SCC1500A-8

Crawler Crane
150 Tons Lifting Capacity

Quality Changes the World

Max. lifting capacity: 150t
Max. boom length: 76m
Max. fixed jib combination: 64m+31m
Max. luffing jib combination: 52m+52m

The parameters, pictures and standard/optional equipment are only for reference in this brochure, the actual machine is based on the effective price list and contract.

Crawler Crane Series
SCC1500A-8

A

SCC1500A-8
SANY CRAWLER CRANE

QUALITY CHANGES THE WORLD

Main Characteristics

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Product Specification

Engine

- Model: WP10HG336E470.
- Type: 4-stroke, water-cooled, vertical in-line 6 cylinders, direct injection, turbo-charger, intercooler, complied with Chinese Non-road stage IV Emission Standard.
- Displacement: 9.5L.
- Rated power: 247kW/2000rpm.
- Operation power: 245kW/1800rpm.
- Max. torque: 1600N·m/1200~1400rpm.
- Starter: 24V-8.5kW.
- Radiator: Fin type aluminum plate core.
- Air cleaner: Dry type system with main filter element, safety element and resistance indicator.
- Throttle: Grip type hand throttle, electrically-controlled.
- Fuel filter: With electric pumping oil, fuel heating, water removal filter functions.
- Batteries: Two 12V×180Ah capacity batteries, connected in series.
- Fuel tank capacity: 400L.
- Urea tank: 60L.

Electrical control system

- Self-developed SYIC-III integrated control system is adopted with higher integration, precise operation and reliable quality.
- Control system consists of power system, engine system, main control system, LML system, auxiliary system and safety monitoring system. J1939 CAN 2.0B is used for data communication between system network.
- Power control: Multi-process display, power control is maintained at about 5ms running cycle.
- Intelligent safety: Center of gravity control, wind speed early warning, ground pressure early warning, all-round safety protection, reduce the probability of operation error.
- Intelligent operation and maintenance: Predictive maintenance, OTA upgrade, remote machine lock.

Hydraulic system

- Main pumps: Open variable displacement piston pumps of large displacement are adopted to provide oil supply for main actuators of main machine.
- Gear pump: Dual gear pump for slewing, radiator and control circuit.
- Control: Main pump adopts electrically-controlled positive flow control; winch motor adopts limitless adjustable piston motor of variable displacement. The operating components are two cross hydraulic handle, one dual travel pedal control valve to control various actuators proportionally.
- Way of cooling: Heat exchanger, fan core and multi-stage cooling.
- Filter: Large flow, high precision filter, with bypass valve and transmitter, which can remind the user to replace the filter element in time.
- Max. pressure of system: 35Mpa.
- Main/aux. load hoist and travel system: 35Mpa.
- Slewing system: 22MPa.
- Control system: 4.5MPa.
- Hydraulic Tank Capacity: 460L.

Main and auxiliary load hoist mechanism

- Main and aux. hoist winches are driven separately by motor via gearbox. Operating winch handle can control the winch to rotate to two directions, which are lifting and lowering of hook. Excellent inching function is equipped on the machine.
- Drums with fold-line grooves can ensure the wire rope reeved in order in multilayers.

Non free fall for main and aux. load hoist (standard):

Main Hoisting Mechanism	Drum diameter	596mm
	Rope speed (1st layer)	0-102m/min
	Diameter of wire rope	26mm
	Main load hoist wire rope length	340m
	Rated single line pull	13.5t
Auxiliary Hoisting Mechanism	Drum diameter	596mm
	Rope speed (1st layer)	0-102m/min
	Diameter of wire rope	26mm
	Aux. load hoist wire rope length	260m
	Rated single line pull	13.5t

Product Specification

Free fall for main/aux. load hoist (optional):

Main hoisting mechanism	Drum diameter	576mm
	Rope speed (1st layer)	0~102m/min
	Wire rope diameter	26mm
	Main hoist wire rope length	340mm
	Rated single line pull	12t
Aux. hoisting mechanism	Drum diameter	576mm
	Rope speed (1st layer)	0~102m/min
	Wire rope diameter	26mm
	Aux. hoist wire rope length	260mm
	Rated single line pull	12t

Boom hoist mechanism

- Boom hoist winch is driven directly by motor via gearbox. Operating winch handle can control the winch to rotate to two directions, which are lifting and lowering of boom.
- Drums with fold-line grooves can ensure the wire rope reeved in order in multilayers.

Boom hoist mechanism	Drum diameter	420mm
	Rope speed (1st layer)	0~45m/min
	Diameter of wire rope	20mm
	Boom hoist wire rope length	220m

Slewing mechanism

- Slewing brake adopts wet, spring loaded, normally-closed brake, and braking through spring force.
- Slewing system, has free slipping function. It is featured in steady starting and control, and excellent inching function. Unique slewing buffer design and steadier brake.
- Slewing drive: External engaged slewing drive with 360° slewing range, and the max. slewing speed is 1.2r/min. The max. drive pressure can reach 22MPa.
- Slewing ring: Three-row roller bearing.

Cab and control

- Novel operator's cab with fashionable profile, nice interior and large window glass, which can tilt up by 20° to provide panorama view. There are low and high-beam lights, back-view mirror, heater and A/C, radio and other functions. The layout of seat, handles, control buttons are designed with ergonomic principles to make operation more comfortable.
- Cab layout: Integrated 10.4-inch touch screen, programmable smart switches, and man-machine interaction interface are more perfect.
- Armrest box: On the left and right armrest box are control handles, electrical switches, emergent stop and ignition switch. The armrest box can be adjusted along with the seat.
- Seat: Multi-way and multi-level floating adjustable seat with unload switch.
- A/C: Cool and heat air; optimized air channels and vents.
- Multiple cameras can present on the monitor at the same time to realize backing video, real-time monitoring of wire rope on each winch, conditions behind the counterweight and surrounding the machine.

Counterweight

- The stacking mode of counterweight tray and blocks is used for easy assembly, disassembly and transportation.
- Rear counterweight: Total weight 55t. There are two types, the standard offering is regular counterweight, and the optional offering is self-assembled counterweight.
- The standard counterweight: Tray 13t×1, counterweight blocks 6t×6, counterweight blocks 3t×2.
- Carbody counterweight: A total of 2, total weight of 20t (10t×2).

Upperworks

- High-strength steel weld framework, with no torsion or deformation. The parts are laid out in the way that is easier for maintenance and service.

Product Specification

Lowerworks

- Independent travel driving units are adopted for each side of the crawler, to realize straight walking and turning driven by travel motor through gearbox and drive wheel.

Crawler tightening

- The jack is used to push the guide wheel and insert the shim to adjust crawler tension.

Track pad

- High strength alloy cast steel track pad ensure long service life.
- They are 950mm wide with a quantity of 66 pads×2.

Operating equipment

- All chords are high-strength steel tubes, and the boom/jib top sheaves are made of high-strength anti-wearing Nylon material protecting wire rope. The hooks are installed with milled welded steel sheave.

Boom

- Lattice structure. The chord adopts high-strength structural tube and each section is connected through pins.
- Basic boom: 8m boom base + 8m boom top.
- Boom insert: 3m×2, 6m×1, 12m×4.
- Boom length: 16m~76m.

Fixed jib

- Lattice structure. The chord adopts high-strength structural tube and each section is connected through pins.
- Basic jib: 5m jib base +3m insert +5m jib top.
- Jib insert: 6m×3.
- Fixed jib: 13m~31m.
- Longest boom + jib: 64m +31m.

Luffing jib

- The chord adopts high-strength structural tube and each section is connected through pins.
- Basic jib: 6.5m jib base +9m insert +6.5m jib top.
- Jib insert: 3m×2, 6m×1, 9m×2.
- Fixed jib: 22m~52m.
- Longest boom+jib: 52m+52m

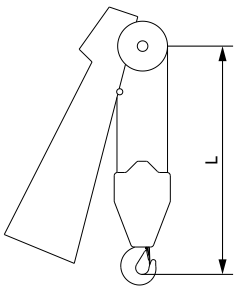
Runner

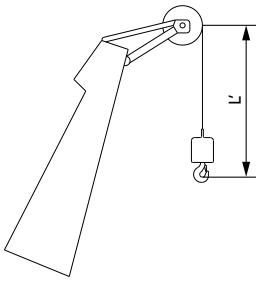
- The welding structure is connected with main boom through hinge pin, and used for aux. hook operation.
- Length of extension boom: 1.58m.

Hook block

- 150t hook, 7 pulleys.
- 80t hook, 3 pulleys.
- 35t hook, 1 pulley.
- 13.5t ball hook.

Hook Limitation Height





Hook	L
150t	4.0m
80t	3.1m
35t	3.6m

Hook	L'
13.5t	3.1m

Safety Device

Assembly/work mode control switch
- Under the assembly mode, over-hoist limit switch, crane boom limit device and load moment limiter do not work, so as to facilitate the installation of crane.
- All safety limit devices work in the work mode.

Emergency stop
- In emergent situation, this button is pressed down to cut off the power supply of whole machine and all actions stop.

Load moment limiter (LML)
- It is an independent computerized safety control system. LML can automatically detect the load weight, work radius and boom angle, and present on the display the rated load, actual load, work radius and boom angle. In normal operation, the LML can make a judgment and cut off automatically if the crane moves towards dangerous direction. It can also perform as a black box to record the lifting information.
- It is composed of monitor, angle sensor and force sensor and other parts.

Over-hoist limit switch of main/auxiliary hooks
- Over-hoist protection device comprises of limit switch and weight on boom top, which prevents the hook lifting up too much.
- When the hook lifts up to the limit height, the limit switch activates, buzzer on the left control panel sends alarm, failure indicator light starts to flash, and the hook hoisting action is cut off automatically.

Over-release limit switch of main/auxiliary hooks
- It is comprised of activator in the drum and proximity switch to prevent over release of wire rope. When the rope is paid out close to the last three wraps, the limit switch acts, and the system sends alarm through buzzer and show the alarm on the instrument panel, automatically cutting off the winch action.

Function lock lever
- If the function lock lever is not in work position, all the other handles won't work, which prevents any mis-operation caused by accidental collision.

Boom hoist drum lock
- Pawl lock is used on boom hoist winch, which needs to unlock by switch before operation, in order to prevent mis-operation of handles and ensure safety during nonwork time.

Slewing lock device
- Slewing Lock can lock the machine at four positions, front and back, left and right.

Boom limit device
- When the boom elevation angle reaches the max. set limit, the buzzer sounds and boom action cut off. This protection is two-stage control ensured by both LML system and travel switch;

Back-stop device
- Its major components are nesting tubes and spring, in order to buffer the boom backlash and prevent further tipping back.

Boom angle indicator
- Pendulum angle indicator is fixed on the side of boom base close to the cab, so as to provide convenience to the operator.

Hook latch
- The hook is provided with a baffle to prevent wire rope from falling off.

Safety Device

Lightning protection device
- It is offered as an optional feature, which includes the grounding device that can effectively protect the electric system elements and workers from lightning.

Tri-color load indicator
- The load indication light has three colors, green, yellow and red, and the real time load status is presented on the display. When the actual load is smaller than 90% of rated load, the green light is on.
- When the actual load is larger than 90% and smaller than 100%, the yellow light is on, the alarm light flashes and sends out intermittent sirens.
- When the actual load reaches 100% of rated load, the red light is on, the alarm light flashes and sends out continuous sirens.
- When the actual load reaches 102% of rated load, the system will automatically cut off the crane operation in dangerous trend.

Audio-visual alarm
- When the engine is working, the light flashes; when the machine is traveling or slewinging, it sends out sirens.

Slewing indicator light
- The slewing indicator light flashes during traveling or slewing.

Illuminating light
- The machine is equipped with the low beam light and high beam light at the front of the cab, illumination light at cab, and other night lights, boom lights to improve the visibility during construction.

Camera
- Set the front armrest of the right hood to monitor the rear of the whole machine.

Pharos
- Pharos is mounted on the top of boom/jib to indicate the height.

Anemometer
- It is mounted on the top of boom/jib, and displayed on the monitor in the cab.

Electronic level indicator
- It displays the tipping angle of crane on the monitor in real time, protecting the machine from dangerous situation.

Seat interlock
- Put down the function lock lever on the left side of cab seat or if the operator leaves the seat, all control levers will be de-activated to prevent any mis-operation due to accidental collision.

Engine power limit load adjustment and stalling protection
- The controller monitors the engine power to prevent engine getting stuck and stalling.

Engine status monitoring
- The engine status will be presented, such as engine coolant temperature, fuel volume, total work hours, engine oil pressure, engine speed, battery charging, voltage.

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SCC1500A-8
SANY CRAWLER CRANE

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Technical Parameters

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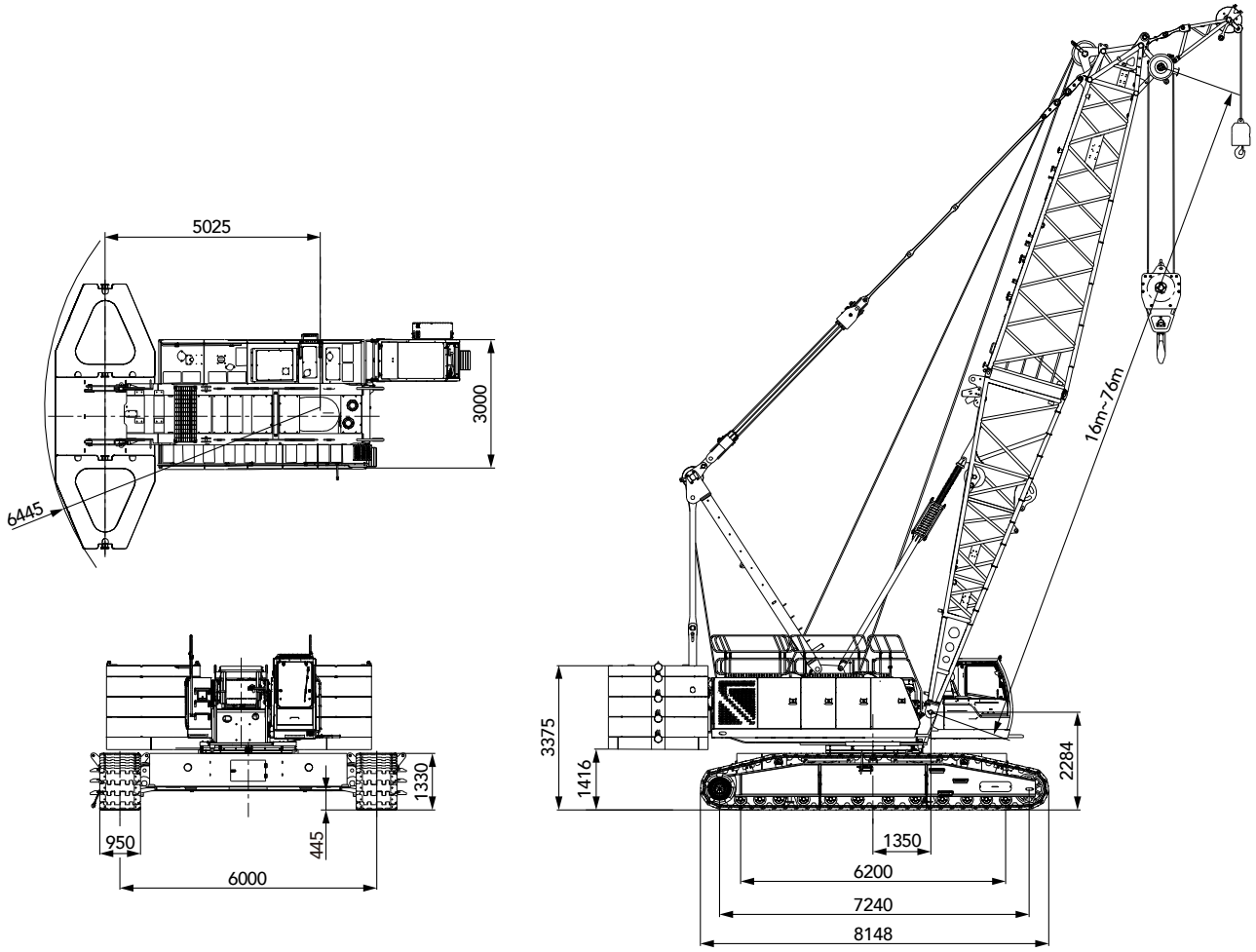
Major Performance Specifications

Major Performance & Specifications of SCC1500A-8			
Performance Indicators		Unit	Parameter
Boom configuration	Maximum rated lifting capacity	t	150
	Maximum rated lifting moment	t·m	882 (=147×6)
	Boom length	m	16~76
Fixed jib configuration	Maximum rated lifting capacity	t	35
	Jib length	m	13~31
	Longest main boom + jib	m	64+31
Luffing jib configuration	Maximum rated lifting capacity	t	40
	Jib length	m	22~52
	Longest main boom + jib	m	52+52
Operation speed	Rope speed of main/aux. load hoist (1st layer)	m/min	0~102
	Boom hoist winch rope speed (1st layer)	m/min	0~45
	Slewing speed	rpm	0~1.2
	Travelling speed	km/h	0~1.1
Engine	Output power	kW	247
	Rated speed	rpm	2000
Transport parameter	Max. transport weight of basic machine (with boom base)	t	35.5
	Maximum transport dimension of basic machine (L x W x H)	mm	16380×3000×3340
Other parameters	Average ground bearing pressure	MPa	0.116
	Gradeability	%	30

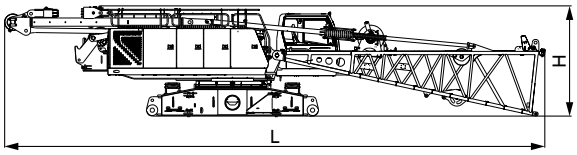
Outline Dimension

Unit: mm



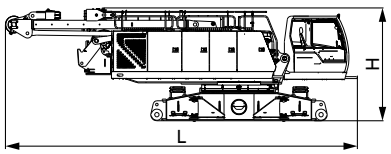
Note: this is regular counterweight for standard offering.

