SCE1350A

Crawler Crane
135 Tons Lifting Capacity

Quality Changes the World

Max. lifting moment: 95×7=668t·m
Max. boom length: 76m
Max. fixed jib combination: 61m+31m
Max. luffing jib combination: 49m+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
SCE1350A

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SANY CRAWLER CRANE
135 TONS LIFTING CAPACITY

QUALITY CHANGES THE WORLD

Main Characteristics

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Product Specification

Engine

- Model: Cummins QSL9-C325 Diesel engine.
- Type: 4-stroke, water-cooled, vertical in-line 6 cylinders, direct injection, turbo-charger, intercooler, complied with European Off-highway Stage V Emission Standard and US EPA Tier F4(f) Emission Standard.
- Displacement: 8.9L.
- Rated power: 242kW/1800rpm.
- Operation power: 242kW/1800rpm.
- Max. torque: 1527N·m/1400rpm.
- Starter: 24V-6.0kW.
- 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: Replaceable paper element.
- Batteries: Two 12V×180Ah capacity batteries, connected in series.
- Fuel tank capacity: 400L.

Hydraulic system

- Main pumps: Three open variable displacement piston pumps are adopted to provide oil supply for main actuators of main machine.
- Gear pump: Two types of gear pump for 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-shaped hydraulic handles and a 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 accuracy filter, with bypass valve and indicator, which can remind the user to replace the filter element in time.
- Max. pressure of system: 32MPa.
- Main/aux. hoist and travel system: 32MPa.
- Swing system: 32MPa.
- Control system: 5MPa.
- Hydraulic tank capacity: 460L.

Electrical control system

- Self-developed SYIC-II integrated control system is adopted with higher integration, precise operation and reliable quality.
- Control system consists of power system, engine system, main control system, LMI system, auxiliary system and safety monitoring system. CAN BUS is used for data communication between controller, monitor and the engine.
- Monitor: The working parameters and status are shown on the monitor, such as the engine speed, fuel volume, engine oil pressure, servo pressure, engine working hours, lifting conditions and boom angle.

Main and aux. 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.

- **Main hoist/aux. hoist with free fall function:**

Main hoisting mechanism	Drum diameter	576mm
	Rope speed (1st layer)	0~121m/min
	Wire rope diameter	26mm
	Main hoist wire rope length	300m
	Rated single line pull	12t
Aux. hoisting mechanism	Drum diameter	576mm
	Rope speed (1st layer)	0~121m/min
	Wire rope diameter	26mm
	Aux. hoist wire rope length	260m
	Rated single line pull	12t

- **Main hoist/aux. hoist without free fall function:**

Main hoisting mechanism	Drum diameter	630mm
	Rope speed (1st layer)	0~121m/min
	Wire rope diameter	26mm
	Main hoist wire rope length	300m
	Rated single line pull	12t
Aux. hoisting mechanism	Drum diameter	630mm
	Rope speed (1st layer)	0~121m/min
	Wire rope diameter	26mm
	Aux. hoist wire rope length	260m
	Rated single line pull	12t

Product Specification

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	190m

Swing mechanism

- Swing brake adopts wet, spring loaded, normally-closed brake, and braking through spring force.
- Swing system has three work modes to accommodate different needs. It is featured in small backlash, steady control, and excellent inching function. It also has free slipping function to avoid sudden braking.
- Swing drive: External engaged swing drive with 360° swing range, and the max. swing speed is 2.2r/min. The max. drive pressure can reach 32MPa.
- Swing 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, vibration handles are offered as optional 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 right crawler, 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 54t, 5.25t counterweight blocks ×8, 12t counterweight tray×1.
- Carbody counterweight: A total of 2, total weight of 20t (10t×2).
- Rear counterweight self-assembly device is offered as optional.

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 64 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×1, 6m×2, 9m×5.
- 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 length: 13m~31m.
- Longest boom + jib: 61m+31m.

Luffing jib

- Lattice structure. 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.
- Luffing jib length: 22m~52m.
- Longest boom + jib: 49m+52m.

Extension jib

- The welding structure is connected with main boom through hinge pin, and used for aux. hook operation.
- Length of extension jib: 2.7m.

Hook block

- 135t hook, 5 pulleys.
- 80t hook, 3 pulleys.
- 35t hook, 1 pulley.
- 13.5t ball hook.

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 (LMI)
- It is an independent computerized safety control system. LMI 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, 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 level 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.

Swing lock device
- Swing 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

Monitoring system
- Remote Monitoring system is a standardized offering to provide functions like GPS locating, GPRS data transfer, machine status inquiry and statistics, operating data monitoring and analysis,remote diagnosis of failures.

Zoom camera
- It can monitor load lifting on the main hook and the surroundings at real time. The camera can zoom in/out as needed.
- Components: Wireless remote transmitter, wireless remote receiver, zoom camera.

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 swinging, it sends out sirens.

Swing indicator light
- The swing indicator light flashes during traveling or swing.

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 on the handrail at the front of right sheet metal, so as to monitor the rear part of 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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SCE1350A
SANY CRAWLER CRANE
135 TONS LIFTING CAPACITY

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Technical Parameters

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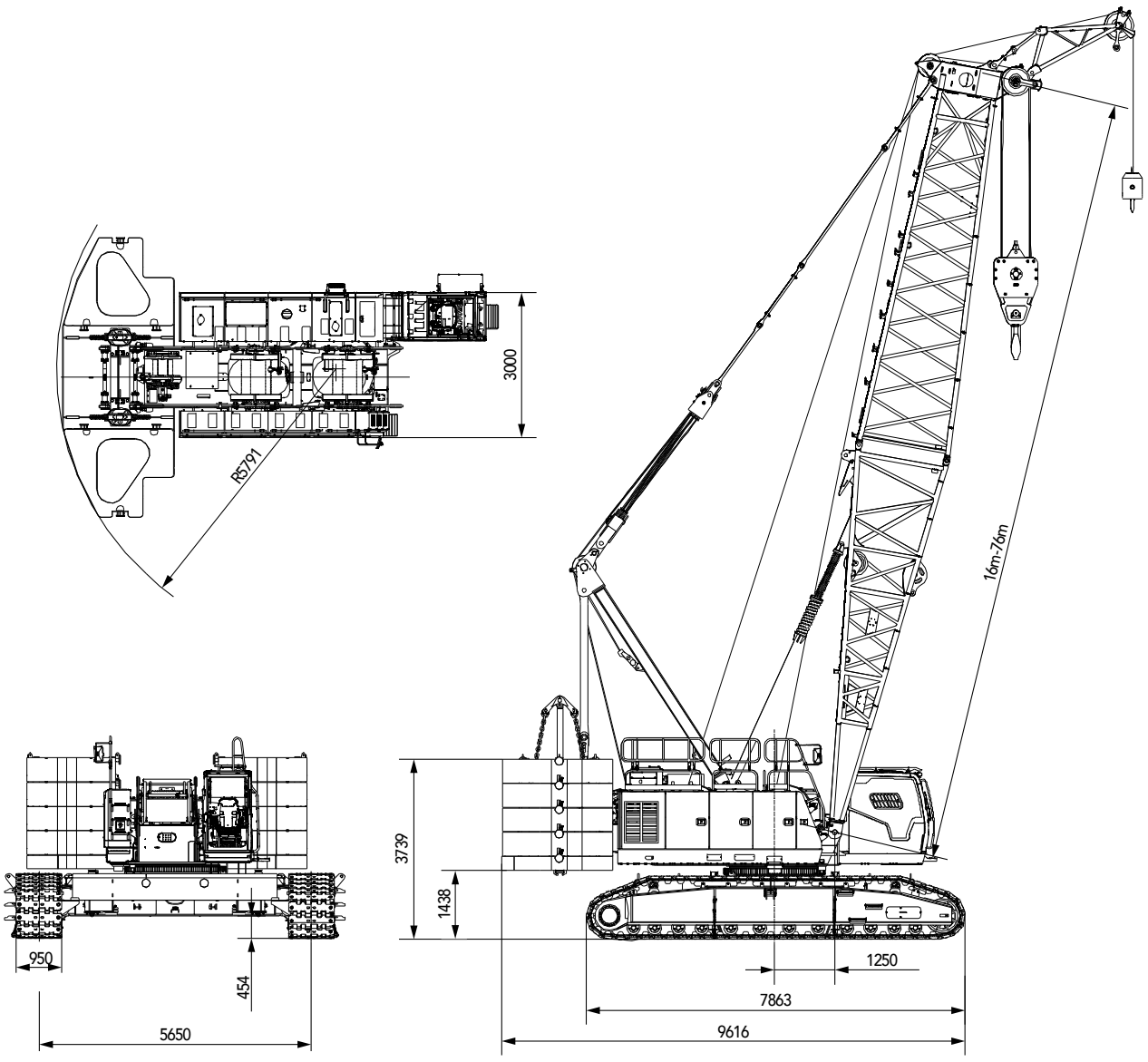
Major Performance Specifications

