0	75.4 65.5	74.3 64.0	73.3 63.4	71.5 61.8	70.5	69.0 58.7	22
24 26		65.6	63.0	60.9	59.3	57.2	56.0	55.0	53.0	52.0	50.8	24
28		59.3	56.0	54.1	52.5	50.6	49.5	48.3	46.8	45.7	43.6	28
30		59.5	51.2	48.7	46.8	45.0	49.3	48.3	40.8	39.6	37.4	30
34			51.2	40.0	37.9	35.7	34.2	32.7	31.1	29.8	27.8	30
38				33.6	30.9	28.7	26.9	25.4	23.7	29.8	20.3	34
42				55.0	25.7	23.2	20.9	19.8	18.1	16.7	14.6	42
46					20.1	19.1	17.0	15.3	13.5	12.2	9.9	46
50						17.1	13.6	11.7	9.9	8.5	6.2	50
54							11.0	8.9	7.0	5.4	0.14	54
58								6.7	1.0			58
wind				3m/s					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 1t as the equivalent weight of the extension jib.



Boom length	Boom/jib frame assembly
36m	H2 H6A H6A H10 H3
42m	
48m	H2 H8A H6A H6A H10 H3
54m	H2 H8A H6A H8B H10 H3
60m	H2 H8A H6A H6A H8B H10 H3
66m	H2 H8A H6A H8B H8B H10 H3
72m	H2 H8A H6A H6A H8B H8B H10 H3
78m	H2 H8A H6A H8B H8B H8B H10 H3
84m	
90m	H2 H8A H6A H8B H8B H8B H8C H10 H3
96m	H2 H8A H6A H8B H8B H8B H8C H10 H3
102m	
108m	H2 H8A H6A H8B H8B H8B H8C H8C H10)H3

Assembly table of HD\HDB Operating Condition

Symbol	Length	Label	Remark
H2	12m	H3030-A 26t	Boom base
H10	10. 5m	HJ 8.7t	Boom/jib transition insert
Д НЗ	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 0.

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

Boom length	Assembly of pull plates between superlift luffing mast	Total length of pull
(m)	and connecting head	plate (m)
36	L _{H3} +L _{H10N} + L _D	14.07
42	LH3+LH10N+ LD+ LH6N	18.32
48	L _{H3} +L _{H10N} + L _D + L _{H6N}	21.82
54	LH3+LH10N+ LD + LH8N	27.07
60	L _{H3} +L _{H10N} + L _D + L _{H8N} + L _{H6N}	32.07
66	L _{H3} +L _{H10N} + L _D + L _{H8N} × 2	38.07
72	L _{H3} +L _{H10N} + L _D + L _{H8N} × 2+ L _{H6N}	44.07
78	L _{H3} +L _{H10N} + L _D + L _{H8N} × 3	50.07
84	L _{H3} +L _{H10N} + L _D + L _{HEN} × 3+ L _{HEN}	56.07
90	$L_{H3}+L_{H10N}+L_{D}+L_{H8N}\times4$	62.07
96	$L_{H3}+L_{H10N}+L_{D}+L_{H8N}\times4+L_{H6N}$	68.07
102	L _{H3} +L _{H10N} + L _D + L _{H8N} ×5	74.07
108	LH3+LH10N+ LD + LH8N × 5+ LH6N	80.07

Notes:

 $\begin{array}{l} L_{H2N}\text{: inner pull plate on boom base, 3.5m} \\ L_{H10N}\text{: inner pull plate on 10.5m frame, 10.5m} \\ L_{H3}\text{: pull plate on connecting head, 1.07m} \\ L_{H6N}\text{: inner pull plate on 6m middle section, 6m} \\ L_{H8N}\text{: inner pull plate on 12m middle section, 12m} \\ L_{D}\text{: pull plate on superlift mast} \end{array}$

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 _▷ (m)						
42	L _{DA1} +L _{DB1}	0.75						
48	LDA1+LDB1+LDA2+LDB2+LDA2+LDB2	4.25						
54	3.5							
36、60~108	L _{DA2} +L _{DB2} +L _{DA1} +L _{DB1} 2.5							
LDA1LDB1, LDA2, LDB2, LDA2, LDB2, LDA2, LDB2, LDA2, LDB1LDA1 LDB2, LDA3 Note: LDA1=375; LDB1=375; LDA2=1250; LDB2=500; LDA3=500 Total length of pull plate (L ₀) on superlift mast								

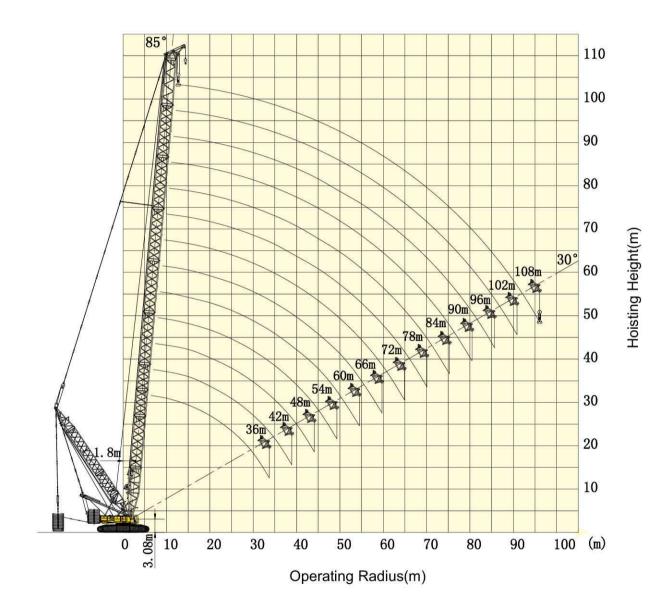
Assembly mode and length of pull plates L_D on superlift mast with a superlift radius of 17m in HD\HDB Operating Condition

Boom length (m)	Assembly of L _D	Length of L _□ (m)					
42	Lda1+Ldb1+Lda2+Ldb2+Lda3 +Lda1+Ldb1	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	Lda2+Ldb2+Lda2+Ldb2+Ldb1+Lda1+Ldb2+Lda3	6.5					
36、60~108	Lda2+Ldb2+Lda2+Ldb2+Ldb1+Lda1	5.5					
LDA1LDB1 LDA2 LDB2 LDA2 LDB2 LDA2 LDB2 LDA2 LDB1LDA1 LDB2 LDA3 Note: LDA1=375; LDB1=375; LDA2=1250; LDB2=500; LDA3=500 Total length of pull plate (L _D) on superlift mast							

Boom length(m) Assembly mode of waist rope discharge buckle main <u>chord pipe</u> of boom boom drawplate (8 pieces) **Beege** 10 m 78 再 waist rope frame chain×4(L:630) chain×2(L:3402) 6150 discharge buckle boom drawplate main chord pipe of boom (6 pieces) 84 TEn A III (D waist Φ chain×2(L:630) chain×2(L:3402) 90 rope frame 5330 discharge buckle 96 (8 pieces) main chord pipe of boom boom drawplate m-102 血 t chain (L:630) chain (L:3402) chain (L: 1890) waist rope frame 7410 108

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

Operating Range of HD\HDB Operating Condition



Hoisting Height and Operating Range Diagram

Load Charts of HDB Operating Condition

Boom len	gth36m~108	8m 📕 Co	ounterweight 1	80mt	Central balla	st 80mt	Superlift C	ounterweigh	t 0~300mt Unit: m
Boomlength	36		42		48		54		Boomlength
	15m	17m	15m	17m	15m	17m	15m	17m	radius
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
vind velocity									wind velocit

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 Ch	art of HD	B Operat	ing Condi	ition (Hoo	k Block)			
Boom leng	gth36m~108	Sm	unterweight 1	80mt	Central balla	st 80mt	Superlift C	ounterweight	0~300mt Unit: 1	
Boomlength	(60		66		72		78	Boomlength	
radius	15m	17m	15m	17m	15m	17m	15m	17m	radius	
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									wind	
velocity									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

Boom length3	6m~108m	Counterweig	ght 180mt	Central ballast	80mt Su	erlift Counterw	reight 0~300mt Unit: r
Boomlength	8	34	90	96	102	108	Boomlength
radius	15m	17m	15m	15m	15m	15m	radius
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		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.

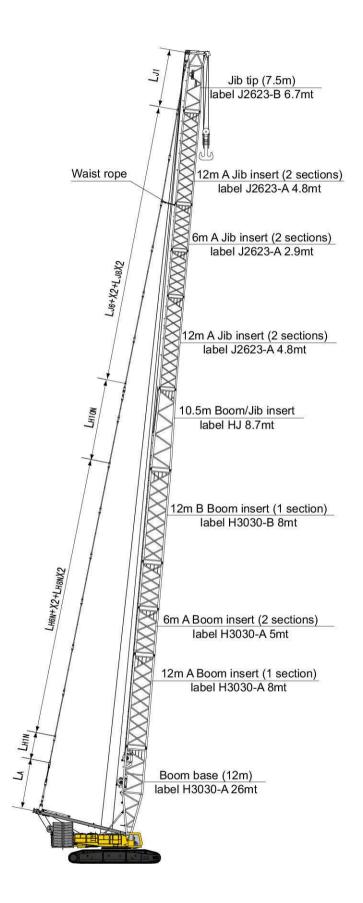
2. In operating condition with extension jib, the rate load of main hook is the value in the load chart deducting 1mt as the equivalent weight of the extension jib.

		f HD Ope rat		-1	
Boomlength	36	42 48		54	Boomlength
radius	15m	15m	15m	15m	radius
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
vind 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.

	Lo	ade Chart	of HD C)pe rating	Condition (Hook Block)	
	Boom le	ngth36m~84m	C	ounterweigh	t 180mt	Central ballast 80mt	Unit: mt
Boomlength	60	66	72	78	Boomlength	Boomlength	84
radius	15m	15m	15m	15m	radius	radius	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	3		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.





Boon	n length			Boom/jib f	rame asse	mb1y				
	66m		<	H2 H8A H6A H6A	H8B H10 J1					
	72m		<	H2 H8A H6A H6A	A H8B H10 J6A J1					
	78m		<	H2 H8A H6A H6A	H8B	H10 J6A	∲ <u>j6B</u> []j	1		
	84m		<	H2 H8A H6A H6A	H8B	H10 J6A	₽J8B	J1		
	90m		H2 H8A H6A H6A H8B H10 J6A J6B J8B J1							
	96m		H2 H8A H6A H6A H8B H10 J8A J6A J6A J1							
	102m		H2 H8A H6A H6A H8B H10 J8A J6A J6B J8B J J1							
Symbol	Length	Lab	el	Remark	Symbol	Length	Label	Remark		
H2	12m	H3030	-B 26t	boom base	J 1	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	0-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 Table of HJ Operating Condition

Note: waist rope is used to booms (ranging from 78m to 108m) at points marked with 0.

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

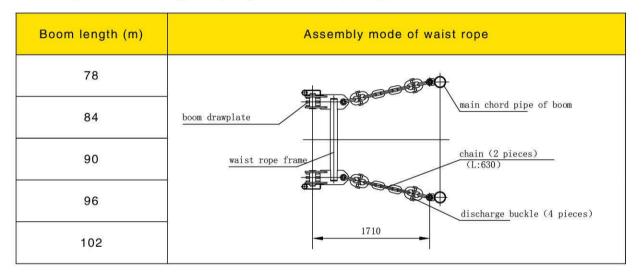
Boom length (m)	Assembly of pull plates between superlift luffing mast and connecting head	Total length of pull plate (m)			
66	66 L _A +L _{H2N} + L _{H10N} +L _{J1} +L _{H6N} × 2+L _{H8N} × 2				
72	La+Lh2N +Lh10N+LJ1+Lh6N × 2+Lh8N × 2+LJ6	70			
78	La+Lh2N +Lh10N+LJ1+Lh6N × 2+Lh8N × 2+LJ6 × 2	76			
84	La+Lh2N +Lh10N+LJ1+Lh6N × 2+Lh8N × 2+LJ6+LJ8	82			
90	La+Lh2N +Lh10N+LJ1+Lh6N × 2+Lh8N × 2+LJ6 × 2+LJ8	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			

Notes:

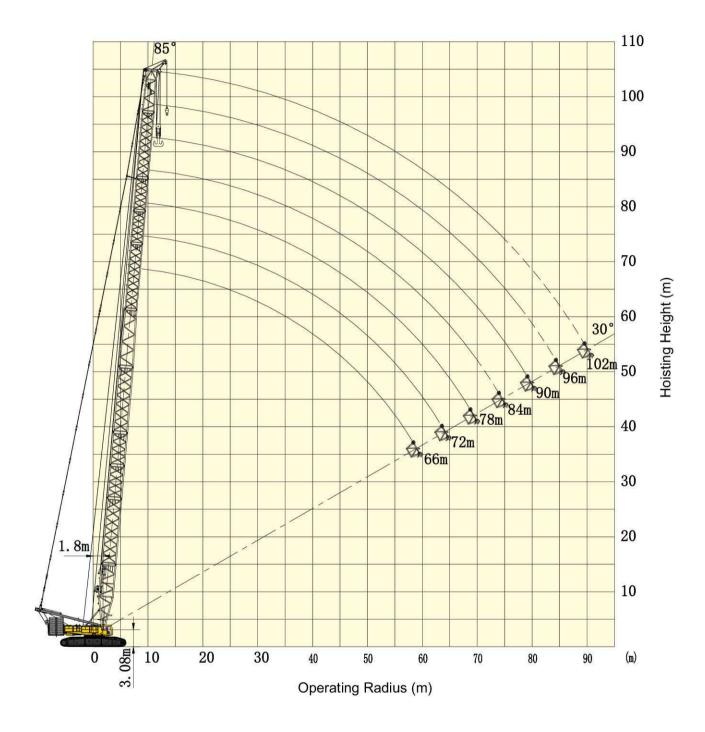
 $\begin{array}{l} L_{H2N}\text{: inner pull plate on boom base, 3.5m} \\ L_{H10N}\text{: inner pull plate on 10.5m frame, 10.5m} \\ L_{J1}\text{: pull plate on jib tip, 7.5m} \\ L_{H6N}\text{: inner pull plate on 6m middle section of boom, 6m} \\ L_{H8N}\text{: inner pull plate on 12m middle section of boom, 12m} \\ L_{J6}\text{: pull plate on 6m middle section of jib, 6m} \\ L_{J8}\text{: pull plate on 12m middle section of jib, 12m} \end{array}$

L_A: pull plate on main luffing mast, 6.5m

Assembly mode and length of pull plates in HJ oprating condition



Operating Range of HJ Operating Condition



Hoisting Height and Operating Range Diagram

Quality Changes the World

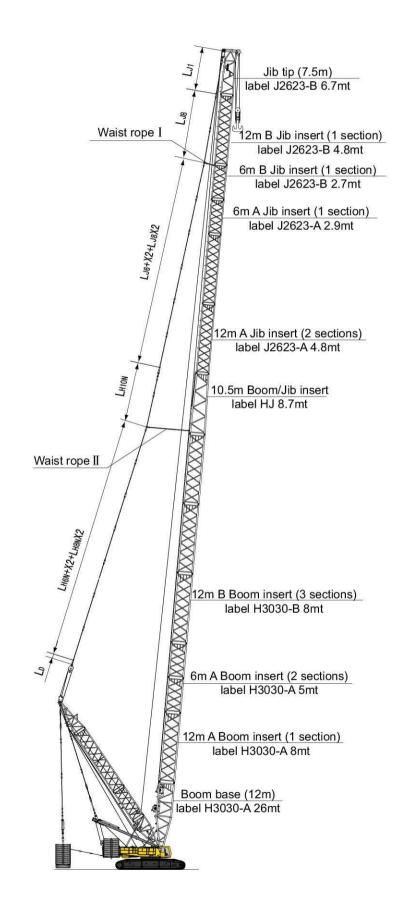
			Loade (Chart of	HJ Operating	Condition (Ho	ok Bloc	ek)		
	A	Length of 1	nixed main	boom 66m	~102m	nterweight 180mt	Ce	entral ballast	80mt	Unit: mt
length	66	72	78	84	length radius	radius	90	96	102	length radiu
9	322.3				9	12	158.6	141.1		12
10	322.3	259.0	210.1		10	13	158.6	141.1		13
11	293.1	256.4	210.1		11	14	158.6	141.1	111.2	14
12	263.9	253.8	210.1	175.8	12	16	146.3	130.8	102.0	16
14	205.5	197.6	181.0	156.0	14	18	130.8	121.5	93.7	18
16	166.6	160.2	159.1	138.3	16	20	111.2	111.2	86.5	20
18	139.5	134.2	134.2	123.8	18	22	96.8	95.8	80.3	22
20	119.0	114.4	114.4	111.3	20	24	84.5	83.9	74.2	24
22	103.8	99.3	98.8	98.3	22	26	74.7	74.2	70.0	26
24	90.9	87.4	86.8	85.8	24	28	66.4	65.9	65.4	28
26	80.6	77.0	77.0	75.9	26	30	59.2	58.7	58.2	30
28	71.9	69.2	68.6	67.6	28	34	48.6	48.0	47.5	34
30	64.9	61.9	61.4	60.8	30	38	40.2	39.6	38.9	38
34	53.5	51.1	50.6	49.7	34	42	33.3	32.4	31.8	42
38	44.9	42.6	42.1	41.2	38	46	27.6	26.8	26.2	46
42	38.0	36.0	35.5	34.3	42	50	22.9	22.0	21.4	50
46	32.3	30.5	29.8	28.6	46	54	19.1	17.6	17.5	54
50	27.6	25.8	25.2	23.9	50	58	15.8	14.9	14.2	58
54	23.7	22.0	21.3	20.1	54	62	13.0	12.1	11.4	62
58	20.4	18.8	18.1	16.7	58	64	11.7	10.8	10.2	64
62		16.1	15.3	14.0	62	66	10.6	9.7	9.0	66
66			13.0	11.6	66	67	10.1	9.1	8.3	67
70			11.0	9.6	70	70	8.5	7.5	6.8	70
74				7.9	74	71	8.0	7.0	6.3	71
75					75	73	7.1	6.1	5.4	73
						74	6.7	5.7	4.9	74
						78	5.2	4.1		78
wind velocity		12	m/s		wind velocity	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.

			Loade	Chart o	f HJ Operati	ng Coi	ndition (Hook	Block)	E.		
			Le	ngth of miz	xed main boom 661	n∼102n	n E Counterv	weight 160r	nt		Unit: m
length radius	66	72	78	84	length radius		length	90	96	102	length radiu
9	309.0				9		12	158.0	141.0		12
10	287.0	258.0	210.0		10		13	158.0	141.0		13
11	247.0	233.4	209.0		11		14	158.0	141.0	111.0	14
12	208.0	208.0	208.0	175.0	12		16	127.0	126.0	101.0	16
14	161.0	161.0	161.0	156.0	14		18	106.0	105.0	93.0	18
16	131.0	130.0	130.0	128.0	16		20	89.0	89.1	86.0	20
18	108.0	108.0	108.0	107.0	18		22	76.7	76.0	75.7	22
20	92.0	92.0	92.0	91.0	20		24	66.0	65.0	65.0	24
22	79.5	79.5	79.0	78.0	22		26	58.0	57.0	57.0	26
24	69.6	69.1	68.0	68.1	24		28	51.5	51.2	50.7	28
26	61.3	60.8	60.0	59.8	26		30	46.0	45.4	45.0	30
28	54.6	54.0	53.5	52.5	28		34	36.6	35.9	35.4	34
30	48.8	48.4	48.0	47.1	30		38	29.2	28.4	27.9	38
34	39.6	39.2	38.7	37.7	34		42	23.3	22.5	22.0	42
38	32.5	32.0	31.4	30.2	38		46	18.6	17.8	17.2	46
42	26.7	26.1	25.5	24.3	42		50	14.7	13.9	13.2	50
46	22.0	21.4	20.8	19.5	46		54	11.5	10.7	10.0	54
50	18.3	17.5	16.9	15.7	50		58	8.8	7.9	7.3	58
54	15.1	14.4	13.7	12.4	54		62	6.4	5.5	4.9	62
58	12.6	11.7	11.0	9.7	58		64	5.4			64
62		9.5	8.7	7.4	62		66	4.5			66
66			6.8	5.5	66					0	
70			5.3		70						
wind		**			wind	5	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 length	Boom/jib frame assembly
90m	
96m	
102m	H2 H8A H6A H6A H8B H8B H8B H10 J6A J6B
108m	H2 H8A H6A H6A H8B H8B H8B H10 J6A J8B II
114m	H2 H8A H6A H6A H8B H8B H8B H10 J6A J6B J1
120m	H2 H8A H6A H6A H8B H8B H8B H10 J8A J6A J8B J1
126m	✓ H2 H8A H6A H6A H8B H8B H8B H10 J8A J6A J6B J8B J1 J
132m	H2 H8A H6A H6A H8B H8B H8B H8B H10 J8A J6A J8B J1 J J
138m	H2 H8A H6A H6A H8B H8B H8B H8B H10 J8A J6A J6A J6B J8B J1 ↓

Assembly in HJD\HJDB Operating Condition

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 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		6m	J2623-B 2.7t	luffing jib middle section

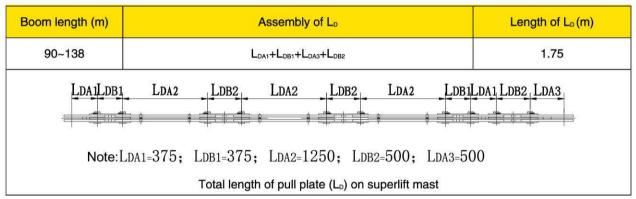
Assembly mode and length of pull plates between main luffing mast and jib tip in HJD\HJDB Operating Condition

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} ×3+ L _{J6} + L _{J8}	79.75
114	$L_{D}+L_{J1}+L_{H10N}+L_{H6N}+L_{H6N} \times 3+L_{J6} \times 2+L_{J8}$	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

Notes:

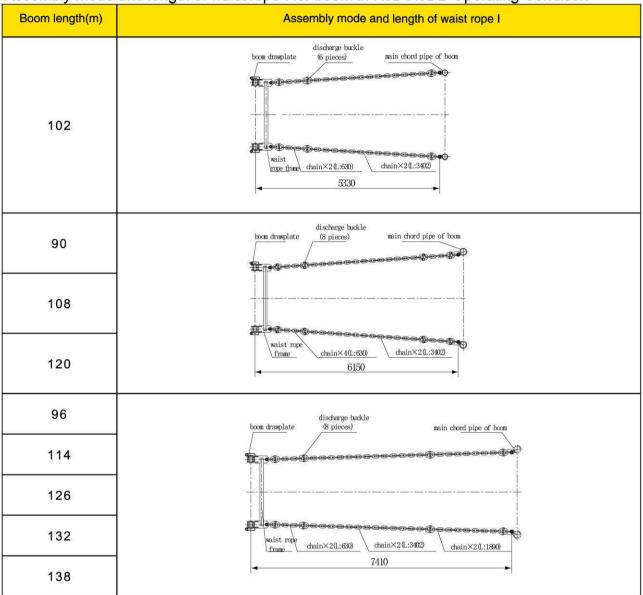
 L_{J1} : pull plate of jib tip, 7.5m L_{H10N} : inner pull plate on 10.5m frame, 10.5m L_{H6N} : inner pull plate on middle section of 6m boom, 6m L_{H8N} : inner pull plate on middle section of 12m boom, 12m L_{J6} : pull plate on middle section of 6m jib, 6m L_{J8} : pull plate on middle section of 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



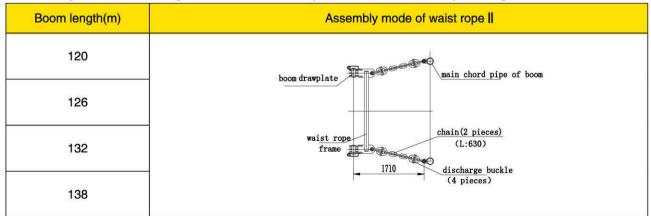
Notes 1. Waist rope I is used (1.71m) in positions indicated in Table 1.15 when the boom length is 102m, 108m, 114m, 120m or 126m.

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.