Transport Dimensions

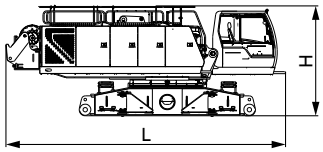


Basic machine 1	×1
Length (L)	16.38m
Width (W)	3.00m
Height (H)	3.34m
Weight	35.5t

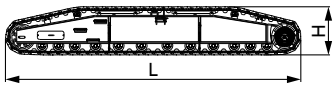
Note: with aux. luffing mechanism and wire rope 1.15t.



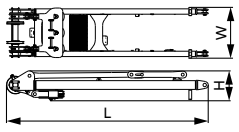
Basic machine 2	×1
Length (L)	10.41m
Width (W)	3.00m
Height (H)	3.34m
Weight	31.1t



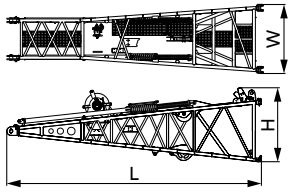
Basic machine 3	×1
Length (L)	8.28m
Width (W)	3.00m
Height (H)	3.26m
Weight	28.1t



Crawler assembly	×2
Length (L)	8.15m
Width (W)	0.95m
Height (H)	1.33m
Weight	14.0t



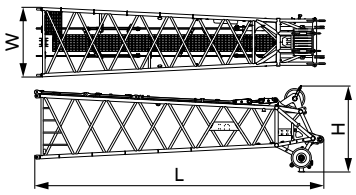
A frame	×1
Length (L)	5.71m
Width (W)	1.44m
Height (H)	0.84m
Weight	3.0t



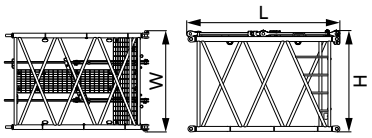
Boom base (with luffing jib winch)	×1
Length (L)	8.21m
Width (W)	2.23m
Height (H)	2.39m
Weight	4.4t

Note: with aux. luffing mechanism and wire rope 1.15t.

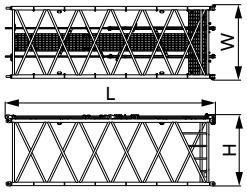
Transport Dimensions



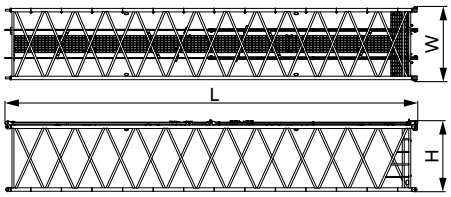
Boom top	×1
Length (L)	8.74m
Width (W)	2.11m
Height (H)	2.60m
Weight	2.5t



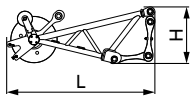
3m insert of main boom	×2
Length (L)	3.15m
Width (W)	2.21m
Height (H)	2.09m
Weight	0.6t



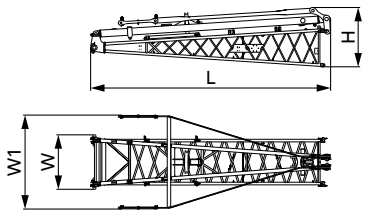
6m insert of main boom	×1
Length (L)	6.15m
Width (W)	2.21m
Height (H)	2.09m
Weight	1.0t



12m insert of main boom	×4
Length (L)	12.15m
Width (W)	2.21m
Height (H)	2.09m
Weight	1.9t



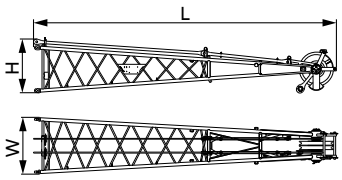
Boom runner	×1
Length (L)	1.96m
Width (W)	0.66m
Height (H)	0.75m
Weight	0.3t



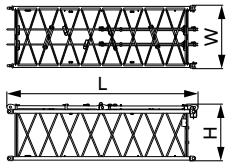
Fixed jib base with strut	×1
Length (L)	5.24m
Width (W)	1.19m
Tapered pendant bar width (W1)	2.05m
Height (H)	1.30m
Weight	0.9t

Note: tapered pendant bar 0.2t.

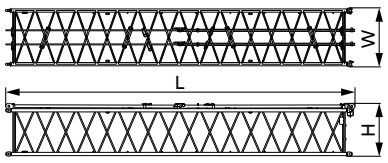
Transport Dimensions



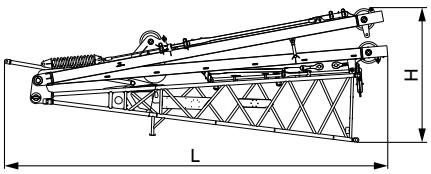
Fixed jib top	×1
Length (L)	5.41m
Width (W)	1.01m
Height (H)	0.96m
Weight	0.5t



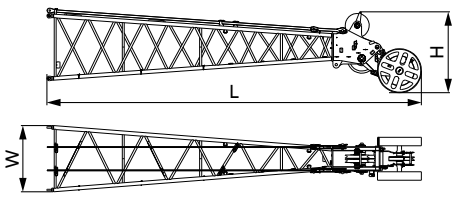
3m fixed jib insert	×1
Length (L)	3.12m
Width (W)	1.03m
Height (H)	0.92m
Weight	0.2t



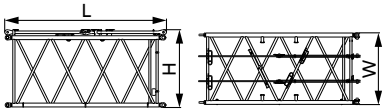
6m fixed jib insert	×3
Length (L)	6.12m
Width (W)	1.03m
Height (H)	0.92m
Weight	0.3t



Luffing jib base with mast	×1
Length (L)	7.74m
Width (W)	1.83m
Height (H)	2.72m
Weight	3.7t

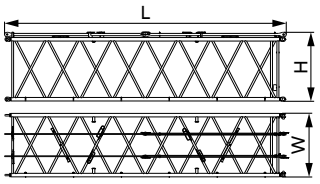


Luffing jib top with runner	×1
Length (L)	7.79m
Width (W)	1.38m
Height (H)	1.68m
Weight	0.9t

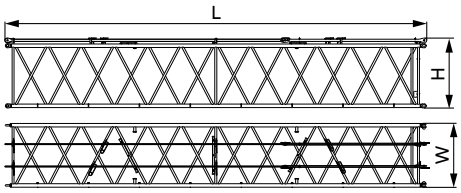


3m luffing jib insert	×2
Length (L)	3.12m
Width (W)	1.39m
Height (H)	1.50m
Weight	0.3t

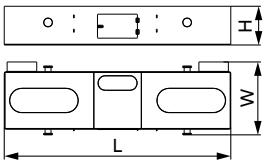
Transport Dimensions



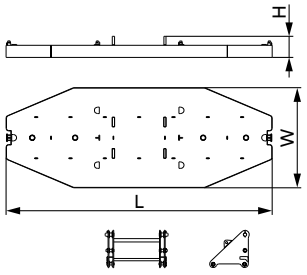
6m luffing jib insert	×1
Length (L)	6.12m
Width (W)	1.39m
Height (H)	1.50m
Weight	0.5t



9m luffing jib insert	×3
Length (L)	9.12m
Width (W)	1.39m
Height (H)	1.50m
Weight	0.7t

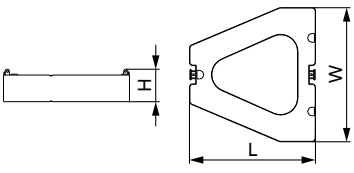


Carbody counterweight	×2
Length (L)	4.61m
Width (W)	1.49m
Height (H)	0.79m
Weight	10.0t

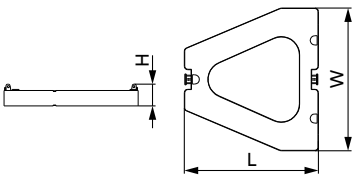


Rear counterweight tray	×1
Length (L)	6.20m
Width (W)	2.33m
Height (H)	1.20m
Weight	13.0t

Note: with connection bracket 0.4t (1.46m×0.9m×0.87m)

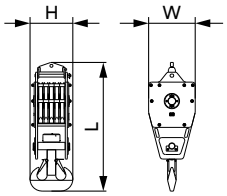


Rear counterweight 1	×6
Length (L)	2.19m
Width (W)	2.33m
Height (H)	0.57m
Weight	6.0t

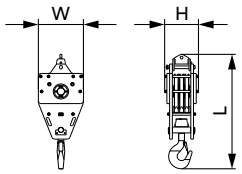


Rear counterweight 2	×2
Length (L)	2.19m
Width (W)	2.33m
Height (H)	0.35m
Weight	3.0t

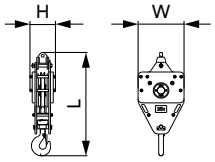
Transport Dimensions



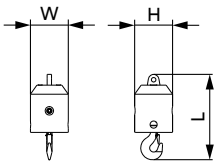
150t hook	×1
Length (L)	2.45m
Width (W)	0.91m
Height (H)	0.95m
Weight	2.9t



80t hook	×1
Length (L)	2.21m
Width (W)	0.91m
Height (H)	0.62m
Weight	1.9t



35t hook	×1
Length (L)	1.88m
Width (W)	0.91m
Height (H)	0.46m
Weight	1.1t

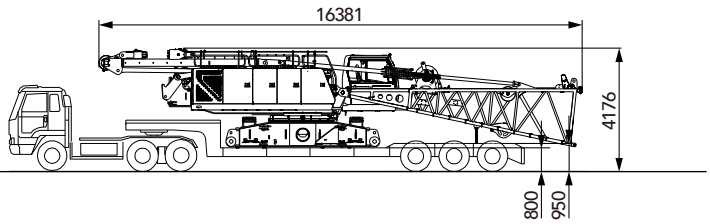


13.5t ball hook	×1
Length (L)	0.95m
Width (W)	0.43m
Height (H)	0.43m
Weight	0.5t

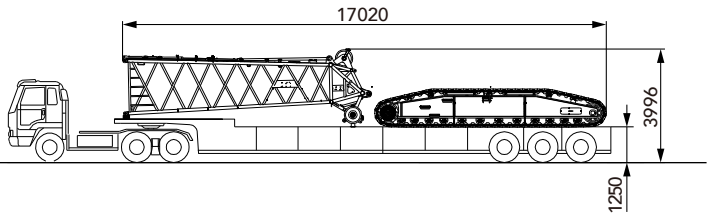
Remarks:
1.The transport dimensions for the parts are for reference that do not draw to the scale. The dimensions listed above are deisnged values excluding packing.
2.Weight is design values. It maybe different due to manufacturing tolerances.

Transport Plan

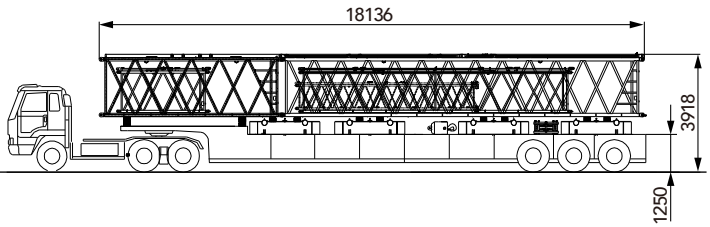
Trailer 1	
Part (s)	▪ Basic Machine (with four winches, carbody assembly, A-frame, wire rope) Boom base
Transport weight	▪ 35.5t



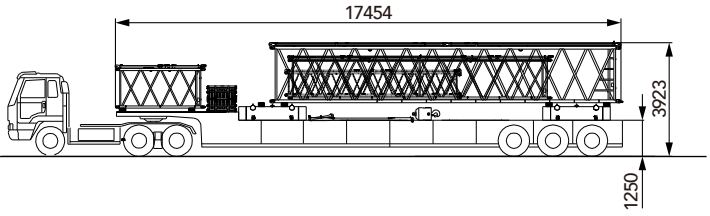
Trailer 2	
Part (s)	▪ Crawler frame ×1: 14t ▪ Boom top ×1: 2.48t ▪ Packing case ×1: 1t ▪ Boom top pendant bar ×1: 0.04t
Transport weight	▪ 17.52t



Trailer 3	
Part (s)	▪ Rear counterweight 1 ×4: 24t ▪ 12m boom insert ×1: 1.86t ▪ 6m boom insert ×1: 1.02t ▪ 9m luffing jib insert ×1: 0.67t ▪ 3m luffing jib insert ×1: 0.29t ▪ 6m fixed jib insert ×1: 0.33t ▪ 35t hook ×1: 1.1t ▪ 13.5t ball hook ×1: 0.45t
Transport weight	▪ 29.72t

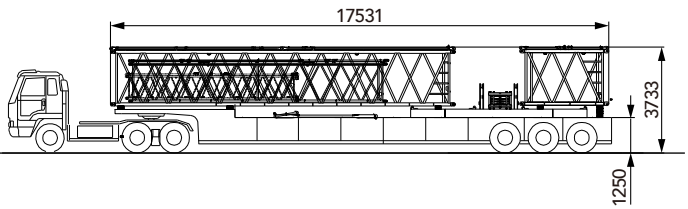


Trailer 4	
Part (s)	▪ Rear counterweight 1×2: 12t ▪ 12m boom insert ×1: 1.86t ▪ 9m luffing jib insert ×1: 0.67t ▪ 3m luffing jib insert ×1: 0.29t ▪ 6m fixed jib insert ×1: 0.33t ▪ 12m boom pendant bar ×1: 0.37t ▪ 6m boom pendant bar ×1: 0.1t ▪ 150t hook ×1: 2.91t
Transport weight	▪ 18.53t