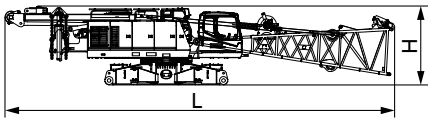
Major Performance & Specifications of SCE1350A			
Performance Indicators		Unit	Parameter
Boom configuration	Maximum rated lifting capacity	t	135
	Maximum rated lifting moment	t·m	668 (=95.4×7)
	Boom length	m	16~76
Fixed jib configuration	Maximum rated lifting capacity	t	27
	Jib length	m	13~31
	Longest main boom + jib	m	61+31
Luffing jib configuration	Maximum rated lifting capacity	t	40
	Jib length	m	22~52
	Longest main boom + jib	m	49+52
Operation speed	Rope speed of main/aux. hoist (1st layer)	m/min	0~121
	Boom hoist winch rope speed (1st layer)	m/min	0~45
	Slewing speed	rpm	0~2.2
	Travelling speed	km/h	0~1.3
Engine	Output power	kW	242
	Rated speed	rpm	1800
Transport parameter	Weight of machine with basic boom (including basic boom, extension jib, jib luffing winch, 135t hook and 13.5t hook)	t	149.34
	Maximum transport weight of basic machine (including base)	t	40
	Maximum transport dimension of basic machine (L x W x H, mm)	mm	16050x3000x3250
Other parameters	Average ground bearing pressure	MPa	0.112
	Grade ability	%	30

mm

Outline Dimension

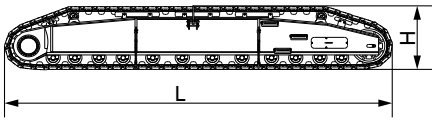


Transportation Dimensions

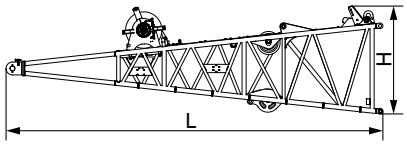


Basic machine (with boom base and jib luffing winch)	×1
Length (L)	16.05m
Width (W)	3.00m
Height (H)	3.25m
Weight	40.0t

Note: the weight of jib luffing winch and wire rope is 1.88t

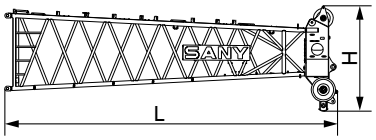


Crawler Assembly	×2
Length (L)	7.86m
Width (W)	1.32m
Height (H)	1.32m
Weight	15.0t

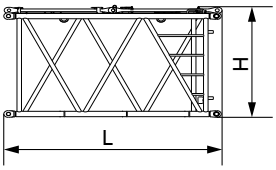


Boom base (with jib luffing winch)	×1
Length (L)	8.21m
Width (W)	2.08m
Height (H)	2.24m
Weight	5.78t

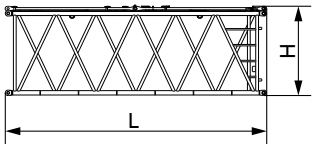
Note: the weight of jib luffing winch and wire rope is 1.88t



Boom top	×1
Length (L)	8.42m
Width (W)	1.96m
Height (H)	2.66m
Weight	2.55t

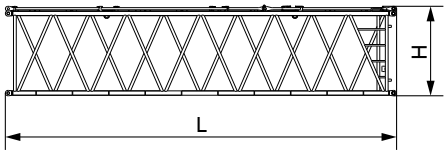


3m insert of main boom	×1
Length (L)	3.15m
Width (W)	2.06m
Height (H)	2.09m
Weight	0.62t

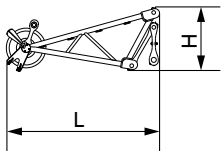


6m insert of main boom	×2
Length (L)	6.14m
Width (W)	2.06m
Height (H)	2.08m
Weight	1.04t

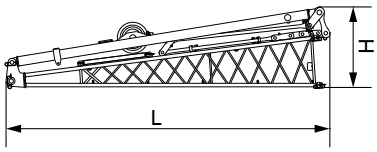
Transportation Dimensions



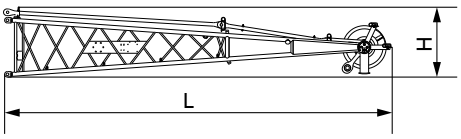
9m insert of main boom	×5
Length (L)	9.14m
Width (W)	2.06m
Height (H)	2.08m
Weight	1.49t



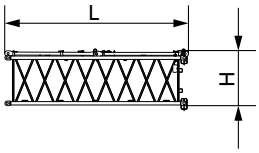
Extension jib	×1
Length (L)	2.36m
Width (W)	1.04m
Height (H)	0.98m
Weight	0.3t



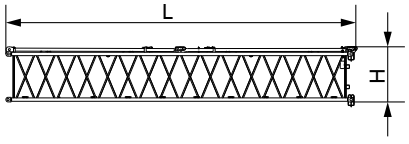
Fixed jib base(including strut)	×1
Length (L)	5.25m
Width (W)	1.19m
Height (H)	1.30m
Weight	0.84t



Fixed jib top	×1
Length (L)	5.43m
Width (W)	1.01m
Height (H)	0.99m
Weight	0.53t

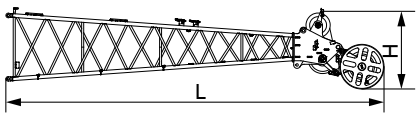


3m insert of fixed jib	×1
Length (L)	3.12m
Width (W)	1.02m
Height (H)	0.92m
Weight	0.19t

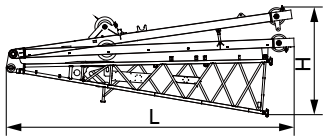


6m insert of fixed jib	×3
Length (L)	6.12m
Width (W)	1.02m
Height (H)	0.92m
Weight	0.34t

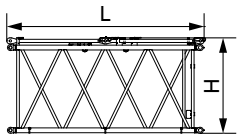
Transportation Dimensions



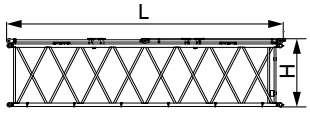
Luffing jib top	×1
Length (L)	7.81m
Width (W)	1.38m
Height (H)	1.45m
Weight	1.17t



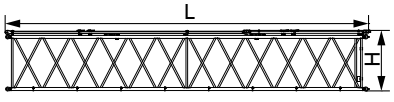
Luffing jib base (with struts)	×1
Length (L)	7.26m
Width (W)	1.87m
Height (H)	2.70m
Weight	3.13t



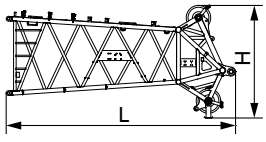
3m luffing jib insert	×2
Length (L)	3.10m
Width (W)	1.40m
Height (H)	1.50m
Weight	0.3t



6m luffing jib insert	×1
Length (L)	6.10m
Width (W)	1.40m
Height (H)	1.50m
Weight	0.49t

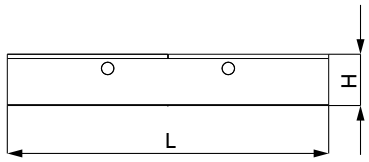


9m luffing jib insert	×3
Length (L)	9.10m
Width (W)	1.40m
Height (H)	1.60m
Weight	0.7t

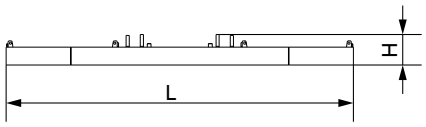


Boom top (special for LJ)	×1
Length (L)	5.70m
Width (W)	1.95m
Height (H)	2.80m
Weight	1.9t

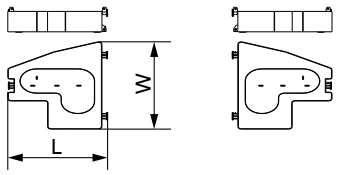
Transportation Dimensions



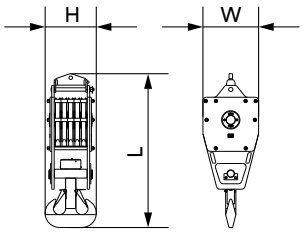
Carbody counterweight	×2
Length (L)	4.25m
Width (W)	1.50m
Height (H)	0.55m
Weight	10.0t



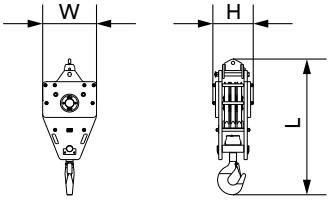
Rear counterweight tray	×1
Length (L)	5.80m
Width (W)	2.31m
Height (H)	0.50m
Weight	12.0t



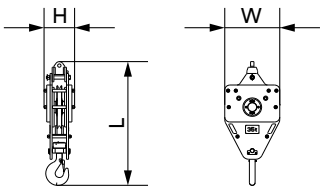
Rear counterweight	(1+1)×4
Length (L)	1.93m
Width (W)	2.28m
Height (H)	0.60m
Weight	5.25t



135t lifting hook	×1
Length (L)	2.28m
Width (W)	0.91m
Height (H)	0.69m
Weight	2.04t

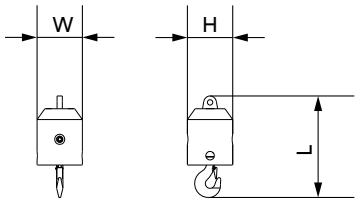


80t lifting hook	×1
Length (L)	2.21m
Width (W)	0.91m
Height (H)	0.62m
Weight	1.94t



35t lifting hook	×1
Length (L)	1.88m
Width (W)	0.91m
Height (H)	0.46m
Weight	1.2t

Transportation Dimensions



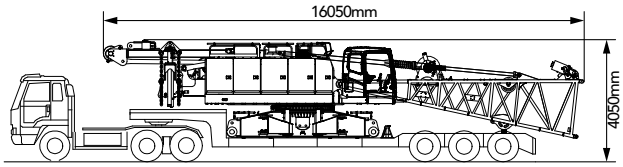
13.5t ball hook	×1
Length (L)	0.95m
Width (W)	0.43m
Height (H)	0.43m
Weight	0.45t

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.