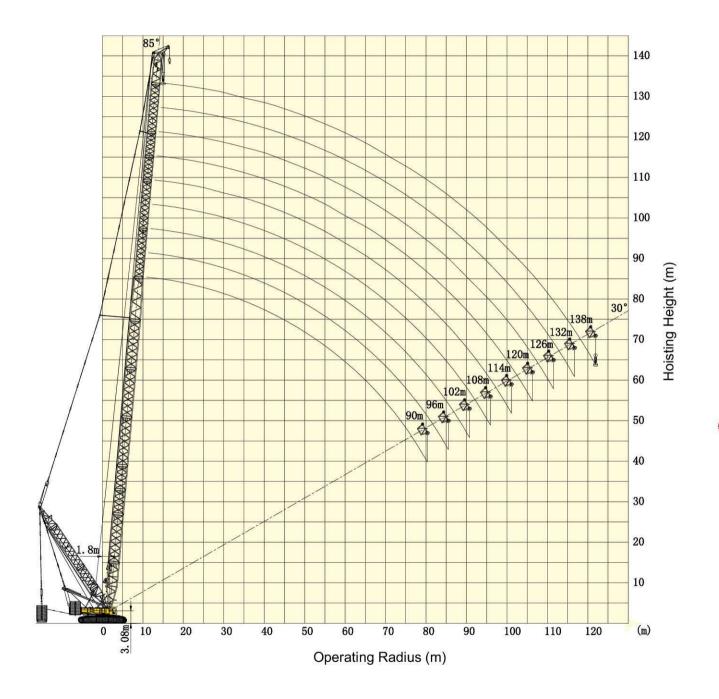


Assembly mode and length of waist rope I for boom in HJD\HJDB Operating Condition

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



Operating Range of HJD\HJDB Operating Condition



Hoisting Height and Operating Range Diagram

		Loade	Chart	of HJDB Ope	rating Condit	tion (Ho	ok Block)	
	Lengt	h of mixed n	nain boom 9	0m~138m	Superlift radius 11	m~15m	Coun	terweight 18	80mt
	Super	rlift counterv	veight $0 \sim 3$	i00mt	Central ballast 80m	it		Unit:	mt
len gth	90	96	102	length radius	len gth radius	108	114	120	length radiu
12	255.4	221.5		12	14	157.6	138.0	125.7	14
13	255.4	220.4		13	16	154.5	136.0	124.6	16
14	255.4	220.4	186.4	14	18	151.4	134.9	123.6	18
<u>16</u> 18	255.4 255.4	219.4 218.4	184.4 183.3	16 18	20 22	149.4 146.3	132.9 130.8	121.5 120.5	20
20	253.4	217.3	181.3	20	24	143.2	129.8	118.5	24
22	248.2	215.3	179.2	22	26	140.1	127.7	117.4	26
24	242.1	211.2	177.2	24	28	137.0	125.7	115.4	28
26	236.9	208.1	175.1	26	30	133.9	123.6	114.3	30
28 30	230.7 218.4	205.0 199.8	173.0 171.0	28 30	<u>34</u> 38	127.7 122.6	120.5 116.4	110.2 107.1	34
34	196.7	183.3	160.7	34	42	117.4	111.2	107.1	42
38	171.0	167.9	149.4	38	46	111.2	107.1	99.9	46
42	150.4	149.4	138.0	42	50	106.1	102.0	95.8	50
46	132.9	132.9	127.7	46	54	100.9	97.9	92.7	54
50 54	119.5 108.2	118.5 107.1	117.4 107.1	50	58 62	95.8 88.1	93.7 87.6	88.6 84.5	58 62
58	98.4	97.9	97.3	54 58	66	80.9	87.6	79.8	66
62	90.1	89.6	89.1	62	70	74.2	73.6	73.6	70
66	82.9	82.4	81.4	66	74	68.5	68.0	68.0	74
70	76.2	75.7	75.2	70	78	63.3	62.8	62.8	78
74	70.6	70.0	69.5	74	82	59.2	58.7	58.2	82
78	62.8	64.9	64.4	78	<u>86</u> 90	54.6	54.6	54.1	86
80 82		61.5 58.2	62.3 59.7	80 82	90	49.4 43.1	50.3 45.6	50.6 46.4	90
85		30.2	55.4	85	96	43.1	43.4	44.3	96
86			54.1	86	98		41.2	42.2	98
90			48.6	90	101			39.1	101
				Ĵ.	102			38.2	102
ind valuation		12m/a	6	mind volastiv	106		12ma/a	34.3	106
ind velocity		12m/s		wind veloctiy	wind velocity		12m/s		wind veloct
length	126	132	138	length					
adius		100-00-000		radius					
16	112.3	98.9	84.5	16					
18 20	<u>111.2</u> 111.2	97.9 96.8	82.4 81.4	18 20					
20	111.2	95.8	80.3	20					
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 38	104.0	89.6 88.6	73.1 70.0	34 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 70	79.3 73.1	75.2	50.5 47.4	66 70					
74	67.5	66.4	43.3	70					
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 94	50.2	48.9	33.9	90 94					
94	46.4 42.5	45.0	32.9 31.8	94					
102	38.8	38.0	30.7	102					
	35.2	34.6	29.7	106					
106	31.6	31.3	28.6	110					
110		30.5	28.3	111					
110 111									
110 111 114		28.1	27.6	114					
110 111 114 116			27.6 26.4	114 116					
110 111 114			27.6	114					

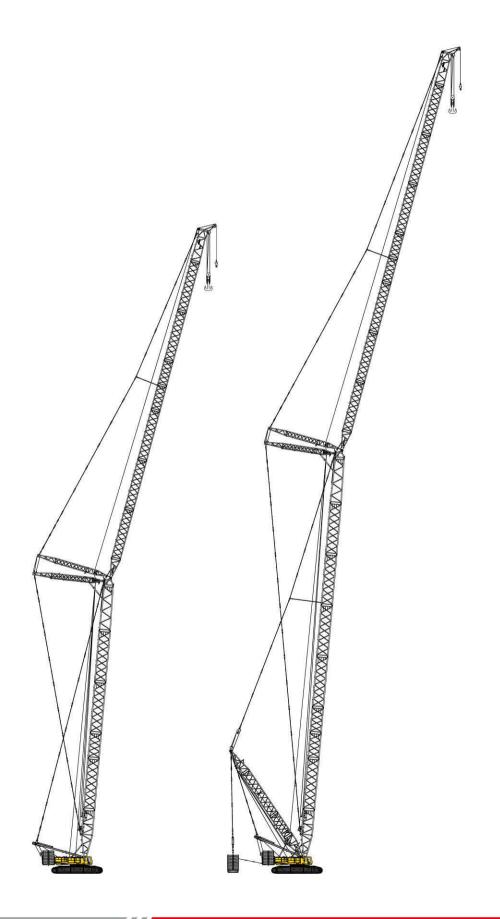
Notes: 1. The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

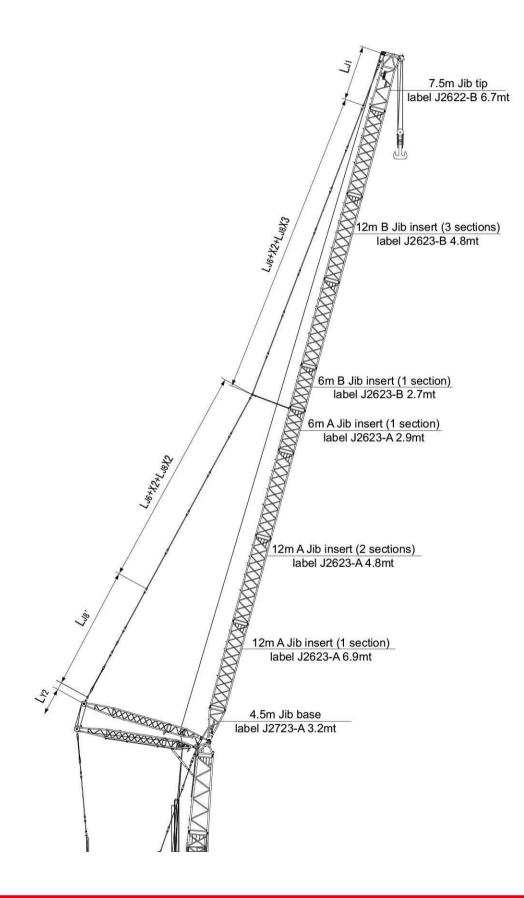
		Loade C	Chart of I	HJD Operat	ting Conditi	<mark>on (Hoo</mark>	<mark>k Block</mark>))	
Length o	of mixed main	boom 90m~1	38m	Superlift radius 11r	n~15m	ounterweight 1	80mt C	entral ballast	80mt Unit: mt
length radius	90	96	102	length radius	length	108	114	120	length radius
12	246.2	213.2		12	14	151.4	132.9	122.6	14
13	226.6	210.6		13	16	147.3	129.8	120.5	16
14	208.1	208.1	178.2	14	18	139.1	127.7	118.5	18
16	167.9	167.9	167.9	16	20	117.4	117.4	115.4	20
18	140.1	140.1	140.1	18	22	102.0	101.5	101.5	22
20	119.5	119.5	118.5	20	24	88.6	88.6	88.6	24
22	103.0	103.0	102.5	22	26	78.3	77.8	77.8	26
24	90.6	90.1	89.6	24	28	69.5	69.0	69.0	28
26	79.8	79.3	79.3	26	30	61.8	61.8	61.3	30
28	71.1	70.6	70.0	28	34	50.2	49.9	49.7	34
30	63.9	63.3	62.8	30	38	40.9	40.5	40.3	38
34	52.0	51.5	51.1	34	42	33.4	33.0	32.7	42
38	43.0	42.4	42.0	38	46	27.2	26.8	26.6	46
42	35.5	34.9	34.4	42	50	22.1	21.7	21.4	50
46	29.6	28.8	28.3	46	54	17.9	17.5	17.2	54
50	24.5	23.9	23.3	50	.58	14.4	13.9	13.6	58
54	20.4	19.7	19.1	54	62	11.3	10.8	10.6	62
58	16.9	16.2	15.6	58	66	8.7	8.1	7.9	66
62	13.9	13.1	12.5	62	70	6.4	5.9	5.6	70
66	11.3	10.5	9.9	66	74	4.3			74
70	9.1	8.2	7.6	70					
74	7.1	6.3	5.6	74					
78	5.5	4.5		78					
ind velocity		12/m/s		wind velocity	wind velocity		12/m/s		wind velocit
length	126	132	138	length					
16	109.2	94.8	81.4	16					

length	126	132	138	length
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.





luffing jib length	boom/jib frame assembly
24m	J2 🖂 J8'A J1
30m	J2 18'A J6A J1
36m	J2 18'A J6A J6B J1
42m	J2 🖂 J8'A J8A J6A J1
48m	J2 🖂 J8'A J8A J8A J1
54m	J2 🖂 J8'A J8A J8A J6A J1
60m	J2 🖂 J8'A J8A J8A J6A J6A J6B J
66m	J2 🖂 J8'A J8A J8A J6A J8B J 1
72m	J2 🖂 J8'A J8A J8A J6A J6B J8B J1
78m	J2 🖂 J8'A J8A J8A J6A J8B J8B J1
84m	J2 🖂 J8' AJ8AI8AJ6A /J6BJ8BJ8BJ8BJ
90m	J2 🖂 J8'A J8A J8A J6A J8B J8B J8B J1
96m	J2 <mark>∽]8' A _]8A _]6A]6B _]8B _]8B _]8B]</mark> J1

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

Notes: 1.Waist rope I is used in the points marked with 0, 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
 J1	7.5m	J2622-B 5t	luffing jib tip	J6A	6m	J2623-A 2.9t	luffing jib middle section
J8A	12m	J2623-A 4.8t	luffing jib middle section	J6B	6m	J2623-B 2.7t	luffing jib middle section
J8' A	12m	J2623-A 6.9t	luffing jib middle section	J2 🖾	4.5m	J2723-A 3.2t	luffing jib base
J8B	12m	J2623-B 4.8t	luffing jib middle section			а. — — — — — — — — — — — — — — — — — — —	

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
Length of fulling jib (m)	Assembly of pull plate between jib strut and fulling jib tip	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

Notes:

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

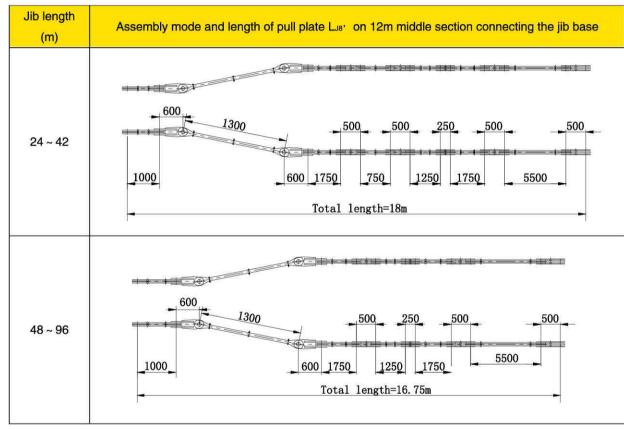
L_{J6}: pull plate on middle section of 6m jib, 6m

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

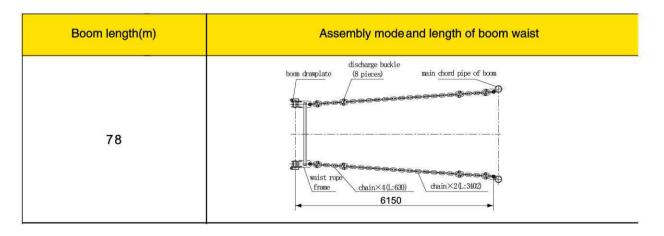
 L_{Y2} : pull plate on aux. luffing front mast, 1m

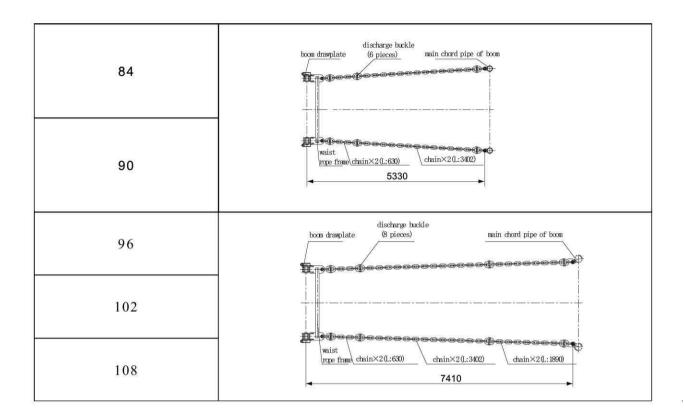
 $L_{\mbox{\tiny J8}}$: pull plate on the 12 m middle section for connection of jib base

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

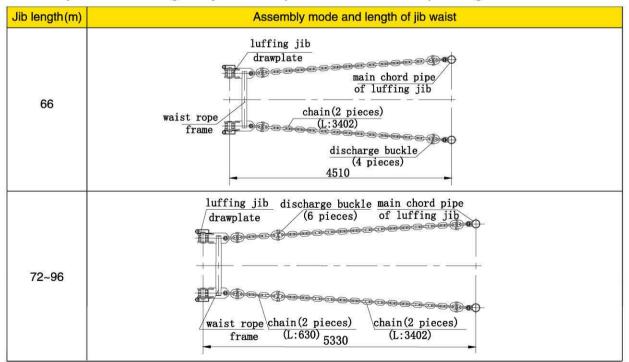


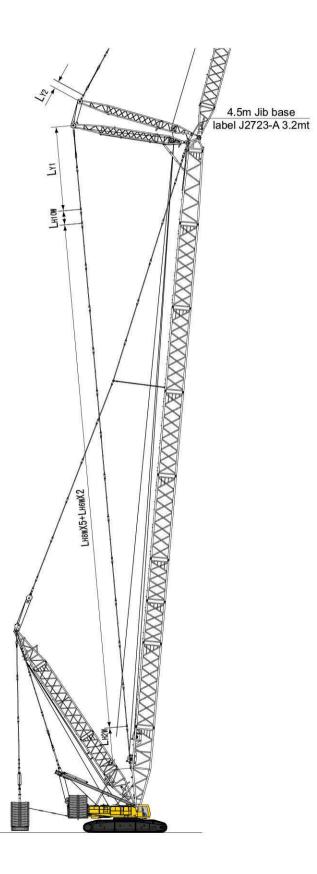
Assembly mode and length of boom waist rope in LJD\LJDB Operating Condition





Assembly mode and length of jib waist rope in 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	Ly1+ LH10W + LH6W + LH2W	27.75
36	L _{Y1} + L _{H10W} + L _{H6W} × 2+ L _{H2W}	33.75
42	Ly1+ LH10W + LH6W+ LH8W + LH2W	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:

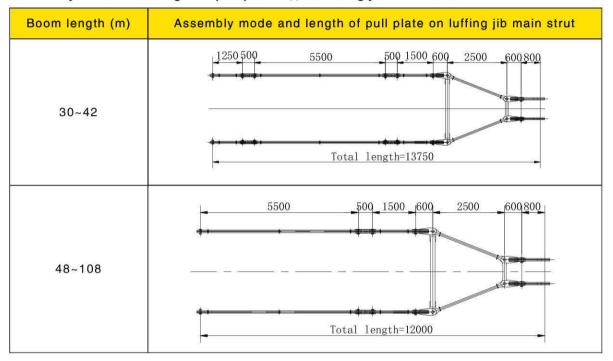
L_{H2W}: outer pull plate on boom base

 $L_{\rm H10W}\!\!:$ 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

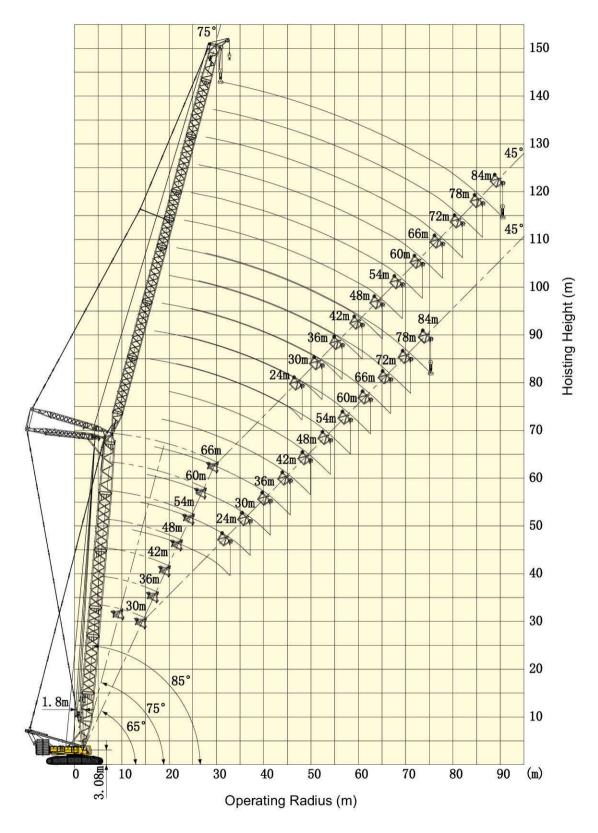
L_{Y1}: pull plate on luffing jib main strut



Assembly mode and length of pull plate Ly1 on luffing jib main strut



Operating Range Diagram of LJ Operating Condition



Hoisting Height and Operating Range Diagram

			В	oom 30n	n H	Coun	terweigh	it 180n	nt 🏨	Cer	itral ba	illast 8	0mt				Unit:	mt
Jib dius <u>length(m</u>)		24			30			36	12		42			48		T	54	
m) Boom	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65	85°	75°	65
angle 14	218.4		(0) (0)			10.00	0.0		205		- 200			5.90				
16	180.6			179.6							_							
18	152.3			151.2			151.2											
20	132.3			131.3			130.2		i.	129.2								
22	116.6	97.1		115.5		-	114.5			113.4			112.4		-	07.0	-	-
24 26	103.4 93.5	87.2		102.9 92.4	86.1	1	101.9 91.9		7	100.8 90.3			100.3 89.8	<u> </u>		97.8 87.9		-
28	84.5	79.3		84.0	78.2	4 4 17	83.0		÷	81.9			81.4		1	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	52.0	64.1	59.3	,	63.0	58.3		62.5	57.2	<u> </u>	60.8	-	-
36 38			53.0 49.6		56.2 52.3	52.0 48.4	59.5 55.1	55.1 51.2		58.5 54.1	53.6 50.1		58.0 53.6	53.0 49.1	-	56.4 52.0	47.4	╟
38 40			49.0		52.5	45.2	53.1	47.9	43.9	50.8	46.6		50.1	49.1		48.6	44.0	┢
40						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			35.9	
50									32.2		34.1	31.0	36.6	33.2	29.9		31.6	28
54 56						-	-		-			27.6	;	29.6 28.1	26.6		28.1	24
58											-		_	20.1	23.6		25.2	21
62						e e											22.6	19
66						(r)			Î									17
nd velocity									10m/s									
Jib lengt	h(m)		60			66				72			7	8			84	
(m) Boon angl		85°	75°	65°	85°	75°	65°	8	5°	75°	65°	85°	75	5° (55°	85°	75°	6
26		86.8																
28		78.5			78.0													
30		71.2			70.1	24		_	69.0									
34		59.8			59.3	3			57.7			57.2	2			56.1		
38		51.4			50.0				48.9			48.7				47.8		
40			43.2		47.2	<u> </u>		_	45.5			45.3				44.3		
42		44.4	40.1		43.8	_		-	42.1			41.9	_			40.9		
44			37.4	$ \square$	41.0	100 100 100 100 100 100 100 100 100 100		-	39.3			39.1	_			38.1		
46			35.0		38.2			_	36.7	32.5		36.4		_		35.4		
50			30.8	$ \vdash \downarrow$	33.0				32.1	28.3		31.8			\rightarrow	30.9	24-	
52		32.3			31.7		-			26.4			26	0.000		28.9	2023241212805	
			27.2	23.6	29.8	00 ///00/00/00/00	_	-		24.6		28.0				27.1	23.0	
54		and the second se	24.1	20.7	26.0		-	_	25.1	21.4	16.6	24.8		_	_	23.7	19.8	-
54 58		24.5	21.4 19.1	18.2	23.8		_	_	22.2	18.7	15.5	21.9	_			20.8	17.1	-
54 58 62			191	16.1	21.4		_	_	19.8	16.5	13.4				2.8	18.2	14.8	-
54 58 62 66				150		17.2	_	_	18.6 17.6	15.5 14.5	12.4				1.8 1.0	17.1 16.1	13.8	0
54 58 62 66 68			18.1	15.2		_	1 2 2		1.0	147	11.5	17.1	14	.0 1 1	1.01	10.1	12.8	9
54 58 62 66 68 70				15.2 14.2		16.1	13.2	_			0.0	15 0	10	2				
54 58 62 66 68 70 74						_	11.6	_	15.8	12.8	9.9				9.4	14.1	11.0	8
54 58 62 66 68 70 74 78						16.1	_	_		12.8 11.2	8.5	13.6	5 10	.7	9.4 7.9	14.1 12.4	11.0 9.5	6
54 58 62 66 68 70 74 78 80						16.1	11.6	_		12.8	8.5 7.9	13.6	5 10 10	.7 .0	9.4 7.9 7.3	14.1 12.4 11.6	11.0 9.5 8.8	8 6 6
54 58 62 66 68 70 74 78 80 82						16.1	11.6	_		12.8 11.2	8.5	13.6	5 10 10 9	.7 .0 .3	9.4 7.9 7.3 6.7	14.1 12.4 11.6 10.9	11.0 9.5 8.8 8.0	8 6 5
54 58 62 66 68 70 74 78 80						16.1	11.6	_		12.8 11.2	8.5 7.9	13.6	5 10 10 9	.7 .0 .3 .7	9.4 7.9 7.3	14.1 12.4 11.6	11.0 9.5 8.8	8 (

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	36m	Co	unterwei	ght 180	mt 📕	E Ce	ntral ba	illast 80	mt				Unit	: mt
Jib adius length(m)		24	<u>N</u>		30			36	2		42			48		Τ	54	
(m) 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	1	2	128.1			111.2			2		-
22 24	115.5 102.9		-	114.5 101.9	-		113.4 101.3		-	112.4	-		111.3 99.2			97.2		-
24	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	10.0	
40					47.3	42.6		46.2	205	50.3	45.0		49.7	44.1	-	48.0	42.3	-
42 46		-	-			39.9 35.2		43.3 38.2	38.5 33.9	47.0	42.1 37.0	32.7	46.3	41.2 36.0	-	44.6	39.4 34.4	\vdash
50			-			55.4		30.2	30.0	41.5	32.9	28.8	36.1	31.9	27.5		30.3	⊢
52		-			-				50.0		31.0	27.0	50.1	30.0	25.8		28.5	\vdash
54												25.4		28.5	24.3		26.8	22
58												22.7		25.5	21.4		23.8	19
62															19.1		21.2	17
64																	20.1	16
66																		15
70																		13
wind velocity									10m/s	5		1						
adius lengt			60			66				72	1		78	3			84	
(m) Boom angl	e 8	5	75°	65°	85°	75°	65°	85	0	75°	65°	85°	75	° 6	5°	85°	75°	63
26		6.3							_		-		-		_			
28		8.0			77.0													
30		0.7			70.2				68.0				-					
34		9.3			58.8			5	6.7			56.7			2.4	55.6		
38	5	0.8			50.0			4	8.4			48.1			9	47.2		
42	4	3.9	38.6		43.3	1 N		4	1.6			41.4				40.4		
44			36.0		40.5	Contraction of the second			8.8			38.6				37.6		
46	3	8.4	33.6		37.8	32.8		3	6.2			35.8				34.9		
48			31.4		35.5					28.7		33.6				32.7		
50		3.9	29.4		33.2	28.5		3	1.6	26.7		31.4	26.	2		30.4		
54			25.8		29.3	24.9				23.1		27.6					21.4	
58	2	6.9	22.8	18.5	26.2	21.7		2	4.7	20.1		24.3	19.	6		23.3	18.3	
62			20.1	16.1	23.4		15.1			17.4		21.4					15.8	
66			17.9	14.1	21.0	_	13.0	1	_	15.2	11.3	19.0					13.5	
			16.0	12.4		15.0	11.3		_	13.3	9.6	16.7	-				11.5	
				10.9		13.3	9.8			11.5	8.0	14.8	_			13.7	9.8	6
70						1	8.5			10.1	6.8	13.2	_	_	_	11.9	8.3	4
70 74				1		1			-	9.5	6.2		8.			11.2	7.6	4
70 74 78						1					5.6		8.			10.5	7.0	25
70 74 78 80	1		- 1									<u> </u>	_	_				
70 74 78 80 82				-					1		5.2			6 4	141	98	64	
70 74 78 80 82 84						_			_		5.2		7.		1.4	9.8	6.4 5.8	
70 74 78 80 82 84 86											5.2 4.6		7.		1.4	9.8 9.2	5.8	
70 74 78 80 82 84											_		_		1.4			

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.