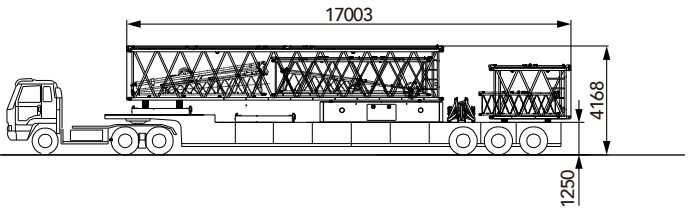


Transport Plan

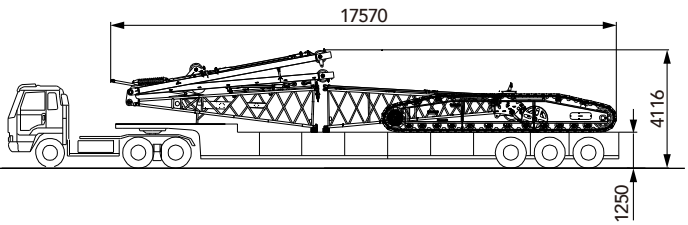
Trailer 5	
Part (s)	▪ 12m boom insert ×1: 1.86t ▪ 3m boom insert ×1: 0.6t ▪ 9m luffing jib insert ×1: 0.69t ▪ 6m fixed jib insert ×1: 0.33t ▪ Rear counterweight tray ×1: 13t ▪ 12m boom pendant bar ×1: 0.37t ▪ 3m boom pendant bar ×2: 0.12t ▪ 80t hook ×1: 1.94t
Transport weight	▪ 18.91t



Trailer 6	
Part (s)	▪ 12m boom insert ×1: 1.86t ▪ 3m boom insert ×1: 0.6t ▪ 6m luffing jib insert ×1: 0.49t ▪ 3m fixed jib insert ×1: 0.19t ▪ Fixed jib base with strut ×1: 0.88t ▪ Fixed jib top ×1: 0.49t ▪ Carbody counterweight ×2: 20t ▪ Rear counterweight block 2×2: 6t ▪ Boom runner ×1: 0.29t
Transport weight	▪ 30.8t



Trailer 6	
Part (s)	▪ Track frame ×1: 14t ▪ Luffing jib top with runner ×1: 0.89t ▪ Luffing jib base with mast ×1: 3.71t
Transport weight	▪ 18.6t



C

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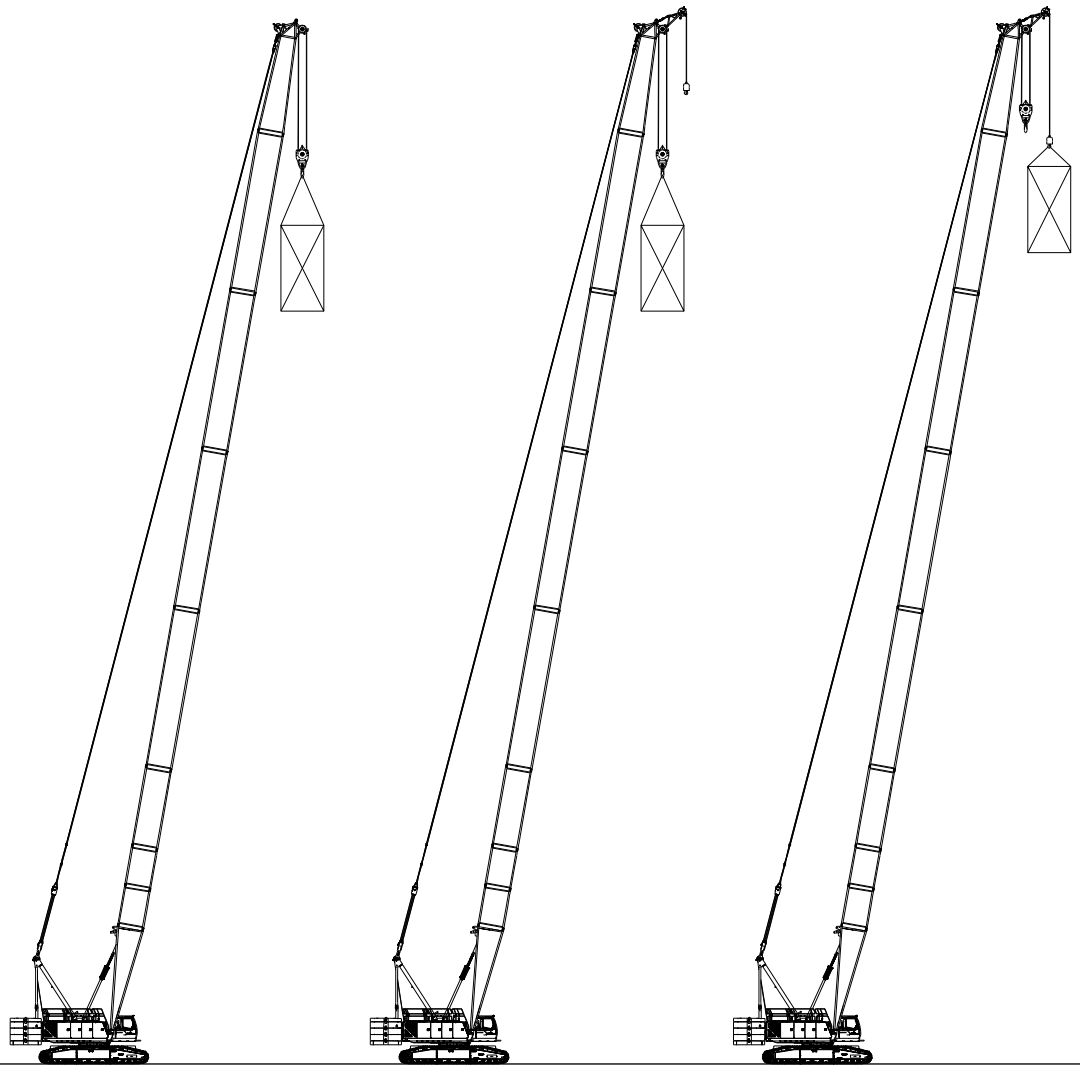
Configurations

> 19

Combination



H Configuration

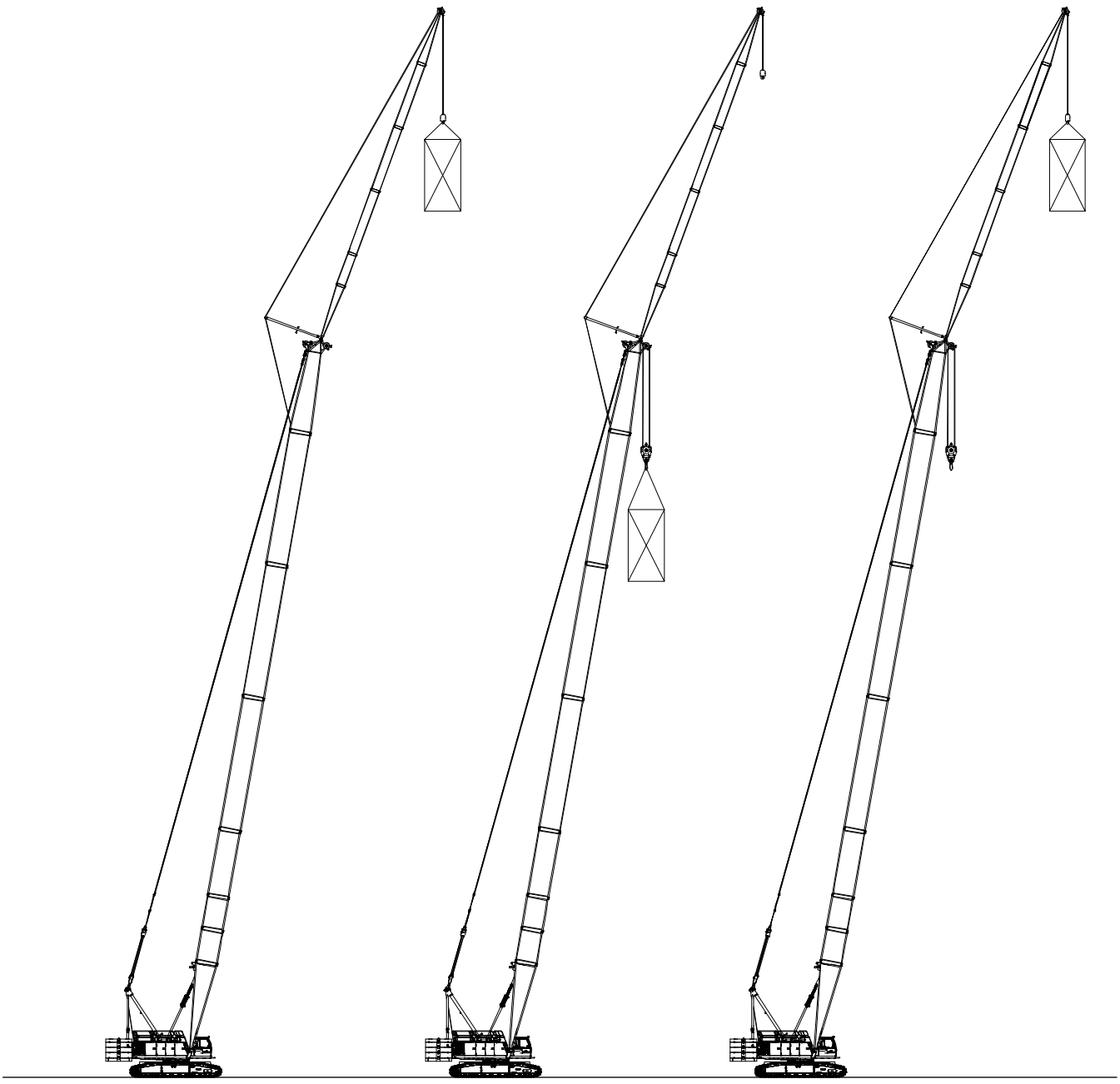
HCm Configuration
(double hooks, load on main hook)

HCa Configuration
(double hooks,load on aux. hook)

Configuration	Boom combination	Boom length
H	Boom	16m~76m
HCm	Boom + Runner (double hooks, load on main hook)	
HCa	Boom + Runner (double hooks, load on aux. hook)	

Note: The schematics above are reference for loading only.

Combination



FJ Configuration

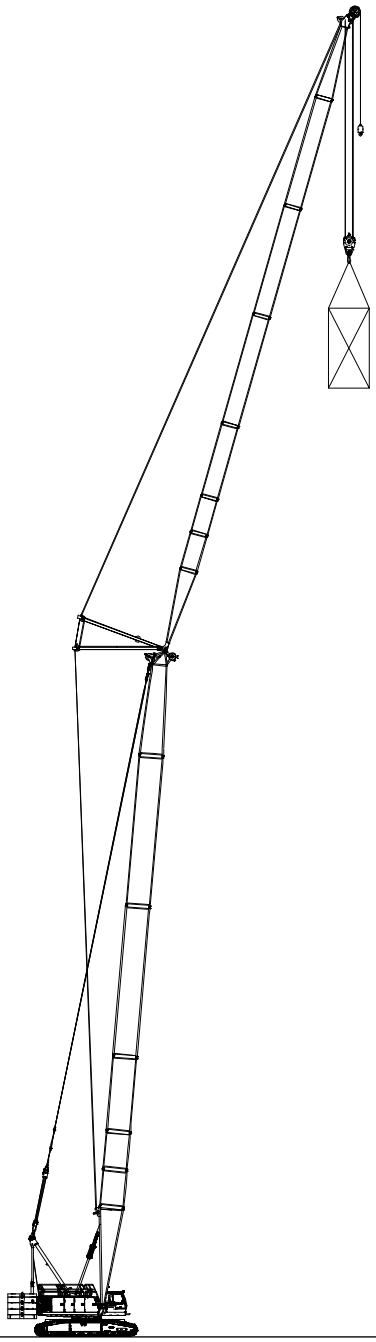
FJm Configuration
(double hooks, load on main hook)

FJa Configuration
(double hooks,load on aux. hook)

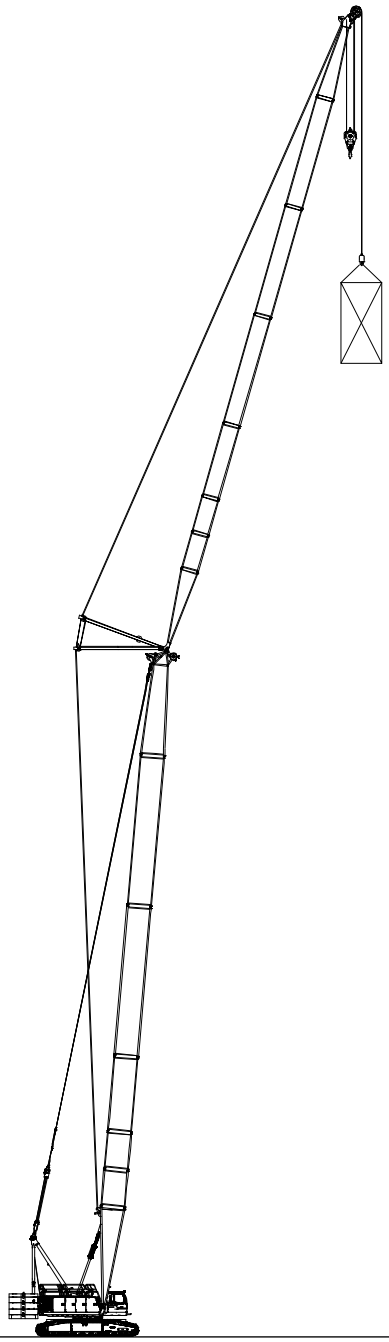
Configuration	Boom combination	Boom length
FJ	Boom + Fixed Jib (single hook)	(28m~64m) + (13m~31m)
FJm	Boom + Fixed Jib (double hooks, load on main hook)	
FJa	Boom + Fixed Jib (double hooks, load on aux. hook)	

Note: The schematics above are reference for loading only.