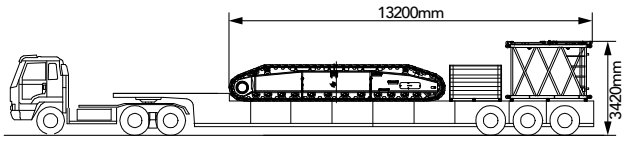
Transport Plan

Transport

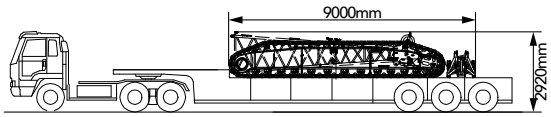
Transport cart 1	
Components included	▪ Basic machine (4 winches, carbody, outrigger, A-frame, all wire ropes), boom base
Transport weight	▪ 40t



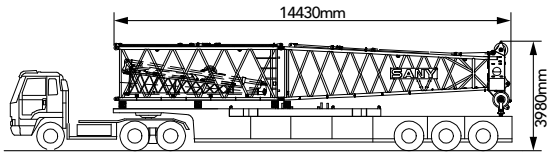
Transport cart 2	
Components included	▪ Crawler frame: 15t ▪ 3m boom insert: 0.62t ▪ Packing case: 1t
Transport weight	▪ 16.62t



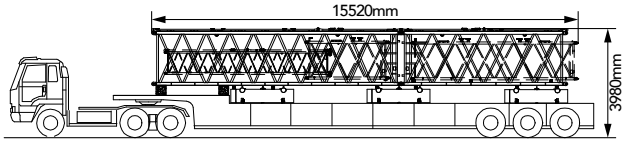
Transport cart 3	
Components included	▪ Crawler frame: 15t ▪ Luffing jib top: 1.17t ▪ Extension jib: 0.3t
Transport weight	▪ 16.47t



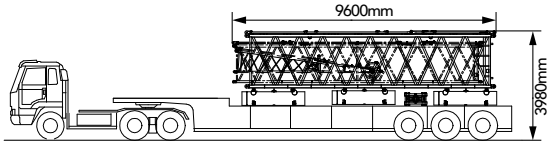
Transport cart 4	
Components included	▪ Counterweight tray: 12t ▪ Boom top: 2.55t ▪ 6m boom insert & Fixed jib base: 1.88t
Transport weight	▪ 16.43t



Transport cart 5	
Components included	▪ Counterweight×3: 15.75t ▪ 9m boom insert & 3m luffing jib insert & 6m fixed jib insert: 2.13t ▪ 6m boom insert& 6m luffing jib insert: 1.53t
Transport weight	▪ 19.41t

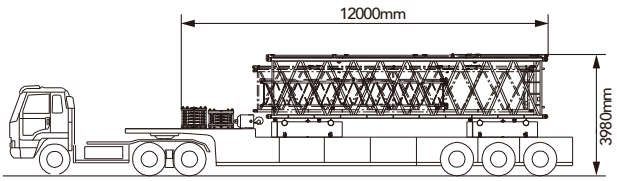


Transport cart 6	
Components included	▪ Counterweight×3: 15.75t ▪ 9m boom insert:+9m luffing jib insert+fixed jib top: 2.72t ▪ 35t lifting hook: 1.2t
Transport weight	▪ 19.67t

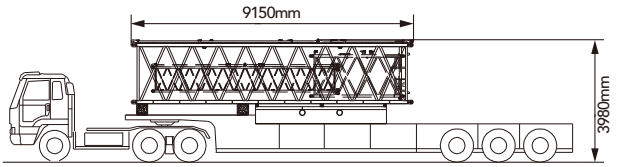


Transport Plan

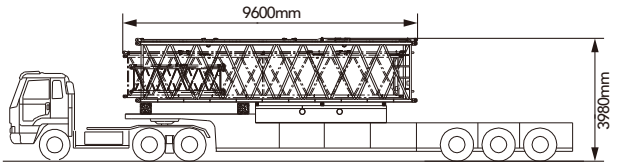
Transport cart 7	
Components included	▪ Counterweight×2: 10.5t ▪ 9m boom insert:+9m luffing jib insert+ 6m fixed jib insert: 2.53t ▪ 135t lifting hook: 2.04t ▪ 80t lifting hook: 1.94t ▪ 13.5t ball hook: 0.45t
Transport weight	▪ 17.46t



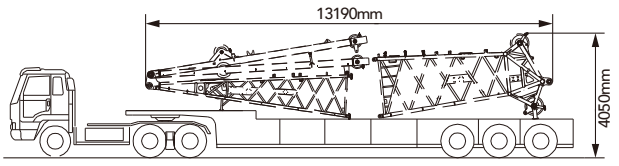
Transport cart 8	
Components included	▪ Carbody counterweight: 10t ▪ 9m boom insert:+3m luffing jib insert+6m fixed jib insert: 2.13t
Transport weight	▪ 12.13t



Transport cart 9	
Components included	▪ Carbody counterweight: 10t ▪ 9m boom insert:+9m luffing jib insert+ 3m fixed jib insert: 2.39t
Transport weight	▪ 12.39t



Transport cart 10	
Components included	▪ Luffing jib base with struts : 3.13t ▪ Boom top(special for LJ): 1.9t
Transport weight	▪ 5.03t



C

SCE1350A
SANY CRAWLER CRANE
135 TONS LIFTING CAPACITY

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Configurations

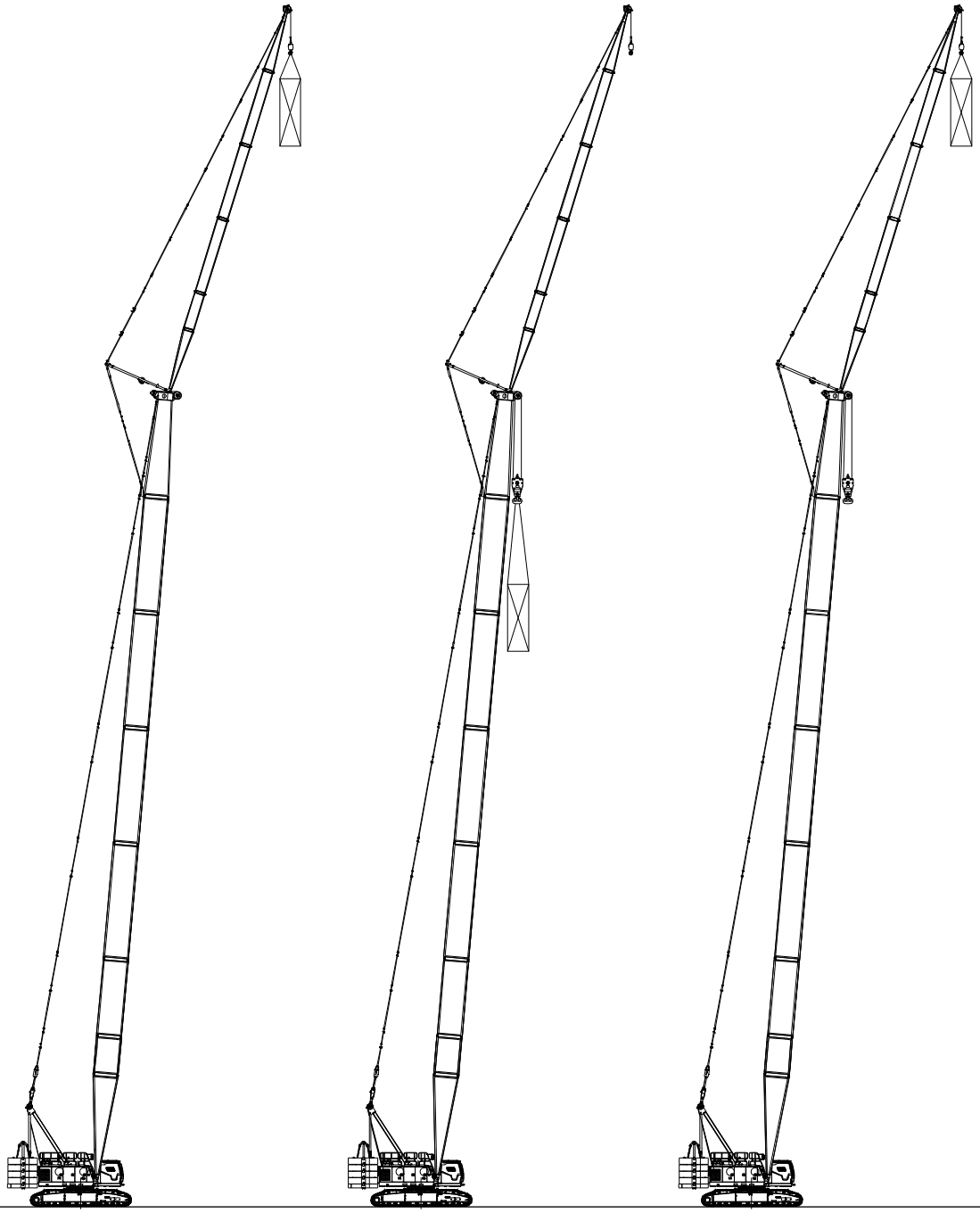
Boom Combination

H Configuration | HCm Configuration (double hooks, load on main hook) | HCa Configuration (double hooks, load on aux. hook) | Hh Configuration

Configuration	Boom Conbination	Boom Length
H	Boom	16m~76m
HCm	Boom + Extension jib (double hooks, load on main hook)	
HCa	Boom + Extension jib (double hooks, load on aux. hook)	
Hh	Boom (with boom top special for LJ)	22m~67m

Note: The schematics above are reference for loading only.