					oad Ch					-	_		OK D	iver)	0				
				A	Boom	42m	C	ounterwe	ight 180	Omt	C	entral b	allast 8	0mt				Un	ut: n
adius			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		177.5 150.2			149.1								,					-	
18		130.2	-	7. 	129.2			128.1		1	-	-		-				-	+
20		114.5		1	113.4			112.4	-		111.3				-			-	+
24		101.9		-	101.3			100.3		-	99.2			98.2			96.2		
26	5	91.9	82.4		90.8			90.3			88.7			88.2			86.3	Î	
28		83.0	74.6		82.4	(7.0		81.4			80.3			79.8			77.5	_	
30			68.3 62.5		75.1 69.3	67.2 61.4		74.6 68.8	60.4		73.5			72.5			70.7	-	┢
34			57.8		63.5	56.7		63.0	55.1	-	62.0	-		60.7			59.3	-	┢
36	_		53.6		00.0	52.5		58.5	51.5		57.4	50.2		56.7			55.0		
38	8			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	3	49.0	42.3		47.4		
42				38.6		42.6	37.3		41.6	21.2	46.4	40.4		45.7	39.5		44.1	37.8	
46							32.8		36.6	31.3 29.3	41.0	35.4 33.3		40.2 37.9	34.5 32.3		38.6	32.9	┢
50									54.5	27.5		31.4	26.0	35.7	30.5		34.1	28.7	┢
54										24.4		28.0	22.9	50.1	27.0	21.6	30.4		┢
58													20.3		24.0	19.0	27.2		17
60)														22.8	17.9		21.2	16
62				2												16.8		19.8	15
64				7) 41		-				-				_		15.9		18.6	
<u>66</u> 70			-			-	-			-	-			-		14.9			13
nd ve	elocity										10m/s								
	Jib	_																	
dius		m)	e	50			66			7	2			78				84	
	length (Boom	m) 85		50 75°	65°	85°	66 75°	65°	85°	. 1	72 75°	65°	85°	78 75°	65	i° 8	5°	84 75°	65
)	length(Boom angle	85	° 7		65°	85°	20122	65°	85°	. 1		65°	85°		65	° 8	5°	10000	65
) 2	length(Boom angle 26	85	° 7 .3		65°		20122	65°	85°	. 1		65°	85°		9 65	¹⁰ 8	:5°	10000	65
2	length (Boom angle 26 28	85 85 77	° 7 .3 .0		65°	76.4	20122	65°		>		65°	85°		65	i° 8	:5°	10000	65
22	length(Boom angle 26 28 30	85 85 77 69	• 7 .3 .0 .7		65°	76.4 69.2	20122	65°	67	7.5		65°			9 65			10000	65
2 2 3 3	length (n Boom angle 26 28 30 34	85 85 77	° 7 .3 .0 .7 .8		65°	76.4	20122	65°	67	>		65°	85° 55.6 47.5		65	54	4.5 6.5	10000	65
2 2 3 3 3	length (n Boom angle 26 28 30 34 38	85 85 77 69 58	° 7 .3 .0 .7 .8 .1		65°	76.4 69.2 57.7	20122	65°	67 50 47	7.5		65°	55.6 47.5		, 65	54	4.5	10000	65
2 2 3 3 3 3 4	length (1 Boom angle 26 28 30 34 38 38	85 85 77 69 58 50	° 7 .3 .0 .7 .8 .1 .4		65°	76.4 69.2 57.7 49.4	20122	65°	67 56 47 41	7.5 5.1 7.8		65°	55.6		65	54 40 39	4.5	10000	65
2 2 3 3 3 3 4 4	length (n Boom angle 26 28 30 34 38	85 85 77 69 58 50 43	° 7 .3 .0 .7 .8 .1 .4 .6 3	75°	65°	76.4 69.2 57.7 49.4 42.6	20122	65°	67 56 47 41 38	7.5 5.1 7.8 1.0		65°	55.6 47.5 40.8		, 65	54 40 39 31	4.5 6.5 9.7	10000	65
) 2 3 3 3 3 4 4 4	length (r Boom angle 26 28 30 34 38 42 44 44	85 85 77 69 58 50 43 40 37	° 7 .3 .0 .7 .8 .1 .4 .6 .9 .3	4.3	65°	76.4 69.2 57.7 49.4 42.6 39.8	75°	65°	67 56 47 41 38 35	7.5 5.1 7.8 1.0 3.3 5.6		65°	55.6 47.5 40.8 38.0		, 65	54 40 39 3' 34	4.5 6.5 9.7 7.0 4.4	10000	65
2 2 3 3 3 3 3 4 4 4 4 5	length () Boom angle 26 28 30 34 38 42 44 46 50	85 85 77 69 58 50 43 40 37	° 7 .3 .0 .7 .8 .1 .4 .4 .6 .9 .3 .4 .2	4.3 1.9	65°	76.4 69.2 57.7 49.4 42.6 39.8 37.1	75°	65°	67 56 47 41 38 35 31	7.5 5.1 7.8 1.0 3.3 5.6 1.1	75°	65°	55.6 47.5 40.8 38.0 35.3			54 44 39 3 ² 29	4.5 6.5 9.7 7.0	10000	65
) 2 2 3 3 3 3 3 4 4 4 4 5 5 5	length () Boom angle 26 28 30 34 38 42 44 46 50 52	85 85 77 69 58 50 43 40 37 33	 7 .3 .0 .7 .8 .1 .4 .6 .9 .3 .4 .2 .5 .2 	4.3 1.9 7.8	65°	76.4 69.2 57.7 49.4 42.6 39.8 37.1 32.7	75° 30.9 26.7	65°	67 50 47 41 38 35 31 29	7.5 5.1 7.8 1.0 3.3 5.6 1.1 9.3	75° 24.8	65°	55.6 47.5 40.8 38.0 35.3 30.9	75°	7	54 40 39 3' 3' 29 2'	4.5 6.5 9.7 7.0 4.4 9.8 7.9	10000	65
) 2 3 3 3 3 3 3 4 4 4 4 4 5 5 5 5	length () Boom angle 26 28 30 34 38 42 44 46 50	85 85 777 69 58 50 43 40 377 33 31	 7 .3 .0 .7 .8 .1 .4 .6 .4 .2 .5 .6 .2 	4.3 1.9 7.8 5.9	65°	76.4 69.2 57.7 49.4 42.6 39.8 37.1 32.7 30.8	75° 30.9 26.7 24.9	65°	67 56 47 41 38 35 31 29 27	7.5 5.1 7.8 1.0 3.3 5.6 1.1 9.3 7.4	75° 24.8 23.1	65°	55.6 47.5 40.8 38.0 35.3 30.9 28.9	75°	7	54 40 39 3' 3' 20 2' 20	4.5 6.5 9.7 7.0 4.4 9.8 7.9 6.0	75°	65
) 22 22 3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4	Length (1 Boom angle 26 28 30 33 4 38 38 42 44 46 50 52 54 55 4	85 85 77 69 58 50 43 40 37 33 31 29	° 7 .3 .0 .7 .8 .1 .4 .6 3 .9 3 .4 2 .5 2 .6 2 .4 2	4.3 1.9 7.8 5.9 4.2 1.2	65°	76.4 69.2 57.7 49.4 42.6 39.8 37.1 32.7 30.8 28.9	75° 30.9 26.7 24.9 23.2	65°	67 56 47 41 38 35 31 29 27 24	7.5 5.1 7.8 1.0 3.3 5.6 1.1 2.3 7.4 4.2	75° 24.8 23.1 21.4	65°	55.6 47.5 40.8 38.0 35.3 30.9 28.9 27.1	75°	7	54 40 39 37 34 29 20 20 20 20	4.5 6.5 9.7 7.0 4.4 9.8 7.9 6.0 2.6	75°	65
) 22 23 33 33 33 33 33 33 44 44 44 45 55 55 55 55 55 55 55 55 55	length () Boom angle 26 28 30 34 38 42 44 46 50 52 54	85 85 77 69 58 50 43 40 37 33 31 29 26	° 7 .3 .0 .7 .8 .1 .4 .4 .4 .5 .2 .6 .2 .6 .2 .4 .2 .4 .2 .7 .1	4.3 1.9 7.8 5.9 4.2 1.2 8.7		76.4 69.2 57.7 49.4 42.6 39.8 37.1 32.7 30.8 28.9 25.7	75° 30.9 26.7 24.9 23.2 20.3		67 56 47 41 38 35 31 29 27 22 22 21	7.5 5.1 7.8 1.0 3.3 5.6 1.1 9.3 7.4 4.2 1.3	75° 24.8 23.1 21.4 18.5	65°	55.6 47.5 40.8 38.0 35.3 30.9 28.9 27.1 23.8	75° 22.7 21.0 18.0	7	54 40 39 3' 3' 20 2' 20 2' 20 2' 19	4.5 6.5 9.7 7.0 4.4 9.8 7.9 6.0 2.6 9.7	75°	65
) 22 23 33 33 33 33 33 33 44 44 44 44 44 55 55 55 55 55 55 55 55	length (j Boom angle 26 28 30 34 38 42 44 46 50 52 54 55 52 55 52 56	85 85 77 69 58 50 43 40 37 33 31 29 26	° 7 .3 .0 .7 .8 .1 .4 .6 .3 .4 .2 .5 .2 .6 .2 .4 .2 .7 1 .1 .1	4.3 4.3 1.9 7.8 5.9 4.2 1.2 8.7 6.5	13.8	76.4 69.2 57.7 49.4 42.6 39.8 37.1 32.7 30.8 28.9 25.7 23.0	75° 30.9 26.7 24.9 23.2 20.3 17.7	12.8	67 56 47 41 38 35 31 29 27 22 22 21 18	7.5 5.1 7.8 1.0 3.3 5.6 1.1 2.3 7.4 4.2 1.3 3.8	75° 24.8 23.1 21.4 18.5 16.0		55.6 47.5 40.8 38.0 35.3 30.9 28.9 27.1 23.8 20.9	75° 22.7 21.0 18.0	7	54 40 39 3' 32 20 20 20 20 20 20 20 20 20 20 20 20 20	4.5 6.5 9.7 7.0 4.4 9.8 7.9 6.0 2.6 9.7 7.3	75° 19.6 16.7 14.3	65
) 2 2 2 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 5 5 5 5 5 5 5 5 5 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7	length (r Boom angle 26 28 30 34 38 42 44 46 50 52 54 55 52	85 85 77 69 58 50 43 40 37 33 31 29 26	° 7 .3 .0 .7 .8 .1 .4 .6 .3 .4 .2 .5 .2 .6 .2 .4 .2 .7 1 .1 .1	4.3 4.3 1.9 7.8 5.9 4.2 1.2 8.7 6.5	13.8	76.4 69.2 57.7 49.4 42.6 39.8 37.1 32.7 30.8 28.9 25.7 23.0 20.5	75° 30.9 26.7 24.9 23.2 20.3 17.7 15.5	12.8 10.9	67 56 47 41 38 35 31 29 27 22 22 21 18	7.5 5.1 7.8 1.0 3.3 5.6 1.1 9.3 4.2 1.3 3.8 5.7	75° 24.8 23.1 21.4 18.5 16.0 13.8	9.1	55.6 47.5 40.8 38.0 35.3 30.9 28.9 27.1 23.8 20.9 18.4	75° 22.7 21.0 18.0 13.4	7 7 0 0 5 4 4 6.	54 40 39 3' 32 20 20 20 20 20 20 20 20 20 20 20 20 20	4.5 6.5 9.7 7.0 4.4 9.8 7.9 6.0 2.6 9.7 7.3	75° 19.6 16.7 14.3 12.1	65
) 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	Length (1 Boom angle 26 28 30 34 38 42 44 46 50 52 54 55 52 55 52 55 52 56 66 70 74	85 85 77 69 58 50 43 40 37 33 31 29 26	° 7 .3 .0 .7 .8 .1 .4 .6 .3 .4 .2 .5 .2 .6 .2 .4 .2 .7 1 .1 .1	4.3 4.3 1.9 7.8 5.9 4.2 1.2 8.7 6.5	13.8 12.0 10.3	76.4 69.2 57.7 49.4 42.6 39.8 37.1 32.7 30.8 28.9 25.7 23.0 20.5	75° 30.9 26.7 24.9 23.2 20.3 17.7 15.5 13.6	12.8 10.9 9.3	67 56 47 41 38 35 31 29 27 22 22 21 18	7.5 5.1 7.8 1.0 3.3 5.6 1.1 9.3 4.2 1.3 3.8 5.7	75° 24.8 23.1 21.4 18.5 16.0 13.8 11.9	9.1 7.5	55.6 47.5 40.8 38.0 35.3 30.9 28.9 27.1 23.8 20.9 18.4 16.3	75° 22.7 21.0 15.6 13.4 11.4	7 7 0 0 5 4 4 6. 3 5.	54 40 39 37 32 20 20 20 20 20 20 20 20 20 20 20 20 20	4.5 6.5 9.7 7.0 4.4 9.8 7.9 6.0 2.6 9.7 7.3 5.1	75° 19.6 16.7 14.3 12.1 10.1	65
) 22 23 33 33 33 33 33 33 34 44 44 4	Length (1 Boom angle 26 28 30 34 38 42 44 50 52 54 55 52 55 52 55 52 55 52 55 52 55 52 55 52 55 52 55 52 55 70 74	85 85 77 69 58 50 43 40 37 33 31 29 26	° 7 .3 .0 .7 .8 .1 .4 .6 .3 .4 .2 .5 .2 .6 .2 .4 .2 .7 1 .1 .1	4.3 4.3 1.9 7.8 5.9 4.2 1.2 8.7 6.5	13.8 12.0 10.3 8.9	76.4 69.2 57.7 49.4 42.6 39.8 37.1 32.7 30.8 28.9 25.7 23.0 20.5	75° 30.9 26.7 24.9 23.2 20.3 17.7 15.5 13.6 12.1	12.8 10.9 9.3 7.8	67 56 47 41 38 35 31 29 27 22 22 21 18	7.5 5.1 7.8 1.0 3.3 5.6 1.1 9.3 4.2 1.3 3.8 5.7	75° 24.8 23.1 21.4 18.5 16.0 13.8 11.9 10.3	9.1 7.5 6.1	55.6 47.5 40.8 38.0 35.3 30.9 28.9 27.1 23.8 20.9 18.4 16.3 14.3	75° 22.7 21.0 15.6 13.4 11.4 9.8	7 0 0 5 4 4 6. 3 5. 1 4.	544 554 440 333 343 222 22 22 22 22 19 11 11 19 1: 54 8 1: 54 1: 1: 54 1: 1: 54 1: 1: 54 1: 1: 54 1: 1: 54 1: 1: 54 1: 1: 54 1: 1: 54 1: 1: 54 1: 1: 54 1: 1: 54 1: 1: 54 1: 1: 54 1: 1: 54 1: 1: 1: 1: 1: 1: 1: 1: 1: 1:	4.5 6.5 9.7 7.0 4.4 9.8 7.9 6.0 2.6 0.2.6 5.1 3.1	75° 19.6 16.7 14.3 12.1 10.1 8.5	65
) 22 23 33 33 33 33 33 33 34 44 44 4	Length (1 Boom angle 26 28 30 34 38 42 44 46 50 52 54 55 52 55 52 55 52 56 66 70 74	85 85 77 69 58 50 43 40 37 33 31 29 26	° 7 .3 .0 .7 .8 .1 .4 .6 .3 .4 .2 .5 .2 .6 .2 .4 .2 .7 1 .1 .1	4.3 4.3 1.9 7.8 5.9 4.2 1.2 8.7 6.5	13.8 12.0 10.3 8.9 8.3	76.4 69.2 57.7 49.4 42.6 39.8 37.1 32.7 30.8 28.9 25.7 23.0 20.5	75° 30.9 26.7 24.9 23.2 20.3 17.7 15.5 13.6 12.1	12.8 10.9 9.3 7.8 7.2	67 56 47 41 38 35 31 29 27 22 22 21 18	7.5 5.1 7.8 1.0 3.3 5.6 1.1 9.3 4.2 1.3 3.8 5.7	75° 24.8 23.1 21.4 18.5 16.0 13.8 11.9 10.3 9.6	9.1 7.5 6.1 5.5	55.6 47.5 40.8 38.0 35.3 30.9 28.9 27.1 23.8 20.9 18.4 16.3 14.3 13.5	75° 22.7 21.0 15.6 13.4 11.4 9.8 9.1		54 44 33 34 22 22 22 22 22 22 22 22 22 22 22 22 22	4.5 6.5 9.7 7.0 4.4 9.8 7.9 6.0 2.6 6.0 9.7 7.3 5.1 3.1 2.3	75° 19.6 16.7 14.3 12.1 10.1 8.5 7.8	65
) 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5	Length (1 Boom angle 26 28 30 34 38 42 44 50 52 54 55 52 55 52 55 52 55 52 55 52 55 70 74 76 78	85 85 77 69 58 50 43 40 37 33 31 29 26	° 7 .3 .0 .7 .8 .1 .4 .6 .3 .4 .2 .5 .2 .6 .2 .4 .2 .7 1 .1 .1	4.3 4.3 1.9 7.8 5.9 4.2 1.2 8.7 6.5	13.8 12.0 10.3 8.9 8.3	76.4 69.2 57.7 49.4 42.6 39.8 37.1 32.7 30.8 28.9 25.7 23.0 20.5	75° 30.9 26.7 24.9 23.2 20.3 17.7 15.5 13.6 12.1	12.8 10.9 9.3 7.8 7.2 6.6	67 56 47 41 38 35 31 29 27 22 22 21 18	7.5 5.1 7.8 1.0 3.3 5.6 1.1 9.3 4.2 1.3 3.8 5.7	75° 24.8 23.1 21.4 18.5 16.0 13.8 11.9 10.3 9.6 9.0	9.1 7.5 6.1 5.5 4.8	55.6 47.5 40.8 38.0 35.3 30.9 28.9 27.1 23.8 20.9 18.4 16.3 14.3 13.5	75° 22.7 21.0 15.6 13.4 11.4 9.8 9.1	777 77) 0) 0) 0) 0) 0) 0) 0) 0) 0) 0) 0 0 0 0	54 44 33 34 22 22 22 22 22 22 22 22 22 22 22 22 22	4.5 6.5 9.7 7.0 4.4 9.8 7.9 6.0 2.6 6.0 9.7 7.3 5.1 3.1 2.3 1.5	75° 19.6 16.7 14.3 12.1 10.1 8.5 7.8 7.1	65
) 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	Length (1 Boom angle 26 28 30 34 38 42 44 46 50 52 54 55 54 55 56 57 70 74 76 78 30	85 85 77 69 58 50 43 40 37 33 31 29 26	° 7 .3 .0 .7 .8 .1 .4 .6 .3 .4 .2 .5 .2 .6 .2 .4 .2 .7 1 .1 .1	4.3 4.3 1.9 7.8 5.9 4.2 1.2 8.7 6.5	13.8 12.0 10.3 8.9 8.3	76.4 69.2 57.7 49.4 42.6 39.8 37.1 32.7 30.8 28.9 25.7 23.0 20.5	75° 30.9 26.7 24.9 23.2 20.3 17.7 15.5 13.6 12.1	12.8 10.9 9.3 7.8 7.2 6.6 6.0	67 56 47 41 38 35 31 29 27 22 22 21 18	7.5 5.1 7.8 1.0 3.3 5.6 1.1 9.3 4.2 1.3 3.8 5.7	75° 24.8 23.1 21.4 18.5 16.0 13.8 11.9 10.3 9.6 9.0 8.2	9.1 7.5 6.1 5.5 4.8	55.6 47.5 40.8 38.0 35.3 30.9 28.9 27.1 23.8 20.9 18.4 16.3 14.3 13.5	75° 22.7 21.0 15.6 13.4 11.4 9.8 9.1 8.3 7.7	777 77)))))))))))))))))))))))))	54 44 33 34 22 22 22 22 22 22 22 22 22 22 22 22 22	4.5 6.5 9.7 7.0 4.4 9.8 7.9 6.0 2.6 9.7 7.3 5.1 3.1 2.3 1.5 0.8	75° 19.6 16.7 14.3 12.1 10.1 8.5 7.8 7.1 6.4	65

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.

			Lo	ad Ch	art o	f LJ	Operat	ting (Cond	lition	(Ho	ok B	lock)					
			A	Boom	a 48m		Counterwe	ight 18	0mt	C.	entral b	allast 8	30mt				Uni	t: mt
Jib radius length(m)		24			30			36			42			48			54	
(m) Boom angle	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°
16	176.4													2				
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	í		58.8		
36		51.8		1	50.5	(58.0	49.4		56.7	48.1		56.1	05	-	54.5	3	
38		48.1			46.9		53.6	45.8		52.5	44.5	· · · · · · · · · · · · · · · · · · ·	51.9		-	50.2		
40					43.8	1		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	<u> </u>
44			33.5		38.3	31.9		37.3		43.2	36.0		42.3	35.1		40.8	33.3	<u> </u>
46			31.4			29.8		35.0		40.4	33.8		39.6	32.9		38.1	31.0	<u> </u>
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																	10.2	9.4
70																	-	8.1
wind velocity		L							10m/s									0.1

Jib radius length(m)		60			66			72			78			84	
(m) 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		0									
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								10 m/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.

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wind the second s	4.2	1.2	

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.