Combination



Luffing Jib Configuration

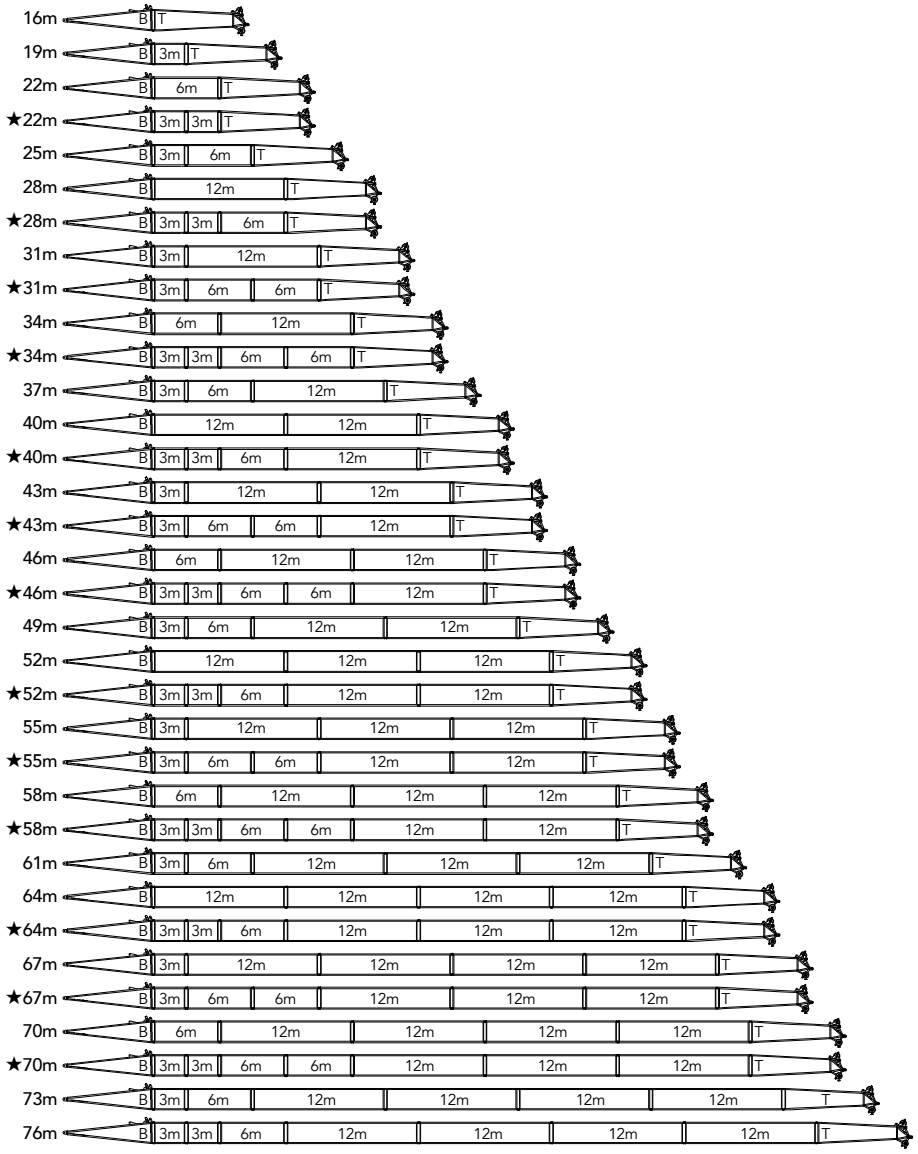


Luffing Jib LJa Configuration

Configuration	Boom combination	Boom length
LJ	Boom + Luffing Jib (double hooks, load on luffing jib hook)	(22m~52m) + (22m~52m)
LJa	Boom + Luffing Jib (double hooks, load on luffing jib runner hook)	

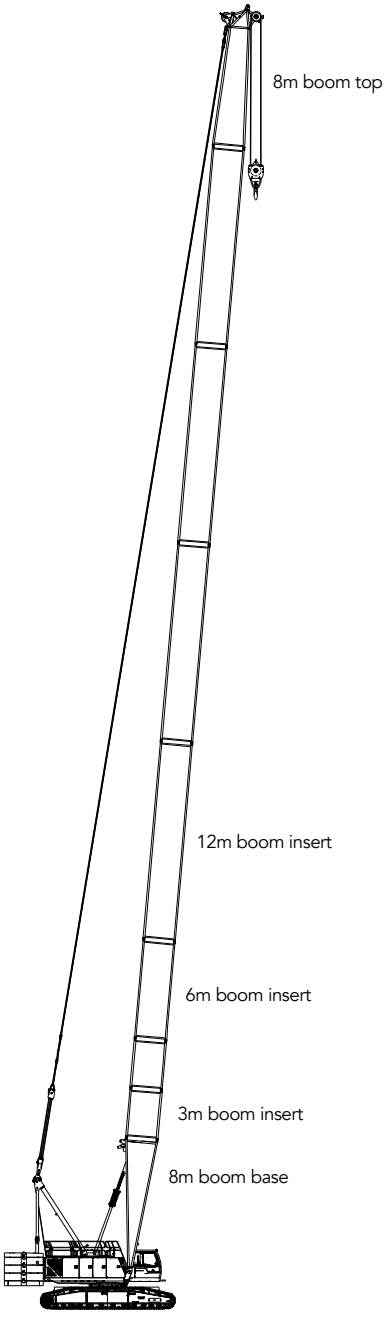
Note: The schematics above are reference for loading only.

Boom Combination in H



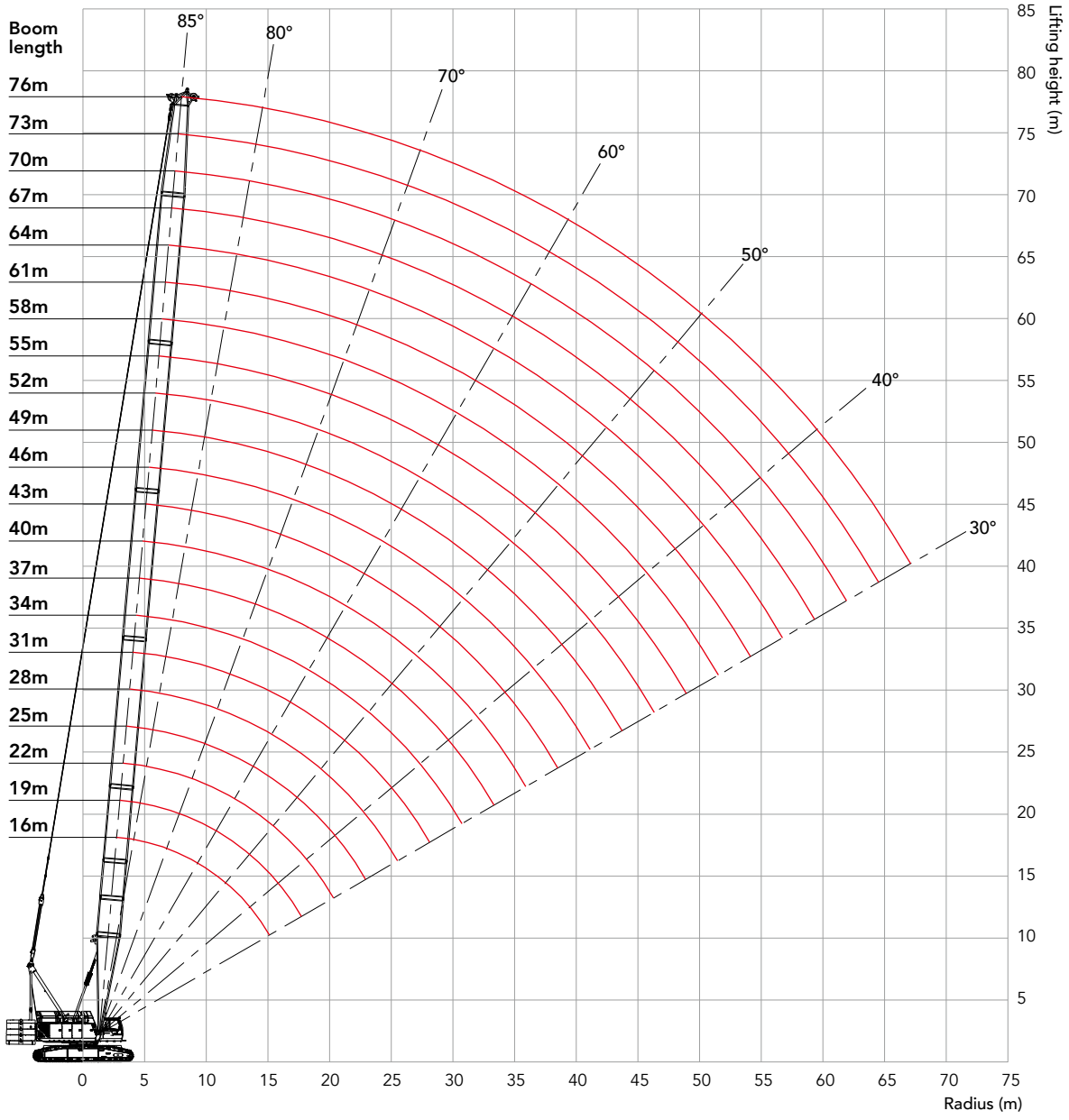
Note:The boom combinations with " ★ " are recommended for purchasing.

B	8m boom base
T	8m boom top
3m	3m insert of main boom
6m	6m insert of main boom
12m	12m insert of main boom



H Configuration
16m~76m

Working Range of H



Load Chart of H Configuration

Unit: t

Note:
1. The rated load in the load chart is calculated complying with GB/T 3811.
2. The working radius is the horizontal distance from the load center to the slewing center.
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart.
4. The load value is calculated when the object is hung freely, without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence of anyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed.
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient.
6. Parts of line as below are based on rated single line pull of 13.5t.
7. See the Operation Manual for the complete load charts of HCm and HCa configurations.

Load chart - H

Main hook, without runner

Boom length(m)	16					19					22					Boom length(m)
Counterweight (t) / Radius(m)	55+20	49+0	37+0	25+0	13+0	55+20	49+0	37+0	25+0	13+0	55+20	49+0	37+0	25+0	13+0	Counterweight (t) / Radius(m)
5	150.0					150.0					142.0					5
6	147.0					145.0					138.0					6
7	124.0	119.0	102.0	82.6	62.8	123.0	117.0	98.8	79.8	60.7	123.0	113.0	95.5	77.1	58.6	7
8	106.0	98.3	82.5	66.6	50.6	106.0	98.0	82.1	66.2	50.2	106.0	95.1	79.7	64.2	48.7	8
9	92.9	81.1	67.9	54.7	41.5	92.8	81.2	68.0	54.8	41.6	92.8	81.3	68.1	54.9	41.5	9
10	80.5	68.9	57.6	46.3	35.0	80.6	69.0	57.7	46.4	35.0	80.6	69.0	57.7	46.4	35.1	10
11	69.8	59.8	49.9	40.0	30.1	69.9	59.8	49.9	40.1	30.1	69.9	59.8	50.0	40.1	30.2	11
12	61.7	52.7	43.9	35.2	26.3	61.7	52.7	43.9	35.2	26.4	61.7	52.7	44.0	35.2	26.4	12
13	55.1	47.0	39.1	31.3	23.3	55.1	47.0	39.1	31.3	23.3	55.1	47.0	39.2	31.3	23.3	13
14	50.5	42.4	35.2	28.1	20.8	49.7	42.4	35.2	28.1	20.8	49.7	42.4	35.2	28.1	20.9	14
15	45.9	38.5	32.0	25.4	18.8	45.2	38.5	32.0	25.4	18.8	45.2	38.5	32.0	25.4	18.8	15
16						41.5	35.2	29.2	23.2	17.0	41.5	35.2	29.2	23.2	17.0	16
17						38.8	32.4	26.8	21.2	15.5	38.2	32.4	26.8	21.2	15.5	17
18						35.9	30.0	24.8	19.6	14.2	35.4	30.0	24.8	19.6	14.2	18
19											33.4	27.9	23.0	18.1	13.1	19
20											31.2	26.0	21.4	16.8	12.1	20
Parts of line	13	9	8	7	5	13	9	8	6	5	12	9	8	6	5	Parts of line

Load Chart of H Configuration

Unit: t

Load chart - H																
Main hook, without runner																
Boom length(m)	25					28					31					Boom length(m)
Counterweight (t) / Radius(m)	55+20	49+0	37+0	25+0	13+0	55+20	49+0	37+0	25+0	13+0	55+20	49+0	37+0	25+0	13+0	Counterweight (t) / Radius(m)
6	128.0					128.0					118.0					6
7	122.0					122.0					115.0					7
8	106.0	92.4	77.4	62.4	47.2	106.0	89.9	75.3	60.6	45.9	103.0	87.4	73.2	58.9	44.6	8
9	92.6	79.5	66.5	53.5	40.4	92.0	77.6	64.9	52.2	39.3	89.8	75.7	63.3	50.8	38.3	9
10	80.6	69.0	57.7	46.4	35.0	80.9	68.2	56.9	45.7	34.3	79.1	66.6	55.6	44.6	33.5	10
11	69.9	59.8	49.9	40.1	30.1	69.9	59.8	49.9	40.1	30.1	70.6	59.4	49.5	39.6	29.6	11
12	61.7	52.6	43.9	35.1	26.3	61.7	52.6	43.9	35.1	26.3	61.6	52.5	43.8	35.0	26.2	12
13	55.1	46.9	39.1	31.2	23.3	55.1	46.9	39.1	31.2	23.3	55.0	46.8	39.0	31.1	23.2	13
14	49.6	42.3	35.1	28.0	20.8	49.6	42.3	35.1	28.0	20.8	49.5	42.2	35.0	27.9	20.7	14
15	45.2	38.4	31.9	25.3	18.7	45.1	38.4	31.9	25.3	18.7	45.0	38.3	31.7	25.2	18.6	15
16	41.4	35.1	29.1	23.1	17.0	41.4	35.1	29.1	23.1	16.9	41.3	35.0	29.0	22.9	16.8	16
17	38.1	32.3	26.7	21.1	15.4	38.1	32.3	26.7	21.1	15.4	38.0	32.2	26.6	21.0	15.3	17
18	35.3	29.9	24.7	19.5	14.1	35.3	29.9	24.7	19.4	14.1	35.2	29.8	24.5	19.3	14.0	18
19	32.8	27.8	22.9	18.0	13.0	32.8	27.8	22.9	18.0	13.0	32.7	27.6	22.7	17.8	12.9	19
20	31.1	25.9	21.3	16.7	12.0	30.6	25.9	21.3	16.7	12.0	30.5	25.8	21.1	16.5	11.8	20
22	27.4	22.7	18.6	14.5	10.3	27.0	22.7	18.6	14.5	10.3	26.9	22.6	18.5	14.3	10.1	22
24						24.4	20.2	16.4	12.7	8.9	23.9	20.0	16.3	12.6	8.8	24
26						21.9	18.1	14.7	11.2	7.7	21.8	17.9	14.5	11.1	7.6	26
28											19.7	16.1	13.0	9.9	6.6	28
Parts of line	11	7	6	5	4	10	7	6	5	4	9	7	6	5	4	Parts of line

Load Chart of H Configuration

Unit: t

Load chart - H														
Main hook, without runner														
Boom length(m)	34					37				40				Boom length(m)
Counterweight (t) / Radius(m)	55+20	49+0	37+0	25+0	13+0	55+20	49+0	37+0	25+0	55+20	49+0	37+0	25+0	Counterweight (t) / Radius(m)
7	107.0					97.0				90.5				7
8	100.0					96.3				88.7				8
9	87.7	73.9	61.7	49.6	37.3	85.6	72.1	60.2	48.3	83.7	70.4	58.8	47.1	9
10	77.4	65.1	54.4	43.5	32.6	75.7	63.7	53.1	42.5	74.2	62.3	52.0	41.6	10
11	69.2	58.2	48.5	38.7	28.9	67.8	57.0	47.4	37.9	66.5	55.8	46.5	37.1	11
12	61.5	52.5	43.7	34.8	25.9	61.3	51.4	42.8	34.0	60.2	50.5	41.9	33.4	12
13	54.9	46.8	38.9	31.0	23.1	54.8	46.6	38.8	30.9	54.9	46.0	38.1	30.3	13
14	49.4	42.1	34.9	27.8	20.6	49.3	42.0	34.8	27.7	49.3	41.9	34.7	27.6	14
15	44.9	38.2	31.7	25.1	18.5	44.8	38.1	31.5	25.0	44.7	38.0	31.4	24.9	15
16	41.2	34.9	28.9	22.8	16.7	41.0	34.8	28.7	22.7	40.9	34.7	28.6	22.6	16
17	37.9	32.1	26.5	20.9	15.2	37.7	31.9	26.3	20.7	37.6	31.9	26.3	20.7	17
18	35.1	29.7	24.4	19.2	13.9	34.9	29.5	24.3	19.0	34.9	29.4	24.2	19.0	18
19	32.6	27.5	22.6	17.7	12.7	32.4	27.4	22.5	17.6	32.3	27.3	22.4	17.5	19
20	30.4	25.6	21.0	16.4	11.7	30.2	25.5	20.9	16.3	30.1	25.4	20.8	16.2	20
22	26.8	22.5	18.4	14.2	10.0	26.6	22.3	18.2	14.1	26.5	22.2	18.1	14.0	22
24	23.7	19.9	16.2	12.5	8.6	23.6	19.7	16.0	12.3	23.5	19.7	15.9	12.2	24
26	21.4	17.8	14.4	11.0	7.5	21.2	17.6	14.2	10.8	21.1	17.5	14.1	10.7	26
28	19.6	16.0	12.9	9.8	6.5	19.1	15.8	12.7	9.6	19.0	15.7	12.6	9.5	28
30	17.8	14.5	11.6	8.7	5.7	17.6	14.3	11.4	8.5	17.2	14.2	11.3	8.4	30
32						16.1	13.0	10.3	7.6	15.8	12.9	10.2	7.5	32
34										14.6	11.8	9.2	6.7	34
36										13.4	10.8	8.4	6.0	36
Parts of line	8	6	5	4	3	7	6	5	4	7	6	5	4	Parts of line