Boom Combination



FJ Configuration (single hook)

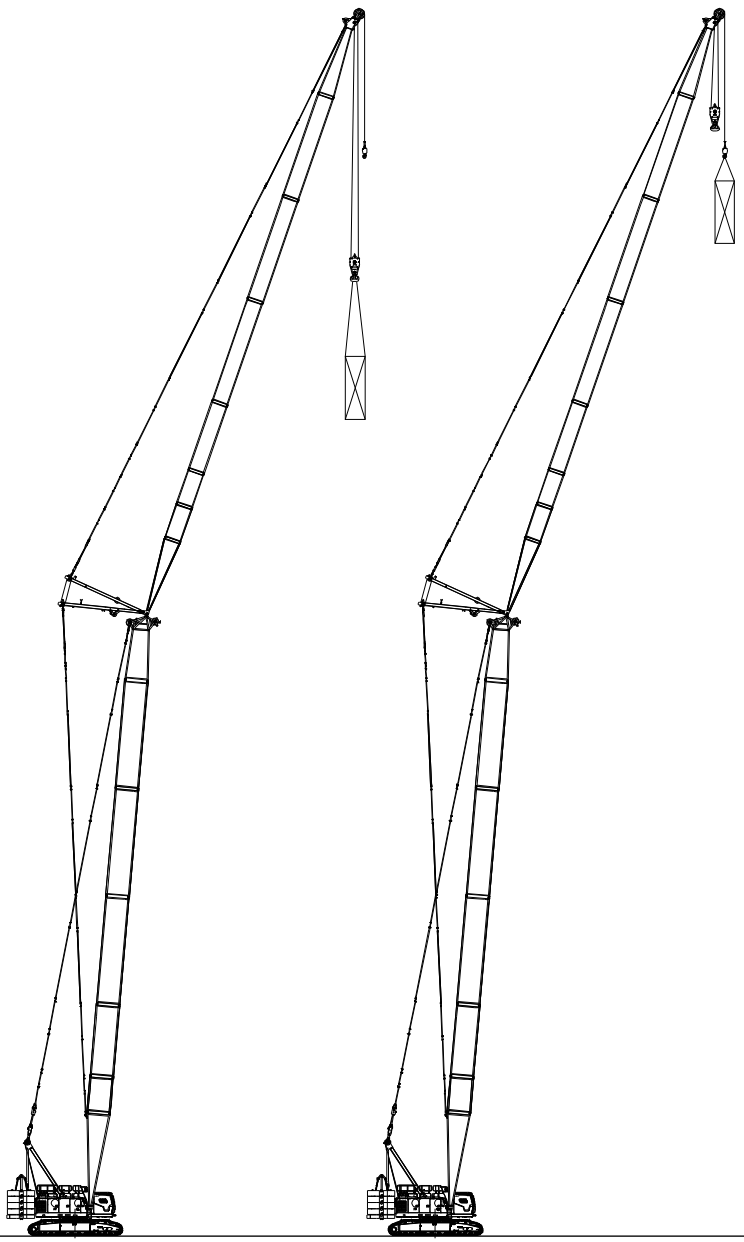
FJm Configuration (double hooks, load on main hook)

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

Configuration	Boom Conbination	Boom Length
FJ	Boom + Fixed Jib (single hook)	(22m~61m)+(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.

Boom Combination



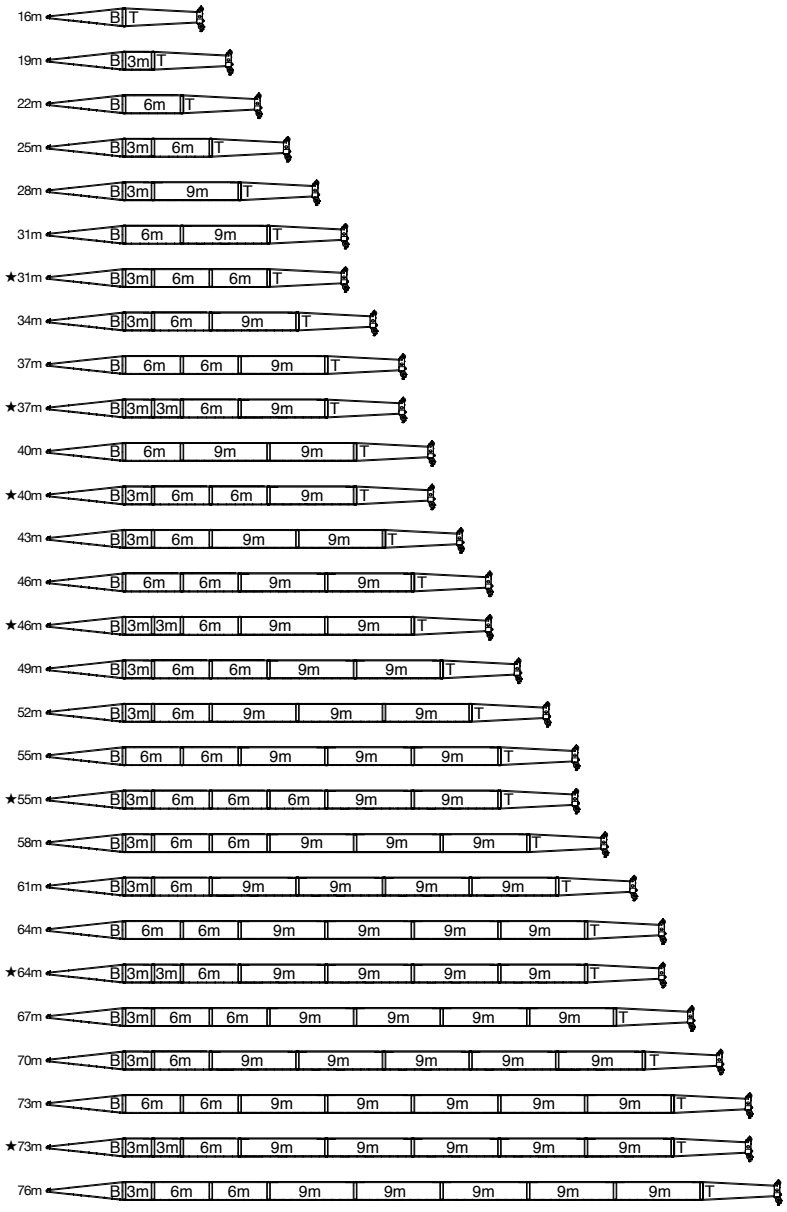
LJ Configuration (double hooks, load on luffing jib hook)

LJa Configuration (double hooks, load on extension jib hook)

Configuration	Boom Conbination	Boom Length
LJ	Boom + Luffing Jib (double hooks, load on luffing jib hook)	49m+52m
LJa	Boom + Luffing Jib (double hooks, load on extension jib hook)	

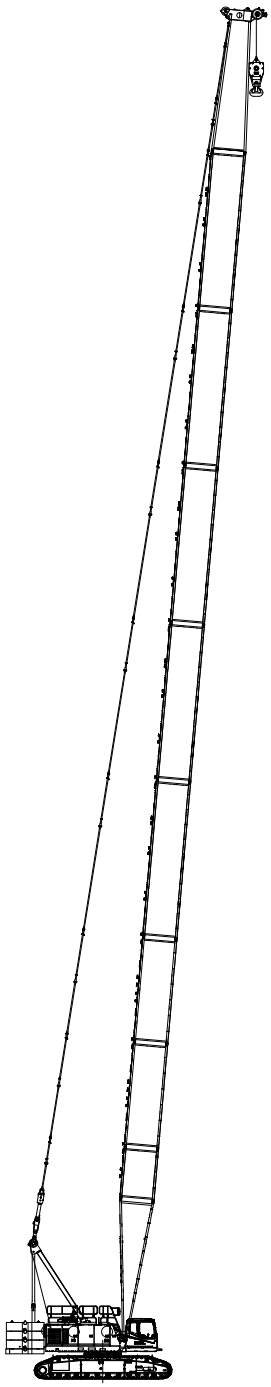
Note: The schematics above are reference for loading only.