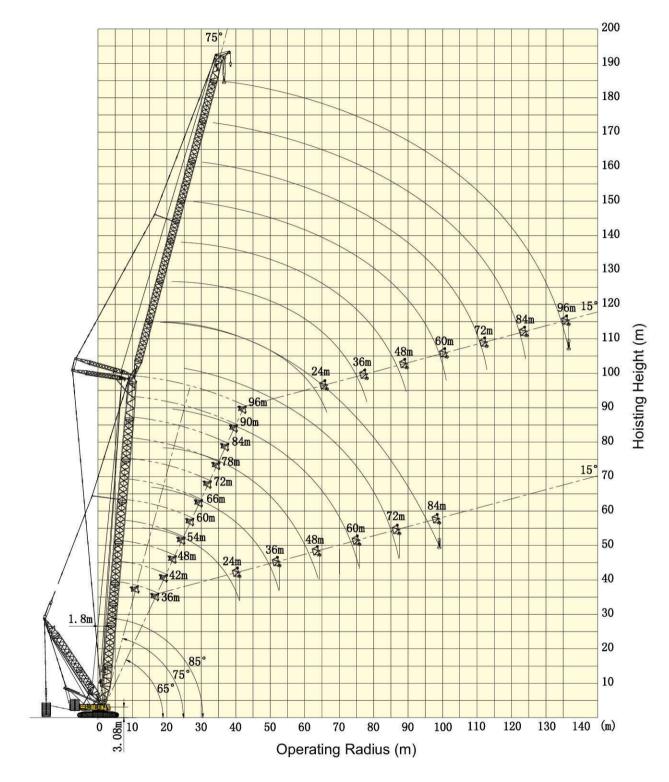
				Во	om 60r		Counter	weight	180mt		Centra	al balla:	st 80mt	t I			Unit:	mt
Jib dius length(m)		24			30			36	-1.		42			48			54	
(m) Boom angle	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65°	85°	75°	65
18	146.0																	
20	126.0			125.0			123.9					а С						
22	111.3			110.3			109.2		_	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	<u> </u>		76.7			74.9		-
30	73.5	55 T		72.5			71.9			70.4			69.8			68.1	<u> </u>	⊢
32		55.7 51.2		66.9 61.4	50.0		<u>66.4</u> 60.9			65.1 59.3	-		64.3 58.8			62.4 56.7	<u> </u>	-
<u>34</u> 38		44.0		01.4	42.7		52.3	41.5	-	59.5			50.4		-	48.8	-	+
40		41.0			39.8		48.9	38.5		47.8	37.1		47.0			45.4	<u> </u>	t-
40		11.0			37.2		45.7	35.8		44.5	34.4		43.8	33.2		42.1	<u> </u>	t –
42			25.0		32.7		10.1	31.2		39.2	29.7		38.3	28.7		36.8	26.6	t
50			21.8			20.2	(27.4			25.9		33.9	24.9		32.4	23.0	1
52			anno si F Talli			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	1
58									13.9		20.2			19.0		25.7	17.3	
62									13.9	i)		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
70												9.1			6.5 5.5		11.5	4
Jib dius length	(m)		50			66			7	2			78				84	
dius <u>length</u> m) ^{Boom}	84	- 1	50 75°	65°	85°	66 75°	65°	85°	1	2 75°	65°	85°	78	1	;° 8	35°	84 75°	65
dius <u>length</u> m) Boom angle	85	5° ,	T	65°	85°	T	65°	85°	1	Ĩ	65°	85°	T	1	;° 8	35°	1	65
dius length m) Boom angle 28	85	5° ,	T	65°		T	65°	85°	1	Ĩ	65°	85°	T	1	;° 8	35°	1	65
dius <u>length</u> m) Boom angle 28 30	85 74 67	5° /	T	65°	66.6	T	65°		>	Ĩ	65°		T	1	i° 8	35°	1	65
dius length m) Boom angle 28 30 34	85 74 67 56	5° ,	T	65°	66.6 55.6	T	65°	53	3.6	Ĩ	65°	51.5	1	1			1	65
dius length m) Boom angle 28 30 34 38	85 74 67 56 48	5° 4.4 7.1 5.2 3.0	T	65°	66.6 55.6 47.3	T	65°	53	3.6 5.5	Ĩ	65°	51.5 45.3	1	1	4	4.3	1	65
length Boom angle 28 30 34 38 42	85 74 67 56 48 41	5° 4.4 7.1 5.2 3.0 .4	T	65°	66.6 55.6 47.3 40.7	T	65°	53 45 39	3.6 5.5 9.0	Ĩ	65°	51.5 45.3 38.8	1	1	4	4.3	1	65
length Boom angle 28 30 34 38 42 46	85 74 67 56 48 41 36	5° , , , , , , , , , , , , , , , , , , ,	75°	65°	66.6 55.6 47.3 40.7 35.4	T	65°	53 45 39 33	3.6 5.5 9.0 3.8	Ĩ	65°	51.5 45.3 38.8 33.6	1	1	4	4.3 7.8 2.5	1	65
length Boom angle 28 30 34 38 42 46 48	85 74 67 56 48 41 36 33	5° /.4 4.4 5.2 3.0 .4 5.1 5.9 2	75°	65°	66.6 55.6 47.3 40.7 35.4 33.2	T	65°	53 45 39 33 31	3.6 5.5 9.0 3.8 1.6	Ĩ	65°	51.5 45.3 38.8 33.6 31.3	1	1	4 3' 3' 3'	4.3 7.8 2.5 0.3	1	65
dius length Boom angle 28 30 34 38 42 46 48 50	85 74 67 56 48 41 36 33 31	5° .4 7.1 .2 3.0 .4 5.1 .6.9 2.7 2	75° 3.6 1.9	65°	66.6 55.6 47.3 40.7 35.4 33.2 31.0	75°	65°	53 45 39 33 31 29	3.6 5.5 9.0 3.8 1.6 9.5	Ĩ	65°	51.5 45.3 38.8 33.6 31.3 29.1	75°	1	44 33 31 21	4.3 7.8 2.5 0.3 8.0	1	65
length m) length Boom angle 28 30 34 38 42 46 48 50 52 52	85 74 67 56 48 41 30 33 31 29	5° 7 1.4 7.1 5.2 3.0 .4 5.1 3.9 2 .7 2 9.8 2	75° 3.6 1.9 0.3	65°	66.6 55.6 47.3 40.7 35.4 33.2 31.0 29.1	75°	65°	53 45 39 33 31 29 27	3.6 5.5 9.0 3.8 1.6 9.5 7.5	75°	65°	51.5 45.3 38.8 33.6 31.3 29.1 27.2	75°	1	44 33 31 21 21	4.3 7.8 2.5 0.3 8.0 6.1	1	65
length m) length Boom angle 28 30 34 38 42 46 48 50 52 54	85 74 67 56 48 41 36 33 31 29 28	5° 7 4.4 7.1 5.2 8.0 .4 5.1 5.9 2.7 2.7 2.8 2.1 1 1	75° 3.6 1.9 0.3 8.8	65°	66.6 55.6 47.3 40.7 35.4 33.2 31.0 29.1 27.2	75° 	65°	53 45 39 33 31 31 29 27 25	3.6 5.5 9.0 3.8 1.6 9.5 7.5 5.6	75°	65°	51.5 45.3 38.8 33.6 31.3 29.1 27.2 25.3	75°) 65	44 33 33 24 24 24 24	4.3 7.8 2.5 0.3 8.0 6.1 4.2	1	65
length m) length Boom angle 28 30 34 38 42 46 48 50 52 54 56 56	85 74 67 56 48 41 36 33 31 29 28 28 26	5° 7 4.4 7.1 5.2 3.0 4 1 5.1 4 3.9 2 7 2 0.8 2 3.1 1 5.5 1	75° 3.6 1.9 0.3 8.8 7.5	65°	66.6 55.6 47.3 40.7 35.4 33.2 31.0 29.1 27.2 25.6	75° 19.1 17.7 16.3	65°	53 45 39 30 30 31 31 29 20 20 20 22 22	3.6 5.5 9.0 3.8 1.6 9.5 7.5 5.6 4.0	75° 15.9 14.5	65°	51.5 45.3 38.8 33.6 31.3 29.1 27.2 25.3 23.7	75°) 65	44 33 31 24 20 20 20 20 20 20 20 20 20 20 20 20 20	4.3 7.8 2.5 0.3 8.0 6.1 4.2 2.6	1	65
length m) length Boom angle 28 30 34 38 42 46 48 50 52 54 56 58	85 74 67 56 48 41 36 33 31 29 28 28 26 25	5° 7 1.4 7.1 5.2 3.0 .4 5.1 5.9 2 .7 2 3.1 1 5.5 1 5.5 1 5.0 1	75° 3.6 1.9 0.3 8.8 7.5 6.2	65°	66.6 55.6 47.3 40.7 35.4 33.2 31.0 29.1 27.2 25.6 24.0	75° 19.1 17.7 16.3 15.1	65°	53 45 39 33 31 29 27 25 22 24 22	3.6 5.5 9.0 3.8 1.6 9.5 7.5 5.6 4.0 2.4	75° 15.9 14.5 13.3	65°	51.5 45.3 38.8 33.6 31.3 29.1 27.2 25.3 23.7 22.0	75°) 65	44 33 30 22 20 20 22 22 22 22 22 22 22	4.3 7.8 2.5 0.3 8.0 6.1 4.2 2.6 0.9	75°	65
dius length Boom angle 28 30 34 38 42 46 48 50 52 54 56 58 60	85 74 67 56 48 41 36 33 31 29 28 26 25 25 23	5° 7 4.4 7.1 5.2 3.0 4 5.1 5.9 2 3.1 1 5.5 1 5.5 1 5.5 1	75° 3.6 1.9 0.3 8.8 7.5 6.2 5.0	65°	66.6 55.6 47.3 40.7 35.4 33.2 31.0 29.1 27.2 25.6 24.0 22.6	75° 19.1 17.7 16.3 15.1 13.9	65°	53 45 39 33 31 29 20 20 20 20 20 20 20 20 20	3.6 5.5 9.0 3.8 1.6 9.5 7.5 5.6 4.0 2.4 0.9	75° 15.9 14.5 13.3 12.2	65°	51.5 45.3 38.8 33.6 31.3 29.1 27.2 25.3 23.7 22.0 20.6	75°	 65 6	44 33 33 24 20 20 20 20 20 20 20 20 20 20 20 20 20	4.3 7.8 2.5 0.3 8.0 6.1 4.2 2.6 0.9 9.5	75°	65
length m) length Boom angle 28 30 34 38 42 46 48 50 52 54 56 58 60 62	85 74 67 56 48 41 36 33 31 29 28 26 25 25 23	5° 7 4.4 - 5.2 - 3.0 - .4 - 5.1 - 5.9 2 3.1 1 5.5 1 5.5 1 5.5 1 5.5 1 2.2 1	75° 3.6 1.9 0.3 8.8 7.5 6.2 5.0 3.9	65°	66.6 55.6 47.3 40.7 35.4 33.2 31.0 29.1 27.2 25.6 24.0 22.6 21.2	75° 19.1 17.7 16.3 15.1 13.9 12.9	65°	53 45 39 33 31 29 27 25 22 22 22 22 22 20 19	3.6 5.5 9.0 3.8 1.6 9.5 7.5 5.6 4.0 2.4 0.9 9.6	75° 15.9 14.5 13.3 12.2 11.1	65°	51.5 45.3 38.8 33.6 31.3 29.1 27.2 25.3 23.7 22.0 20.6 19.3	75°	2 65	44 3 3 3 2 2 2 2 2 2 2 2 1 1 1	4.3 7.8 2.5 0.3 8.0 6.1 4.2 2.6 0.9 9.5 8.1	75°	65
length m) length Boom angle 28 30 34 38 42 46 48 50 52 54 56 58 60 62 66 66	85 74 67 56 48 41 36 33 31 29 28 26 25 25 23	5° 7 4.4 7.1 5.2 3.0 .4 5.1 5.1 3.9 2.7 2 3.1 1 5.5 1 5.5 1 5.5 1 5.5 1 5.5 1 2.2 1	75° 3.6 1.9 0.3 8.8 7.5 6.2 5.0 3.9 2.1	65°	66.6 55.6 47.3 40.7 35.4 33.2 31.0 29.1 27.2 25.6 24.0 22.6 21.2 18.8	75° 19.1 17.7 16.3 15.1 13.9 12.9 10.9	65°	53 45 39 33 31 29 20 20 20 20 20 20 10	3.6 5.5 9.0 3.8 1.6 9.5 7.5 5.6 4.0 9.9 9.6 7.2	75° 15.9 14.5 13.3 12.2 11.1 9.3	65°	51.5 45.3 38.8 33.6 31.3 29.1 27.2 25.3 23.7 22.0 20.6 19.3 16.9	75° 14.1 12.9 11.7 10.7 8.8	2 65	44 33 31 22 24 24 24 24 24 24 24 24 24 24 24 24	4.3 7.8 2.5 0.3 8.0 6.1 4.2 2.6 0.9 9.5 8.1 5.7	75° 10.4 9.4 7.4	65
length m) length Boom angle 28 30 34 38 42 46 48 50 52 54 56 58 60 62 66 70	85 74 67 56 48 41 36 33 31 29 28 26 25 25 23	5° 7 4.4 7.1 5.2 3.0 .4 5.1 6.9 2 3.1 1 5.5 1 5.5 1 5.5 1 5.5 1 5.5 1 5.5 1 1.2 1 1.1 1	75° 3.6 1.9 0.3 8.8 7.5 6.2 5.0 3.9 2.1 0.4	65°	66.6 55.6 47.3 40.7 35.4 33.2 31.0 29.1 27.2 25.6 24.0 22.6 21.2	75° 19.1 17.7 16.3 15.1 13.9 12.9 10.9 9.4	65°	53 45 39 33 31 29 20 20 20 20 20 20 20 10 11	3.6 5.5 9.0 3.8 1.6 9.5 5.6 4.0 2.4 9.9 9.6 7.2 5.1	75° 15.9 14.5 13.3 12.2 11.1 9.3 7.6	65°	51.5 45.3 38.8 33.6 31.3 29.1 27.2 25.3 23.7 22.0 20.6 19.3 16.9 14.7	75° 14.1 12.9 11.7 10.7 8.8 7.1	2 65	4 3 3 2 2 2 2 2 2 1 1 1 1 1 1 1	4.3 7.8 2.5 0.3 8.0 6.1 4.2 2.6 0.9 9.5 8.1 5.7 3.6	75° 10.4 9.4 7.4 5.8	65
dius length Boom angle 28 30 34 38 42 46 48 50 52 54 56 58 60 62 66 70 74	85 74 67 56 48 41 36 33 31 29 28 26 25 25 23	5° 7 4.4 7.1 5.2 3.0 .4 3.0 .4 3.0 .4 3.0 .4 3.0 .7 2 3.1 1 5.5 1 5.5 1 5.5 1 2.2 1 1 1	3.6 1.9 0.3 8.8 7.5 6.2 5.0 3.9 2.1 0.4 8.9	65°	66.6 55.6 47.3 40.7 35.4 33.2 31.0 29.1 27.2 25.6 24.0 22.6 21.2 18.8	75° 19.1 17.7 16.3 15.1 13.9 12.9 10.9 9.4 7.9	65°	53 45 39 33 31 29 20 20 20 20 20 20 20 10 11	3.6 5.5 9.0 3.8 1.6 9.5 7.5 5.6 4.0 9.9 9.6 7.2	75° 15.9 14.5 13.3 12.2 11.1 9.3 7.6 6.2	65°	51.5 45.3 38.8 33.6 31.3 29.1 27.2 25.3 23.7 22.0 20.6 19.3 16.9 14.7 12.9	75° 14.1 12.9 11.7 10.7 8.8 7.1 5.7	2 65 65 1 1 7 7 7 8 1 7	44 33 33 22 22 22 22 22 22 22 21 11 11 11 11	4.3 7.8 2.5 0.3 8.0 6.1 4.2 2.6 0.9 9.5 8.1 5.7 3.6 1.7	75° 10.4 9.4 7.4	65
length m) length Boom angle 28 30 34 38 42 46 48 50 52 54 56 58 60 62 66 70 74 76	85 74 67 56 48 41 36 33 31 29 28 26 25 25 23	5° 7 4.4 7.1 5.2 3.0 .4 3.0 .4 3.0 .4 3.0 .4 3.0 .7 2 3.1 1 5.5 1 5.5 1 5.5 1 2.2 1 1 1	75° 3.6 1.9 0.3 8.8 7.5 6.2 5.0 3.9 2.1 0.4	65°	66.6 55.6 47.3 40.7 35.4 33.2 31.0 29.1 27.2 25.6 24.0 22.6 21.2 18.8	75° 19.1 19.1 17.7 16.3 15.1 13.9 12.9 10.9 9.4 7.9 7.2	65°	53 45 39 33 31 29 20 20 20 20 20 20 20 10 11	3.6 5.5 9.0 3.8 1.6 9.5 5.6 4.0 2.4 9.9 9.6 7.2 5.1	75° 15.9 14.5 13.3 12.2 11.1 9.3 7.6 6.2 5.6	65°	51.5 45.3 38.8 33.6 31.3 29.1 27.2 25.3 23.7 22.0 20.6 19.3 16.9 14.7 12.9 12.1	75° 14.1 12.9 11.7 10.7 8.8 7.1 5.7	2 65 65 1 1 7 7 7 8 1 7	44 33 33 22 22 22 22 22 22 22 22 22 22 22	4.3 7.8 2.5 0.3 8.0 6.1 4.2 2.6 0.9 9.5 8.1 5.7 3.6 1.7 0.9	75° 10.4 9.4 7.4 5.8	65
length Boom angle 28 30 34 38 42 46 48 50 52 54 56 58 60 62 66 70 74	85 74 67 56 48 41 36 33 31 29 28 26 25 25 23	5° 7 4.4 7.1 5.2 3.0 .4 3.0 .4 3.0 .4 3.0 .4 3.0 .7 2 3.1 1 5.5 1 5.5 1 5.5 1 2.2 1 1 1	3.6 1.9 0.3 8.8 7.5 6.2 5.0 3.9 2.1 0.4 8.9	65°	66.6 55.6 47.3 40.7 35.4 33.2 31.0 29.1 27.2 25.6 24.0 22.6 21.2 18.8	75° 19.1 17.7 16.3 15.1 13.9 12.9 10.9 9.4 7.9	65°	53 45 39 33 31 29 20 20 20 20 20 20 20 10 11	3.6 5.5 9.0 3.8 1.6 9.5 5.6 4.0 2.4 9.9 9.6 7.2 5.1	75° 15.9 14.5 13.3 12.2 11.1 9.3 7.6 6.2	65°	51.5 45.3 38.8 33.6 31.3 29.1 27.2 25.3 23.7 22.0 20.6 19.3 16.9 14.7 12.9	75° 14.1 12.9 11.7 10.7 8.8 7.1 5.7	2 65 65 1 1 7 7 7 3 1 7 7 0	44 33 33 22 22 22 22 22 22 22 22 22 22 22	4.3 7.8 2.5 0.3 8.0 6.1 4.2 2.6 0.9 9.5 8.1 5.7 3.6 1.7	75° 10.4 9.4 7.4 5.8	65
dius length Boom angle 28 30 34 38 42 46 48 50 52 54 56 58 60 62 66 70 74 76	85 74 67 56 48 41 36 33 31 29 28 26 25 25 23	5° 7 4.4 7.1 5.2 3.0 .4 3.0 .4 3.0 .4 3.0 .4 3.0 .7 2 3.1 1 5.5 1 5.5 1 5.5 1 2.2 1 1 1	3.6 1.9 0.3 8.8 7.5 6.2 5.0 3.9 2.1 0.4 8.9	65°	66.6 55.6 47.3 40.7 35.4 33.2 31.0 29.1 27.2 25.6 24.0 22.6 21.2 18.8	75° 19.1 19.1 17.7 16.3 15.1 13.9 12.9 10.9 9.4 7.9 7.2	65°	53 45 39 33 31 29 20 20 20 20 20 20 20 10 11	3.6 5.5 9.0 3.8 1.6 9.5 5.6 4.0 2.4 9.9 9.6 7.2 5.1	75° 15.9 14.5 13.3 12.2 11.1 9.3 7.6 6.2 5.6	65°	51.5 45.3 38.8 33.6 31.3 29.1 27.2 25.3 23.7 22.0 20.6 19.3 16.9 14.7 12.9 12.1	75° 14.1 12.9 11.7 10.7 8.8 7.1 5.7 5.0 4.4	2 65 65 1 1 7 7 7 3 1 7 7 0	44 33 33 22 22 22 22 22 22 22 22 22 22 22	4.3 7.8 2.5 0.3 8.0 6.1 4.2 2.6 0.9 9.5 8.1 5.7 3.6 1.7 0.9	75° 10.4 9.4 7.4 5.8	65
length m) length Boom angle 28 30 34 38 42 46 48 50 52 54 56 58 60 62 66 70 74 76 78	85 74 67 56 48 41 36 33 31 29 28 26 25 25 23	5° 7 4.4 7.1 5.2 3.0 .4 3.0 .4 3.0 .4 3.0 .4 3.0 .7 2 3.1 1 5.5 1 5.5 1 5.5 1 2.2 1 1 1	3.6 1.9 0.3 8.8 7.5 6.2 5.0 3.9 2.1 0.4 8.9	65°	66.6 55.6 47.3 40.7 35.4 33.2 31.0 29.1 27.2 25.6 24.0 22.6 21.2 18.8	75° 19.1 17.7 16.3 15.1 13.9 12.9 10.9 9.4 7.9 7.2 6.7	65°	53 45 39 33 31 29 20 20 20 20 20 20 20 10 11	3.6 5.5 9.0 3.8 1.6 9.5 5.6 4.0 2.4 9.9 9.6 7.2 5.1	75° 15.9 14.5 13.3 12.2 11.1 9.3 7.6 6.2 5.6 4.9	65°	51.5 45.3 38.8 33.6 31.3 29.1 27.2 25.3 23.7 22.0 20.6 19.3 16.9 14.7 12.9 14.7 12.9 12.1 11.3	75° 14.1 12.9 11.7 10.7 5.7 5.0 4.4	2 65 65 1 1 7 7 7 3 1 7 7 0	44 33 32 22 22 22 22 22 22 22 22 22 22 22	4.3 7.8 2.5 0.3 8.0 6.1 4.2 2.6 0.9 9.5 8.1 5.7 3.6 1.7 0.9 0.1	75° 10.4 9.4 7.4 5.8	65

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.

					Во	om 66n		Counter	weight	180t	B	Centra	l ballas	t 80t				Unit:	t
adius	Jib length(m)		24			30			36			42			48			54	
(m)	Boom angle	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	<u> </u>		94.0					-
26 28		87.7 79.8			87.2 78.8			86.1 77.7			85.1 76.7			84.0 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 32.7		44.9	33.5 31.2		43.8	32.0		43.1	20 5		41.4 38.7		-
44 46						30.5			29.0		41.1 38.4	29.7		40.3 37.7	28.5 26.5		36.1		+
48						28.6			27.1		50.7	25.6		35.5	24.6		33.9	22.6	1
50				18.8			17.0		25.4			23.9		33.4	22.8		31.8	20.9	
54				16.4			14.7			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 68						<u> </u>							6.6 6.0		13.3	5.3 4.7		11.5 10.7	┢
70											-		5.5			4.7	· · · · ·	10.7	┢
72													0.0				1	9.4	1
dius m)	Jib length(m Boom		6				66		05703	7:		2.49	05.55	78				84	
LINC X	angle	850		5° 6	5° 8	35°	75°	65°	85°	2	75°	65°	85°	75°	65	° 8.	5° (75°	65°
28	-	68. 66.	_			60.3										_			
		55.		_		54.6			52.	5			45.3		+	_	_		
		47.		_		46.5			44.				44.5		-	40	2		
34		47.		-		39.9			38.		-	-	38.1		-	37		-	
34 38		40								. 5			32.9		-	31		-	
34 38 42		40.								1						51	.0	_	
34 38 42 46		35.	5	0	1	34.6			33.				Accession of the		1	27	3		
34 38 42 46 50		35. 31.	5 1 19			34.6 30.4	17.2		33. 28.	.7			28.4				.3		
34 38 42 46 50 52		35. 31. 29.	5 1 19 2 18	.3		34.6 30.4 28.5	17.2		33. 28. 26.	.7 .8			28.4 26.5			25	.3		
30 34 38 42 46 50 52 54		35. 31. 29. 27.	5 1 19 2 18 5 16	.3 .8		34.6 30.4 28.5 26.6	15.8		33 28 26 24	.7 .8 .9	2.7		28.4 26.5 24.6			25 23	.3 .5		
34 38 42 46 50 52 54 56		35. 31. 29. 27. 25.	5 1 19 2 18 5 16 9 15	.3 .8 .6		34.6 30.4 28.5 26.6 25.0	15.8 14.5		33. 28. 26. 24. 23.	.7 .8 .9 .3 1	2.7		28.4 26.5 24.6 23.0	11.0		25 23 21	.3 .5 .8		
34 38 42 46 50 52 54 56 58		35. 31. 29. 27. 25. 24.	5 1 19 2 18 5 16 9 15 3 14	.3 .8 .6 .4		34.6 30.4 28.5 26.6 25.0 23.4	15.8 14.5 13.3		33. 28. 26. 24. 23. 21.	.7 .8 .9 .3 1 .7 1	1.4		28.4 26.5 24.6 23.0 21.4			25 23 21 20	.3 .5 .8 .3	7.6	
34 38 42 46 50 52 54 56 58 62		35. 31. 29. 27. 25. 24. 21.	5 1 19 2 18 5 16 9 15 3 14 5 12	.3 .8 .6 .4 .3		34.6 30.4 28.5 26.6 25.0 23.4 20.6	15.8 14.5 13.3 11.2		33. 28. 26. 24. 23. 21. 19.	.7 .8 .9 .3 1 .7 1 .0	1.4 9.4		28.4 26.5 24.6 23.0 21.4 18.6	9.0		25 23 21 20 17	.3 .5 .8 .3 .5	7.6	
34 38 42 46 50 52 54 56 58 62 66		35. 31. 29. 27. 25. 24.	5 1 19 2 18 5 16 9 15 3 14 5 12 2 10	.3 .8 .6 .4 .3 .4		34.6 30.4 28.5 26.6 25.0 23.4 20.6 18.2	15.8 14.5 13.3 11.2 9.4		33 28 26 24 23 21 19 16	.7 .8 .9 .3 1 .7 1 .0 .6	1.4 9.4 7.6		28.4 26.5 24.6 23.0 21.4 18.6 16.3	9.0 7.2		25 23 21 20 17 15	.3 .5 .8 .3 .5 .1	5.8	
34 38 42 46 50 52 54 56 58 62 66 70		35. 31. 29. 27. 25. 24. 21.	5 1 19 2 18 5 16 9 15 3 14 5 12 2 10 8	.3 .8 .6 .4 .3 .4 .8		34.6 30.4 28.5 26.6 25.0 23.4 20.6	15.8 14.5 13.3 11.2 9.4 7.8		33. 28. 26. 24. 23. 21. 19. 16. 14.	.7 .8 .9 .3 1 .7 1 .0 .6 .5	1.4 9.4 7.6 6.1		28.4 26.5 24.6 23.0 21.4 18.6 16.3 14.2	9.0 7.2 5.6		25 23 21 20 17 15 13	.3 .5 .8 .3 .5 .1 .0		
34 38 42 46 50 52 54 56 58 62 66 70 74		35. 31. 29. 27. 25. 24. 21.	5 1 19 2 18 5 16 9 15 3 14 5 12 2 10 8 7	.3 .8 .6 .4 .3 .4 .8 .5		34.6 30.4 28.5 26.6 25.0 23.4 20.6 18.2	15.8 14.5 13.3 11.2 9.4 7.8 6.4		33. 28. 26. 24. 23. 21. 19. 16. 14. 12.	.7 .8 .9 .3 1 .7 1 .0 .6 .5 .8	1.4 9.4 7.6		28.4 26.5 24.6 23.0 21.4 18.6 16.3 14.2 12.4	9.0 7.2		25 23 21 20 17 15 13 11	.3 .5 .8 .3 .5 .1 .0 .2	5.8	
34 38 42 46 50 52 54 56 58 62 66 70 74 76		35. 31. 29. 27. 25. 24. 21.	5 1 19 2 18 5 16 9 15 3 14 5 12 2 10 8 7	.3 .8 .6 .4 .3 .4 .8		34.6 30.4 28.5 26.6 25.0 23.4 20.6 18.2	15.8 14.5 13.3 11.2 9.4 7.8 6.4 5.8		33 28 26 24 23 21 19 16 14 12 11	.7 .8 .9 .3 1 .7 1 .0 .6 .5 .8 .9	1.4 9.4 7.6 6.1		28.4 26.5 24.6 23.0 21.4 18.6 16.3 14.2 12.4 11.5	9.0 7.2 5.6		255 233 211 200 177 155 133 111 100	.3 .5 .8 .3 .5 .1 .0 .2 .4	5.8	
34 38 42 46 50 52 54 56 58 62 66 66 70 74 76 78		35. 31. 29. 27. 25. 24. 21.	5 1 19 2 18 5 16 9 15 3 14 5 12 2 10 8 7	.3 .8 .6 .4 .3 .4 .8 .5		34.6 30.4 28.5 26.6 25.0 23.4 20.6 18.2	15.8 14.5 13.3 11.2 9.4 7.8 6.4 5.8 5.2		33. 28. 26. 24. 23. 21. 19. 16. 14. 12.	.7 .8 .9 .3 1 .7 1 .0 .6 .5 .8 .9	1.4 9.4 7.6 6.1		28.4 26.5 24.6 23.0 21.4 18.6 16.3 14.2 12.4 11.5 10.8	9.0 7.2 5.6		255 233 211 200 177 155 133 111 100 9	.3 .5 .8 .3 .5 .1 .0 .2 .4 .6	5.8	
34 38 42 46 50 52 54 56 58 62		35. 31. 29. 27. 25. 24. 21.	5 1 19 2 18 5 16 9 15 3 14 5 12 2 10 8 7	.3 .8 .6 .4 .3 .4 .8 .5		34.6 30.4 28.5 26.6 25.0 23.4 20.6 18.2	15.8 14.5 13.3 11.2 9.4 7.8 6.4 5.8		33 28 26 24 23 21 19 16 14 12 11	.7 .8 .9 .3 1 .7 1 .0 .6 .5 .8 .9	1.4 9.4 7.6 6.1		28.4 26.5 24.6 23.0 21.4 18.6 16.3 14.2 12.4 11.5	9.0 7.2 5.6		255 233 211 200 177 155 133 111 100 99 88	.3 .5 .8 .3 .5 .1 .0 .2 .4	5.8	

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.

Operating Range of LJD\LJDB Operating Condition



Hoisting Height and Operating Range Diagram

Quality Changes the World

		Load (Chart o	of LJI	D/LJD	B Ope	rating	Conditio	on (Hoo	k Blo	ck)		
								80mt			veight 16	60mt	
		Superl	ift counte	rweight	0~262	2mt	Superli	ft radius 11	m ~ 15m		Unit	: mt	
Boom36	m+Jib 24m					8 12	Boom 3	6m+ Jib 60n	ı				
radius	State	LJD		LJ	DB		radius	State	LJD		LJ	DB	
(m)	Boom	85°	85°	75°	65°	55°	(m)	Boom	85°	85°	75°	65°	55
16		192.2	315.0				26		93.6	139.4			
18		162.8	315.0				28		84.8	139.4			
20		141.8	315.0				30		77.0	139.4			
22		123.9	302.4			<u> </u>	34		64.5	133.1		1	
24 26		110.3 99.8	260.4	255.2	-		38		55.1 48.2	123.8 114.4	121.7		-
28		99.8	191.1	239.4		<u> </u>	42		48.2	104.0	116.5		1
30		20.5	171,1	224.7			50		37.3	93.6	106.1	1	
34				194.9	183.8		54		33.3	81.6	99.8		
38					166.2		56		31.5	76.4	96.7	90.0	L
40					156.1		58		29.8	71.2	92.0	90.0	
42						141.8	62		26.9	60.8	81.1	83.2	
46						128.7	66				70.7	76.4	
wind y	velocity			9m/s			70				60.3	71.2	71
272	n waar ame						74					66.0	67
1	im + Jib 36n		1				76			<u> </u>	<u> </u>	63.4	65
radius	State	LJD	0.50	L.	DB	550	78					1	62
(m) 18	Boom	85°	85° 269.9	75°	65°	55°	80 wind	velocity			9m/s		60
20		161.7 139.7	269.9				wind	verocrey	2		JIII/S		
20		122.9	265.7	<u> </u>	1		Boom3(m+Jib 72m					
24		109.2	251.0	-			radius	State	LJD	1	IJ	DB	
26		98.2	237.3				(m)	Boom	85°	85°	75°	65°	55
28		89.3	218.4				30		74.2	98.9			
30		81.4	196.4	209.0			34		62.3	98.9			
34		68.8	159.6	192.2		2 (S	38		53.0	96.8			
38		59.3	129.2	173.3			42		45.7	93.7		1	
42				153.3	145.5		46		39.9	89.6			
46			_	123.9	130.5		48		37.7	87.6	89.6		
50					118.0	01212/10	50		35.0	85.5	88.6		
52			-		112.4	109.4	54		31.0	81.4	86.5		
54			-			104.5	58		27.6	74.2	83.4	-	
58 wind :	velocity		<u>k</u>	9m/s		95.7	62 64		24.6	65.9 62.0	80.3 77.8	69.0	-
wind	velocity			711/5		28	66		23.3 21.9	58.2	73.6	68.5	-
Boom 36	m + Jib 48n	1					70		19.7	51.3	65.9	65.9	-
radius	State	LJD		IJ	DB		74		17.7	44.1	58.7	62.3	
(m)	Boom	85°	85°	75°		55°	78				51.5	59.2	59
22		120.8	196.4				80				48.2	57.7	57
24		107.1	196.4				82					55.6	55
26		96.6	196.4				86					51.3	51
28		87.2	189.0				90						48
30		79.3	180.6				92	4					47
34		67.2	163.8				wind	velocity			9m/s		
36		62.5	153.3	160.7		<u> </u>							
38		57.8	142.8	160.7		<u> </u>							
42		50.4	121.8	141.8									
46 50		44.5 39.6	104.5	126.0 114.5	116.2								
50		39.0	88.2	102.4	105.8								
58			+	86.1	96.9	<u> </u>							
60				00.1	92.9	90.1							
62					89.2	86.5							
64					85.6	83.1							
66						80.0							

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 (Chart (of LJI	D/LJE	B Ope	erating	Condit	<mark>ion (Ho</mark>	<mark>ok Bl</mark>	ock)			
		1					entral ballast 80		LJDB: Coun		60mt t: mt			
en 1963el			USuperm	a counciv	Vergne o	202111				CIII				
1	$\frac{6m + Jib 84n}{6m + Jib 84n}$	1	81.0		DD		12	$\frac{3m + Jib 36r}{2}$	1	1		DD		
radius	State	LJD	0.50	I	DB	5.50	radius	State	LJD	0.50	The second se	DB		
(m)	Boom	85°	85°	75°	65°	55°	(m)	Boom	85°	85°	75°	65°	55	
34		60.8	71.1				20		137.6	234.2				
38		51.5	71.1				22		120.8	230.0		-		
42		44.6	70.0				24		107.1	222.6			<u> </u>	
46		38.7	70.0		-		26		96.6	213.2		-		
<u>50</u> 54		33.9 29.8	69.0	64.0		· · · · · · · ·	28		87.7	203.7 194.3		-		
58		29.8	68.0 67.0	64.9 64.9	-		30 34		79.8 67.7	194.3	190.3	-	<u> </u>	
<u>58</u> 62			64.9			-	0			135.5	190.3			
66		23.2 20.5	60.8	63.9 62.8			38 42		58.3	155.5	147.6		-	
70		18.1	54.6	61.8			42			+	132.2			
72		17.0	51.7	60.8	51.5		40	6			125.6	120.3		
74		17.0	48.8	60.3	51.5		50				114.5	114.6		
78		14.2	43.5	54.6	51.5		54			-	114.5	104.4		
82			14.00	49.2	49.9	c	56	6			1	99.8		
86	-	12.6 11.2	38.3 32.9	49.2	49.9	· · · · · · · · · · · · · · · · · · ·	58					99.8	91.7	
88		11.2	52.9	44.1	46.1	45.4	62						84.5	
90	3		1947	39.0	46.0	45.7	64				0		81.2	
90				36.4	44.9	45.0		velocity			9m/s		01.2	
94				50.4	43.8	43.6	wind	velocity			911/8			
9 4 98					39.0	40.7								
102			14 C		39.0	38.2								
102			-			37.0								
	velocity		1	9m/s		57.0								
wind	velocity			91178										
Boom48	8m+Jib24m	1				1	Boom48	3m+Jib48r	n					
adius	State	LJD		IJ	DB		radius	State	LJD		IJ	DB		
(m)	Boom	85°	85°	75°	65°	55°	(m)	Boom	85°	85°	75°	65°	55°	
16		190.1	311.9				24		105.0	170.1				
18		160.7	311.9				26		94.5	170.1				
20		139.7	307.7				29		85.6	168.0				
22		121.8	294.0				30		77.7	164.9				
24		109.2	278.3				34		65.6	156.5				
26		98.2	240.5				38		56.2	142.8				
28		89.3	205.8	242.6			40		52.7	134.4	147.0			
30	0	81.4	170.1	223.5			42		49.2	126.0	147.0			
34				192.0			46		43.4	107.1	133.4			
38			1	167.5			50		38.5	90.8	120.8			
40				10,10	151.9		54			1	110.3	102.9		
40			-		142.2		59				07.7	04.2		

46	128.2
50	
wind velocity	9m/s

(m)	Boom	85°	85°	75°	65°	55°
24		105.0	170.1			73.9
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.

143.3

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.