Load Chart of H Configuration

Unit: t

Load chart - H												
Main hook, without runner												
Boom length(m)	43				46				49			Boom length(m)
Counterweight (t) / Radius(m)	55+20	49+0	37+0	25+0	55+20	49+0	37+0	25+0	55+20	49+0	37+0	Counterweight (t) / Radius(m)
8	81.4				75.2				68.3			8
9	79.7				73.6				68.1			9
10	72.6	61.0	50.8	40.6	71.1	59.7	49.7	39.6	67.0	58.4	48.6	10
11	65.2	54.7	45.5	36.2	63.9	53.6	44.5	35.4	62.6	52.5	43.6	11
12	59.1	49.5	41.1	32.6	58.0	48.5	40.2	31.9	56.9	47.6	39.4	12
13	53.9	45.1	37.4	29.6	53.0	44.3	36.7	29.0	52.0	43.4	35.9	13
14	49.6	41.4	34.2	27.0	48.7	40.7	33.6	26.5	47.9	39.9	32.9	14
15	44.6	37.8	31.3	24.7	45.0	37.5	30.9	24.3	44.3	36.8	30.3	15
16	40.8	34.5	28.5	22.5	40.7	34.4	28.4	22.3	40.5	34.2	28.1	16
17	37.5	31.7	26.1	20.5	37.3	31.6	26.0	20.4	37.2	31.4	25.8	17
18	34.7	29.3	24.0	18.8	34.6	29.1	23.9	18.7	34.4	29.0	23.7	18
19	32.2	27.1	22.2	17.3	32.0	27.0	22.1	17.2	31.9	26.8	21.9	19
20	30.0	25.2	20.6	16.0	29.8	25.1	20.5	15.9	29.6	24.9	20.3	20
22	26.3	22.0	17.9	13.8	26.2	21.9	17.8	13.7	26.0	21.7	17.6	22
24	23.3	19.5	15.8	12.0	23.2	19.3	15.6	11.9	23.0	19.1	15.4	24
26	20.9	17.3	13.9	10.5	20.8	17.2	13.8	10.4	20.6	17.0	13.6	26
28	18.8	15.6	12.4	9.3	18.7	15.4	12.3	9.2	18.5	15.2	12.1	28
30	17.0	14.0	11.1	8.2	16.9	13.9	11.0	8.1	16.7	13.7	10.8	30
32	15.6	12.7	10.0	7.3	15.4	12.6	9.9	7.2	15.2	12.4	9.7	32
34	14.2	11.6	9.1	6.5	14.1	11.4	8.9	6.4	13.9	11.2	8.7	34
36	13.3	10.6	8.2	5.8	12.9	10.4	8.0	5.7	12.7	10.2	7.8	36
38	12.2	9.7	7.4	5.2	12.1	9.5	7.3	5.1	11.7	9.3	7.1	38
40					11.1	8.7	6.6	4.5	10.9	8.5	6.4	40
44									9.3	7.1	5.2	44
Parts of line	6	5	4	3	6	5	4	3	5	5	4	Parts of line

Load Chart of H Configuration

Unit: t

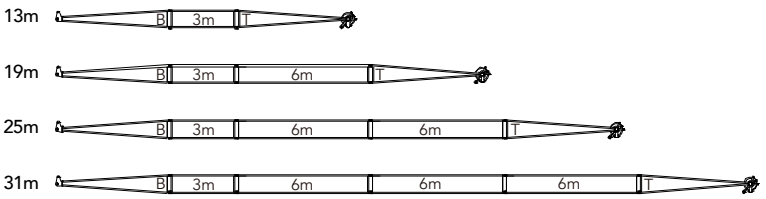
Load chart - H										
Main hook, without runner										
Boom length(m)	52			55			58			Boom length(m)
Counterweight (t) / Radius(m)	55+20	49+0	37+0	55+20	49+0	37+0	55+20	49+0	37+0	Counterweight (t) / Radius(m)
9	61.0			54.5			49.2			9
10	60.6			54.5			48.9			10
11	60.6	51.5	42.7	54.1	50.4	41.8	48.8	48.8	40.9	11
12	55.9	46.7	38.7	54.0	45.8	37.9	48.6	44.9	37.1	12
13	51.1	42.7	35.2	50.2	41.9	34.5	48.3	41.1	33.8	13
14	47.1	39.2	32.3	46.2	38.5	31.7	45.4	37.8	31.0	14
15	43.6	36.2	29.8	42.8	35.6	29.2	42.1	34.9	28.6	15
16	40.5	33.6	27.6	39.8	33.0	27.0	39.1	32.4	26.5	16
17	37.1	31.3	25.6	37.1	30.7	25.1	36.5	30.2	24.6	17
18	34.3	28.8	23.6	34.1	28.7	23.4	34.2	28.2	22.9	18
19	31.8	26.7	21.8	31.6	26.5	21.6	31.4	26.4	21.4	19
20	29.6	24.8	20.2	29.4	24.6	20.0	29.3	24.5	19.9	20
22	25.9	21.6	17.5	25.7	21.4	17.3	25.5	21.3	17.1	22
24	23.0	19.0	15.3	22.8	18.8	15.1	22.6	18.7	14.9	24
26	20.5	16.9	13.5	20.3	16.7	13.3	20.1	16.5	13.1	26
28	18.3	15.1	12.0	18.2	14.9	11.8	18.0	14.7	11.6	28
30	16.6	13.6	10.7	16.4	13.4	10.5	16.3	13.2	10.3	30
32	15.1	12.3	9.6	14.9	12.1	9.4	14.7	11.9	9.2	32
34	13.8	11.1	8.6	13.6	10.9	8.4	13.4	10.7	8.2	34
36	12.6	10.1	7.7	12.4	9.9	7.5	12.2	9.7	7.4	36
38	11.5	9.2	7.0	11.3	9.0	6.8	11.2	8.8	6.6	38
40	10.8	8.4	6.3	10.4	8.2	6.1	10.2	8.0	5.9	40
44	9.2	7.0	5.1	9.0	6.8	4.9	8.7	6.7	4.7	44
48				7.7	5.7	4.0	7.5	5.5	3.8	48
52							6.4	4.6		52
Parts of line	5	4	4	4	4	4	4	4	4	Parts of line

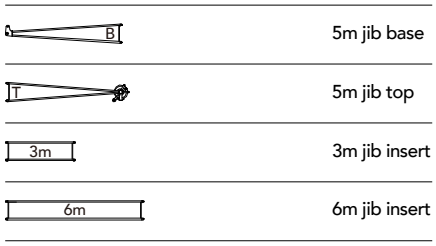
Load Chart of H Configuration

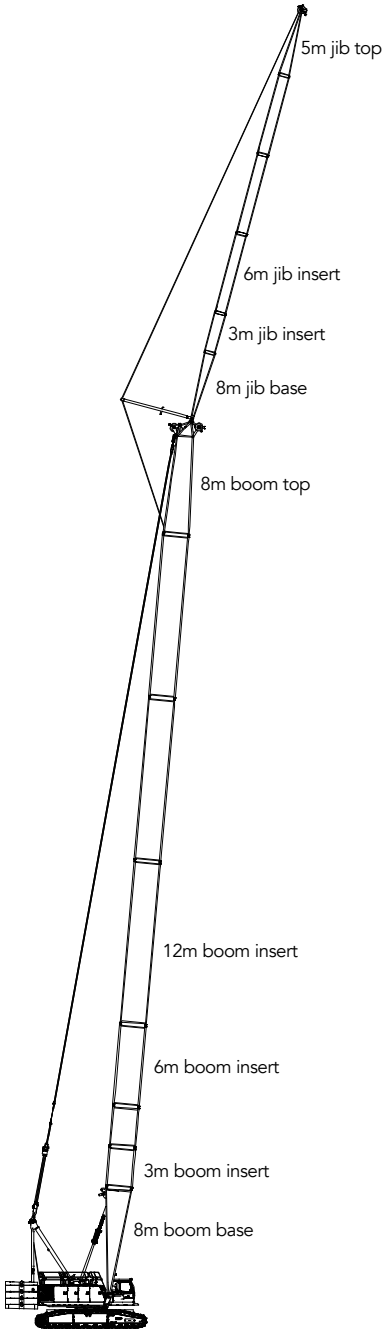
Unit: t

Load chart - H										
Main hook, without runner										
Boom length(m)	61		64		67		70	73	76	Boom length(m)
Counterweight (t) / Radius(m)	55+20	49+0	55+20	49+0	55+20	49+0	55+20	55+20	55+20	Counterweight (t) / Radius(m)
10	44.2		40.1		36.4					10
11	44.1		39.7		36.2		32.8	29.9	27.1	11
12	43.7	43.7	39.5	39.5	36.0	36.0	32.6	29.5	26.6	12
13	43.5	40.3	39.3	39.3	35.8	35.8	32.1	28.9	26.1	13
14	43.3	37.1	39.1	36.4	35.2	35.2	31.6	28.4	25.6	14
15	41.3	34.3	38.5	33.7	34.6	33.0	31.0	27.9	25.1	15
16	38.5	31.8	37.8	31.3	34.0	30.7	30.5	27.4	24.6	16
17	35.9	29.6	35.3	29.1	33.4	28.6	29.9	26.8	24.1	17
18	33.6	27.7	33.1	27.2	32.5	26.7	29.4	26.3	23.6	18
19	31.6	25.9	31.1	25.5	30.5	25.0	28.8	25.8	23.1	19
20	29.1	24.3	29.3	23.9	28.7	23.5	28.3	25.3	22.7	20
22	25.3	21.1	25.2	20.9	25.0	20.7	25.2	24.4	21.8	22
24	22.4	18.5	22.3	18.3	22.1	18.1	21.9	21.7	20.9	24
26	19.9	16.3	19.8	16.2	19.6	16.0	19.4	19.2	19.0	26
28	17.8	14.5	17.6	14.4	17.4	14.2	17.3	17.1	16.9	28
30	16.1	13.0	15.9	12.9	15.7	12.7	15.6	15.4	15.2	30
32	14.5	11.7	14.4	11.5	14.2	11.3	14.0	13.8	13.6	32
34	13.2	10.5	13.0	10.4	12.8	10.2	12.7	12.4	12.2	34
36	12.0	9.5	11.9	9.4	11.6	9.2	11.5	11.3	11.0	36
38	10.9	8.6	10.8	8.5	10.6	8.3	10.4	10.2	10.0	38
40	10.0	7.8	9.9	7.7	9.8	7.5	9.6	9.4	9.1	40
44	8.5	6.4	8.4	6.3	8.1	6.1	8.0	7.7	7.5	44
48	7.3	5.3	7.0	5.2	6.8	5.0	6.6	6.4	6.2	48
52	6.2	4.4	6.0	4.2	5.8	4.0	5.5	5.3	5.1	52
56			5.1	3.4	4.9	3.2	4.7	4.4	4.1	56
60							3.9	3.6	3.4	60
64								2.9	2.7	64
Parts of line	4	4	3	3	3	3	3	3	2	Parts of line

Boom Combination in FJ

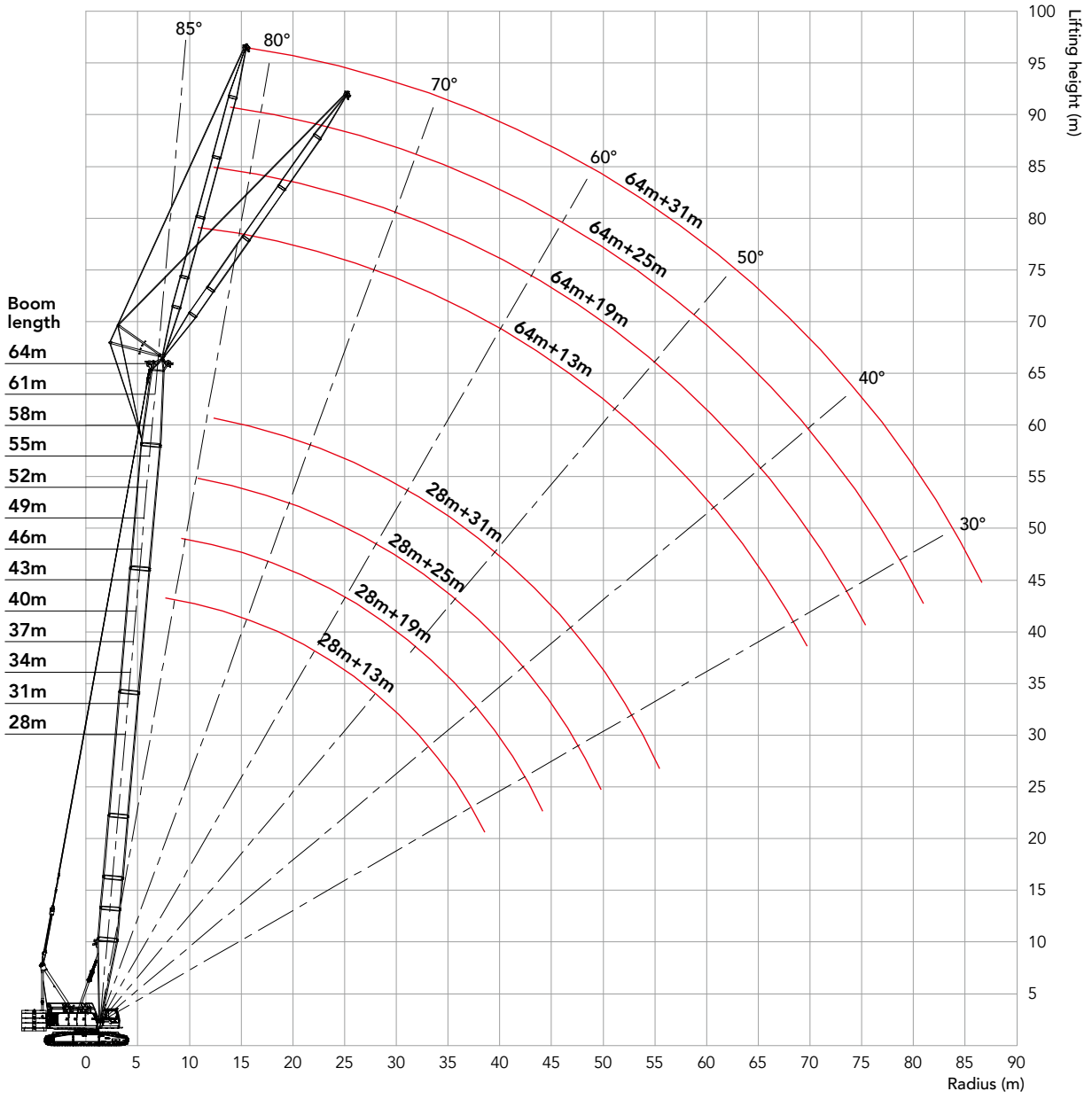






FJ Configuration
(28m~64m)+(13m~31m)

Working Range of FJ



Load Chart of FJ Configuration

Unit: t

Note:
1. The rated load in the load chart is calculated complying with GB/T 3811.
2. The working radius is the horizontal distance from the load center to the slewing center.
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart.
4. The load value is calculated when the object is hung freely, without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence of anyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed.
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient.
6. Parts of line as below are based on rated single line pull of 13.5t.
7. See the Operation Manual for the complete load charts of FJm and FJa configurations.