H Configuration



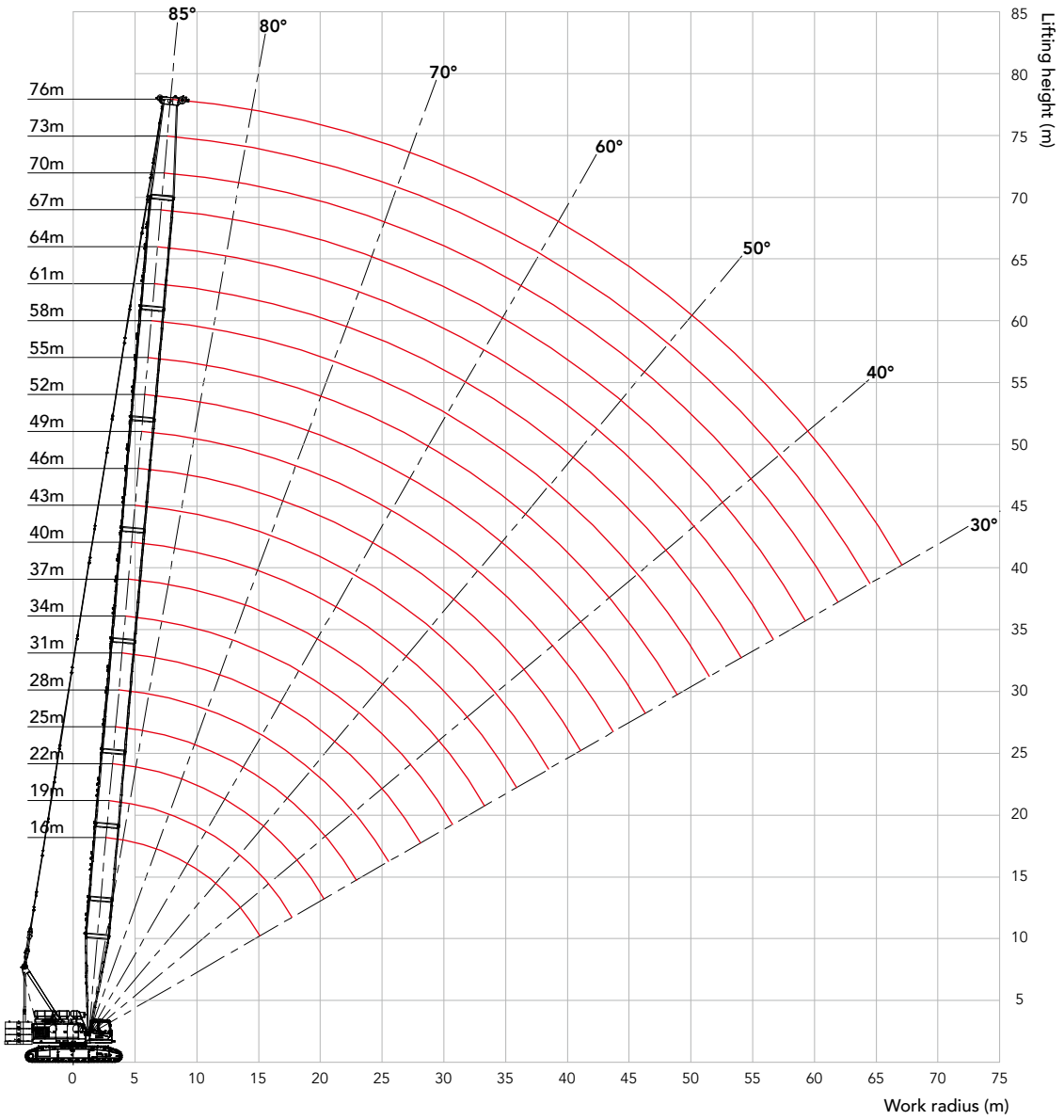
Note: The boom combinations with " ★ " are recommended for purchasing.

B	Boom base
3m	Insert boom
6m	Insert boom
9m	Insert boom
T	Boom top



H Configuration: (16m~76m)

H Working Radius



Unit:t

H Load Chart

Note:
1. The rated load in the load chart is calculated complying with EN 13000.
2. The working radius is the horizontal distance from the load center to the swing 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 any other 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. See the Operation Manual for the complete load charts of HCm and HCa configurations.
7. The 12 parts of line must use hook larger than 135t.

Load chart -H (Load on main hook, Boom 16~76m, Without extension jib) 1/6

Load on main hook, Boom 16m~76m, Without extension jib

Boom length(m)	16					19					22					Boom length(m)
Counterweight (t) / Radius(m)	54+20	43.5+0	33+0	12+0	0+0	54+20	43.5+0	33+0	12+0	0+0	54+20	43.5+0	33+0	12+0	0+0	Counterweight (t) / Radius(m)
4.6	135.0															4.6
5	131.0					130.0										5
6	110.0	105.0	85.0	60.0	40.0	109.5					108.8					6
7	95.4	86.6	69.5	51.3	34.9	92.6	86.0	69.0	50.9	34.7	92.0	83.8	67.7	50.1	33.9	7
8	81.0	69.7	55.9	41.1	27.8	80.3	69.2	55.5	40.8	27.6	79.6	68.8	55.1	40.6	27.5	8
9	71.4	58.2	46.6	34.2	23.0	70.8	57.8	46.3	33.9	22.8	70.2	57.5	46.0	33.7	22.7	9
10	63.8	49.9	39.8	29.2	19.5	63.3	49.6	39.6	28.9	19.4	62.8	49.3	39.4	28.8	19.2	10
12	52.0	38.6	30.8	22.4	14.8	51.6	38.4	30.5	22.2	14.7	51.3	38.2	30.3	22.0	14.5	12
14	42.5	31.4	24.9	18.0	11.8	42.2	31.1	24.7	17.8	11.6	42.0	31.0	24.5	17.7	11.5	14
16						35.5	26.1	20.6	14.7	9.5	35.3	25.9	20.4	14.6	9.4	16
18						30.5	22.3	17.6	12.5	7.9	30.3	22.2	17.4	12.3	7.8	18
20											26.5	19.3	15.1	10.6	6.6	20
Parts of line	12	9	8	5	4	11	8	6	5	3	10	7	6	5	3	Parts of line

Load chart -H (Load on main hook, Boom 16~76m, Without extension jib) 2/6

Load on main hook, Boom 16m~76m, Without extension jib

Boom length(m)	25					28					31					Boom length(m)
Counterweight (t) / Radius(m)	54+20	43.5+0	33+0	12+0	0+0	54+20	43.5+0	33+0	12+0	0+0	54+20	43.5+0	33+0	12+0	0+0	Counterweight (t) / Radius(m)
6	108.0															6
7	91.4	80.8	65.2	48.2	32.6	89.7					86.7					7
8	79.1	68.4	54.8	40.3	27.2	78.1	66.3	53.4	39.3	26.3	75.5	64.3	51.7	38.0	25.4	8
9	69.6	57.2	45.7	33.5	22.5	69.2	56.8	45.4	33.2	22.3	67.0	56.0	44.9	32.9	21.8	9
10	62.2	49.0	39.1	28.5	19.1	61.7	48.7	38.8	28.3	18.9	60.2	48.4	38.6	28.1	18.7	10
12	50.9	37.9	30.1	21.8	14.4	50.6	37.7	29.9	21.7	14.2	50.2	37.5	29.7	21.5	14.1	12
14	41.7	30.7	24.3	17.5	11.3	41.5	30.5	24.1	17.3	11.2	41.3	30.3	24.0	17.2	11.1	14
16	35.0	25.7	20.2	14.4	9.2	34.8	25.5	20.1	14.3	9.1	34.6	25.3	19.9	14.1	8.9	16
18	30.1	22.0	17.2	12.2	7.6	29.9	21.8	17.1	12.0	7.5	29.7	21.6	16.9	11.9	7.4	18
20	26.3	19.1	14.9	10.4	6.4	26.1	19.0	14.8	10.3	6.3	25.9	18.8	14.6	10.1	6.1	20
22	23.3	16.8	13.1	9.0	5.4	23.1	16.7	12.9	8.9	5.3	22.9	16.5	12.8	8.8	5.2	22
24						20.7	14.8	11.4	7.8	4.5	20.5	14.7	11.3	7.6	4.4	24
26							13.3	10.2			18.5	13.1	10.0	6.7	3.7	26
28											16.7	11.9	9.0		3.2	28
Parts of line	9	7	6	5	3	8	6	5	4	3	8	6	5	4	3	Parts of line

Unit:t

H Load Chart

Load chart -H (Load on main hook, Boom 16~76m, Without extension jib) 3/6																
Load on main hook, Boom 16m~76m, Without extension jib																
Boom length(m)	34					37					40					Boom length(m)
Counterweight (t) / Radius(m)	54+20	43.5+0	33+0	12+0	0+0	54+20	43.5+0	33+0	12+0	0+0	54+20	43.5+0	33+0	12+0	0+0	Counterweight (t) / Radius(m)
7	84.0															7
8	73.2	62.4	50.1	36.8	24.5	71.3					63.4					8
9	64.9	54.4	43.6	31.9	21.0	63.2	53.0	42.4	30.9	20.3	61.3	51.6	41.3	30.0	19.6	9
10	58.4	48.1	38.3	27.9	18.3	56.9	47.0	37.5	27.2	17.7	55.2	45.8	36.5	26.4	17.1	10
12	48.7	37.2	29.5	21.3	13.9	47.5	37.0	29.3	21.1	13.8	46.0	36.7	29.1	20.9	13.4	12
14	41.0	30.1	23.7	17.0	10.9	40.6	29.9	23.6	16.8	10.7	39.4	29.7	23.4	16.6	10.6	14
16	34.4	25.1	19.7	13.9	8.8	34.4	24.9	19.5	13.8	8.6	34.0	24.7	19.4	13.6	8.5	16
18	29.5	21.4	16.7	11.7	7.2	29.5	21.3	16.5	11.5	7.0	29.1	21.1	16.4	11.4	6.9	18
20	25.7	18.6	14.4	10.0	6.0	25.7	18.4	14.2	9.8	5.8	25.3	18.2	14.1	9.6	5.7	20
22	22.7	16.3	12.6	8.6	5.0	22.7	16.1	12.4	8.4	4.8	22.4	16.0	12.2	8.3	4.7	22
24	20.3	14.5	11.1	7.4	4.2	20.3	14.3	10.9	7.3	4.0	19.9	14.1	10.8	7.1	3.9	24
26	18.2	12.9	9.8	6.5	3.5	18.2	12.8	9.7	6.4	3.4	17.9	12.6	9.5	6.2	3.2	26
28	16.5	11.7	8.8	5.7	3.0	16.5	11.5	8.6	5.6	2.8	16.2	11.3	8.5	5.4	2.6	28
30	15.1	10.5	7.9	5.0	2.5	15.1	10.4	7.7	4.9	2.4	14.7	10.2	7.6	4.7	2.1	30
32						13.8	9.4	7.0	4.3		13.5	9.3	6.8	4.2		32
34											12.4	8.4	6.1	3.7		34
36											11.4	7.7	5.5	3.2		36
Parts of line	7	6	5	4	3	6	5	4	3	2	6	5	4	3	2	Parts of line