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			D: Count	erweight	180mt	Ca	entral ballast 80	mt 📕	LJDB: Co	ounterweig	ht 160mt		
		Su Su	perlift cou	Interweig	ght 0 ~ 2	62mt	Superlift i	radius 11n	n ~ 15m		Unit: mt		
300m 48	3m+ Jib 60r	n	ï	No. 192			Boom 48r	n+Jib 84n	n			1000	
adius	State	LJD			DB		radius	State	LJD			DB	
(m)	Boom	85°	85°	75°	65°	55°	(m)	Boom	85°	85°	75°	65°	55°
28		82.7	124.8				34		59.2	65.9	·		
<u>30</u> 34		75.4 63.4	124.8 121.7		-		42		50.5 43.4	65.9 64.9	-		
38		54.1	116.5				42		37.6	63.9	· · · · · ·		
42		46.9	110.2				50		32.9	62.8	1		
46		41.1	101.9	114.4			54		28.8	61.8	-		
50		36.3	94.6	109.2			56		27.0	61.8	59.7		
54		32.2	83.7	98.8			58		25.2	61.8	59.7		
58		28.9	72.8	90.5			62		22.1	60.8	59.7		
62		26.0	62.4	83.2	84.8		66		19.5	59.7	59.7		
66				77.0	78.8		70		17.1	55.1	59.7		
70			-	67.6	73.1		74		15.1	49.4	59.7	47.7	
72				62.4	70.5		76		14.2	46.7	59.7	47.7	
74 76					68.0 65.7	62,4	78 82		13.3	44.0 38.7	58.2 52.5	47.7	-
78					63.5	60.3	86		10.4	33.4	47.3	47.3	
80					61.3	58.2	90		10.4	55.4	42.1	46.5	
82					01.0	56.7	94				37.0	45.2	41.6
86						53.0	96				34.3	44.3	41.4
88						51.4	98				0.0	43.3	40.2
wind	velocity			0 /			102		27	1		39.7	270
				9m/s			102			_		39.7	31.8
	(ele ell j			9m/s			104		-			37.1	36.5
	(ciccia)			9m/s			104 106						36.5 35.5
		I		<u>9m/s</u>			104 106 110						36.5 35.5
		1		9m/s			104 106 110	relocity			9m/s		
(30 ⁻⁰⁰¹⁰⁰).				9m/s			104 106 110 wind v				9m/s		36.5 35.5
Boom 48	3m+Jib 72n		T		DB		104 106 110 wind v Boom 60r	n+Jib 24n				37.1	36.5 35.5
Boom 48	<u>3m+ Jib 72r</u> State	LJD	85°	LJ	DB 65°	55°	104 106 110 wind v Boom 60r radius		LJD	85°	IJ	37.1 DB	36.5 35.5 33.4
Boom 48	3m+Jib 72n		85° 89.6		DB 65°	55°	104 106 110 wind v Boom 60r	n + Jib 24n State		85°		37.1	36.5 35.5
300m 48 radius (m)	<u>3m+ Jib 72r</u> State	LJD 85°		LJ	2011/2125	55°	104 106 110 wind v Boom 60r radius (m)	n + Jib 24n State	LJD	85° 259.4	IJ	37.1 DB	36.5 35.5 33.4
Boom 48 radius (m) 34	<u>3m+ Jib 72r</u> State	LJD 85° 60.8	89.6	LJ	2011/2125	55°	104 106 110 wind v Boom 60r radius (m) 17	n + Jib 24n State	LJD 85°		IJ	37.1 DB	36.5 35.5 33.4
Boom 48 radius (m) 34 38 42 46	<u>3m+ Jib 72r</u> State	LJD 85° 60.8 51.5 44.6 38.8	89.6 88.6 85.5 82.4	LJ 75°	2011/2125	55°	104 106 110 wind v Boom 60r radius (m) 17 18 20 22	n + Jib 24n State	LJD 85° 157.5 136.5 119.7	259.4 249.9 239.4	IJ	37.1 DB	36.5 35.5 33.4
Boom 48 radius (m) 34 38 42 46 50	<u>3m+ Jib 72r</u> State	LJD 85° 60.8 51.5 44.6 38.8 34.0	89.6 88.6 85.5 82.4 79.3	LJ 75° 81.4	2011/2125	55°	104 106 110 wind v Boom 60r radius (m) 17 18 20 22 24	n + Jib 24n State	LJD 85° 157.5 136.5 119.7 107.1	259.4 249.9 239.4 228.9	IJ	37.1 DB	36.5 35.5 33.4
Boom 48 radius (m) 34 38 42 46 50 54	<u>3m+ Jib 72r</u> State	LJD 85° 60.8 51.5 44.6 38.8 34.0 30.1	89.6 88.6 85.5 82.4 79.3 76.2	LJ 75° 81.4 81.4	2011/2125	55°	104 106 110 wind v Boom 60r radius (m) 17 18 20 22 24 24 26	n + Jib 24n State	LJD 85° 157.5 136.5 119.7 107.1 96.1	259.4 249.9 239.4 228.9 216.3	IJ	37.1 DB	36.5 35.5 33.4
Boom 48 radius (m) 34 38 42 46 50 54 58	<u>3m+ Jib 72r</u> State	LJD 85° 60.8 51.5 44.6 38.8 34.0 30.1 26.7	89.6 88.6 85.5 82.4 79.3 76.2 73.1	LJ 75° 81.4 81.4 80.3	2011/2125	55°	104 106 110 wind v Boom 60r radius (m) 17 18 20 22 24 26 28	n + Jib 24n State	LJD 85° 157.5 136.5 119.7 107.1 96.1 87.2	259.4 249.9 239.4 228.9 216.3 202.7	IJ	37.1 DB	36.5 35.5 33.4
Boom 48 radius (m) 34 38 42 46 50 54 58 62	<u>3m+ Jib 72r</u> State	LJD 85° 60.8 51.5 44.6 38.8 34.0 30.1 26.7 23.6	89.6 88.6 85.5 82.4 79.3 76.2 73.1 67.0	LJ 75° 81.4 81.4 80.3 79.3	2011/2125	55°	104 106 110 wind v Boom 60r radius (m) 17 18 20 22 24 26 28 30	n + Jib 24n State	LJD 85° 157.5 136.5 119.7 107.1 96.1	259.4 249.9 239.4 228.9 216.3	IJ	37.1 DB	36.5 35.5 33.4
Boom 48 radius (m) 34 38 42 46 50 54 58 62 66 66	<u>3m+ Jib 72r</u> State	LJD 85° 60.8 51.5 44.6 38.8 34.0 30.1 26.7 23.6 21.0	89.6 88.6 85.5 82.4 79.3 76.2 73.1 67.0 59.2	LJ 75° 81.4 81.4 80.3 79.3 74.2	65°	55°	104 106 110 wind v Boom 60r radius (m) 17 18 20 22 24 26 28 30 31	n + Jib 24n State	LJD 85° 157.5 136.5 119.7 107.1 96.1 87.2	259.4 249.9 239.4 228.9 216.3 202.7		37.1 DB	36.5 35.5 33.4
Boom 48 radius (m) 34 38 42 46 50 54 58 62 66 70	<u>3m+ Jib 72r</u> State	LJD 85° 60.8 51.5 44.6 38.8 34.0 30.1 26.7 23.6 21.0 18.7	89.6 88.6 85.5 82.4 79.3 76.2 73.1 67.0 59.2 52.0	LJ 75° 81.4 81.4 80.3 79.3 74.2 69.0	65°	55°	104 106 110 wind v Boom 60r radius (m) 17 18 20 22 24 26 28 30 31 32	n + Jib 24n State	LJD 85° 157.5 136.5 119.7 107.1 96.1 87.2	259.4 249.9 239.4 228.9 216.3 202.7	LJ 75° 203.2	37.1 DB	36.5 35.5 33.4
Boom 48 radius (m) 34 38 42 50 54 58 62 66 70 74	<u>3m+ Jib 72r</u> State	LJD 85° 60.8 51.5 44.6 38.8 34.0 30.1 26.7 23.6 21.0	89.6 88.6 85.5 82.4 79.3 76.2 73.1 67.0 59.2	LJ 75° 81.4 81.4 80.3 79.3 74.2 69.0 63.3	65° 63.9 63.3	55°	104 106 110 wind v Boom 60r radius (m) 17 18 20 22 24 26 28 30 31 32 34	n + Jib 24n State	LJD 85° 157.5 136.5 119.7 107.1 96.1 87.2	259.4 249.9 239.4 228.9 216.3 202.7	LJ 75° 203.2 188.8	37.1 DB	36.5 35.5 33.4
Boom 48 radius (m) 34 38 42 46 50 54 58 62 66 70 74 78	<u>3m+ Jib 72r</u> State	LJD 85° 60.8 51.5 44.6 38.8 34.0 30.1 26.7 23.6 21.0 18.7	89.6 88.6 85.5 82.4 79.3 76.2 73.1 67.0 59.2 52.0	LJ 75° 81.4 81.4 80.3 79.3 74.2 69.0 63.3 56.1	65° 63.9 63.3 60.8	55°	104 106 110 wind v Boom 60r radius (m) 17 18 20 22 24 26 28 30 31 32 34 38	n + Jib 24n State	LJD 85° 157.5 136.5 119.7 107.1 96.1 87.2	259.4 249.9 239.4 228.9 216.3 202.7	LJ 75° 203.2 188.8 165.1	37.1 DB	36.5 35.5 33.4
Boom 48 radius (m) 34 38 42 50 54 58 62 66 70 74	<u>3m+ Jib 72r</u> State	LJD 85° 60.8 51.5 44.6 38.8 34.0 30.1 26.7 23.6 21.0 18.7	89.6 88.6 85.5 82.4 79.3 76.2 73.1 67.0 59.2 52.0	LJ 75° 81.4 81.4 80.3 79.3 74.2 69.0 63.3	65° 63.9 63.3 60.8 57.2	55°	104 106 110 wind v Boom 60r radius (m) 17 18 20 22 24 26 28 30 31 32 34	n + Jib 24n State	LJD 85° 157.5 136.5 119.7 107.1 96.1 87.2	259.4 249.9 239.4 228.9 216.3 202.7	LJ 75° 203.2 188.8	37.1 DB	36.5 35.5 33.4
Boom 48 radius (m) 34 38 42 46 50 54 58 62 66 70 74 78 82	<u>3m+ Jib 72r</u> State	LJD 85° 60.8 51.5 44.6 38.8 34.0 30.1 26.7 23.6 21.0 18.7	89.6 88.6 85.5 82.4 79.3 76.2 73.1 67.0 59.2 52.0	LJ 75° 81.4 81.4 80.3 79.3 74.2 69.0 63.3 56.1 49.2	65° 63.9 63.3 60.8	55°	104 106 110 wind v Boom 60r radius (m) 17 18 20 22 24 26 28 30 31 32 34 38 40	n + Jib 24n State	LJD 85° 157.5 136.5 119.7 107.1 96.1 87.2	259.4 249.9 239.4 228.9 216.3 202.7	LJ 75° 203.2 188.8 165.1	37.1 DB 65°	36.5 35.5 33.4
Boom 48 radius (m) 34 38 42 46 50 54 58 62 66 70 74 78 82 84	<u>3m+ Jib 72r</u> State	LJD 85° 60.8 51.5 44.6 38.8 34.0 30.1 26.7 23.6 21.0 18.7	89.6 88.6 85.5 82.4 79.3 76.2 73.1 67.0 59.2 52.0	LJ 75° 81.4 81.4 80.3 79.3 74.2 69.0 63.3 56.1 49.2	65° 63.9 63.3 60.8 57.2 55.1 53.6 50.7		104 106 110 wind v Boom 60r radius (m) 17 18 20 22 24 26 28 30 31 32 34 38 40 42	n + Jib 24n State	LJD 85° 157.5 136.5 119.7 107.1 96.1 87.2	259.4 249.9 239.4 228.9 216.3 202.7	LJ 75° 203.2 188.8 165.1	37.1 DB 65°	36.5 35.5 33.4
3000m 48 radius (m) 34 38 42 46 50 54 54 62 66 67 74 78 82 84 86 90 92	<u>3m+ Jib 72r</u> State	LJD 85° 60.8 51.5 44.6 38.8 34.0 30.1 26.7 23.6 21.0 18.7	89.6 88.6 85.5 82.4 79.3 76.2 73.1 67.0 59.2 52.0	LJ 75° 81.4 81.4 80.3 79.3 74.2 69.0 63.3 56.1 49.2	65° 63.9 63.3 60.8 57.2 55.1 53.6	50.4 47.4 45.9	104 106 110 wind v Boom 60r radius (m) 17 18 20 22 24 26 28 30 31 32 34 38 40 42 44 46 50	n + Jib 24n State	LJD 85° 157.5 136.5 119.7 107.1 96.1 87.2	259.4 249.9 239.4 228.9 216.3 202.7	LJ 75° 203.2 188.8 165.1	37.1 DB 65°	36.5 35.5 33.4
Boom 48 radius (m) 34 38 42 46 50 54 58 62 66 70 74 882 84 86 90 92 94	<u>3m+ Jib 72r</u> State	LJD 85° 60.8 51.5 44.6 38.8 34.0 30.1 26.7 23.6 21.0 18.7	89.6 88.6 85.5 82.4 79.3 76.2 73.1 67.0 59.2 52.0	LJ 75° 81.4 81.4 80.3 79.3 74.2 69.0 63.3 56.1 49.2	65° 63.9 63.3 60.8 57.2 55.1 53.6 50.7	50.4 47.4 45.9 44.7	104 106 110 wind v Boom 60r radius (m) 17 18 20 22 24 26 28 30 31 32 34 38 40 42 44 46 50 54	n + Jib 24n State	LJD 85° 157.5 136.5 119.7 107.1 96.1 87.2	259.4 249.9 239.4 228.9 216.3 202.7	LJ 75° 203.2 188.8 165.1	37.1 DB 65°	36.5 35.5 33.4 55°
Boom 48 radius (m) 34 38 42 46 50 54 58 62 66 70 74 78 82 84 86 90 92 94 98	<u>3m+ Jib 72r</u> State	LJD 85° 60.8 51.5 44.6 38.8 34.0 30.1 26.7 23.6 21.0 18.7	89.6 88.6 85.5 82.4 79.3 76.2 73.1 67.0 59.2 52.0	LJ 75° 81.4 81.4 80.3 79.3 74.2 69.0 63.3 56.1 49.2	65° 63.9 63.3 60.8 57.2 55.1 53.6 50.7	50.4 47.4 45.9 44.7 42.2	104 106 110 wind v Boom 60r radius (m) 17 18 20 22 24 26 28 30 31 32 34 38 40 42 44 46 50 54	n + Jib 24n State	LJD 85° 157.5 136.5 119.7 107.1 96.1 87.2	259.4 249.9 239.4 228.9 216.3 202.7	LJ 75° 203.2 188.8 165.1	37.1 DB 65°	36.5 35.5 33.4 55°
Boom 48 adius (m) 34 38 42 46 50 54 58 62 66 70 74 78 82 84 90 92 94 98 100	3m + Jib 72r State Boom	LJD 85° 60.8 51.5 44.6 38.8 34.0 30.1 26.7 23.6 21.0 18.7	89.6 88.6 85.5 82.4 79.3 76.2 73.1 67.0 59.2 52.0	LJ 75° 81.4 81.4 80.3 79.3 74.2 69.0 63.3 56.1 49.2 45.5	65° 63.9 63.3 60.8 57.2 55.1 53.6 50.7	50.4 47.4 45.9 44.7	104 106 110 wind v Boom 60r radius (m) 17 18 20 22 24 26 28 30 31 32 34 38 40 42 44 46 50 54 56 58	n + Jib 24n State	LJD 85° 157.5 136.5 119.7 107.1 96.1 87.2	259.4 249.9 239.4 228.9 216.3 202.7	LJ 75° 203.2 188.8 165.1	37.1 DB 65°	36.5 35.5 33.4 55°
Boom 48 adius (m) 34 38 42 46 50 54 58 62 66 70 74 78 82 84 86 90 92 94 98 100	<u>3m+ Jib 72r</u> State	LJD 85° 60.8 51.5 44.6 38.8 34.0 30.1 26.7 23.6 21.0 18.7	89.6 88.6 85.5 82.4 79.3 76.2 73.1 67.0 59.2 52.0	LJ 75° 81.4 81.4 80.3 79.3 74.2 69.0 63.3 56.1 49.2	65° 63.9 63.3 60.8 57.2 55.1 53.6 50.7	50.4 47.4 45.9 44.7 42.2	104 106 110 wind v Boom 60r radius (m) 17 18 20 22 24 26 28 30 31 32 34 38 40 42 44 46 50 54	n + Jib 24n State	LJD 85° 157.5 136.5 119.7 107.1 96.1 87.2	259.4 249.9 239.4 228.9 216.3 202.7	LJ 75° 203.2 188.8 165.1	37.1 DB 65°	36.5 35.5 33.4 55°

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.

		Load (Chart (of LJ	D/LJI	<mark>)B</mark> Op	erat	ting	Conditi	ion (Ho	ok Blo	ock)		
			LJD: Cou	interweig	nt 180mt	Cer	ntral ba	allast 80	mt 📕	JDB: Count	erweight 10	50mt		
			Superlift o	counterwe	eight 0 ~ 2	62mt	Su	ıperlift ı	adius 11m	~ 15m	Unit	: mt		
Boom60	m + Jib 36r	n					B	00m 60)m+Jib 601	n				
radius	State	LJD		LJ	DB	2		adius	State	LJD		IJ	DB	
(m)	Boom	85°	85°	75°	65°	55°		(m)	Boom	85°	85°	75°	65°	55°
20		134.4	190.1					28		81.1	106.1			
22		118.7	190.1					30		73.3	106.1		0	-
24		105.0	184.8					34		61.4	105.0			
26		94.5	179.6					38		52.5	101.9			
28		85.6	173.3					42		45.7	98.8		a	
30		78.2	168.0					46		39.9	94.6	00.0		
34		66.2	156.5	1/2.2				48		37.5	92.0	99.8		
38		56.7	143.9	163.3	-			50		35.2	89.4	99.8		
42		49.9	114.5	144.8				54		31.2	85.3	97.8		
46				129.8				58		27.9	75.9	93.6		-
50			-	117.4	105.4	├ ──┤		62		25.1	65.5	87.4	-	-
52				111.9	105.4 100.7			65				82.4	74.9	-
54			-					66				80.6		
58			¢	-	92.3			70			-	74.9	69.2	2
62 66					85.0	74.1		74 76				65.5	64.5 62.4	
				·								60.3	and the second sec	
70 72						68.8 66.3		78 82					60.3 56.7	
	velocity			0		00.5		84					55.1	50.5
wind	velocity			9m/s				86				2 1	53.0	49.1
								90					55.0	46.2
								94			-		-	43.6
									velocity			9m/s		10.0
							L		(the the the			711/3		
Boom 60	0m+Jib 48	m					B	00m 6()m+Jib 721	n				
radius	State	LJD	1	IJ	DB			adius	State	LJD		IJ	DB	
(m)	Boom	85°	85°	75°	65°	55°		(m)	Boom	85°	85°	75°	65°	55°
24		103.4	141.8					32						
26		92.4	141.8					34		59.2	79.3			
28		83.5	141.8					38		50.3	78.3			
30		76.1	138.6					42		43.3	76.2			
34		64.1	132.3					46		37.6	74.2			
38		55.1	125.0					50		32.9	72.1			
42		48.0	118.7	131.3				54		28.9	70.0	73.1		
46		42.2	112.4	128.3				58		25.4	68.0	73.1		
50		37.4	96.1	116.0				62		22.5	64.9	73.1		
54		33.5	78.8	105.6				66		19.9	61.3	71.1		
58				96.8				70		17.6	54.1	65.9		
60				92.8	87.1			74		15.7	47.3	61.8	57.7	
62		-		89.1	83.6			77				58.7	57.4	
64				85.6	80.4			78				57.7	57.2	
66					77.4			82				53.6	53.6	
70					71.8			86				48.0	50.5	
74					66.8	62.7		90					47.5	
78						58.6		92			-		46.0	41.3
82	Carlor - Parcela					54.8		94		-	ļ		44.7	40.1
wind y	velocity			9m/s				96					43.6	38.8

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.

98

102

106

wind velocity

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.

37.7

35.5

33.6

9m/s

									<mark>ion (Ho</mark> 1				
			LJD: Cou	nterweigh	t 180mt	Cen	tral ballast 8	0mt	LJDB: Co	interweigh	nt 160mt		
			Superlift c	ounterwe	ight 0 ~ 2	62mt	Superlift	radius 11r	n ~ 15m	τ	Jnit: mt		
Boom (50m+Jib 841	m	-				Boom 7	2m+Jib 36	óm				
adius	State	LJD		IJ	DB		radius	State	LJD		IJ	DB	
(m)	Boom	85°	85°	75°	65°	55°	(m)	Boom	85°	85°	75°	65°	55
35							22		115.5	146.0			
38		49.0	58.7				24		102.9	143.9			
42		42.0	58.7				26		92.4	140.7			
46		36.4	57.7				28		83.5	136.5			
50		31.6	56.7				30		76.1	132.3	-		-
54 58		27.5	55.6				34 38		64.1 55.1	125.0	· · · ·		-
60		24.0 22.5	54.6 54.1	53.6			40		51.8	117.6 115.0	135.5	3	
62		21.0	53.6	53.6			40		48.4	112.4	135.5		
66		18.3	52.5	53.6			43		10.1	114.1	133.4		
70		16.1	50.5	53.6			46				126.9		
74		14.1	49.4	53.6			50				114.8		
78		12.4	45.3	53.6			54				104.5		
82		10.8	40.4	52.5	43.0		56				99.8		
86		9.5	35.2	49.4	43.0		58					88.3	
89				46.9	43.0		62					81.4	
90				46.4	43.0		66					75.3	
94				41.2	42.8		68					72.4	
98			_	36.2	40.3	600007.0.0	70						0.0023
102			-		38.0	33.3	72						62.
106			-		35.8	31.3	74						59.9
108	-				34.8	30.4	78				5		55.9
110			-			29.5							
114 118						27.8 26.4							
110						20.4							
loom 7	72m+Jib 24n	n					Boom 7	2m+Jib 48	m				
adius	State	LJD	[LJ	DB		radius	State	LJD	1	IJ	DB	
(m)	Boom	85°	85°	75°	65°	55°	(m)	Boom	85°	85°	75°	65°	55
18		154.4	194.3				25						
20		133.4	194.3				26		90.3	111.3			
22		117.6	183.8				28		81.4	111.3			
24		104.5	176.4				30		74.0	110.3			
26		94.0	170.1				34		62.5	106.1			
28		85.1	164.9				38		53.6	101.9	<u> </u>	<u> </u>	
30		77.7	159.6				42		46.5	96.6			
32							46		40.8	92.4	108.2		
34			-	176.4			50		36.1	88.2	106.1		<u> </u>
38				161.7		-	54		32.2	84.0	98.7	-	-
42 44			+	143.4			55 58			-	97.1		<u> </u>
44				135.4			58 62				93.5 87.0		
					108.1		62				87.0	76.1	<u> </u>
46			1		98.5		66				80.4	73.5	
46 50					10.0		00				00.7	10.0	
46 50 54													
46 50					94.1		70					68.3	
46 50 54													

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.

86

90

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.