Load chart- FJa (Auxiliary hook, without main hook)

Jib 13m, boom to jib angle 10°

Boom length (m) / Radius (m)	28	31	34	37	40	43	46	49	52	55	58	61	64	Boom length (m) / Radius (m)
9	35.0	34.6	34.3											9
10	34.5	34.2	34.0	33.8	33.3	32.9								10
11	34.0	33.7	33.6	33.2	32.9	32.7	32.2	31.6	31.1					11
12	33.4	33.5	33.2	32.9	32.6	32.2	31.8	31.4	30.9	30.2	29.2	27.0		12
13	33.0	33.1	32.9	32.6	32.3	31.9	31.6	31.2	30.7	30.1	29.1	26.9	25.0	13
14	32.8	32.8	32.6	32.4	32.0	31.7	31.4	31.0	30.5	30.0	29.1	26.8	24.9	14
15	32.4	32.3	32.2	32.1	31.7	31.5	31.1	30.8	30.3	29.7	29.0	26.8	24.7	15
16	31.1	31.7	31.9	31.8	31.5	31.4	30.9	30.6	30.1	29.5	28.9	26.6	24.5	16
17	29.7	30.2	30.7	30.9	31.3	31.0	30.7	30.3	29.8	29.3	28.6	26.3	24.2	17
18	28.3	28.7	29.3	29.6	29.9	30.1	30.1	30.1	29.6	29.2	28.4	26.1	24.0	18
19	27.0	27.5	28.2	28.5	28.8	28.9	29.0	29.0	28.9	28.6	28.1	25.9	23.7	19
20	25.8	26.4	27.1	27.5	27.7	27.8	28.0	28.0	27.9	27.7	27.5	25.7	23.5	20
22	23.8	24.4	24.9	25.4	25.7	25.9	26.0	26.0	26.2	26.0	25.8	25.2	23.0	22
24	21.8	22.5	23.1	23.4	23.9	23.4	23.3	23.1	23.0	22.9	22.7	22.8	22.4	24
26	20.2	20.9	21.5	21.3	21.1	21.0	20.8	20.6	20.5	20.3	20.1	20.0	19.8	26
28	18.7	19.4	19.3	19.2	19.0	18.8	18.7	18.5	18.3	18.2	18.0	17.8	17.6	28
30	17.5	17.7	17.5	17.3	17.2	17.0	16.8	16.7	16.5	16.4	16.2	16.1	15.9	30
32	16.3	16.2	16.1	15.9	15.7	15.5	15.4	15.2	15.0	14.8	14.7	14.5	14.3	32
34	15.2	14.9	14.7	14.5	14.4	14.2	14.0	13.8	13.6	13.5	13.3	13.1	12.9	34
36	13.9	13.7	13.5	13.3	13.2	13.0	12.8	12.6	12.4	12.2	12.1	11.9	11.7	36
38	12.8	12.6	12.4	12.2	12.1	11.9	11.7	11.5	11.4	11.2	11.0	10.8	10.6	38
40		11.6	11.5	11.3	11.1	10.9	10.8	10.6	10.4	10.2	10.0	9.9	9.8	40
44				9.7	9.6	9.4	9.2	9.0	8.9	8.7	8.5	8.3	8.1	44
48					8.2	8.1	7.9	7.7	7.5	7.3	7.1	6.9	6.8	48
52							6.7	6.5	6.4	6.2	6.0	5.8	5.6	52
56								5.6	5.4	5.2	5.0	4.8	4.7	56
60										4.4	4.2	4.0	3.8	60
64											3.5	3.3	3.2	64
68													2.5	68
Counterweight	55+20													Counterweight
Parts of line	3	3	3	3	3	3	3	3	3	3	3	2	2	Parts of line

Load Chart of FJ Configuration

Unit: t

Load chart- FJa (Auxiliary hook, without main hook)														
Jib 19m, boom to jib angle 10°														
Boom length (m) / Radius (m)	28	31	34	37	40	43	46	49	52	55	58	61	64	Boom length (m) / Radius (m)
14	22.2	22.3	22.2											14
15	21.9	21.9	21.9	21.9	21.6	21.6								15
16	21.6	21.6	21.6	21.6	21.4	21.4	21.2	21.0	20.8					16
17	21.2	21.3	21.3	21.3	21.2	21.2	21.0	20.8	20.6	20.4	20.0	19.0		17
18	20.9	21.1	21.1	21.0	21.1	21.0	20.8	20.6	20.4	20.2	19.9	18.9	17.9	18
19	20.6	20.7	20.8	20.8	20.8	20.7	20.6	20.5	20.2	20.1	19.7	18.7	17.7	19
20	20.4	20.4	20.6	20.6	20.5	20.5	20.4	20.4	20.1	20.0	19.6	18.6	17.6	20
22	19.8	20.0	20.0	20.1	20.1	20.1	20.0	19.9	19.7	19.6	19.3	18.3	17.4	22
24	19.3	19.4	19.6	19.7	19.7	19.7	19.7	19.5	19.4	19.4	18.9	18.0	17.1	24
26	18.1	18.6	19.0	19.2	19.3	19.3	19.2	19.2	19.2	19.0	18.6	17.7	16.8	26
28	17.0	17.3	17.8	18.0	18.2	18.5	18.6	18.7	18.7	18.6	18.3	17.4	16.5	28
30	15.9	16.4	16.7	17.0	17.3	17.4	17.6	17.2	17.0	16.9	16.7	16.6	16.2	30
32	14.9	15.3	15.7	16.0	16.3	16.0	15.8	15.7	15.5	15.4	15.2	15.0	14.9	32
34	14.1	14.5	14.8	14.9	14.8	14.6	14.5	14.3	14.1	14.0	13.8	13.6	13.5	34
36	13.1	13.5	14.0	13.7	13.6	13.4	13.2	13.0	12.9	12.7	12.6	12.4	12.2	36
38	12.3	12.8	12.8	12.6	12.5	12.3	12.1	12.0	11.8	11.6	11.5	11.3	11.1	38
40	11.6	12.2	11.8	11.7	11.5	11.3	11.2	11.0	10.8	10.6	10.5	10.3	10.1	40
44	10.3	10.3	10.2	10.0	9.9	9.8	9.6	9.4	9.3	9.1	8.9	8.7	8.6	44
48			8.9	8.7	8.6	8.4	8.2	8.0	7.9	7.7	7.5	7.3	7.2	48
52				7.6	7.4	7.2	7.1	6.9	6.7	6.5	6.4	6.2	6.0	52
56						6.3	6.1	5.9	5.7	5.6	5.4	5.2	5.0	56
60							5.2	5.0	4.9	4.7	4.5	4.3	4.2	60
64									4.1	3.9	3.8	3.6	3.4	64
68											3.2	3.0	2.8	68
72												2.4	2.3	72
Counterweight	55+20													Counterweight
Parts of line	2	2	2	2	2	2	2	2	2	2	2	2	2	Parts of line

Load Chart of FJ Configuration

Unit: t

Load chart- FJa (Auxiliary hook, without main hook)														
Jib 25m, boom to jib angle 10°														
Boom length (m) / Radius (m)	28	31	34	37	40	43	46	49	52	55	58	61	64	Boom length (m) / Radius (m)
16	15.4	15.3	15.2											16
17	15.1	15.1	15.0	14.9	14.8	14.6								17
18	14.9	14.9	14.8	14.7	14.6	14.5	14.3	14.1	13.9					18
19	14.7	14.6	14.6	14.5	14.4	14.3	14.1	13.9	13.7	13.5	13.2	12.9		19
20	14.5	14.4	14.4	14.3	14.3	14.2	14.0	13.8	13.6	13.4	13.1	12.8	12.4	20
22	14.0	14.0	14.0	13.9	13.9	13.8	13.7	13.6	13.4	13.2	12.9	12.6	12.2	22
24	13.6	13.6	13.6	13.6	13.6	13.5	13.4	13.3	13.1	12.9	12.7	12.4	12.0	24
26	13.2	13.2	13.2	13.2	13.2	13.1	13.1	13.0	12.8	12.7	12.5	12.2	11.8	26
28	12.8	12.8	12.9	12.8	12.9	12.8	12.8	12.7	12.6	12.4	12.2	11.9	11.6	28
30	12.4	12.4	12.5	12.5	12.5	12.5	12.5	12.4	12.3	12.2	12.0	11.7	11.4	30
32	12.1	12.1	12.2	12.2	12.2	12.2	12.2	12.1	12.0	11.9	11.8	11.5	11.2	32
34	11.8	11.8	11.9	11.9	11.9	11.9	11.9	11.8	11.8	11.7	11.5	11.3	11.0	34
36	11.5	11.5	11.6	11.6	11.7	11.6	11.6	11.6	11.6	11.5	11.3	11.1	10.8	36
38	11.2	11.2	11.3	11.3	11.4	11.4	11.4	11.3	11.3	11.2	11.1	10.9	10.6	38
40	10.9	11.0	11.0	11.0	11.1	11.1	11.1	11.1	11.1	11.0	10.6	10.7	10.4	40
44	9.9	10.2	10.5	10.2	10.0	9.9	9.8	9.6	9.4	9.2	9.1	8.9	8.7	44
48	8.9	9.2	9.1	8.9	8.8	8.6	8.4	8.2	8.1	7.9	7.7	7.5	7.3	48
52		8.2	8.0	7.8	7.6	7.4	7.3	7.1	6.9	6.7	6.5	6.3	6.2	52
56				6.8	6.6	6.4	6.3	6.1	5.9	5.7	5.5	5.3	5.2	56
60					5.8	5.6	5.4	5.2	5.1	4.9	4.7	4.5	4.3	60
64							4.7	4.5	4.3	4.1	4.0	3.8	3.6	64
68								3.8	3.7	3.5	3.3	3.2	3.0	68
72										3.0	2.8	2.6	2.4	72
76												2.1	1.9	76
Counterweight	55+20													Counterweight
Parts of line	2	2	2	2	2	2	2	2	2	1	1	1	1	Parts of line

Load Chart of FJ Configuration

Unit: t

Load chart- FJa (Auxiliary hook, without main hook)														
Jib 31m, boom to jib angle 10°														
Boom length (m) / Radius (m)	28	31	34	37	40	43	46	49	52	55	58	61	64	Boom length (m) / Radius (m)
18	9.8	9.7	9.7											18
19	9.6	9.6	9.5	9.5	9.5	9.5								19
20	9.5	9.5	9.4	9.4	9.4	9.4	9.3	9.2	9.1					20
22	9.2	9.2	9.2	9.2	9.2	9.1	9.1	9.0	9.0	8.9	8.8	8.6		22
24	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.8	8.8	8.7	8.6	8.5	8.3	24
26	8.6	8.6	8.7	8.7	8.7	8.7	8.7	8.6	8.6	8.5	8.4	8.3	8.2	26
28	8.4	8.4	8.4	8.4	8.5	8.5	8.4	8.4	8.4	8.3	8.2	8.1	8.0	28
30	8.1	8.1	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.1	8.1	8.0	7.9	30
32	7.9	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.9	7.8	7.7	32
34	7.7	7.7	7.8	7.8	7.8	7.8	7.9	7.8	7.8	7.8	7.8	7.7	7.6	34
36	7.5	7.5	7.6	7.6	7.6	7.7	7.7	7.7	7.7	7.6	7.6	7.5	7.4	36
38	7.2	7.3	7.4	7.4	7.5	7.5	7.5	7.5	7.5	7.5	7.4	7.4	7.3	38
40	6.9	7.1	7.2	7.2	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.2	7.2	40
44	6.4	6.6	6.8	6.9	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9	44
48	6.0	6.2	6.4	6.6	6.7	6.7	6.7	6.7	6.8	6.8	6.7	6.7	6.7	48
52	5.7	5.9	6.1	6.2	6.4	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.4	52
56		5.6	5.8	5.9	6.1	6.2	6.2	6.2	6.1	5.9	5.8	5.6	6.1	56
60			5.5	5.7	5.8	5.8	5.6	5.4	5.3	5.1	4.9	4.7	5.3	60
64					5.2	5.0	4.9	4.7	4.5	4.3	4.2	4.0	4.5	64
68						4.4	4.2	4.0	3.9	3.7	3.5	3.3	3.9	68
72								3.4	3.3	3.2	3.0	2.8	3.3	72
76									2.8	2.6	2.5	2.3	2.8	76
Counterweight	55+20													Counterweight
Parts of line	1	1	1	1	1	1	1	1	1	1	1	1	1	Parts of line

Load Chart of FJ Configuration

Unit: t

Load chart- FJa (Auxiliary hook, without main hook)														
Jib 13m, boom to jib angle 30°														
Boom length (m) / Radius (m)	28	31	34	37	40	43	46	49	52	55	58	61	64	Boom length (m) / Radius (m)
14	25.1	25.5	25.8											14
15	24.3	24.7	25.0	25.3	25.6	25.9								15
16	23.5	23.9	24.3	24.7	25.0	25.1	24.9	24.7	24.4					16
17	22.8	23.3	23.7	24.0	24.3	24.4	24.2	24.1	23.7	23.4	23.2	22.9		17
18	22.2	22.6	23.0	23.4	23.7	23.8	23.5	23.5	23.2	22.9	22.7	22.4	22.0	18
19	21.6	22.0	22.4	22.8	23.2	23.1	23.0	22.9	22.6	22.4	22.1	21.9	21.5	19
20	21.0	21.5	21.9	22.3	22.6	22.5	22.5	22.3	22.0	22.0	21.6	21.4	21.0	20
22	19.9	20.4	20.9	21.3	21.3	21.3	21.3	21.2	21.0	20.9	20.7	20.4	20.2	22
24	19.0	19.5	19.9	20.1	20.2	20.2	20.2	20.2	20.0	20.0	19.9	19.6	19.4	24
26	18.1	18.4	18.7	19.0	19.2	19.2	19.2	19.2	19.3	19.2	19.0	18.7	18.6	26
28	17.0	17.4	17.8	18.0	18.3	18.3	18.3	18.5	18.4	18.4	18.2	18.1	17.9	28
30	16.1	16.5	16.9	17.1	17.4	17.6	17.5	17.2	17.1	17.0	16.8	16.7	16.6	30
32	15.2	15.6	15.9	16.3	16.1	16.0	15.9	15.7	15.6	15.4	15.3	15.1	15.0	32
34	14.4	14.9	15.2	14.8	14.7	14.6	14.4	14.3	14.2	14.0	13.9	13.7	13.6	34
36	13.6	14.0	13.7	13.6	13.5	13.3	13.2	13.0	12.9	12.7	12.6	12.4	12.3	36
38	12.9	12.7	12.6	12.5	12.4	12.2	12.1	11.9	11.8	11.6	11.5	11.3	11.2	38
40		11.7	11.6	11.5	11.4	11.2	11.1	10.9	10.8	10.6	10.5	10.3	10.2	40
44			9.9	9.9	9.8	9.6	9.5	9.3	9.2	9.0	8.8	8.7	8.5	44
48					8.3	8.2	8.0	7.9	7.8	7.6	7.4	7.3	7.1	48
52						7.0	6.8	6.7	6.6	6.4	6.2	6.1	5.9	52
56								5.6	5.5	5.4	5.2	5.0	4.9	56
60									4.6	4.5	4.3	4.1	4.0	60
64											3.5	3.4	3.3	64
68													2.6	68
Counterweight	55+20													Counterweight
Parts of line	2	2	2	2	2	2	2	2	2	2	2	2	2	Parts of line