Unit:t

H Load Chart

Load chart -H (Load on main hook, Boom 16~76m, Without extension jib) 4/6													
Load on main hook, Boom 16m~76m, Without extension jib													
Boom length(m)	43				46				49				Boom length(m)
Counterweight (t) / Radius(m)	54+20	43.5+0	33+0	12+0	54+20	43.5+0	33+0	12+0	54+20	43.5+0	33+0	12+0	Counterweight (t) / Radius(m)
9	54.7	50.2	40.1	29.1	53.3				52.1				9
10	50.7	44.6	35.5	25.6	49.8	43.5	34.6	24.9	46.7	42.4	33.7	24.2	10
12	44.7	36.3	28.7	20.5	43.6	35.5	28.0	19.9	41.5	34.6	27.3	19.3	12
14	38.4	29.5	23.2	16.4	37.4	29.3	23.0	16.3	36.4	29.0	22.7	15.8	14
16	33.2	24.5	19.2	13.4	32.5	24.3	19.0	13.3	31.7	24.1	18.8	13.1	16
18	28.9	20.9	16.2	11.2	28.5	20.7	16.0	11.0	27.8	20.5	15.8	10.8	18
20	25.1	18.0	13.9	9.5	24.9	17.9	13.7	9.3	24.7	17.6	13.5	9.1	20
22	22.1	15.8	12.0	8.1	22.0	15.6	11.9	7.9	21.7	15.4	11.7	7.7	22
24	19.7	13.9	10.6	7.0	19.5	13.8	10.4	6.8	19.3	13.6	10.2	6.6	24
26	17.7	12.4	9.3	6.0	17.5	12.2	9.2	5.9	17.3	12.0	9.0	5.7	26
28	16.0	11.1	8.3	5.2	15.8	11.0	8.1	5.1	15.6	10.8	7.9	4.8	28
30	14.5	10.0	7.4	4.6	14.4	9.9	7.2	4.4	14.1	9.7	7.0	4.2	30
32	13.3	9.1	6.6	4.0	13.1	8.9	6.4	3.8	12.9	8.7	6.2	3.5	32
34	12.2	8.2	5.9	3.5	12.0	8.1	5.8	3.3	11.8	7.9	5.6	3.0	34
36	11.2	7.5	5.3	3.0	11.0	7.3	5.2	2.8	10.8	7.1	5.0	2.6	36
38	10.3	6.8	4.8	2.6	10.2	6.7	4.6	2.4	10.0	6.5	4.4	2.1	38
40					9.4	6.1	4.2	2.1	9.2	5.9	4.0		40
42									8.5	5.4	3.5		42
44									7.9	4.9	3.1		44
Parts of line	5	5	4	3	5	4	3	3	5	4	3	3	Parts of line

Unit:t

H Load Chart

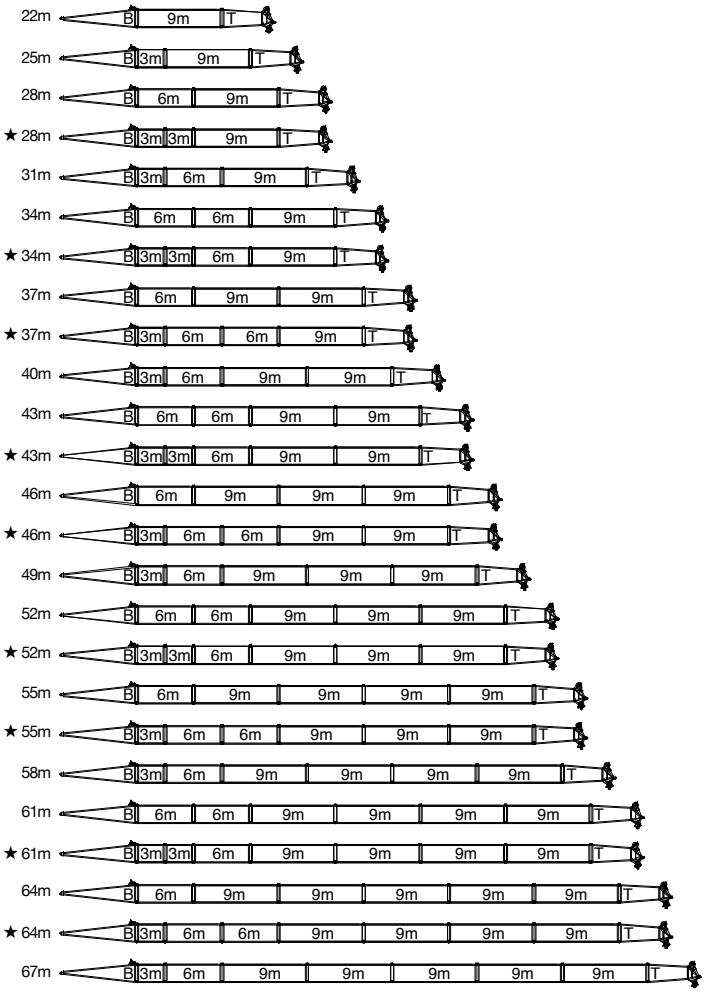
Load chart -H (Load on main hook, Boom 16~76m, Without extension jib) 5/6										
Load on main hook, Boom 16m~76m, Without extension jib										
Boom length(m)	52			55			58			Boom length(m)
Counterweight (t) / Radius(m)	54+20	43.5+0	33+0	54+20	43.5+0	33+0	54+20	43.5+0	33+0	Counterweight (t) / Radius(m)
10	45.6	41.4	32.8	44.7			40.1			10
12	41.5	33.8	26.6	40.6	33.1	26.0	36.1	32.3	25.3	12
14	35.5	28.4	22.1	34.7	27.7	21.6	33.8	27.1	21.0	14
16	31.0	23.9	18.6	30.2	23.7	18.3	29.5	23.1	17.8	16
18	27.2	20.3	15.6	26.6	20.1	15.4	25.9	19.9	15.2	18
20	24.1	17.5	13.3	23.6	17.3	13.2	23.0	17.1	13.0	20
22	21.6	15.2	11.5	21.1	15.0	11.3	20.5	14.8	11.1	22
24	19.1	13.4	10.0	18.9	13.2	9.9	18.5	13.0	9.7	24
26	17.1	11.9	8.8	16.9	11.7	8.6	16.7	11.5	8.4	26
28	15.4	10.6	7.7	15.2	10.4	7.6	15.0	10.2	7.4	28
30	14.0	9.5	6.9	13.8	9.3	6.7	13.6	9.1	6.4	30
32	12.7	8.5	6.1	12.5	8.4	5.9	12.3	8.2	5.6	32
34	11.6	7.7	5.4	11.4	7.5	5.2	11.2	7.3	5.0	34
36	10.7	7.0	4.8	10.5	6.8	4.6	10.3	6.6	4.3	36
38	9.8	6.3	4.3	9.6	6.1	4.1	9.4	5.9	3.8	38
40	9.0	5.7	3.8	8.8	5.6	3.6	8.6	5.4	3.3	40
42	8.3	5.2	3.4	8.2	5.0	3.2	8.0	4.8	2.9	42
44	7.7	4.7	3.0	7.5	4.6	2.8	7.3	4.4	2.5	44
46	7.1	4.3	2.6	7.0	4.1	2.5	6.8	3.9	2.1	46
48				6.4	3.7	2.1	6.2	3.5		48
50							5.8	3.2		50
Parts of line	4	4	3	4	3	3	4	3	3	Parts of line

Unit:t

H Load Chart

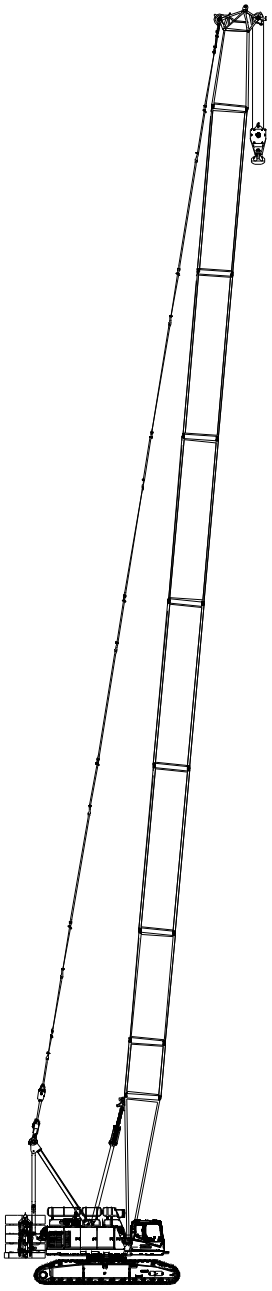
Load chart -H (Load on main hook, Boom 16~76m, Without extension jib) 6/6										
Load on main hook, Boom 16m~76m, Without extension jib										
Boom length(m)	61		64		67		70	73	76	Boom length(m)
Counterweight (t) / Radius(m)	54+20	43.5+0	54+20	43.5+0	54+20	43.5+0	54+20	54+20	54+20	Counterweight (t) / Radius(m)
12	35.3	31.5	32.8		30.1		27.5	24.0	22.6	12
14	33.1	26.5	31.1	25.8	28.6	25.2	26.6	23.9	22.2	14
16	28.8	22.6	28.1	22.1	26.6	21.5	25.3	23.3	21.8	16
18	25.3	19.5	24.7	19.0	24.1	18.6	23.5	22.6	21.1	18
20	22.4	16.9	21.9	16.6	21.3	16.1	20.8	20.3	19.8	20
22	20.0	14.7	19.5	14.5	19.0	14.2	18.5	18.1	17.6	22
24	18.0	12.8	17.5	12.7	17.1	12.3	16.6	16.2	15.7	24
26	16.3	11.3	15.8	11.1	15.4	10.8	15.0	14.5	14.1	26
28	14.8	10.0	14.3	9.9	13.9	9.5	13.5	13.1	12.7	28
30	13.4	8.9	13.0	8.8	12.6	8.4	12.2	11.9	11.5	30
32	12.2	8.0	11.9	7.8	11.5	7.5	11.1	10.8	10.4	32
34	11.1	7.2	10.9	7.0	10.5	6.6	10.1	9.8	9.4	34
36	10.1	6.4	9.9	6.2	9.6	5.9	9.2	8.9	8.5	36
38	9.2	5.8	9.1	5.6	8.7	5.2	8.4	8.1	7.7	38
40	8.5	5.2	8.3	5.0	8.0	4.6	7.7	7.4	7.0	40
42	7.8	4.7	7.6	4.4	7.3	4.1	7.0	6.7	6.3	42
44	7.2	4.2	7.0	3.9	6.7	3.6	6.4	6.1	5.7	44
46	6.6	3.8	6.4	3.5	6.1	3.2	5.8	5.5	5.2	46
48	6.1	3.4	5.9	3.1	5.6	2.8	5.3	5.0	4.7	48
50	5.6	3.0	5.4	2.7	5.1	2.4	4.8	4.5	4.2	50
52	5.2		5.0		4.7		4.4	4.1	3.8	52
54	4.7		4.6		4.3		4.0	3.7	3.4	54
56			4.2		3.9		3.6	3.3	3.0	56
58					3.6		3.3	3.0	2.4	58
60							2.9	2.6		60
62							2.6			62
Parts of line	3	3	3	3	3	3	3	2	2	Parts of line