47.3

44.5

	1						-	_				
							_					
2m + Jib 60n	ı					Boom 72	m + Jib 84ı	n				
State	LJD		IJ	DB		radius	State	LJD		LJ	DB	
Boom	85°	85°	75°	65°	55°	(m)	Boom	85°	85°	75°	65°	55
						36						
				s	· · · · · ·			47.4		a <u> </u>		-
								-				-
						-			0.0		1	-
												<u> </u>
	Access Distance							A 450 X 6650	-			<u> </u>
	24305 Michiga		822	â					-	16.1	-	-
	1 2 2 2 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1								1 1 1 1 2 1		2	
		22				-				2 2		15
									_	46.4		
	21.2	57.7	77.0			78		11.2	40.2	45.3		
			75.9			82		9.8	39.1	44.3		-
			72.3			86		8.4	36.1	43.3	36.1	
			69.7	62.9		90		7.3	31.1	43.3	35.9	
			67.6	60.3		94				41.2		
			62.9			-						-
						0.000				34.9	10000000	<u> </u>
			-		10.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			-	<u>. </u>		
	-	7. 1.		47.0					-			25.
											30.4	24.9
					38.4	110				× ×	S	
					36.2	114					28.7	23.4
velocity			Qrm/c			114 118	5				S	23.4 21.9
velocity			9m/s		36.2	114 118 122					S	23.4 21.9 20.7
velocity			9m/s		36.2	114 118 122 124	velocity			9m/s	S	23.4 21.9 20.7
velocity			9m/s		36.2	114 118 122 124	velocity			9m/s	S	23.4 21.9 20.7
2m + Jib 72n	1		9m/s		36.2	114 118 122 124	velocity			9m/s	S	23.4 21.9 20.7
2m + Jib 72n State	LJD		U	DB	36.2 34.2	114 118 122 124 wind y				9m/s	S	23.4 21.9 20.7
2m + Jib 72n		85°		DB 65°	36.2	114 118 122 124 wind y	m+Jib 36r				28.7	23.4 21.9 20.7
2m + Jib 72n State	LJD 85°		U	1	36.2 34.2	114 118 122 124 wind v Boom 84 radius	m+Jib 36r State	LJD		LJ	28.7	23.4 21.9 20.7 20.1
2m + Jib 72n State	LJD 85° 57.2	64.9	U	1	36.2 34.2	114 118 122 124 wind v Boom 84 radius (m)	m+Jib 36r		85°		28.7	23.4 21.9 20.7 20.7
2m + Jib 72n State	LJD 85° 57.2 48.6	64.9 64.9	U	1	36.2 34.2	114 118 122 124 wind v Boom 84 radius (m) 23	m+Jib 36r State	LJD 85°		LJ	28.7	23.4 21.9 20.7 20.7
2m + Jib 72n State	LJD 85° 57.2 48.6 41.7	64.9 64.9 62.8	U	1	36.2 34.2	114 118 122 124 wind y Boom 84 radius (m) 23 24	m+Jib 36r State	LJD 85° 99.8	110.3	LJ	28.7	23.4 21.9 20.7 20.7
2m + Jib 72n State	LJD 85° 57.2 48.6 41.7 36.2	64.9 64.9 62.8 61.8	U	1	36.2 34.2	114 118 122 124 wind v Boom 84 radius (m) 23 24 26	m+Jib 36r State	LJD 85° 99.8 89.8	110.3 107.1	LJ	28.7	23.4 21.9 20.7 20.7
2m + Jib 72n State	LJD 85° 57.2 48.6 41.7 36.2 31.6	64.9 64.9 62.8 61.8 59.7	U	1	36.2 34.2	114 118 122 124 wind v Boom 84 radius (m) 23 24 26 28	m+Jib 36r State	LJD 85° 99.8 89.8 80.9	110.3 107.1 104.0	LJ	28.7	23.4 21.9 20.7 20.7
2m + Jib 72n State	LID 85° 57.2 48.6 41.7 36.2 31.6 27.5	64.9 64.9 62.8 61.8 59.7 57.7	U	1	36.2 34.2	114 118 122 124 wind v Boom 84 radius (m) 23 24 26	m+Jib 36r State	LJD 85° 99.8 89.8 80.9 74.0	110.3 107.1 104.0 100.8	LJ	28.7	23.4 21.9 20.7 20.7
2m + Jib 72n State	LJD 85° 57.2 48.6 41.7 36.2 31.6	64.9 64.9 62.8 61.8 59.7	LJ 75°	1	36.2 34.2	114 118 122 124 wind v Boom 84 radius (m) 23 24 26 28 30	m+Jib 36r State	LJD 85° 99.8 89.8 80.9	110.3 107.1 104.0	LJ	28.7	23.4 21.9 20.7 20.7
2m + Jib 72n State	LJD 85° 57.2 48.6 41.7 36.2 31.6 27.5 24.1	64.9 64.9 62.8 61.8 59.7 57.7 55.6	LJ 75° 61.8	1	36.2 34.2	114 118 122 124 wind v Boom 84 radius (m) 23 24 26 28 30 34	m+Jib 36r State	LJD 85° 99.8 89.8 80.9 74.0 62.5	110.3 107.1 104.0 100.8 95.6	LJ	28.7	23.4 21.9 20.7 20.7
2m + Jib 72n State	LJD 85° 57.2 48.6 41.7 36.2 31.6 27.5 24.1 21.2	64.9 64.9 62.8 61.8 59.7 57.7 55.6 54.6	LJ 75° 61.8 61.8	1	36.2 34.2	114 118 122 124 wind v Boom 84 radius (m) 23 24 26 28 30 34 38	m+Jib 36r State	LID 85° 99.8 89.8 80.9 74.0 62.5 53.6	110.3 107.1 104.0 100.8 95.6 91.4	LJ	28.7	23.4 21.9 20. 20.
2m + Jib 72n State	LJD 85° 57.2 48.6 41.7 36.2 31.6 27.5 24.1 21.2 18.6 16.5 14.5	64.9 64.9 62.8 61.8 59.7 57.7 55.6 54.6 52.5	LJ 75° 61.8 61.8 61.8 61.8 60.8 60.8	1	36.2 34.2	114 118 122 124 wind v Boom 84 radius (m) 23 24 26 28 30 34 42 44 46	m+Jib 36r State	LID 85° 99.8 89.8 80.9 74.0 62.5 53.6	110.3 107.1 104.0 100.8 95.6 91.4	LJ 75°	28.7	23.4 21.9 20.7
2m + Jib 72n State	LID 85° 57.2 48.6 41.7 36.2 31.6 27.5 24.1 21.2 18.6 16.5	64.9 64.9 62.8 61.8 59.7 57.7 55.6 54.6 52.5 49.4	LJ 75° 61.8 61.8 60.8 60.8 60.8 59.7	65°	36.2 34.2	114 118 122 124 wind v Boom 84 radius (m) 23 24 26 28 30 34 38 42 44 46 50	m+Jib 36r State	LID 85° 99.8 89.8 80.9 74.0 62.5 53.6	110.3 107.1 104.0 100.8 95.6 91.4	LJ 75° 105.0 105.0 99.8	28.7	23.4 21.9 20. 20.
2m + Jib 72n State	LJD 85° 57.2 48.6 41.7 36.2 31.6 27.5 24.1 21.2 18.6 16.5 14.5	64.9 64.9 62.8 61.8 59.7 57.7 55.6 54.6 52.5 49.4 46.4	LJ 75° 61.8 61.8 61.8 60.8 60.8 60.8 59.7 58.2	65°	36.2 34.2	114 118 122 124 wind v Boom 84 radius (m) 23 24 26 28 30 34 38 42 44 46 50 54	m+Jib 36r State	LID 85° 99.8 89.8 80.9 74.0 62.5 53.6	110.3 107.1 104.0 100.8 95.6 91.4	LJ. 75° 105.0 105.0 99.8 94.5	28.7	23.4 21.9 20.7 20.7
2m + Jib 72n State	LJD 85° 57.2 48.6 41.7 36.2 31.6 27.5 24.1 21.2 18.6 16.5 14.5	64.9 64.9 62.8 61.8 59.7 57.7 55.6 54.6 52.5 49.4 46.4	LJ 75° 61.8 61.8 61.8 60.8 60.8 59.7 58.2 56.1	65° 49.1 49.1	36.2 34.2	114 118 122 124 wind v Boom 84 radius (m) 23 24 26 28 30 34 38 42 46 50 54 58	m+Jib 36r State	LID 85° 99.8 89.8 80.9 74.0 62.5 53.6	110.3 107.1 104.0 100.8 95.6 91.4	LJ 75° 105.0 105.0 99.8	28.7	23.4 21.9 20.7 20.7
2m + Jib 72n State	LJD 85° 57.2 48.6 41.7 36.2 31.6 27.5 24.1 21.2 18.6 16.5 14.5	64.9 64.9 62.8 61.8 59.7 57.7 55.6 54.6 52.5 49.4 46.4	LJ 75° 61.8 61.8 61.8 60.8 60.8 60.8 60.8 60.8 53.0	65° 49.1 49.1 46.7	36.2 34.2	114 118 122 124 wind v Boom 84 radius (m) 23 24 26 28 30 34 38 42 44 50 54 58 62	m+Jib 36r State	LID 85° 99.8 89.8 80.9 74.0 62.5 53.6	110.3 107.1 104.0 100.8 95.6 91.4	LJ. 75° 105.0 105.0 99.8 94.5	28.7 DB 65° 76.7	23.4 21.9 20.7 20.7
2m + Jib 72n State	LJD 85° 57.2 48.6 41.7 36.2 31.6 27.5 24.1 21.2 18.6 16.5 14.5	64.9 64.9 62.8 61.8 59.7 57.7 55.6 54.6 52.5 49.4 46.4	LJ 75° 61.8 61.8 61.8 60.8 60.8 59.7 58.2 56.1	65° 49.1 49.1 46.7 43.7	36.2 34.2	114 118 122 124 wind v Boom 84 radius (m) 23 24 26 28 30 34 38 42 44 46 50 54 58 62 66	m+Jib 36r State	LID 85° 99.8 89.8 80.9 74.0 62.5 53.6	110.3 107.1 104.0 100.8 95.6 91.4	LJ. 75° 105.0 105.0 99.8 94.5	28.7 DB 65°	23.4 21.9 20. 20.
2m + Jib 72n State	LJD 85° 57.2 48.6 41.7 36.2 31.6 27.5 24.1 21.2 18.6 16.5 14.5	64.9 64.9 62.8 61.8 59.7 57.7 55.6 54.6 52.5 49.4 46.4	LJ 75° 61.8 61.8 61.8 60.8 60.8 60.8 60.8 60.8 53.0	65° 49.1 49.1 46.7 43.7 41.0	36.2 34.2	114 118 122 124 wind v Boom 84 radius (m) 23 24 26 28 30 34 38 42 44 46 50 54 58 62 66 70	m+Jib 36r State	LID 85° 99.8 89.8 80.9 74.0 62.5 53.6	110.3 107.1 104.0 100.8 95.6 91.4	LJ. 75° 105.0 105.0 99.8 94.5	28.7 DB 65°	23.4 21.9 20. 20.
2m + Jib 72n State	LJD 85° 57.2 48.6 41.7 36.2 31.6 27.5 24.1 21.2 18.6 16.5 14.5	64.9 64.9 62.8 61.8 59.7 57.7 55.6 54.6 52.5 49.4 46.4	LJ 75° 61.8 61.8 61.8 60.8 60.8 60.8 60.8 60.8 53.0	65° 49.1 49.1 46.7 43.7 41.0 38.5	36.2 34.2	114 118 122 124 wind v Boom 84 radius (m) 23 24 26 28 300 34 38 42 44 46 50 54 58 62 66 70 72	m+Jib 36r State	LID 85° 99.8 89.8 80.9 74.0 62.5 53.6	110.3 107.1 104.0 100.8 95.6 91.4	LJ. 75° 105.0 105.0 99.8 94.5	28.7 DB 65°	23.4 21.9 20. 20.
2m + Jib 72n State	LJD 85° 57.2 48.6 41.7 36.2 31.6 27.5 24.1 21.2 18.6 16.5 14.5	64.9 64.9 62.8 61.8 59.7 57.7 55.6 54.6 52.5 49.4 46.4	LJ 75° 61.8 61.8 61.8 60.8 60.8 60.8 60.8 60.8 53.0	65° 49.1 49.1 49.1 46.7 43.7 41.0 38.5 37.5	36.2 34.2 55°	114 118 122 124 wind v Boom 84 radius (m) 23 24 26 28 30 34 38 42 44 46 50 54 58 62 66 70 72 74	m+Jib 36r State	LID 85° 99.8 89.8 80.9 74.0 62.5 53.6	110.3 107.1 104.0 100.8 95.6 91.4	LJ. 75° 105.0 105.0 99.8 94.5	28.7 DB 65°	23.4 21.9 20. 20.
2m + Jib 72n State	LJD 85° 57.2 48.6 41.7 36.2 31.6 27.5 24.1 21.2 18.6 16.5 14.5	64.9 64.9 62.8 61.8 59.7 57.7 55.6 54.6 52.5 49.4 46.4	LJ 75° 61.8 61.8 61.8 60.8 60.8 60.8 60.8 60.8 53.0	65° 49.1 49.1 46.7 43.7 41.0 38.5	36.2 34.2 55° 55° 31.6 30.6	114 118 122 124 wind v Boom 84 radius (m) 23 24 26 28 30 34 38 42 44 46 50 54 58 62 66 70 72 74 78	m+Jib 36r State	LID 85° 99.8 89.8 80.9 74.0 62.5 53.6	110.3 107.1 104.0 100.8 95.6 91.4	LJ. 75° 105.0 105.0 99.8 94.5	28.7 DB 65°	
2m + Jib 72n State	LJD 85° 57.2 48.6 41.7 36.2 31.6 27.5 24.1 21.2 18.6 16.5 14.5	64.9 64.9 62.8 61.8 59.7 57.7 55.6 54.6 52.5 49.4 46.4	LJ 75° 61.8 61.8 61.8 60.8 60.8 60.8 60.8 60.8 53.0	65° 49.1 49.1 49.1 46.7 43.7 41.0 38.5 37.5	36.2 34.2 55°	114 118 122 124 wind v Boom 84 radius (m) 23 24 26 28 30 34 38 42 44 46 50 54 58 62 66 70 72 74	m+Jib 36r State	LID 85° 99.8 89.8 80.9 74.0 62.5 53.6	110.3 107.1 104.0 100.8 95.6 91.4	LJ. 75° 105.0 105.0 99.8 94.5	28.7 DB 65°	23.4 21.9 20.7 20.7
	State	Sume State LJD Boom 85° 71.2 59.8 51.2 44.2 38.6 33.9 31.9 30.1 26.7 23.8	Superlift council State LJD Boom 85° 85° 71.2 85.3 59.8 84.2 51.2 82.2 44.2 75.9 38.6 75.9 33.9 73.8 31.9 72.8 30.1 71.8 26.7 68.6 23.8 66.6	Superlift counterweig State LJD LJ Boom 85° 85° 75° 71.2 85.3 75° 71.2 85.3 75° 59.8 84.2 71.2 51.2 82.2 144.2 33.9 73.8 33.9 31.9 72.8 82.2 26.7 68.6 82.2 23.8 66.6 80.1 21.2 57.7 77.0 75.9 72.3 69.7	Superlift counterweight 0 ~ 26 State LJD LJDB Boom 85° 85° 75° 65° 0 0 0 0 0 0 71.2 85.3 0 0 0 0 0 59.8 84.2 0	Superlift counterweight 0 ~ 262mt State LJD LJDB Boom 85° 85° 75° 65° 55° 71.2 85.3	Superlift counterweight $0 \sim 262mt$ Superlift m + Jib 60m Jane 110 LJDB Boom 85° 85° 75° 65° 55° Boom 85° 85° 75° 65° 55° 1 1 1 36 38 71.2 85.3 1 36 38 59.8 84.2 1 46 38 51.2 82.2 1 46 50 44.2 79.0 1 54 58 31.9 72.8 82.2 66 62 30.1 71.8 82.2 66 70 23.8 66.6 80.1 74 78 21.2 57.7 77.0 78 82 69.7 62.9 90 94 90 94 94 94 90 94 94 94 96 94 96 96 96 96 96 <th< td=""><td>Supertift counterweight 0 ~ 262mt Supertift radius 11n Supertift counterweight 0 ~ 262mt Supertift radius 11n Supertift counterweight 0 ~ 262mt Boom 72m + Jib 84r Supertift counterweight 0 ~ 262mt Boom 72m + Jib 84r Supertift counterweight 0 ~ 262mt Boom 72m + Jib 84r Supertift counterweight 0 ~ 262mt Boom 72m + Jib 84r Supertift counterweight 0 ~ 262mt Boom 72m + Jib 84r Supertift counterweight 0 ~ 265° So Supertift counterweight 0 ~ 262mt Boom 72m + Jib 84r Supertift counterweight 0 ~ 265° So Supertift counterweight 0 ~ 265° So Supertift counterweight 0 ~ 265° So So So Supertift counterweight 0 ~ 262mt Supertift counterweight 0 ~ 265° So So So So So So So <th< td=""><td>Superlift counterweight 0 ~ 262mt Superlift radius $11m ~ 15m$ Superlift counterweight 0 ~ 262mt Superlift radius $11m ~ 15m$ Superlift counterweight 0 ~ 262mt Superlift radius $11m ~ 15m$ Superlift counterweight 0 ~ 262mt Boom $72m + Jib 84m$ radius <math>5tite LIDB Boom <math>72m + Jib 84m radius <math>5tite LID Superlift radius $11m ~ 15m$ Boom <math>72m + Jib 84m radius <math>5tite LID Boom <math>72m + Jib 84m radius <math>5tite LID Superlift radius $11m ~ 15m$ Superlift radius $11m ~ 15m$ Boom <math>72m + Jib 84m radius <math>5tate LID Superlift radius $11m ~ 15m$ Superlift radius $11m ~ 15m$ Superlift radius $14m ~ 15m$ Superlift radius $11m ~ 15m$ Superlift radius $11m ~ 15m$ Superlift radius $11m ~ 15m$ Boom $72m + Jib 84m$</math></math></math></math></math></math></math></math></math></td><td>Supertift counterweight 0 ~ 262mt Supertift radius 11m ~ 15m Supertift counterweight 0 ~ 262mt Supertift radius 11m ~ 15m Supertift counterweight 0 ~ 262mt Supertift radius 11m ~ 15m Supertift counterweight 0 ~ 262mt Supertift radius 11m ~ 15m Supertift counterweight 0 ~ 262mt Supertift radius 11m ~ 15m Supertift counterweight 0 ~ 262mt Boom 72m + Jib 84m radius 11m ~ 15m Boom 72m + Jib 84m radius 11m ~ 15m Supertift counterweight 0 ~ 265° Su</td><td>Superlift counterweight 0 ~ 262mt Superlift radius $1 \ln \sim 15m$ Unit: mt Superlift counterweight 0 ~ 262mt Superlift radius $1 \ln \sim 15m$ Unit: mt State LJD LJD LJI Boom 85° 85° 75° 65° 55° T1.2 85.3 LJI 65° 55° 36 LJI 71.2 85.3 LJI 66.5° 55° 36 $-$ <</td><td>Light colspan="2">Light colspan="2" State LJD LJDB LJDB LJDB LJDB Boom 85° 85° 75° 65° 55° 36 1 1 71.2 85.3 1 1 38 47.4 49.4 1 1 51.2 82.2 1 46 34.9 48.4 1</td></th<></td></th<>	Supertift counterweight 0 ~ 262mt Supertift radius 11n Supertift counterweight 0 ~ 262mt Supertift radius 11n Supertift counterweight 0 ~ 262mt Boom 72m + Jib 84r Supertift counterweight 0 ~ 262mt Boom 72m + Jib 84r Supertift counterweight 0 ~ 262mt Boom 72m + Jib 84r Supertift counterweight 0 ~ 262mt Boom 72m + Jib 84r Supertift counterweight 0 ~ 262mt Boom 72m + Jib 84r Supertift counterweight 0 ~ 265° So Supertift counterweight 0 ~ 262mt Boom 72m + Jib 84r Supertift counterweight 0 ~ 265° So Supertift counterweight 0 ~ 265° So Supertift counterweight 0 ~ 265° So So So Supertift counterweight 0 ~ 262mt Supertift counterweight 0 ~ 265° So So So So So So So <th< td=""><td>Superlift counterweight 0 ~ 262mt Superlift radius $11m ~ 15m$ Superlift counterweight 0 ~ 262mt Superlift radius $11m ~ 15m$ Superlift counterweight 0 ~ 262mt Superlift radius $11m ~ 15m$ Superlift counterweight 0 ~ 262mt Boom $72m + Jib 84m$ radius <math>5tite LIDB Boom <math>72m + Jib 84m radius <math>5tite LID Superlift radius $11m ~ 15m$ Boom <math>72m + Jib 84m radius <math>5tite LID Boom <math>72m + Jib 84m radius <math>5tite LID Superlift radius $11m ~ 15m$ Superlift radius $11m ~ 15m$ Boom <math>72m + Jib 84m radius <math>5tate LID Superlift radius $11m ~ 15m$ Superlift radius $11m ~ 15m$ Superlift radius $14m ~ 15m$ Superlift radius $11m ~ 15m$ Superlift radius $11m ~ 15m$ Superlift radius $11m ~ 15m$ Boom $72m + Jib 84m$</math></math></math></math></math></math></math></math></math></td><td>Supertift counterweight 0 ~ 262mt Supertift radius 11m ~ 15m Supertift counterweight 0 ~ 262mt Supertift radius 11m ~ 15m Supertift counterweight 0 ~ 262mt Supertift radius 11m ~ 15m Supertift counterweight 0 ~ 262mt Supertift radius 11m ~ 15m Supertift counterweight 0 ~ 262mt Supertift radius 11m ~ 15m Supertift counterweight 0 ~ 262mt Boom 72m + Jib 84m radius 11m ~ 15m Boom 72m + Jib 84m radius 11m ~ 15m Supertift counterweight 0 ~ 265° Su</td><td>Superlift counterweight 0 ~ 262mt Superlift radius $1 \ln \sim 15m$ Unit: mt Superlift counterweight 0 ~ 262mt Superlift radius $1 \ln \sim 15m$ Unit: mt State LJD LJD LJI Boom 85° 85° 75° 65° 55° T1.2 85.3 LJI 65° 55° 36 LJI 71.2 85.3 LJI 66.5° 55° 36 $-$ <</td><td>Light colspan="2">Light colspan="2" State LJD LJDB LJDB LJDB LJDB Boom 85° 85° 75° 65° 55° 36 1 1 71.2 85.3 1 1 38 47.4 49.4 1 1 51.2 82.2 1 46 34.9 48.4 1</td></th<>	Superlift counterweight 0 ~ 262mt Superlift radius $11m ~ 15m$ Superlift counterweight 0 ~ 262mt Superlift radius $11m ~ 15m$ Superlift counterweight 0 ~ 262mt Superlift radius $11m ~ 15m$ Superlift counterweight 0 ~ 262mt Boom $72m + Jib 84m$ radius $5tite LIDB Boom 72m + Jib 84m radius 5tite LID Superlift radius 11m ~ 15m Boom 72m + Jib 84m radius 5tite LID Boom 72m + Jib 84m radius 5tite LID Superlift radius 11m ~ 15m Superlift radius 11m ~ 15m Boom 72m + Jib 84m radius 5tate LID Superlift radius 11m ~ 15m Superlift radius 11m ~ 15m Superlift radius 14m ~ 15m Superlift radius 11m ~ 15m Superlift radius 11m ~ 15m Superlift radius 11m ~ 15m Boom 72m + Jib 84m $	Supertift counterweight 0 ~ 262mt Supertift radius 11m ~ 15m Supertift counterweight 0 ~ 262mt Supertift radius 11m ~ 15m Supertift counterweight 0 ~ 262mt Supertift radius 11m ~ 15m Supertift counterweight 0 ~ 262mt Supertift radius 11m ~ 15m Supertift counterweight 0 ~ 262mt Supertift radius 11m ~ 15m Supertift counterweight 0 ~ 262mt Boom 72m + Jib 84m radius 11m ~ 15m Boom 72m + Jib 84m radius 11m ~ 15m Supertift counterweight 0 ~ 265° Su	Superlift counterweight 0 ~ 262mt Superlift radius $1 \ln \sim 15m$ Unit: mt Superlift counterweight 0 ~ 262mt Superlift radius $1 \ln \sim 15m$ Unit: mt State LJD LJD LJI Boom 85° 85° 75° 65° 55° T1.2 85.3 LJI 65° 55° 36 LJI 71.2 85.3 LJI 66.5° 55° 36 $ -$ <	Light colspan="2">Light colspan="2" State LJD LJDB LJDB LJDB LJDB Boom 85° 85° 75° 65° 55° 36 1 1 71.2 85.3 1 1 38 47.4 49.4 1 1 51.2 82.2 1 46 34.9 48.4 1

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.

9m/s

wind velocity

9m/s

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.

wind velocity

		LJD:	Counter	weight 1	80mt	Cen	tral ballast 8	0mt	LJDB: (Counterv			
	<u>L</u>										C Medicates		
	m+Jib48m State		1		DD			n + Jib 72m		1		DD	
adius (m)	Boom	LJD 85°	85°	75°	DB 65°	55°	radius (m)	State Boom	LJD 85°	85°	75°	DB 65°	55
26	Doom	84.0	85.6	13	0.5	33	34	Doom	49.4	50.5	15	0.5	
28	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	79.3	85.6		2		38		46.8	50.5			<u> </u>
30		71.9	83.0		1		42		40.1	49.4			1
34	2	60.4	79.8	- 22			46		34.6	48.4			
38		51.8	75.6				50		29.9	46.4			
42		44.9	72.5	i.			54		26.0	45.3			-
46		39.3	69.3	01.0			58		22.7	43.3	40.4	-	<u> </u>
48 50		37.0 34.8	68.3 67.2	81.9 81.9			60 62		21.2 19.8	42.7	48.4	-	-
54		31.0	64.1	80.9			66		19.8	40.2	47.4		+
56		51.0	1 23.1	79.8			70		17.5	39.1	47.4		1
58				77.7			74		13.3	38.1	46.4		
62				75.6	6 6		78		11.7	37.1	45.3		
66			4	71.4	1		79				44.8		-
70			-	68.3	63.5		82			+	44.3	262	-
74 78			+	÷.	59.3 55.1		84 86			+	43.3	36.5 36.5	-
82			+	~	52.1	0	90			<u> </u>	41.2	36.2	<u> </u>
84					50.5		94		1		40.2	35.2	-
86				1	0.010		98				1012	34.1	
88						39.9	102		-			32.3	
90						38.6	106					30.5	23.
94						36.3	110					<u> </u>	22.
96	1.5					35.4	114					<u> </u>	20.
wind	velocity	-		9m/s		, ni	118 120			-	-	-	19. 19.
								velocity		1	9m/s		17.
Boom 84	m+Jib 60m	i				1	Boom 84	m+Jib 84n	1				
adius	State	LJD			DB	-	radius	State	LJD		-	DB	
(m)	Boom	85°	85°	75°	65°	55°	(m)	Boom	85°	85°	75°	65°	55
30		64.0	66.6		-		37				<u> </u>		<u> </u>
34 38		57.7 49.4	66.6 64.5	d.	-	-	38 42		39.1 37.8	41.2	-		<u> </u>
42		49.4	61.4	<u>.</u>			42		32.5	40.2	-		<u> </u>
46		37.0	59.3				50		28.1	39.1			
50		32.6	57.2				54		24.5	38.1			
54		28.6	54.1	62.4			58		21.2	37.1			
58		25.3	52.0	62.4			62		18.3	36.1			
62		22.4	49.9	61.4	-		66		15.9	35.0	38.1		-
66		20.0	47.8	60.3	i		70		13.7	34.0	38.1		-
<u>68</u> 70			-	59.3 58.2			74		11.7	33.0	38.1		-
70 74			1	58.2 56.2	1: 		78 82		10.1 8.7	29.9	38.1		
78			1	54.1	48.3		86		7.3	28.8	36.1		
82				51.0	47.5		90		6.2	27.8	36.1		
86					45.4		91				35.5		
90					42.6		92			-	35.0	27.3	-
94			-	ć.	40.1		94				35.0	27.3	-
96 98			-		39.0	30.7	98				34.0	27.3	<u> </u>
98 102					-	30.7	102 104			1	31.9 25.4	26.9 26.6	-
102			1	2	-	28.8	104			1	23.4	26.3	-
108			1	<i>)</i> ,		26.4	110		5	1		25.4	
	velocity			9m/s			114					24.4	
							116					24.0	17.
							118				-	23.5	17.
							122						16.
							126 130			 	-		14. 14.

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.

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wind velocity

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.