Load Chart of FJ Configuration

Unit: t

Load chart- FJa (Auxiliary hook, without main hook)														
Jib 19m, boom to jib angle 30°														
Boom length (m) / Radius (m)	28	31	34	37	40	43	46	49	52	55	58	61	64	Boom length (m) / Radius (m)
18	15.9	16.1	16.2											18
19	15.5	15.6	15.8	16.0	16.1	16.2								19
20	15.0	15.2	15.4	15.6	15.7	15.9	16.0	16.1	16.2					20
22	14.3	14.5	14.7	14.9	15.1	15.2	15.4	15.5	15.6	15.8	15.9	16.0		22
24	13.6	13.9	14.1	14.3	14.5	14.7	14.8	15.0	15.1	15.2	15.4	15.5	15.6	24
26	13.0	13.3	13.5	13.7	13.9	14.1	14.3	14.5	14.6	14.7	14.9	15.0	15.1	26
28	12.5	12.8	13.0	13.2	13.4	13.6	13.8	14.0	14.2	14.3	14.4	14.6	14.6	28
30	12.0	12.3	12.5	12.8	13.0	13.2	13.4	13.6	13.7	13.9	14.0	14.2	14.1	30
32	11.6	11.9	12.1	12.4	12.6	12.8	13.0	13.2	13.3	13.5	13.7	13.8	13.7	32
34	11.2	11.5	11.7	12.0	12.2	12.4	12.6	12.8	13.0	13.1	13.3	13.2	13.1	34
36	10.9	11.2	11.4	11.6	11.9	12.1	12.3	12.5	12.6	12.8	13.0	12.9	12.8	36
38	10.6	10.9	11.1	11.3	11.6	11.8	12.0	12.1	12.3	12.5	12.2	12.0	11.9	38
40	10.4	10.6	10.8	11.0	11.3	11.5	11.7	11.5	11.4	11.2	11.1	11.0	10.8	40
44	9.8	10.2	10.4	10.3	10.2	10.0	9.9	9.8	9.7	9.6	9.4	9.3	9.2	44
48			9.0	8.9	8.8	8.7	8.5	8.4	8.3	8.1	8.0	7.8	7.7	48
52				7.6	7.6	7.4	7.3	7.1	7.0	6.9	6.7	6.6	6.4	52
56						6.3	6.2	6.1	6.0	5.8	5.7	5.5	5.4	56
60							5.3	5.1	5.0	4.9	4.7	4.6	4.5	60
64									4.2	4.1	3.9	3.8	3.6	64
68										3.3	3.3	3.1	3.0	68
72												2.5	2.4	72
Counterweight	55+20													Counterweight
Parts of line	2	2	2	2	2	2	2	2	2	2	2	2	2	Parts of line

Load Chart of FJ Configuration

Unit: t

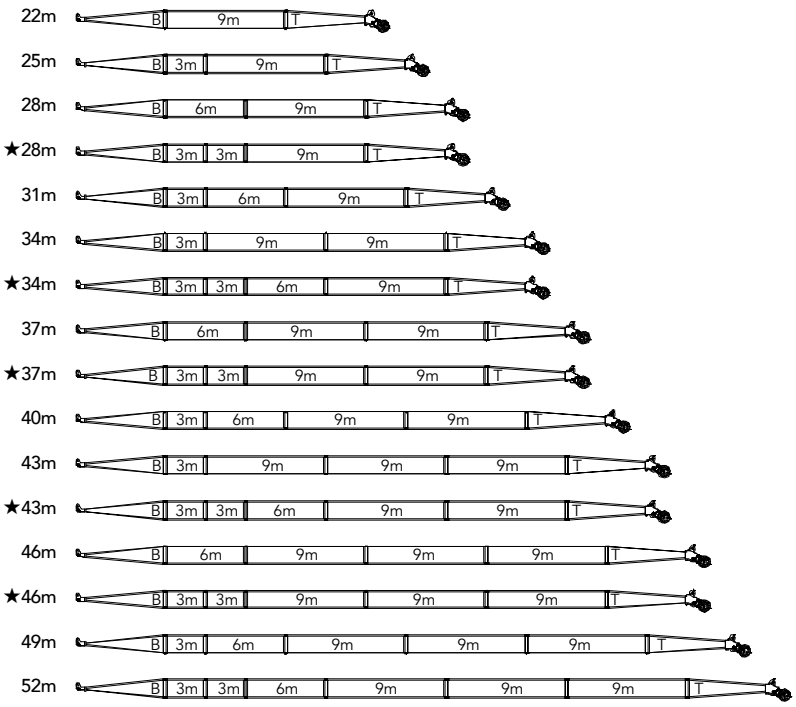
Load chart- FJa (Auxiliary hook, without main hook)														
Jib 25m, boom to jib angle 30°														
Boom length (m) / Radius (m)	28	31	34	37	40	43	46	49	52	55	58	61	64	Boom length (m) / Radius (m)
22	12.1	12.3	12.4											22
24	11.5	11.6	11.8	11.9	12.1	12.2								24
26	10.9	11.1	11.3	11.4	11.5	11.7	11.8	11.9	12.0					26
28	10.4	10.6	10.8	10.9	11.1	11.2	11.4	11.5	11.6	11.7	11.8	11.9		28
30	9.9	10.1	10.3	10.5	10.7	10.8	10.9	11.1	11.2	11.3	11.4	11.5	11.6	30
32	9.5	9.7	9.9	10.1	10.3	10.4	10.6	10.7	10.8	11.0	11.1	11.2	11.3	32
34	9.1	9.3	9.5	9.7	9.9	10.1	10.2	10.4	10.5	10.6	10.7	10.9	11.0	34
36	8.8	9.0	9.2	9.4	9.6	9.7	9.9	10.0	10.2	10.3	10.4	10.6	10.7	36
38	8.5	8.7	8.9	9.1	9.3	9.4	9.6	9.7	9.9	10.0	10.2	10.3	10.4	38
40	8.2	8.4	8.6	8.8	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.0	10.1	40
44	7.7	7.9	8.1	8.3	8.5	8.7	8.8	9.0	9.1	9.3	9.4	9.5	9.6	44
48	7.4	7.6	7.7	7.9	8.1	8.2	8.4	8.5	8.7	8.5	8.3	8.2	8.1	48
52		7.3	7.4	7.6	7.7	7.9	7.7	7.5	7.4	7.2	7.1	6.9	6.8	52
56			7.1	6.9	6.9	6.7	6.6	6.4	6.3	6.2	6.0	5.9	5.7	56
60					5.9	5.8	5.7	5.5	5.4	5.2	5.1	4.9	4.8	60
64						4.9	4.8	4.7	4.6	4.4	4.3	4.1	4.0	64
68								3.9	3.8	3.7	3.6	3.4	3.3	68
72									3.3	3.1	3.0	2.8	2.7	72
76											2.4	2.2	2.1	76
Counterweight	55+20													Counterweight
Parts of line	1	1	1	1	1	1	1	1	1	1	1	1	1	Parts of line

Load Chart of FJ Configuration

Unit: t

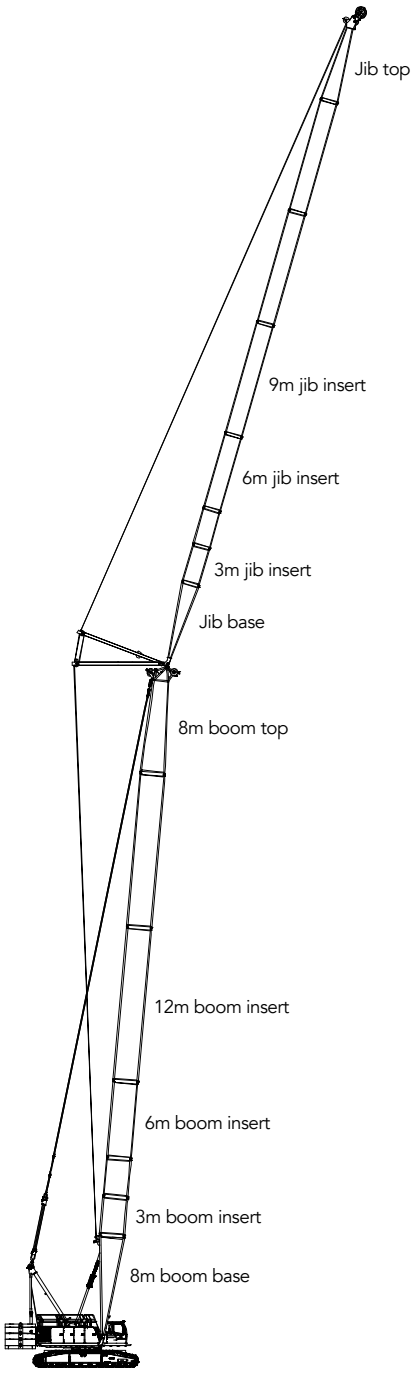
Load chart- FJa (Auxiliary hook, without main hook)														
Jib 31m, boom to jib angle 30°														
Boom length (m) / Radius (m)	28	31	34	37	40	43	46	49	52	55	58	61	64	Boom length (m) / Radius (m)
26	7.5	7.5	7.6											26
28	7.2	7.3	7.3	7.4	7.5	7.5								28
30	6.9	7.0	7.1	7.2	7.2	7.3	7.4	7.4	7.5					30
32	6.7	6.8	6.9	7.0	7.0	7.1	7.2	7.2	7.3	7.3	7.4	7.4		32
34	6.5	6.6	6.7	6.8	6.8	6.9	7.0	7.0	7.1	7.1	7.2	7.2	7.3	34
36	6.3	6.4	6.5	6.6	6.7	6.7	6.8	6.9	6.9	7.0	7.0	7.1	7.1	36
38	6.1	6.2	6.3	6.4	6.5	6.6	6.6	6.7	6.8	6.8	6.9	6.9	7.0	38
40	6.0	6.1	6.2	6.2	6.3	6.4	6.5	6.5	6.6	6.7	6.7	6.8	6.8	40
44	5.7	5.8	5.9	6.0	6.1	6.1	6.2	6.3	6.3	6.4	6.5	6.5	6.6	44
48	5.5	5.6	5.7	5.7	5.8	5.9	6.0	6.0	6.1	6.2	6.2	6.3	6.4	48
52	5.4	5.4	5.5	5.5	5.6	5.7	5.8	5.8	5.9	6.0	6.0	6.1	6.1	52
56	5.4	5.3	5.4	5.4	5.5	5.5	5.6	5.7	5.7	5.8	5.8	5.9	6.0	56
60			5.3	5.3	5.4	5.4	5.5	5.5	5.6	5.6	5.4	5.3	5.2	60
64				5.4	5.3	5.3	5.1	5.0	4.9	4.7	4.6	4.5	4.3	64
68						4.5	4.4	4.3	4.2	4.0	3.9	3.7	3.6	68
72							3.7	3.6	3.5	3.3	3.3	3.2	3.0	72
76									3.0	2.8	2.7	2.6	2.4	76
80										2.2	2.1	2.0	1.9	80
Counterweight	55+20													Counterweight
Parts of line	1	1	1	1	1	1	1	1	1	1	1	1	1	Parts of line

Boom Combination in LJ



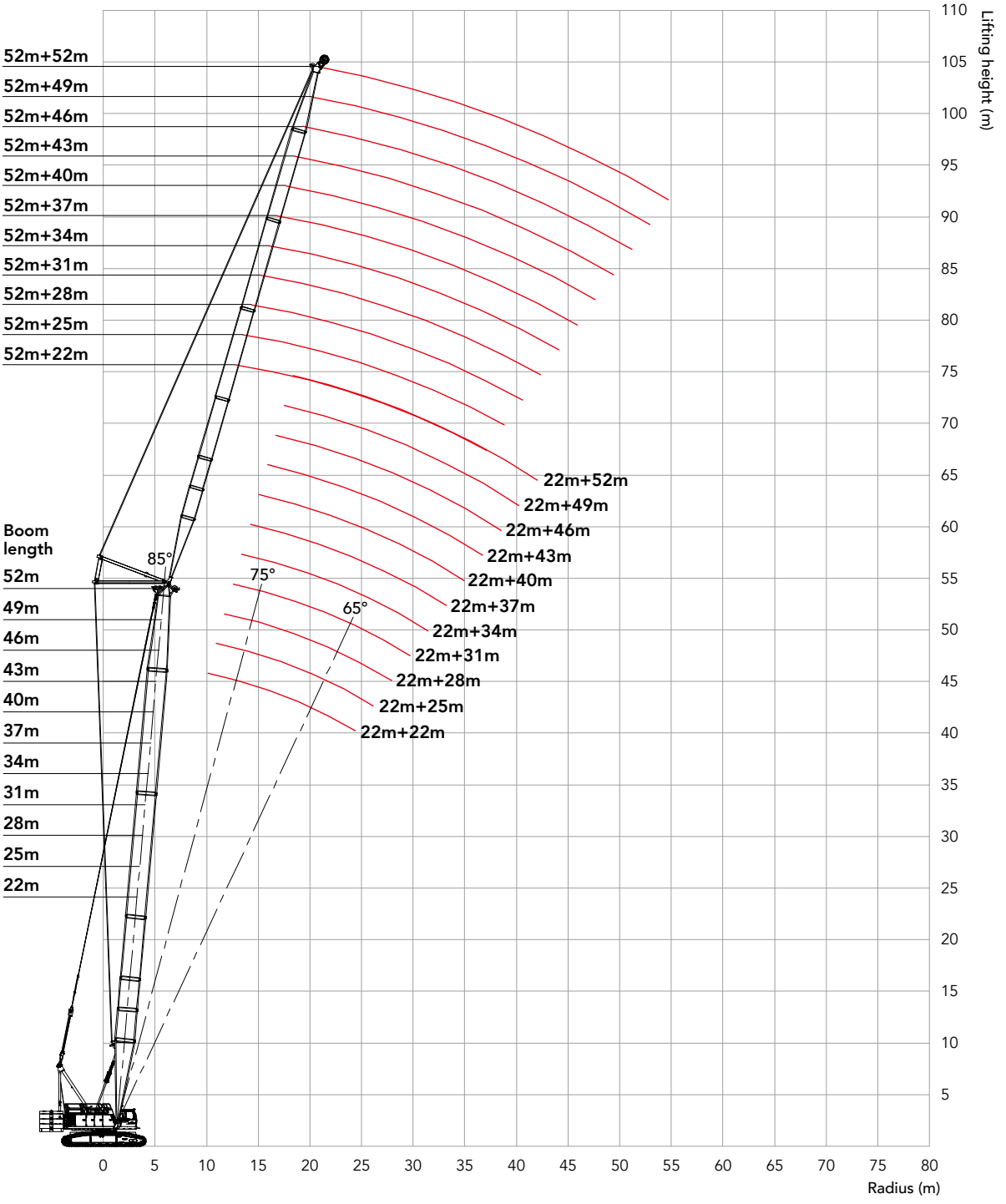
Note:The boom combinations with " ★ " are recommended for purchasing.

B	Jib base
T	Jib top
3m	3m jib insert
6m	6m jib insert
9m	9m jib insert



LJ Configuration
(22m~52m)+(22m~52m)

Working Range of LJ



Load Chart of LJ Configuration

Unit: t

Note:
1. The rated load in the load chart is calculated complying with GB/T 3811.
2. The working radius is the horizontal distance from the load center to the slewing center.
3. The actual lifting capacity must subtract the weight of hooks and other riggings from the rated capacity in the load chart.
4. The load value is calculated when the object is hung freely, without considering the influence of wind on the load, ground conditions and slope, operation speed and the influence of anyother negative factors over safe operation. Therefore, the operator bears the responsibility of making a judgement and decreasing the load and lowering speed.
5. All ratings are calculated when the machine is parking on firm and level ground with less than 1% gradient.
6. Parts of line as below are based on rated single line pull of 13.5t.