Hh Configuration



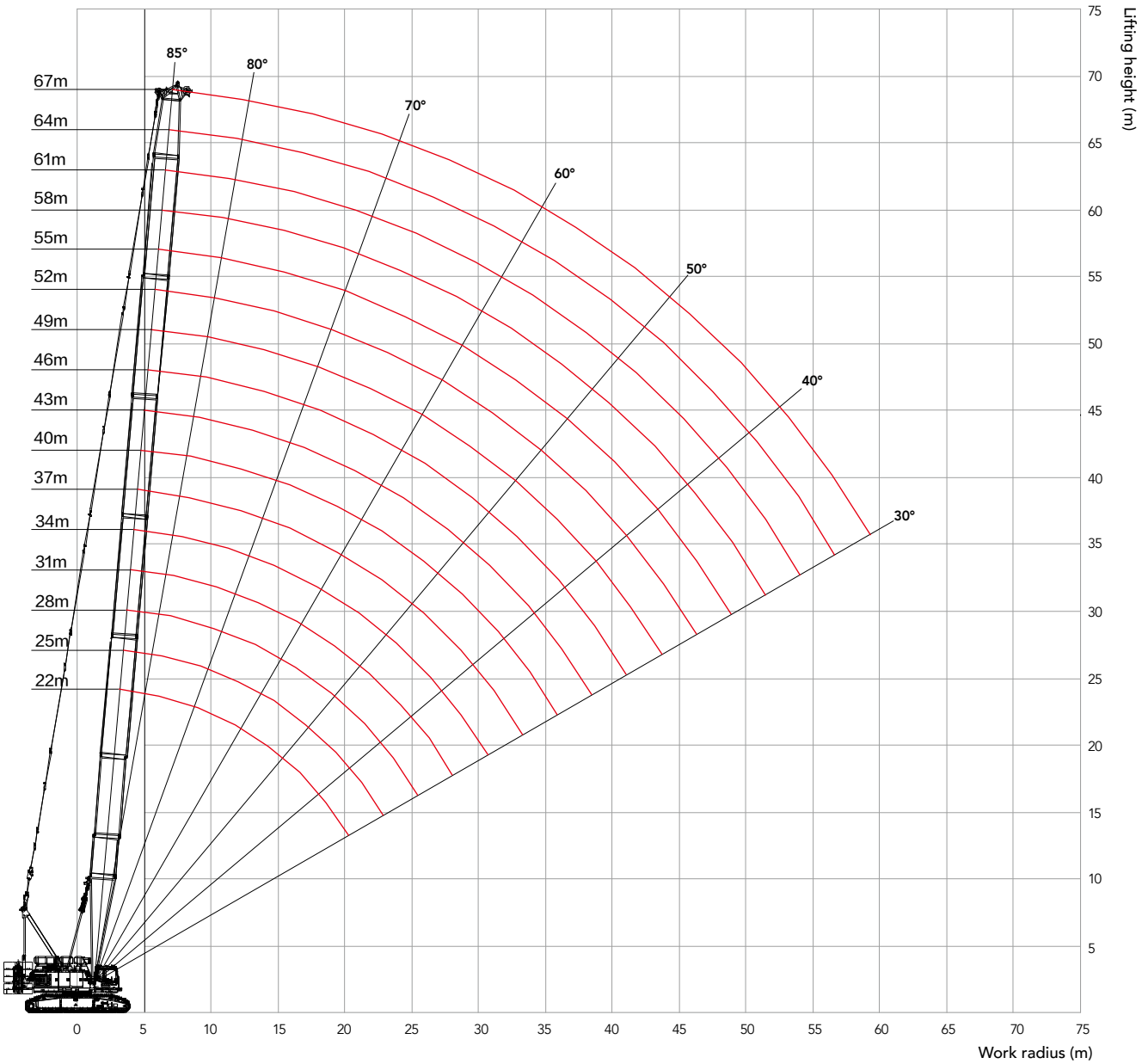
Note: The boom combinations with " ★ " are recommended for purchasing.

B	Boom base
3m	3m boom insert
6m	6m boom insert
9m	9m boom insert
T	Boom top（special for LJ）



Hh Configuration (22m~67m)

Hh Working Radius

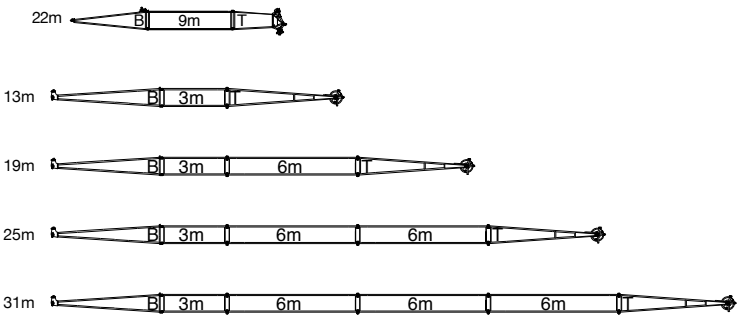


Unit:t

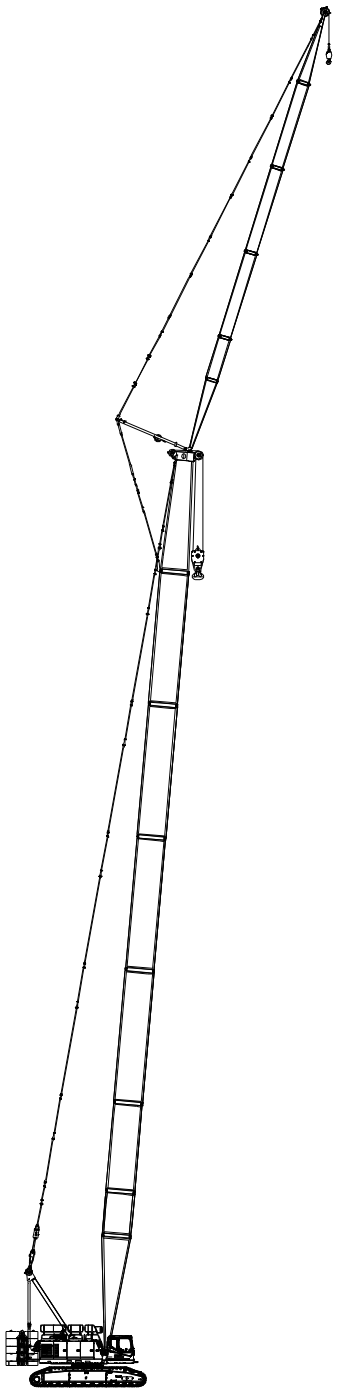
Hh Load Chart

Load chart -Hh																	
Load on main hook, Boom 22~67m																	
Boom length (m) / Radius (m)	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64	67	Boom length (m) / Radius (m)
7	72.0	71.8	71.6														7
8	71.3	70.9	70.5	70.2	69.9	69.6	63.4	61.7									8
9	70.2	69.6	69.2	67.0	64.9	63.2	61.3	54.7	53.3	52.1	48.3	47.6	42.5				9
10	62.8	62.2	61.7	60.2	58.4	56.9	55.2	50.7	49.8	46.7	45.6	44.7	40.1	38.2	34.2	30.9	10
12	51.3	50.9	50.6	50.2	48.7	47.5	46.0	44.7	43.6	41.5	41.5	40.6	36.1	35.3	32.8	30.1	12
14	42.0	41.7	41.5	41.3	41.0	40.6	39.4	38.4	37.4	36.4	35.5	34.3	33.1	31.5	30.6	28.6	14
16	35.3	35.0	34.8	34.6	34.4	34.4	34.0	33.2	32.5	31.7	31.0	29.6	28.4	27.2	26.3	25.2	16
18	30.3	30.1	29.9	29.7	29.5	29.5	29.1	28.9	28.5	27.8	27.2	25.7	24.9	23.9	22.9	22.1	18
20	26.5	26.3	26.1	25.9	25.7	25.7	25.3	25.1	24.9	24.7	24.1	22.9	21.9	21.0	20.2	19.5	20
22		23.3	23.1	22.9	22.7	22.7	22.4	22.1	22.0	21.7	21.6	20.4	19.6	18.7	18.1	17.3	22
24			20.7	20.5	20.3	20.3	19.9	19.7	19.5	19.3	19.1	18.2	17.5	16.8	16.2	15.4	24
26				18.5	18.2	18.2	17.9	17.7	17.5	17.3	17.1	16.5	15.8	15.2	14.5	13.9	26
28				16.7	16.5	16.5	16.2	16.0	15.8	15.6	15.4	14.9	14.3	13.7	13.0	12.5	28
30					15.0	15.1	14.7	14.5	14.4	14.1	14.0	13.6	13.0	12.4	11.9	11.3	30
32						13.6	13.5	13.3	13.1	12.9	12.7	12.3	11.8	11.2	10.8	10.3	32
34							12.2	12.2	12.0	11.8	11.6	11.1	10.7	10.3	9.8	9.3	34
36							10.6	10.9	11.0	10.8	10.5	10.2	9.7	9.4	8.9	8.4	36
38								9.6	9.7	9.8	9.4	9.1	8.9	8.5	8.0	7.6	38
40									8.6	8.7	8.5	8.3	8.0	7.6	7.2	6.9	40
42										7.8	7.5	7.5	7.3	7.0	6.5	6.3	42
44										6.7	6.7	6.7	6.5	6.2	6.0	5.6	44
46											5.9	5.9	5.8	5.5	5.3	5.0	46
48												5.1	5.0	5.0	4.7	4.4	48
50													4.4	4.3	4.2	3.8	50
52														3.6	3.5	3.4	52
54														3.1	3.0	2.9	54
56															2.5	2.4	56
Counterweight	54+20																Counterweight
Parts of line	6	6	6	6	6	6	6	6	5	5	5	4	4	4	3	3	Parts of line