13.6

9m/s

		LJD	: Counter	weight 1	80mt	Cen	tral ballast 80mt	LJDB: C			mt	
		Supe	erlift coun	terweigł	nt 0 ~ 26	2mt	Superlift radius 11	m ~ 15m		Unit: r	nt	
Boom 96	6m + Jib 36m		-				Boom 96m + Jib 601					
radius	State	LJD			DB		radius State	LJD	L	-	DB	
(m)	Boom	85°	85°	75°	65°	55°	(m) Boom	85°	85°	75°	65°	55°
24		82.4	85.1	-		-	31	10.2	10.0			-
26		82.4	85.1	-			34	48.2	48.2			<u> </u>
28		78.2	81.4	-			38	46.3	46.3		-	
30 34		71.4 59.9	78.8	-			42 46	41.2	44.2		-	
38		51.7	68.8				50	31.1	40.1	<u> </u>		
42		44.9	65.1				54	27.2	38.0		, , ,	
45		1.1.2	1 00.11				58	23.9	36.3	43.1		
46				70.9			62	21.1	34.7	43.1		
50				68.8			66	18.7	32.8	42.0		
54				65.1			69			40.4		
58				62.0			70			39.9		
62				57.2			74			38.9		
66							78			36.8	21.2	
68		6			55.1		82	0	-	34.7	31.3	
70 74					54.1 50.5	-	84 86	-		30.0	31.1 30.8	
74			×		46.5		90			<u> </u>	29.0	-
82		2			-10.5		90		-		29.0	
86		5				37.6	98	1			25.3	
90						35.3	100				24.6	
92						34.2	102	2				
wind	velocity			9m/s			104	1				21.6
							106					21.6
							110					20.3
							110 114					20.3
							110			9m/s		
200m 06	6m + Lib 48m						110 114 wind velocity			9m/s		20.3
	6m + Jib 48m State		T		DB		110 114 wind velocity Boom 96m + Jib 72n				DB	20.3
radius	State	LJD	85°	U	DB 65°	55°	110 114 wind velocity Boom 96m + Jib 72n radius State	LJD	85°	IJ	DB	20.3
radius (m)			85°		DB 65°	55°	110 114 wind velocity Boom 96m + Jib 72n radius State (m) Boom		85°		DB 65°	20.3
radius	State	LJD 85°		U		55°	110 114 wind velocity Boom 96m + Jib 72n radius State	LJD 85°	85° 36.4	IJ	T	20.3
radius (m) 27	State	LJD	85° 63.5 63.5	U		55°	110 114 wind velocity Boom 96m + Jib 72n radius State (m) Boom 35	LJD		IJ	T	20.3
radius (m) 27 28	State	LJD 85° 63.5	63.5 63.5 59.9	U		55°	110 114 wind velocity Boom 96m + Jib 72n radius State (m) Boom 35 38	LJD 85° 36.4	36.4	IJ	T	20.3
radius (m) 27 28 30 34 38	State	LJD 85° 63.5 63.5 58.3 49.9	63.5 63.5 59.9 56.7	U		55°	110 114 wind velocity Boom 96m + Jib 72r radius State (m) Boom 35 38 42 46 50 50	LJD 85° 36.4 35.1 31.9 27.7	36.4 35.1 33.8 32.3	IJ	T	20.3
radius (m) 27 28 30 34 38 42	State	LJD 85° 63.5 63.5 58.3 49.9 43.1	63.5 63.5 59.9 56.7 53.6	U		55°	110 114 wind velocity Boom 96m + Jib 72r radius State (m) Boom 35 38 42 46 50 54	LJD 85° 36.4 35.1 31.9 27.7 24.2	36.4 35.1 33.8 32.3 30.8	IJ	T	20.3
radius (m) 27 28 30 34 38 42 46	State	LJD 85° 63.5 58.3 49.9 43.1 37.7	63.5 63.5 59.9 56.7 53.6 51.0	U		55°	110 114 wind velocity Boom96m+Jib 72r radius State (m) Boom 35 38 42 46 50 54 58 58	LJD 85° 36.4 35.1 31.9 27.7 24.2 21.0	36.4 35.1 33.8 32.3 30.8 29.3	IJ	T	20.3
adius (m) 27 28 30 34 38 42 46 50	State	LJD 85° 63.5 58.3 49.9 43.1 37.7 33.2	63.5 63.5 59.9 56.7 53.6 51.0 48.5	LJ 75°		55°	110 114 wind velocity Boom 96m + Jib 72n radius State (m) Boom 35 38 42 46 50 54 58 62	LJD 85° 36.4 35.1 31.9 27.7 24.2 21.0 18.2	36.4 35.1 33.8 32.3 30.8 29.3 27.8	LJ 75°	T	20.3
adius (m) 27 28 30 34 38 42 46 50 52	State	LJD 85° 63.5 58.3 49.9 43.1 37.7 33.2 31.3	63.5 63.5 59.9 56.7 53.6 51.0 48.5 47.3	LJ 75° 54.6		55°	110 114 wind velocity Boom 96m + Jib 72n radius State (m) Boom 35 38 42 46 50 54 58 62 64 64	LJD 85° 36.4 35.1 31.9 27.7 24.2 21.0 18.2 17.0	36.4 35.1 33.8 32.3 30.8 29.3 27.8 27.8 27.3	LJ 75° 33.0	T	20.3
adius (m) 27 28 30 34 38 42 46 50 52 52 54	State	LJD 85° 63.5 58.3 49.9 43.1 37.7 33.2	63.5 63.5 59.9 56.7 53.6 51.0 48.5	LJ 75° 54.6 54.6		559	110 114 wind velocity Boom 96m + Jib 72r radius State (m) Boom 35 38 42 46 50 54 58 62 64 66	LJD 85° 36.4 35.1 31.9 27.7 24.2 21.0 18.2 17.0 15.9	36.4 35.1 33.8 32.3 30.8 29.3 27.8 27.3 26.8	LJ 75° 33.0 33.0	T	20.3
adius (m) 27 28 30 34 38 42 46 50 52 54 57	State	LJD 85° 63.5 58.3 49.9 43.1 37.7 33.2 31.3	63.5 63.5 59.9 56.7 53.6 51.0 48.5 47.3	LJ 75° 54.6 54.6 53.0		55°	110 114 wind velocity Boom 96m + Jib 72r radius State (m) Boom 35 38 42 46 50 54 58 62 64 66 70 70	LJD 85° 36.4 35.1 31.9 27.7 24.2 21.0 18.2 17.0 15.9 13.8	36.4 35.1 33.8 32.3 30.8 29.3 27.8 27.8 27.3 26.8 25.8	LJ 75° 33.0 33.0 31.9	T	20.3
adius (m) 27 28 30 34 38 42 46 50 52 54 57 58	State	LJD 85° 63.5 58.3 49.9 43.1 37.7 33.2 31.3	63.5 63.5 59.9 56.7 53.6 51.0 48.5 47.3	LJ 75° 54.6 54.6 54.6 53.0 52.5		55°	110 114 wind velocity Boom 96m + Jib 72r radius State (m) Boom 35 38 42 46 50 54 58 62 64 66 70 74	LJD 85° 36.4 35.1 31.9 27.7 24.2 21.0 18.2 17.0 15.9 13.8 11.9	36.4 35.1 33.8 32.3 30.8 29.3 27.8 27.3 26.8 25.8 24.7	LJ 75° 33.0 33.0 31.9 30.9	T	20.3
adius (m) 27 28 30 34 38 42 46 50 52 54 57 58 62	State	LJD 85° 63.5 58.3 49.9 43.1 37.7 33.2 31.3	63.5 63.5 59.9 56.7 53.6 51.0 48.5 47.3	LJ 75° 54.6 54.6 53.0 52.5 50.4		55°	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	LJD 85° 36.4 35.1 31.9 27.7 24.2 21.0 18.2 17.0 15.9 13.8	36.4 35.1 33.8 32.3 30.8 29.3 27.8 27.8 27.3 26.8 25.8	LJ 75° 33.0 33.0 31.9 30.9 29.9	T	20.3
adius (m) 27 28 30 34 38 42 46 50 52 54 57 58 62 66	State	LJD 85° 63.5 58.3 49.9 43.1 37.7 33.2 31.3	63.5 63.5 59.9 56.7 53.6 51.0 48.5 47.3	LJ 75° 54.6 54.6 53.0 52.5 50.4 48.3		55°	110 114 wind velocity Boom 96m + Jib 721 radius State (m) Boom 35 38 42 46 50 54 58 62 64 66 70 74 78 80	LJD 85° 36.4 35.1 31.9 27.7 24.2 21.0 18.2 17.0 15.9 13.8 11.9	36.4 35.1 33.8 32.3 30.8 29.3 27.8 27.3 26.8 25.8 24.7	LJ 75° 33.0 33.0 31.9 30.9 29.9 29.9	T	20.3
adius (m) 27 28 30 34 38 42 46 50 52 54 57 58 62 66 70	State	LJD 85° 63.5 58.3 49.9 43.1 37.7 33.2 31.3	63.5 63.5 59.9 56.7 53.6 51.0 48.5 47.3	LJ 75° 54.6 54.6 53.0 52.5 50.4 48.3 45.2	65°	55°	110 114 wind velocity Boom 96m + Jib 72n radius State (m) Boom 35 38 42 46 50 54 58 62 64 66 70 74 78 80 82 82	LJD 85° 36.4 35.1 31.9 27.7 24.2 21.0 18.2 17.0 15.9 13.8 11.9	36.4 35.1 33.8 32.3 30.8 29.3 27.8 27.3 26.8 25.8 24.7	LJ 75° 33.0 33.0 31.9 29.9 29.9 28.8	T	20.3
adius (m) 27 28 30 34 38 42 46 50 52 54 57 58 62 66	State	LJD 85° 63.5 58.3 49.9 43.1 37.7 33.2 31.3	63.5 63.5 59.9 56.7 53.6 51.0 48.5 47.3	LJ 75° 54.6 54.6 53.0 52.5 50.4 48.3		55°	110 114 wind velocity Boom 96m + Jib 721 radius State (m) Boom 35 38 42 46 50 54 58 62 64 66 70 74 78 80	LJD 85° 36.4 35.1 31.9 27.7 24.2 21.0 18.2 17.0 15.9 13.8 11.9	36.4 35.1 33.8 32.3 30.8 29.3 27.8 27.3 26.8 25.8 24.7	LJ 75° 33.0 33.0 31.9 30.9 29.9 29.9	T	20.3
adius (m) 27 28 30 34 38 42 46 50 52 54 57 58 62 66 70 74	State	LJD 85° 63.5 58.3 49.9 43.1 37.7 33.2 31.3	63.5 63.5 59.9 56.7 53.6 51.0 48.5 47.3	LJ 75° 54.6 54.6 53.0 52.5 50.4 48.3 45.2	65°	55°	110 114 wind velocity Boom 96m + Jib 72r radius State (m) Boom 35 38 42 46 50 54 58 62 64 66 70 74 78 80 82 86	LJD 85° 36.4 35.1 31.9 27.7 24.2 21.0 18.2 17.0 15.9 13.8 11.9	36.4 35.1 33.8 32.3 30.8 29.3 27.8 27.3 26.8 25.8 24.7	LJ 75° 33.0 33.0 31.9 30.9 29.9 29.9 28.8 27.8		20.3
adius (m) 27 28 30 34 38 42 46 50 52 54 57 58 62 66 70 74 78	State	LJD 85° 63.5 58.3 49.9 43.1 37.7 33.2 31.3	63.5 63.5 59.9 56.7 53.6 51.0 48.5 47.3	LJ 75° 54.6 54.6 53.0 52.5 50.4 48.3 45.2	65° 42.5 41.4	55°	110 114 wind velocity Boom 96m + Jib 72r radius State (m) Boom 35 38 42 46 50 54 58 62 64 66 70 74 78 80 82 86 90 90	LJD 85° 36.4 35.1 31.9 27.7 24.2 21.0 18.2 17.0 15.9 13.8 11.9	36.4 35.1 33.8 32.3 30.8 29.3 27.8 27.3 26.8 25.8 24.7	LJ 75° 33.0 33.0 31.9 30.9 29.9 29.9 29.9 28.8 27.8 26.8	65°	20.3
adius (m) 27 28 30 34 33 8 42 46 50 52 54 54 57 55 8 62 66 62 66 70 74 78 82 88	State	LJD 85° 63.5 58.3 49.9 43.1 37.7 33.2 31.3	63.5 63.5 59.9 56.7 53.6 51.0 48.5 47.3	LJ 75° 54.6 54.6 53.0 52.5 50.4 48.3 45.2	65° 42.5 41.4 38.9	55°	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	LJD 85° 36.4 35.1 31.9 27.7 24.2 21.0 18.2 17.0 15.9 13.8 11.9	36.4 35.1 33.8 32.3 30.8 29.3 27.8 27.3 26.8 25.8 24.7	LJ 75° 33.0 33.0 31.9 30.9 29.9 29.9 28.8 27.8 26.8 26.8 24.9	65° 22.9 22.5 22.0 21.4	20.3
adius (m) 27 28 30 33 4 38 42 46 50 55 52 54 57 58 62 66 70 74 78 88 88 88 90	State	LJD 85° 63.5 58.3 49.9 43.1 37.7 33.2 31.3	63.5 63.5 59.9 56.7 53.6 51.0 48.5 47.3	LJ 75° 54.6 54.6 53.0 52.5 50.4 48.3 45.2	65° 42.5 41.4 38.9 36.3		110 114 wind velocity Boom 96m + Jib 72r radius State (m) Boom 35 38 42 46 50 54 58 62 64 66 70 74 78 80 82 86 90 94 96 98 102 102	LJD 85° 36.4 35.1 31.9 27.7 24.2 21.0 18.2 17.0 15.9 13.8 11.9	36.4 35.1 33.8 32.3 30.8 29.3 27.8 27.3 26.8 25.8 24.7	LJ 75° 33.0 33.0 31.9 30.9 29.9 29.9 28.8 27.8 26.8 26.8 24.9	65° 22.9 22.5 22.0 21.4 20.1	20.3
adius (m) 27 28 30 33 34 42 46 50 52 55 54 57 58 62 66 66 70 74 78 82 88 88 89 90	State	LJD 85° 63.5 58.3 49.9 43.1 37.7 33.2 31.3	63.5 63.5 59.9 56.7 53.6 51.0 48.5 47.3	LJ 75° 54.6 54.6 53.0 52.5 50.4 48.3 45.2	65° 42.5 41.4 38.9 36.3		110 114 wind velocity Boom 96m + Jib 72r radius State (m) Boom 35 38 42 46 50 54 58 62 64 66 70 74 78 80 82 86 90 94 96 98 102 106	LJD 85° 36.4 35.1 31.9 27.7 24.2 21.0 18.2 17.0 15.9 13.8 11.9	36.4 35.1 33.8 32.3 30.8 29.3 27.8 27.3 26.8 25.8 24.7	LJ 75° 33.0 33.0 31.9 30.9 29.9 29.9 28.8 27.8 26.8 26.8 24.9	65° 22.9 22.5 22.0 21.4 20.1 18.6	20.3
adius (m) 27 28 30 33 33 34 42 46 50 52 55 54 57 58 62 66 66 66 66 66 62 68 88 88 88 88 90 94 94	State	LJD 85° 63.5 58.3 49.9 43.1 37.7 33.2 31.3	63.5 63.5 59.9 56.7 53.6 51.0 48.5 47.3	LJ 75° 54.6 54.6 53.0 52.5 50.4 48.3 45.2	65° 42.5 41.4 38.9 36.3	29.3	110 114 wind velocity Boom 96m + Jib 72r radius State (m) Boom 35 38 42 46 50 54 58 62 64 66 70 74 78 80 80 82 86 90 94 96 98 102 106 110	LJD 85° 36.4 35.1 31.9 27.7 24.2 21.0 18.2 17.0 15.9 13.8 11.9	36.4 35.1 33.8 32.3 30.8 29.3 27.8 27.3 26.8 25.8 24.7	LJ 75° 33.0 33.0 31.9 30.9 29.9 29.9 28.8 27.8 26.8 26.8 24.9	65° 22.9 22.5 22.0 21.4 20.1 18.6 17.4	20.3
adius (m) 27 28 30 33 34 38 42 46 50 52 55 55 55 55 55 55 55 55 56 2 57 77 74 77 8 82 86 88 88 90 94 99 96 98	State	LJD 85° 63.5 58.3 49.9 43.1 37.7 33.2 31.3	63.5 63.5 59.9 56.7 53.6 51.0 48.5 47.3	LJ 75° 54.6 54.6 53.0 52.5 50.4 48.3 45.2	65° 42.5 41.4 38.9 36.3	29.3 28.4	110 114 wind velocity Boom 96m + Jib 72r radius State (m) Boom 35 38 42 46 50 54 58 62 64 66 70 74 78 80 82 86 90 94 96 98 102 106 110 112	LJD 85° 36.4 35.1 31.9 27.7 24.2 21.0 18.2 17.0 15.9 13.8 11.9	36.4 35.1 33.8 32.3 30.8 29.3 27.8 27.3 26.8 25.8 24.7	LJ 75° 33.0 33.0 31.9 30.9 29.9 29.9 28.8 27.8 26.8 26.8 24.9	65° 22.9 22.5 22.0 21.4 20.1 18.6	
adius (m) 27 28 30 33 34 42 46 50 52 54 57 55 57 58 62 66 66 70 74 78 82 86 88 88 90 94 99 99 99 99 90 99	State	LJD 85° 63.5 58.3 49.9 43.1 37.7 33.2 31.3	63.5 63.5 59.9 56.7 53.6 51.0 48.5 47.3	LJ 75° 54.6 54.6 53.0 52.5 50.4 48.3 45.2	65° 42.5 41.4 38.9 36.3	29.3 28.4 26.7	110 114 wind velocity Boom 96m + Jib 72r radius State (m) Boom 35 38 42 46 50 54 58 62 64 66 70 74 78 80 82 86 90 94 96 98 102 106 110 112 114 114	LJD 85° 36.4 35.1 31.9 27.7 24.2 21.0 18.2 17.0 15.9 13.8 11.9	36.4 35.1 33.8 32.3 30.8 29.3 27.8 27.3 26.8 25.8 24.7	LJ 75° 33.0 33.0 31.9 30.9 29.9 29.9 28.8 27.8 26.8 26.8 24.9	65° 22.9 22.5 22.0 21.4 20.1 18.6 17.4	
adius (m) 27 28 30 33 43 42 46 50 55 52 54 57 58 62 66 70 74 78 86 62 66 70 74 78 88 88 88 90 94 96 98 102	State Boom	LJD 85° 63.5 58.3 49.9 43.1 37.7 33.2 31.3	63.5 63.5 59.9 56.7 53.6 51.0 48.5 47.3	LJ 75° 54.6 54.6 53.0 52.5 50.4 48.3 45.2 43.1	65° 42.5 41.4 38.9 36.3	29.3 28.4	110 114 wind velocity Boom 96m + Jib 72r radius State (m) Boom 35 38 42 46 50 54 58 62 64 66 70 74 78 80 82 86 90 94 96 98 102 106 112 114 118	LJD 85° 36.4 35.1 31.9 27.7 24.2 21.0 18.2 17.0 15.9 13.8 11.9	36.4 35.1 33.8 32.3 30.8 29.3 27.8 27.3 26.8 25.8 24.7	LJ 75° 33.0 33.0 31.9 30.9 29.9 29.9 28.8 27.8 26.8 26.8 24.9	65° 22.9 22.5 22.0 21.4 20.1 18.6 17.4	20.3.18.8
adius (m) 27 28 30 33 33 42 50 55 52 54 57 58 62 66 66 70 74 78 82 88 88 890 94 99 99 98 102	State	LJD 85° 63.5 58.3 49.9 43.1 37.7 33.2 31.3	63.5 63.5 59.9 56.7 53.6 51.0 48.5 47.3	LJ 75° 54.6 54.6 53.0 52.5 50.4 48.3 45.2	65° 42.5 41.4 38.9 36.3	29.3 28.4 26.7	110 114 wind velocity Boom 96m + Jib 72r radius State (m) Boom 35 38 42 46 50 54 58 62 64 66 70 74 78 80 82 86 90 94 96 98 102 106 110 112 114 114	LJD 85° 36.4 35.1 31.9 27.7 24.2 21.0 18.2 17.0 15.9 13.8 11.9	36.4 35.1 33.8 32.3 30.8 29.3 27.8 27.3 26.8 25.8 24.7	LJ 75° 33.0 33.0 31.9 30.9 29.9 29.9 28.8 27.8 26.8 26.8 24.9	65° 22.9 22.5 22.0 21.4 20.1 18.6 17.4	

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.