Load chart- LJ (Load on luffing jib hook, with runner hook)

Boom 22m, boom angle 85°

Boom length (m) / Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length (m) / Radius (m)
10	40.0											10
11	38.1	35.4										11
12	36.2	34.1	30.8									12
13	34.6	32.7	29.6	26.8								13
14	33.1	31.4	28.4	26.0	22.4							14
15	31.6	30.1	27.4	25.1	22.1	18.5	15.5					15
16	28.8	28.9	26.5	24.3	21.9	18.3	15.5	13.1				16
17	26.2	26.9	25.4	23.4	21.3	18.0	15.2	12.9	11.0			17
18	24.3	24.9	24.4	22.6	20.7	17.8	15.0	12.7	10.8	9.2		18
19	22.5	23.2	23.2	21.8	20.0	17.6	14.7	12.5	10.6	9.0	7.6	19
20	20.8	21.6	21.7	20.9	19.4	17.3	14.5	12.3	10.4	8.8	7.5	20
22	18.3	19.0	19.2	18.2	17.9	16.1	14.1	11.9	10.0	8.5	7.1	22
24	14.7	16.9	17.2	16.1	15.8	14.7	13.6	11.5	9.7	8.1	6.8	24
26		14.0	15.3	14.3	14.0	13.6	12.6	11.1	9.3	7.8	6.5	26
28			13.1	12.9	12.6	12.5	11.6	10.6	9.0	7.5	6.3	28
30			10.2	11.7	11.4	11.5	10.6	9.7	8.7	7.2	6.0	30
32				9.9	10.4	10.5	9.8	9.0	8.0	6.9	5.7	32
34					9.5	9.7	8.9	8.2	7.3	6.6	5.5	34
36					7.5	8.8	8.2	7.5	6.7	6.0	5.2	36
38						7.3	7.4	6.8	6.1	5.5	4.7	38
40							6.7	6.2	5.6	5.0	4.3	40
44								5.0	4.6	4.0	3.4	44
48									3.6	3.2	2.6	48
52											1.9	52
Counterweight	55+20											Counterweight
Parts of line	3	3	3	2	2	2	2	1	1	1	1	Parts of line

Load Chart of LJ Configuration

Unit: t

Load chart- LJ (Load on luffing jib hook, with runner hook)												
Boom 31m, boom angle 85°												
Boom length (m) / Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length (m) / Radius (m)
11	37.9											11
12	36.3	34.0										12
13	35.0	32.8	29.4									13
14	33.7	31.6	28.5	25.1								14
15	32.3	30.5	27.6	24.9	20.9	17.5						15
16	31.0	29.4	26.8	24.3	20.7	17.5	14.8					16
17	29.7	28.3	25.9	23.6	20.5	17.3	14.6	12.4				17
18	27.2	27.2	25.0	23.0	20.3	17.1	14.4	12.3	10.5			18
19	23.2	26.1	24.1	22.2	20.1	16.9	14.2	12.1	10.3	8.7		19
20	20.2	24.6	23.2	21.5	19.6	16.7	14.0	11.9	10.1	8.6	7.3	20
22	17.8	21.4	21.5	19.6	18.5	16.3	13.7	11.6	9.8	8.3	7.0	22
24	18.0	18.9	19.6	17.3	17.0	15.3	13.3	11.2	9.5	8.0	6.7	24
26		16.9	17.5	15.3	15.0	14.3	13.0	10.9	9.1	7.7	6.5	26
28		13.3	15.8	13.8	13.5	13.1	12.1	10.6	8.8	7.4	6.2	28
30			13.0	12.5	12.2	12.2	11.2	10.2	8.6	7.2	5.9	30
32				11.3	11.0	11.2	10.3	9.4	8.3	6.9	5.7	32
34				9.8	10.1	10.3	9.5	8.6	7.8	6.7	5.5	34
36					9.2	9.4	8.7	8.0	7.1	6.4	5.2	36
38						8.6	8.0	7.3	6.5	5.8	5.0	38
40						7.2	7.3	6.6	5.9	5.3	4.6	40
44								5.5	4.9	4.4	3.7	44
48									3.9	3.5	2.9	48
52											2.2	52
Counterweight	55+20											Counterweight
Parts of line	3	3	3	2	2	2	2	1	1	1	1	Parts of line

Load Chart of LJ Configuration

Unit: t

Load chart- LJ (Load on luffing jib hook, with runner hook)												
Boom 40m, boom angle 85°												
Boom length (m) / Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length (m) / Radius (m)
12	35.4											12
13	34.3	31.5										13
14	33.2	31.0	26.6									14
15	32.0	30.0	26.4	22.5	19.0							15
16	30.9	29.1	26.2	22.4	19.0	16.2						16
17	29.8	28.2	25.6	22.2	18.8	16.0	13.7					17
18	28.8	27.4	24.8	22.1	18.7	15.9	13.6	11.6				18
19	27.7	26.4	24.0	21.9	18.5	15.7	13.4	11.4	9.8	8.2		19
20	25.2	25.4	23.3	21.5	18.4	15.6	13.3	11.3	9.7	8.2	7.0	20
22	21.8	23.0	21.7	20.3	18.1	15.3	13.0	11.0	9.4	8.0	6.8	22
24	19.1	20.4	20.4	18.2	17.4	15.0	12.7	10.8	9.1	7.7	6.5	24
26	15.2	18.1	18.5	16.1	15.9	14.4	12.4	10.5	8.8	7.5	6.3	26
28		15.3	16.5	14.4	14.2	13.5	12.1	10.2	8.6	7.2	6.0	28
30			15.0	13.0	12.7	12.5	11.5	9.9	8.3	7.0	5.8	30
32			11.6	11.8	11.5	11.6	10.6	9.6	8.1	6.8	5.6	32
34				10.8	10.5	10.7	9.8	8.9	7.8	6.5	5.4	34
36					9.6	9.8	9.1	8.2	7.4	6.3	5.2	36
38					8.6	9.0	8.3	7.6	6.8	6.1	5.0	38
40						8.2	7.6	6.9	6.2	5.6	4.8	40
44								5.7	5.2	4.6	3.9	44
48									4.2	3.7	3.1	48
52										2.9	2.4	52
Counterweight	55+20											Counterweight
Parts of line	3	3	2	2	2	2	2	1	1	1	1	Parts of line

Load Chart of LJ Configuration

Unit: t

Load chart- LJ (Load on luffing jib hook, with runner hook)												
Boom 49m, boom angle 85°												
Boom length (m) / Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length (m) / Radius (m)
13	29.9											13
14	29.5	26.0	22.8									14
15	29.0	25.7	22.5	19.5								15
16	28.5	25.4	22.3	19.5	17.0							16
17	27.9	25.0	22.1	19.3	16.8	14.5						17
18	27.4	24.7	21.9	19.2	16.7	14.4	12.5					18
19	26.7	24.2	21.6	19.0	16.5	14.3	12.3	10.6	9.0			19
20	26.1	23.8	21.3	18.8	16.4	14.2	12.2	10.5	9.0	7.8		20
22	23.1	22.9	20.7	18.4	16.1	13.9	12.0	10.3	8.8	7.5	6.4	22
24	20.4	20.7	20.0	17.9	15.7	13.6	11.7	10.0	8.6	7.3	6.2	24
26	17.4	18.6	18.8	16.9	15.4	13.3	11.5	9.8	8.3	7.1	6.0	26
28		16.7	16.9	15.1	14.8	13.1	11.2	9.6	8.1	6.9	5.8	28
30		12.8	15.3	13.6	13.3	12.7	11.0	9.3	7.9	6.7	5.6	30
32			13.1	12.3	12.0	11.8	10.7	9.1	7.7	6.5	5.4	32
34				11.2	10.9	11.0	10.0	8.9	7.5	6.3	5.2	34
36				10.0	9.9	10.0	9.3	8.4	7.3	6.1	5.0	36
38					9.1	9.3	8.6	7.8	7.0	5.9	4.9	38
40						8.4	7.9	7.2	6.4	5.7	4.7	40
44							6.6	6.0	5.3	4.7	4.0	44
48									4.4	3.9	3.2	48
52										3.0	2.5	52
56											1.9	56
Counterweight	55+20											Counterweight
Parts of line	2	2	2	2	2	2	1	1	1	1	1	Parts of line

Load Chart of LJ Configuration

Unit: t

Load chart- LJ (Load on luffing jib hook, with runner hook)												
Boom 22m, boom angle 75°												
Boom length (m) / Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length (m) / Radius (m)
18	31.7											18
19	29.3	27.6										19
20	26.9	27.6										20
22	23.2	23.6	24.3	22.9								22
24	20.4	20.7	21.0	20.8	19.2	16.0						24
26	18.0	18.4	18.6	18.1	17.8	15.7	13.1					26
28	16.1	16.3	16.6	16.0	15.7	15.1	12.8	10.7	9.0			28
30		14.6	15.0	14.3	14.0	14.1	12.5	10.4	8.7	7.3		30
32			13.5	12.9	12.6	13.1	12.0	10.2	8.5	7.1	5.9	32
34			12.0	11.7	11.4	12.1	11.1	9.9	8.2	6.8	5.6	34
36				10.7	10.4	11.1	10.2	9.3	8.0	6.6	5.4	36
38					9.5	10.1	9.4	8.6	7.7	6.4	5.2	38
40					8.7	9.3	8.6	7.9	7.0	6.2	5.0	40
44							7.2	6.5	5.9	5.2	4.5	44
48								5.3	4.8	4.2	3.6	48
52									3.8	3.4	2.8	52
56											2.1	56
Counterweight	55+20											Counterweight
Parts of line	3	3	2	2	2	2	1	1	1	1	1	Parts of line

Load Chart of LJ Configuration

Unit: t

Load chart- LJ (Load on luffing jib hook, with runner hook)												
Boom 31m, boom angle 75°												
Boom length (m) / Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length (m) / Radius (m)
20	30.8											20
22	26.5	26.4										22
24	23.8	23.6	23.5	22.1								24
26	22.3	21.3	21.2	21.7	18.2							26
28	19.8	20.2	19.3	18.9	18.0	14.9	12.5					28
30	17.5	18.1	17.7	16.7	16.4	14.7	12.3	10.3				30
32		16.3	16.6	14.8	14.6	14.4	12.1	10.1	8.4	7.0		32
34		14.2	15.0	13.4	13.1	13.4	11.8	9.8	8.2	6.8	5.7	34
36			13.6	12.2	11.8	12.5	11.4	9.6	8.0	6.6	5.5	36
38				11.1	10.8	11.6	10.6	9.4	7.8	6.4	5.3	38
40					9.8	10.7	9.8	8.9	7.6	6.2	5.1	40
44						9.0	8.3	7.5	6.7	5.9	4.8	44
48							6.9	6.3	5.6	5.0	4.2	48
52									4.6	4.0	3.4	52
56										3.2	2.6	56
60											2.0	60
Counterweight	55+20											Counterweight
Parts of line	2	2	2	2	2	2	1	1	1	1	1	Parts of line

Load chart- LJ (Load on luffing jib hook, with runner hook)												
Boom 40m, boom angle 75°												
Boom length (m) / Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length (m) / Radius (m)
24	22.8	22.7										24
26	20.6	20.4	20.3									26
28	18.7	18.6	18.5	18.4	16.8							28
30	17.1	17.0	16.9	16.8	16.7	14.0	11.8					30
32	15.8	15.6	15.5	15.4	15.3	13.9	11.6	9.7				32
34		14.4	14.4	14.2	14.1	13.7	11.4	9.6	8.0	6.7		34
36		13.4	13.3	13.2	13.1	13.5	11.3	9.4	7.8	6.6	5.4	36
38			12.4	12.3	12.1	12.7	11.1	9.2	7.7	6.4	5.3	38
40				11.3	11.0	11.8	10.7	9.1	7.5	6.2	5.1	40
44					9.2	10.1	9.2	8.3	7.2	5.9	4.8	44
48						8.4	7.8	7.1	6.3	5.5	4.5	48
52								5.8	5.2	4.6	3.9	52
56									4.3	3.7	3.1	56
60											2.4	60
Counterweight	55+20											Counterweight
Parts of line	2	2	2	2	2	2	1	1	1	1	1	Parts of line

Load Chart of LJ Configuration

Unit: t

Load chart- LJ (Load on luffing jib hook, with runner hook)												
Boom 49m, boom angle 75°												
Boom length (m) / Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length (m) / Radius (m)
26	19.6	19.4										26
28	17.8	17.6	17.5									28
30	16.3	16.1	16.0	15.9	15.1							30
32	15.0	14.8	14.7	14.6	15.0	12.7						32
34	13.8	13.7	13.6	13.5	13.3	12.7	10.7	9.1				34
36		12.7	12.6	12.5	12.3	12.6	10.6	8.9	7.5			36
38		11.8	11.7	11.6	11.5	11.3	10.5	8.8	7.4	6.2	5.1	38
40			10.9	10.8	10.7	10.6	10.4	8.7	7.3	6.0	5.0	40
44				9.5	9.3	9.2	9.1	8.4	7.0	5.8	4.7	44
48						8.1	8.6	7.7	6.7	5.5	4.5	48
52							7.3	6.6	5.8	5.2	4.2	52
56								5.4	4.9	4.2	3.6	56
60										3.4	2.8	60
64											2.1	64
Counterweight	55+20											Counterweight
Parts of line	2	2	2	2	2	1	1	1	1	1	1	Parts of line

Load Chart of LJ Configuration

Unit: t

Load chart- LJ (Load on luffing jib hook, with runner hook)												
Boom 22m, boom angle 65°												
Boom length (m) / Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length (m) / Radius (m)
26	20.3											26
28	17.8	18.5	18.9									28
30	15.8	16.3	16.6	17.2								30
32	13.9	14.4	14.8	15.2	15.4							32
34		12.8	13.2	13.5	13.8	12.8						34
36			11.8	12.2	12.3	12.5	10.3					36
38			10.5	10.9	11.1	11.4	10.2	8.2				38
40				9.8	10.0	10.3	9.7	8.1	6.5			40
44					8.2	8.4	8.1	7.2	6.2	4.9	3.8	44
48							6.7	6.0	5.3	4.6	3.5	48
52								4.8	4.2	3.6	3.0	52
56										2.8	2.2	56
60											1.5	60
Counterweight	55+20											Counterweight
Parts of line	2	2	2	2	2	2	1	1	1	1	1	Parts of line

Load chart- LJ (Load on luffing jib hook, with runner hook)												
Boom 31m, boom angle 65°												
Boom length (m) / Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length (m) / Radius (m)
30	16.5	16.3										30
32	15.2	15.0	14.9									32
34	14.0	13.9	13.8	13.7								34
36	13.0	12.9	12.8	12.7	12.5							36
38		12.0	11.9	11.8	11.6	11.5						38
40			11.1	11.0	10.8	10.7	9.7					40
44				9.6	9.5	9.4	9.3	7.7	6.2			44
48						8.3	8.1	7.4	5.9	4.7	3.6	48
52							6.9	6.2	5.4	4.5	3.4	52
56								5.0	4.4	3.7	3.0	56
60										2.9	2.3	60
64											1.6	64
Counterweight	55+20											Counterweight
Parts of line	2	2	2	2	1	1	1	1	1	1	1	Parts of line

Load Chart of LJ Configuration

Unit: t

Load chart- LJ (Load on luffing jib hook, with runner hook)												
Boom 40m, boom angle 65°												
Boom length (m) / Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length (m) / Radius (m)
32	14.0											32
34	12.9	12.7										34
36	12.0	11.8	11.7									36
38	11.1	11.0	10.9	10.7								38
40	10.4	10.2	10.1	10.0	9.8							40
44			8.9	8.7	8.6	8.5	8.3					44
48				7.7	7.6	7.5	7.3	7.2	5.8	4.6		48
52						6.6	6.5	6.3	5.6	4.4	3.4	52
56							5.7	5.6	5.3	4.2	3.2	56
60								5.0	4.4	3.7	3.0	60
64										2.9	2.2	64
68											1.6	68
Counterweight	55+20											Counterweight
Parts of line	2	1	1	1	1	1	1	1	1	1	1	Parts of line

Load chart- LJ (Load on luffing jib hook, with runner hook)												
Boom 49m, boom angle 65°												
Boom length (m) / Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length (m) / Radius (m)
36	10.7											36
38	10.0	9.8										38
40	9.3	9.1	9.0									40
44		7.9	7.8	7.7	7.5							44
48			6.9	6.8	6.6	6.5	6.3					48
52				6.0	5.8	5.7	5.6	5.4	5.3	4.3		52
56						5.0	4.9	4.8	4.6	4.1	3.2	56
60							4.3	4.2	4.1	3.9	3.0	60
64								3.7	3.6	3.4	2.8	64
68										2.9	2.2	68
72											1.6	72
Counterweight	55+20											Counterweight
Parts of line	1	1	1	1	1	1	1	1	1	1	1	Parts of line

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