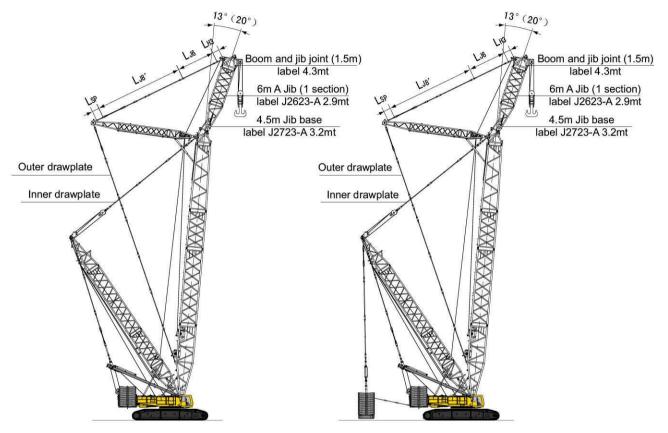
	12	_					0	-	on (Hoo LIDB: C			mt	
	N	Superlif	t counter	weight () ~ 262r	nt	Superlift	radius 11r	n~15m		Unit:	mt	
oom 96	m + Jib 84m	1					Boom 10)8m + Jib 48	<u>Sm</u>				
adius	State	LJD		LJ	DB		radius	State	LJD		LJ	DB	
(m)	Boom	85°	85°	75°	65°	55°	(m)	Boom	85°	85°	75°	65°	55
38		28.1	28.1		L		28		44.9	46.4		ļ	-
42		28.1	28.1	ļ			30		44.9	46.4			ļ
46		26.9	26.9	-	-	-	34		43.1	44.2	-	-	×
50		25.3	25.8	-	4	9	38		41.0	42.0			-
54		21.9	24.7	-			42		39.0	39.8	<u> </u>		-
58		19.0	23.7	-		17	46		35.8	37.5			0
62		16.5	22.7	-	-	6 <u></u>	50		31.4	35.6			-
66		14.3	21.6	247	+	2	54		27.6	33.8	10.2	-	-
68 70		13.3 12.4	21.6	24.7 24.7	~		56 58		26.0 24.5	32.9 31.9	40.3	-	0
74		10.5	20.6	24.7			62		24.5	51.9	37.9	2	-
78		8.9	19.6	23.7		<u> </u>	66			1	35.4		1
82		7.4	19.0	23.7	1		70		1	1	33.0	1	1
86		6.2	17.5	22.7			74			1	30.6		
90		5.0	17.5	21.6			76				29.4		1
92				21.6	1		78			1			
94				20.6			80					26.4	
96				20.6	16.0		82					26.1	
98				20.6	16.0		86					24.9	
102				19.1	15.8		90					22.9	
106				14.9	15.1		94					21.0	
108				14.5	14.7	27 24	102						14.
110					14.3		106					1	14.
114					13.5		110						13.
118					12.8		wind	velocity		10	9m/s	<i>70</i>	
122					11.9	9.8							
124			1		11.5								
			-	-	11.5	9.8							
126					11.5	9.7							
126 130					11.3	9.7 9.0							
126 130 134					11.5	9.7 9.0 8.0							
126 130 134 138					11.5	9.7 9.0							
126 130 134 138	velocity			9m/s	11.5	9.7 9.0 8.0							
126 130 134 138 wind				9m/s	11.3	9.7 9.0 8.0	Pa ami 0	9m + 11 €0					
126 130 134 138 wind	m+Jib 96m	LID				9.7 9.0 8.0		8m+ Jib 60	500 (Damas)/	Ť		DB	
126 130 134 138 wind 600m96 adius	m + Jib 96m State	LID 85°	85°	, u	DB	9.7 9.0 8.0 7.1	radius	State	LJD	850	1	DB	55
126 130 134 138 wind wom96 adius (m)	m+Jib 96m	85°	85° 20.0			9.7 9.0 8.0	radius (m)		500 (Damas)/	85°	1J 75°	DB 65°	55
126 130 134 138 wind wind dius (m) 42	m + Jib 96m State	85° 20.0	20.0	, u	DB	9.7 9.0 8.0 7.1	radius (m) 32	State	LJD 85°		1	1	55
126 130 134 138 wind adius (m) 42 46	m + Jib 96m State	85° 20.0 20.0	20.0 20.0	, u	DB	9.7 9.0 8.0 7.1	radius (m) 32 34	State	LJD 85° 33.8	35.0	1	1	55
126 130 134 138 wind adius (m) 42 46 50	m + Jib 96m State	85° 20.0 20.0 19.1	20.0 20.0 19.6	, u	DB	9.7 9.0 8.0 7.1	radius (m) 32	State	LJD 85° 33.8 32.4	35.0 33.5	1	1	55
126 130 134 138 wind 000m96 adius (m) 42 46	m + Jib 96m State	85° 20.0 20.0	20.0 20.0	, u	DB	9.7 9.0 8.0 7.1	radius (m) 32 34 38	State	LJD 85° 33.8	35.0	1	1	55
126 130 134 138 wind adius (m) 42 46 50 54	m + Jib 96m State	85° 20.0 20.0 19.1 18.5	20.0 20.0 19.6 18.5	, u	DB	9.7 9.0 8.0 7.1	radius (m) 32 34 38 42	State	LJD 85° 33.8 32.4 31.1	35.0 33.5 31.9	1	1	55
126 130 134 138 wind adius (m) 42 46 50 54 58	m + Jib 96m State	85° 20.0 20.0 19.1 18.5 17.4	20.0 20.0 19.6 18.5 18.5	, u	DB	9.7 9.0 8.0 7.1	radius (m) 32 34 38 42 46	State	LJD 85° 33.8 32.4 31.1 29.6	35.0 33.5 31.9 30.4	1	1	55
126 130 134 138 wind adius (m) 42 46 50 54 58 62	m + Jib 96m State	85° 20.0 20.0 19.1 18.5 17.4 14.9	20.0 20.0 19.6 18.5 18.5 17.5	, u	DB	9.7 9.0 8.0 7.1	radius (m) 32 34 38 42 46 50	State	LJD 85° 33.8 32.4 31.1 29.6 28.2	35.0 33.5 31.9 30.4 28.8	1	1	55
126 130 134 138 wind adius (m) 42 46 50 54 55 58 62 66 70 74	m + Jib 96m State	85° 20.0 19.1 18.5 17.4 14.9 12.8 10.9 9.3	20.0 20.0 19.6 18.5 18.5 17.5 16.5	, u	DB	9.7 9.0 8.0 7.1	radius (m) 32 34 38 42 46 50 54	State	LJD 85° 33.8 32.4 31.1 29.6 28.2 25.1 21.9 20.6	35.0 33.5 31.9 30.4 28.8 27.2	1	1	55
126 130 134 138 wind adius (m) 42 46 50 54 58 62 66 70	m + Jib 96m State	85° 20.0 19.1 18.5 17.4 14.9 12.8 10.9	20.0 20.0 19.6 18.5 18.5 17.5 16.5 16.5	LJ 75°	DB	9.7 9.0 8.0 7.1	radius (m) 32 34 38 42 46 50 54 58	State	LJD 85° 33.8 32.4 31.1 29.6 28.2 25.1 21.9	35.0 33.5 31.9 30.4 28.8 27.2 25.9	75° 30.7 30.5	1	55
126 130 134 138 wind ooom96 adius adius (m) 42 46 50 54 58 62 70 74 78 82	m + Jib 96m State	85° 20.0 20.0 19.1 18.5 17.4 14.9 12.8 10.9 9.3 7.7 6.5	20.0 20.0 19.6 18.5 18.5 17.5 16.5 16.5 15.5 15.5 14.4	LJ 75° 117.5 17.5 17.5	DB	9.7 9.0 8.0 7.1	radius (m) 32 34 38 42 46 50 54 54 58 60 62 66	State	LJD 85° 33.8 32.4 31.1 29.6 28.2 25.1 21.9 20.6 19.2 17.0	35.0 33.5 31.9 30.4 28.8 27.2 25.9 25.2 24.5 23.2	75° 30.7 30.5 29.4	1	55
126 130 134 138 wind adius (m) 42 46 50 54 58 62 66 70 74 78 82 86	m + Jib 96m State	85° 20.0 20.0 19.1 18.5 17.4 14.9 12.8 10.9 9.3 7.7	20.0 20.0 19.6 18.5 18.5 17.5 16.5 16.5 15.5 15.5 14.4 13.4	LJ 75° 17.5 17.5 17.5 17.5 17.5	DB	9.7 9.0 8.0 7.1	radius (m) 32 34 38 42 46 50 54 58 60 62 66 70	State	LJD 85° 33.8 32.4 31.1 29.6 28.2 25.1 21.9 20.6 19.2	35.0 33.5 31.9 30.4 28.8 27.2 25.9 25.2 24.5	75° 30.7 30.5 29.4 27.7	1	
126 130 134 138 wind 000m966 adius (m) 42 46 50 54 58 62 66 70 74 78 82 90	m + Jib 96m State	85° 20.0 20.0 19.1 18.5 17.4 14.9 12.8 10.9 9.3 7.7 6.5	20.0 20.0 19.6 18.5 18.5 16.5 16.5 15.5 15.5 14.4 13.4	LJ 75° 17.5 17.5 17.5 17.5 17.5 16.5	DB	9.7 9.0 8.0 7.1	radius (m) 32 34 38 46 50 54 58 60 62 66 66 66 66 70 74	State	LJD 85° 33.8 32.4 31.1 29.6 28.2 25.1 21.9 20.6 19.2 17.0	35.0 33.5 31.9 30.4 28.8 27.2 25.9 25.2 24.5 23.2	75° 30.7 30.5 29.4 27.7 25.9	1	
126 130 134 138 wind oom96 adius (m) 42 46 50 54 58 62 66 70 74 78 82 86 90 94	m + Jib 96m State	85° 20.0 20.0 19.1 18.5 17.4 14.9 12.8 10.9 9.3 7.7 6.5	20.0 20.0 19.6 18.5 16.5 16.5 15.5 15.5 14.4 13.4 13.4 12.4	LJ 75° 17.5 17.5 17.5 17.5 17.5 16.5	DB	9.7 9.0 8.0 7.1	radius (m) 32 34 38 42 46 50 54 58 60 62 66 66 70 74 78	State	LJD 85° 33.8 32.4 31.1 29.6 28.2 25.1 21.9 20.6 19.2 17.0	35.0 33.5 31.9 30.4 28.8 27.2 25.9 25.2 24.5 23.2	75° 30.7 30.5 29.4 27.7 25.9 24.2	1	
126 130 134 138 wind 000m96f adius (m) 42 46 50 54 58 66 70 74 78 82 90 94 98	m + Jib 96m State	85° 20.0 20.0 19.1 18.5 17.4 14.9 12.8 10.9 9.3 7.7 6.5	20.0 20.0 19.6 18.5 17.5 16.5 15.5 15.5 15.5 14.4 13.4 13.4 12.4 11.3	LJ 75° 17.5 17.5 17.5 17.5 17.5 16.5 16.5 15.5	DB	9.7 9.0 8.0 7.1	radius (m) 32 34 38 42 46 50 54 58 60 62 66 62 66 70 74 78 82	State	LJD 85° 33.8 32.4 31.1 29.6 28.2 25.1 21.9 20.6 19.2 17.0	35.0 33.5 31.9 30.4 28.8 27.2 25.9 25.2 24.5 23.2	75° 30.7 30.5 29.4 27.7 25.9 24.2 22.5	1	
126 130 134 138 wind 38 wind 40 40 50 54 46 50 54 46 55 54 58 66 62 66 70 74 77 88 82 86 90 94 99 94 99 91 102	m + Jib 96m State	85° 20.0 20.0 19.1 18.5 17.4 14.9 12.8 10.9 9.3 7.7 6.5	20.0 20.0 19.6 18.5 16.5 16.5 15.5 15.5 14.4 13.4 13.4 12.4	LJ 75° 17.5 17.5 17.5 17.5 16.5 16.5 16.5 15.5 14.9	DB 65°	9.7 9.0 8.0 7.1	radius (m) 32 34 38 42 46 50 54 58 60 62 66 66 66 66 66 70 74 78 82 88	State	LJD 85° 33.8 32.4 31.1 29.6 28.2 25.1 21.9 20.6 19.2 17.0	35.0 33.5 31.9 30.4 28.8 27.2 25.9 25.2 24.5 23.2	75° 30.7 30.5 29.4 27.7 25.9 24.2 22.5 20.8	65°	55
126 130 134 138 wind dius dius dius 42 46 50 54 58 66 66 70 74 78 82 86 90 94 99 99 91 02 104	m + Jib 96m State	85° 20.0 20.0 19.1 18.5 17.4 14.9 12.8 10.9 9.3 7.7 6.5	20.0 20.0 19.6 18.5 17.5 16.5 15.5 15.5 15.5 14.4 13.4 13.4 12.4 11.3	LJ 75° 17.5 17.5 17.5 17.5 16.5 16.5 16.5 14.9 14.4	DB 65°	9.7 9.0 8.0 7.1	radius (m) 32 34 38 42 46 50 54 58 60 62 66 66 62 66 66 70 74 78 82 88 88	State	LJD 85° 33.8 32.4 31.1 29.6 28.2 25.1 21.9 20.6 19.2 17.0	35.0 33.5 31.9 30.4 28.8 27.2 25.9 25.2 24.5 23.2	75° 30.7 30.5 29.4 27.7 25.9 24.2 22.5	65°	
126 130 134 138 wind 38 wind 42 46 50 54 58 62 66 66 66 66 70 74 78 88 86 90 94 98 86 90 94 98 102 104	m + Jib 96m State	85° 20.0 20.0 19.1 18.5 17.4 14.9 12.8 10.9 9.3 7.7 6.5	20.0 20.0 19.6 18.5 17.5 16.5 15.5 15.5 15.5 14.4 13.4 13.4 12.4 11.3	LJ 75° 17.5 17.5 17.5 17.5 16.5 16.5 16.5 16.5 15.5 14.9 14.4	DB 65°	9.7 9.0 8.0 7.1	radius (m) 32 34 38 42 46 50 54 58 60 62 66 60 62 66 60 62 66 70 74 78 82 88 88 88 90	State	LJD 85° 33.8 32.4 31.1 29.6 28.2 25.1 21.9 20.6 19.2 17.0	35.0 33.5 31.9 30.4 28.8 27.2 25.9 25.2 24.5 23.2	75° 30.7 30.5 29.4 27.7 25.9 24.2 22.5 20.8	65°	
126 130 134 138 wind 138 wind 42 46 50 54 55 58 62 66 65 54 58 82 70 74 78 82 86 69 99 94 98 102 104 106 110	m + Jib 96m State	85° 20.0 20.0 19.1 18.5 17.4 14.9 12.8 10.9 9.3 7.7 6.5	20.0 20.0 19.6 18.5 17.5 16.5 15.5 15.5 15.5 14.4 13.4 13.4 12.4 11.3	LJ 75° 17.5 17.5 17.5 17.5 16.5 16.5 15.5 14.9 14.4 14.4 13.9	DB 65°	9.7 9.0 8.0 7.1	radius (m) 32 34 38 42 46 50 54 58 60 62 66 62 66 70 74 74 82 86 88 82 86 88 90 94	State	LJD 85° 33.8 32.4 31.1 29.6 28.2 25.1 21.9 20.6 19.2 17.0	35.0 33.5 31.9 30.4 28.8 27.2 25.9 25.2 24.5 23.2	75° 30.7 30.5 29.4 27.7 25.9 24.2 22.5 20.8	65°	
126 130 134 138 wind 138 wind 42 46 50 54 54 58 62 66 66 70 74 78 82 86 90 94 98 81 102 104 106 110	m + Jib 96m State	85° 20.0 20.0 19.1 18.5 17.4 14.9 12.8 10.9 9.3 7.7 6.5	20.0 20.0 19.6 18.5 17.5 16.5 15.5 15.5 15.5 14.4 13.4 13.4 12.4 11.3	LJ 75° 17.5 17.5 17.5 17.5 17.5 16.5 15.5 14.9 14.4 14.4 13.9 12.9	DB 65° 9.8 9.8 9.6 9.2	9.7 9.0 8.0 7.1	radius (m) 32 34 38 42 46 50 54 58 60 54 58 60 62 66 66 70 74 78 82 88 88 88 88 90 94 98	State	LJD 85° 33.8 32.4 31.1 29.6 28.2 25.1 21.9 20.6 19.2 17.0	35.0 33.5 31.9 30.4 28.8 27.2 25.9 25.2 24.5 23.2	75° 30.7 30.5 29.4 27.7 25.9 24.2 22.5 20.8	65° 18.8 18.8 17.5 16.0	
126 130 134 138 wind dius dius dius 42 46 50 54 54 58 62 66 66 74 74 78 82 88 66 90 94 98 102 104 100 110 114	m + Jib 96m State	85° 20.0 20.0 19.1 18.5 17.4 14.9 12.8 10.9 9.3 7.7 6.5	20.0 20.0 19.6 18.5 17.5 16.5 15.5 15.5 15.5 14.4 13.4 13.4 12.4 11.3	LJ 75° 17.5 17.5 17.5 17.5 16.5 16.5 16.5 15.5 16.5 14.9 14.4 14.4 13.9 14.4 13.9 9.0	DB 65° 9.8 9.8 9.8 9.6 9.2 8.7	9.7 9.0 8.0 7.1	radius (m) 32 34 38 42 46 50 54 54 58 60 62 66 62 66 62 66 62 88 88 90 94 98 98 90	State	LJD 85° 33.8 32.4 31.1 29.6 28.2 25.1 21.9 20.6 19.2 17.0	35.0 33.5 31.9 30.4 28.8 27.2 25.9 25.2 24.5 23.2	75° 30.7 30.5 29.4 27.7 25.9 24.2 22.5 20.8	65° 18.8 18.8 17.5 16.0 14.6	
126 130 134 138 wind (m) 42 46 50 54 46 50 54 58 66 66 70 74 78 88 62 66 66 70 74 78 88 80 99 99 99 90 94 98 102 104 104 104 104 104 102 104 104 103 104 105 105 105 105 105 105 105 105 105 105	m + Jib 96m State	85° 20.0 20.0 19.1 18.5 17.4 14.9 12.8 10.9 9.3 7.7 6.5	20.0 20.0 19.6 18.5 17.5 16.5 15.5 15.5 15.5 14.4 13.4 13.4 12.4 11.3	LJ 75° 17.5 17.5 17.5 17.5 17.5 16.5 15.5 14.9 14.4 14.4 13.9 12.9	DB 65° 9.8 9.8 9.8 9.6 9.2 8.7 8.3	9.7 9.0 8.0 7.1	radius (m) 32 34 38 42 46 50 54 58 60 62 66 66 62 66 66 70 74 78 82 88 88 90 94 94 94 9102 106	State	LJD 85° 33.8 32.4 31.1 29.6 28.2 25.1 21.9 20.6 19.2 17.0	35.0 33.5 31.9 30.4 28.8 27.2 25.9 25.2 24.5 23.2	75° 30.7 30.5 29.4 27.7 25.9 24.2 22.5 20.8	65° 18.8 18.8 17.5 16.0	
126 130 134 138 wind 138 wind 42 46 50 54 55 58 62 66 66 66 66 66 66 66 70 74 78 82 86 90 94 98 86 90 94 98 102 104 106 110 114 118	m + Jib 96m State	85° 20.0 20.0 19.1 18.5 17.4 14.9 12.8 10.9 9.3 7.7 6.5	20.0 20.0 19.6 18.5 17.5 16.5 15.5 15.5 15.5 14.4 13.4 13.4 12.4 11.3	LJ 75° 17.5 17.5 17.5 17.5 16.5 16.5 16.5 15.5 16.5 14.9 14.4 14.4 13.9 14.4 13.9 9.0	DB 65° 9.8 9.8 9.6 9.2 8.7 8.3 8.0	9.7 9.0 8.0 7.1	radius (m) 32 34 43 8 42 46 55 54 58 60 62 66 62 66 70 74 78 78 82 86 88 82 86 88 90 94 994 98 102 106 112	State	LJD 85° 33.8 32.4 31.1 29.6 28.2 25.1 21.9 20.6 19.2 17.0	35.0 33.5 31.9 30.4 28.8 27.2 25.9 25.2 24.5 23.2	75° 30.7 30.5 29.4 27.7 25.9 24.2 22.5 20.8	65° 18.8 18.8 17.5 16.0 14.6	8.8
126 130 134 138 wind 138 wind 42 46 50 54 54 58 62 66 66 70 74 78 82 86 90 94 98 82 88 82 88 90 94 94 98 91 102 104 101 101 114 118	m + Jib 96m State	85° 20.0 20.0 19.1 18.5 17.4 14.9 12.8 10.9 9.3 7.7 6.5	20.0 20.0 19.6 18.5 17.5 16.5 15.5 15.5 15.5 14.4 13.4 13.4 12.4 11.3	LJ 75° 17.5 17.5 17.5 17.5 16.5 16.5 16.5 15.5 16.5 14.9 14.4 14.4 13.9 14.4 13.9 9.0	DB 65° 9.8 9.8 9.6 9.2 8.7 8.3 8.0 7.5	9.7 9.0 8.0 7.1	radius (m) 32 34 43 46 55 58 60 54 58 60 62 66 66 70 74 78 82 86 88 88 88 88 90 94 94 98 102 106 1112 114	State	LJD 85° 33.8 32.4 31.1 29.6 28.2 25.1 21.9 20.6 19.2 17.0	35.0 33.5 31.9 30.4 28.8 27.2 25.9 25.2 24.5 23.2	75° 30.7 30.5 29.4 27.7 25.9 24.2 22.5 20.8	65° 18.8 18.8 17.5 16.0 14.6	8.8
126 130 134 138 wind com966 daius (m) 42 46 50 54 58 66 70 74 78 82 86 90 94 102 104 106 110 114 118 120 126 130	m + Jib 96m State	85° 20.0 20.0 19.1 18.5 17.4 14.9 12.8 10.9 9.3 7.7 6.5	20.0 20.0 19.6 18.5 17.5 16.5 15.5 15.5 15.5 14.4 13.4 13.4 12.4 11.3	LJ 75° 17.5 17.5 17.5 17.5 16.5 16.5 16.5 15.5 16.5 14.9 14.4 14.4 13.9 14.4 13.9 9.0	DB 65° 9.8 9.8 9.8 9.8 9.8 9.8 9.8 9.8 9.8 9.8	9.7 9.0 8.0 7.1 55°	radius (m) 32 34 38 42 46 50 54 58 60 62 62 66 66 62 62 62 62 68 88 88 90 94 98 90 94 98 90 94 102 106 112 114 118	State	LJD 85° 33.8 32.4 31.1 29.6 28.2 25.1 21.9 20.6 19.2 17.0	35.0 33.5 31.9 30.4 28.8 27.2 25.9 25.2 24.5 23.2	75° 30.7 30.5 29.4 27.7 25.9 24.2 22.5 20.8	65° 18.8 18.8 17.5 16.0 14.6	55 8.8 8.8 7.8
126 130 134 138 wind 138 wind 42 46 50 54 54 58 62 66 66 70 74 78 82 86 90 94 98 82 88 82 88 90 94 94 98 91 102 104 101 101 114 118	m + Jib 96m State	85° 20.0 20.0 19.1 18.5 17.4 14.9 12.8 10.9 9.3 7.7 6.5	20.0 20.0 19.6 18.5 17.5 16.5 15.5 15.5 15.5 14.4 13.4 13.4 12.4 11.3	LJ 75° 17.5 17.5 17.5 17.5 16.5 16.5 16.5 15.5 16.5 14.9 14.4 14.4 13.9 14.4 13.9 9.0	DB 65° 9.8 9.8 9.6 9.2 8.7 8.3 8.0 7.5	9.7 9.0 8.0 7.1	radius (m) 32 34 38 42 46 50 54 58 60 62 66 66 62 66 66 70 74 78 82 88 88 90 94 94 94 94 94 102 106 112 114 114 112	State	LJD 85° 33.8 32.4 31.1 29.6 28.2 25.1 21.9 20.6 19.2 17.0	35.0 33.5 31.9 30.4 28.8 27.2 25.9 25.2 24.5 23.2	75° 30.7 30.5 29.4 27.7 25.9 24.2 22.5 20.8	65° 18.8 18.8 17.5 16.0 14.6	8.8

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:

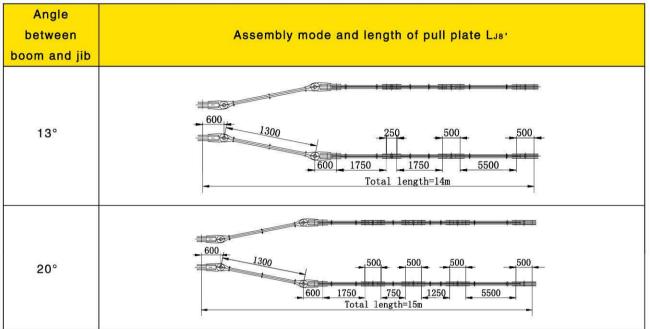
 $L_{\mbox{\scriptsize H3}}$: pull plate on boom and jib joint, 1.07m

 $L_{\ensuremath{\text{J6}}\xspace}$: 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_HDSF_HDB operating condition

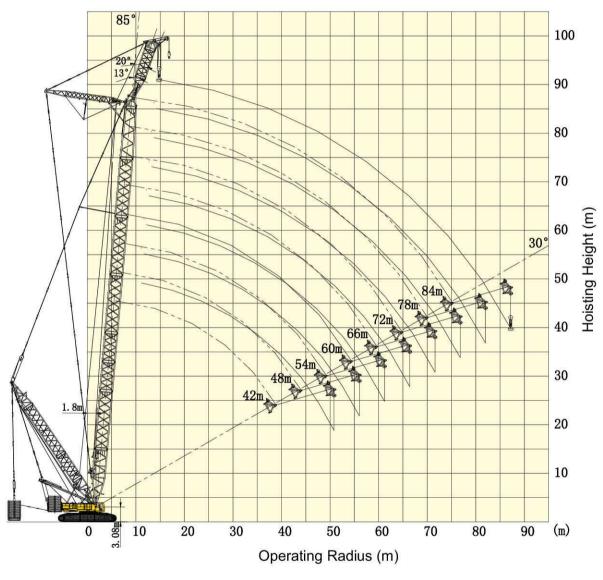
Assembly mode and length of waist rope for boom in SF_HD\SF_HDB operating condition

Boom length(m)	Assembly mode of waist rope
78	discharge buckle born drawplate (8 pieces) main chord pipe of born
84	boon drawplate (6 pieces) main chord pipe of boom

SCC6300 Hydraulic Crawler Crane

SCC6300 Hydraulic Crawler Crane

Operating Range of SF_HD\ SF_HDB Operating Condition



Hoisting Height and Operating Range Diagram

Quality Changes the World

Load Charts of SF_HD Operating Condition

			Load Cr	lart of SF	HD Open	rating Con	laidon		
E	800m 42m~84n	n Ny Super	lift radius 11	m~15m	Counterweigh	t 180mt 📕 Ca	entral ballast 80m	nt Fixed ji	b 12m Unit
radius	length(m)	4	42	4	8	5	54	(50
(m)	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	d velocity					10m/s			
radius	length(m)	(56	7	2	7	/8	8	34
(m)	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	

(m) Jib a	ngle 1	3°	20°	13°	20°	13°	20°	13°	20°
14	20	9.0		185(15m)					
16	16	7.0	169.0	164.0	166.0	162.0	164.0	161.0	
18	13	7.0	139.0	134.0	136.0	132.0	134.0	131.0	133.0
20	11	5.0	117.0	113.0	114.0	110.0	112.0	109.0	111.0
22	98	3.0	99.0	96.0	97.0	93.0	95.0	92.0	94.0
24	84	4.0	86.0	82.0	83.0	80.0	82.0	79.0	80.0
26	73	3.0	74.0	71.0	72.0	69.0	70.0	67.0	69.0
28	64	4.0	65.0	62.0	63.0	60.0	61.0	58.0	59.0
30	56	5.0	57.0	54.0	55.0	52.0	53.0	50.0	51.0
34	43	3.6	44.5	41.0	42.0	39.0	40.0	37.0	38.0
38	33	3.5	34.2	31.0	31.8	29.0	29.9	26.9	27.9
42	25	5.5	26.1	23.1	23.8	21.0	21.8	19.0	19.9
46	19	9.0	19.7	16.7	17.3	14.8	15.4	12.6	13.4
50	13	3.8	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 veloc	ity					9m/s			

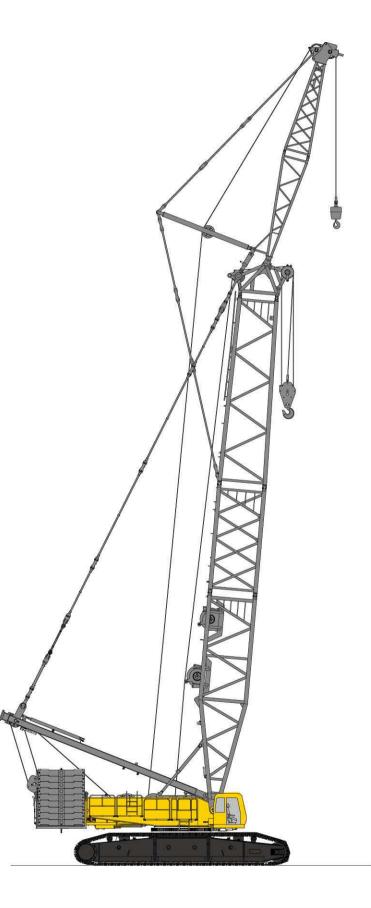
Note: The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

Load Charts of SF_HDB Operating Condition

		L	ad Chart	of SF _H D	B Operat	ting Conc	lition		
	Boom	42m~84m					-	Central ballas	t 80mt
			Sub anne			counter in eight			· com
	Fixed j	ib 12m	Superlift	counterweig	ht 0~300m	Ē.		U	nit: mt
adius	length(m)	4	2	4	8	4	54	6	0
(m)	Jib angle	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	<i></i>	109.0	109.0	114.0	115.0	113.0	113.0
	54	c	0	90.8		98.0	98.0	101.4	101.0
	58					83.2	83.0	88.0	88.0
	62	2	<i>c.</i>	-				75.4	75.4
	66	e						62.9	
wind	velocity				10n	n/s			
adius	length(m)	6	6	-	12		78		4
(m)	Jib angle	13°	20°	13°	2 20°	13°	20°	13°	
<u> </u>	15	307.0	20	15	20	15	20	15	20
	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		12 17	50.3		52.0	52.0	51.0	51.0
		da internet interne				44.3	44.3	44.5	44.5
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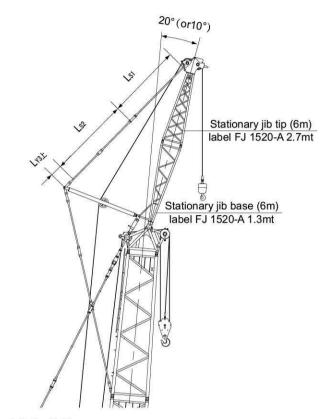
Note: The actual hoisting load is the value of the rated hoisting weight in the table deducted by the weights of the hook blocks, hangers and wire ropes on the hook block and boom/jib head.

Boom Combinations of SF_L Operating Condition



SCC6300 Hydraulic Crawler Crane

Boom Combinations of SF_L Operating Condition



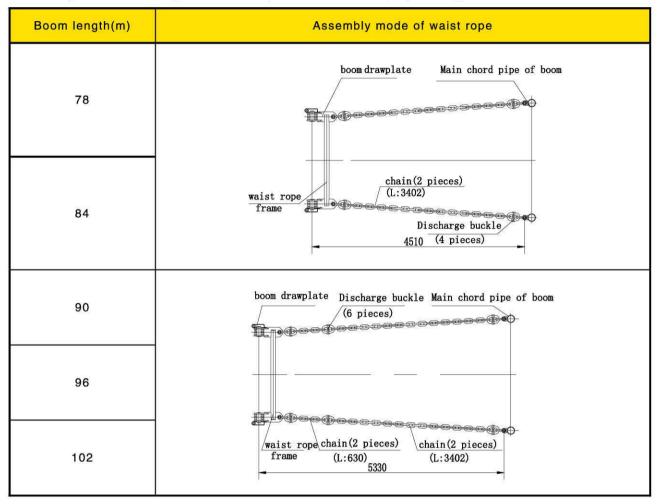
Notes: L_{S1} : pull plate on fixed jib tip, 5.86m L_{S2} : pull plate on fixed jib base, 6.28m $L_{Y3\pm}$: upper pull plate on fixed jib mast, 0.45m $L_{H10\oplus}$: pull plate on upper middle of 10.5m jib frame, 10m $L_{Y3\pm}$: lower pull plate on fixed jib mast

Angle between Length of Assembly mode of Lyst boom pull plate and jib Stationary jib Lower drawplate Upper drawplate mast of mast of mast 10° 4.95m Φ 500 400 500 3500 500 Stationary jib Lower drawplate Upper drawplate mast of mast of mast 20° 5.85m (-0) 3500 500 500

Assembly mode and length of lower pull plate L_{Y3F} on fixed jib mast

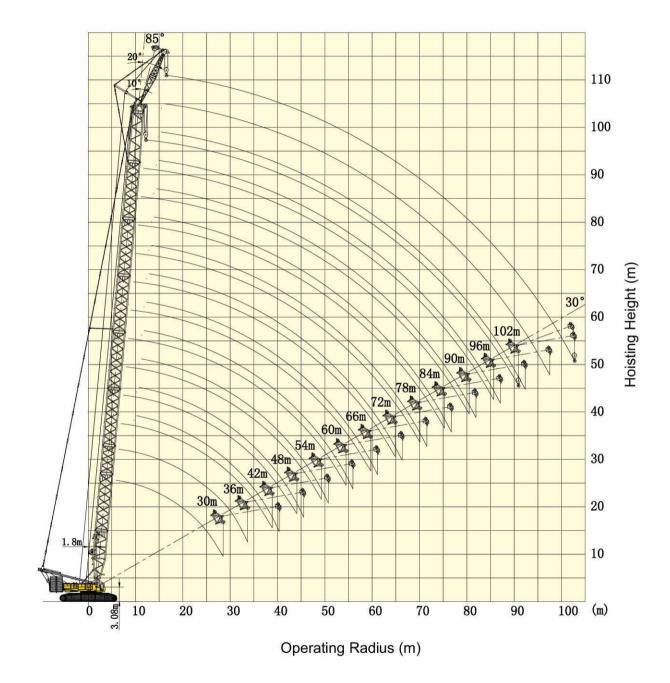
Quality Changes the World

Boom Combinations of SF_L Operating Condition



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

SCC6300 Hydraulic Crawler Crane



Hoisting Height and Operating Range Diagram

Load Charts of SF_L Operating Condition

		L	Jau Char	t of SFL	Operati	ng Cono				
	Boom 30	m~102m	Count	erweight 18	Omt 📰 C	entral ballas	t 80mt	Fixed jib	12m	Unit: mt
Radius Length(m)	3	30	3	6	4	2	4	8		54
(m) 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	00000000000	25.0	25.5
55						1	25.7		24.2	24.5
58									21.8	22.0
60					1				20.4	

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

$\begin{array}{c c c c c c c c c c c c c c c c c c c $		Boom 30	1	ad Char			ng Cond	- 78	Fixed jib	12m	Unit: mt
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	us Length (m)	60			6		12		78		84
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	015 C 200 00 00		200	7	1						20°
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13126.082.0126.0126.0126.0126.0126.014126.081.0126.081.0126.082.0126.0126.015125.078.5125.080.0126.081.5126.080.5124.016122.076.5122.078.0126.070.0121.080.5124.018116.072.0116.074.0111.075.0107.076.5103.020107.068.5107.070.099.571.596.073.091.52296.565.096.066.589.068.585.570.082.32487.562.087.563.580.565.577.567.074.22677.559.077.561.073.062.570.564.667.22869.556.569.558.567.060.068.558.559.655.63452.050.552.052.049.550.548.549.747.03843.644.443.643.441.242.040.141.138.74237.037.737.136.734.535.433.234.231.55027.227.727.226.524.124.822.723.521.05423.323.723.322.420.220.818.819.5 <td></td> <td></td> <td></td> <td>126.0</td> <td></td> <td>126.0</td> <td></td> <td></td> <td></td> <td></td> <td><u> </u></td>				126.0		126.0					<u> </u>
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18 116.0 72.0 116.0 74.0 111.0 75.0 107.0 76.5 103.0 20 107.0 68.5 107.0 70.0 99.5 71.5 96.0 73.0 91.5 22 96.5 65.0 96.0 66.5 89.0 68.5 85.5 70.0 82.3 24 87.5 62.0 87.5 63.5 80.5 65.5 77.5 67.0 74.2 26 77.5 59.0 77.5 61.0 73.0 62.5 70.5 64.6 67.2 28 69.5 56.5 69.5 58.5 67.0 60.0 64.0 62.1 61.1 30 63.0 54.5 63.0 56.0 60.5 58.0 58.5 59.6 53.6 34 52.0 52.0 52.0 49.5 54.5 28.4 25.8 50 27.2 27.7 37.1 36.7 34.5 35.4 33.2											79.5
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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	Operat	ting Co	ndition	а. С
Bo	oom 30m ~ 102m	Superlift	radius 11m ~	15m 📕 Cou	interweight 180	mt Hen Centr	al ballast 80mt
F iz	xed jib 12m	Superlift	counterweight	0 ~ 300mt			Unit: mt
Radius	Length(m)	Ģ	90	9	96	1	02
(m)	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	-59490-596 N	3.6	3.7	4.0		
Wi	nd speed				n/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.



Note 🕨 SCC6300 Hydraulic Crawler Crane

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