FJ Configuration

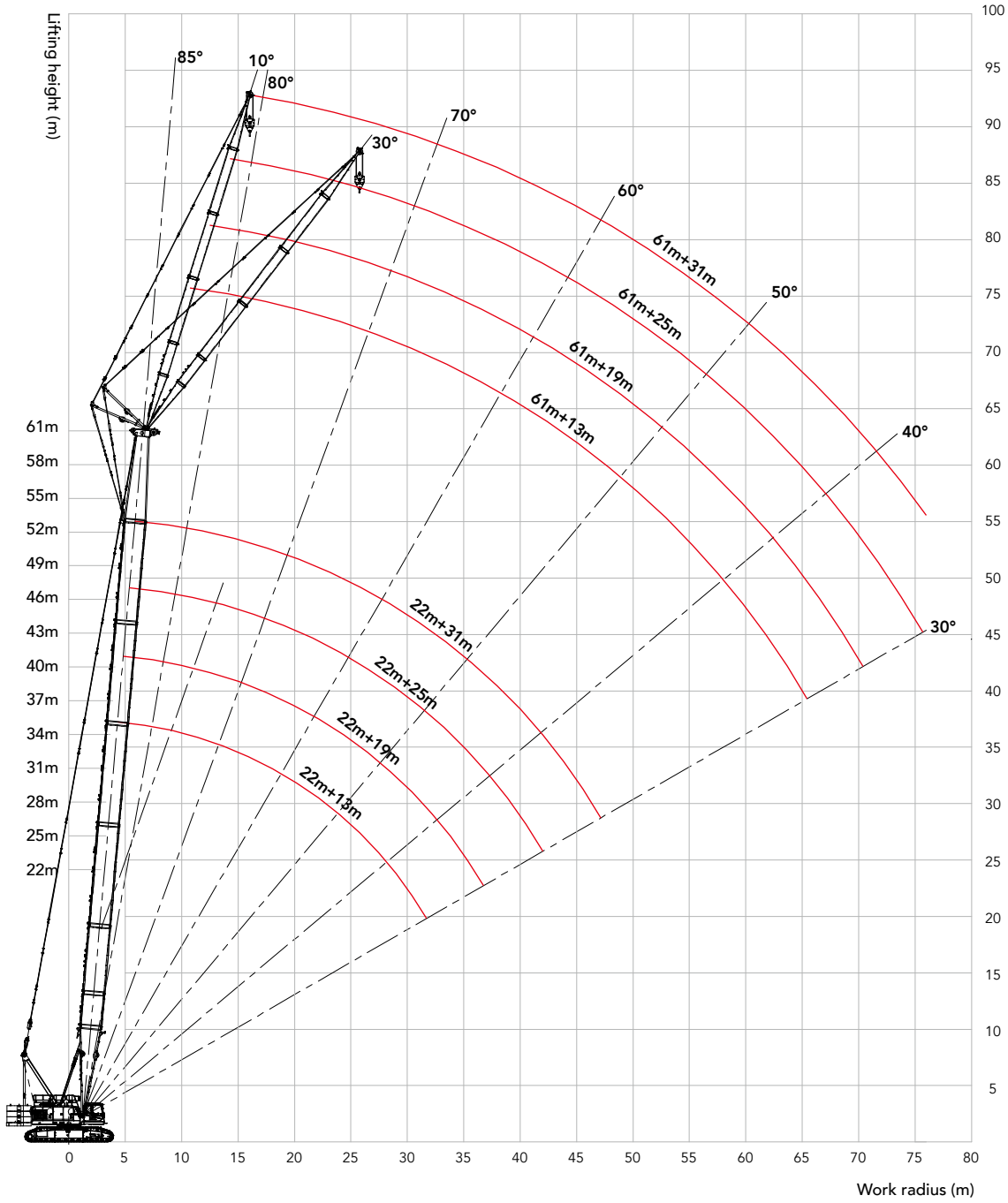


B	5m	Jib base
T	5m	Jib top
6m	6m	Jib insert
3m	3m	Jib insert



FJ Configuration
(22m~61m)+(13m~31m)

FJ Working Radius



Unit:t

FJ Load Chart

Note:
1.The rated load in the load chart is calculated complying with EN 13000.
2.The working radius is the horizontal distance from the load center to the swing 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 any other 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. When the jib length is 42.7ft (13m), 1 part of line shall not be permitted.
7. See the Operation Manual for the complete load charts of FJ, FJm and FJa configurations.

Load chart -FJ (Load on aux. hook, Boom 22~61m, Without main hook) 1/4

Jib 13m, Boom to jib angle 10°

Boom length (m) / Radius (m)	22	25	28	31	34	37	40	43	46	49	52	55	58	61	Boom length (m) / Radius (m)
9	27.0	27.0													9
10	27.0	27.0	27.0	26.8	26.8										10
12	26.9	26.5	26.8	26.8	26.8	26.5	25.8	25.1							12
14	26.2	25.8	26.1	26.3	26.5	26.5	25.8	25.1	24.4	23.6	22.9	22.0			14
16	25.6	24.9	25.3	25.5	25.8	26.0	25.7	25.2	24.4	23.6	22.9	22.0	21.3	20.5	16
18	25.1	24.4	24.6	24.5	24.9	25.1	25.2	24.5	24.1	23.3	22.3	21.3	21.0	20.2	18
20	24.3	23.5	23.3	23.3	23.5	23.7	23.1	22.4	21.8	21.2	20.7	20.1	19.6	19.1	20
22	22.9	22.3	22.1	21.9	21.9	21.7	21.0	20.3	19.8	19.2	18.7	18.2	17.7	17.2	22
24	20.7	20.5	20.3	20.1	19.9	19.8	19.2	18.6	18.1	17.5	17.0	16.6	16.1	15.6	24
26	18.7	18.5	18.3	18.1	17.9	17.9	17.6	17.1	16.6	16.1	15.6	15.2	14.7	14.3	26
28	17.0	16.8	16.6	16.5	16.3	16.2	15.9	15.7	15.3	14.8	14.4	13.9	13.5	13.1	28
30	15.6	15.4	15.2	15.0	14.8	14.8	14.5	14.3	14.1	13.9	13.3	12.9	12.5	12.1	30
32	14.4	14.1	14.0	13.8	13.6	13.5	13.2	13.1	12.9	12.7	12.5	11.9	11.5	11.1	32
34		13.1	12.9	12.7	12.5	12.5	12.2	12.0	11.8	11.6	11.4	11.3	11.0	10.3	34
36			11.9	11.8	11.6	11.5	11.2	11.0	10.8	10.7	10.5	10.3	10.1	9.7	36
38			11.1	10.9	10.7	10.7	10.4	10.2	10.0	9.8	9.6	9.5	9.3	8.9	38
40				10.2	10.0	9.9	9.6	9.4	9.2	9.1	8.9	8.7	8.5	8.2	40
42					9.3	9.2	8.9	8.7	8.6	8.4	8.2	8.0	7.8	7.6	42
44						8.6	8.3	8.1	7.9	7.8	7.6	7.4	7.2	7.0	44
46							7.8	7.6	7.4	7.2	7.0	6.9	6.6	6.4	46
48							7.2	7.0	6.9	6.7	6.5	6.3	6.1	5.9	48
50								6.6	6.4	6.2	6.0	5.8	5.6	5.4	50
52									6.0	5.7	5.5	5.3	5.1	4.9	52
54										5.3	5.1	4.9	4.7	4.5	54
56										4.9	4.7	4.5	4.3	4.1	56
58											4.4	4.2	3.9	3.7	58
60												3.8	3.6	3.4	60
62													3.4	3.2	62
64													3.0	2.8	64
66														2.5	66
Counterweight	54+20														Counterweight
Parts of line	3	3	3	3	3	3	3	3	3	2	2	2	2	2	Parts of line

Unit:t

FJ Load Chart

Load chart -FJ (Load on aux. hook, Boom 22~61m, Without main hook) 2/4															
Jib 25m, Boom to jib angle 10°															
Boom length (m) / Radius (m)	22	25	28	31	34	37	40	43	46	49	52	55	58	61	Boom length (m) / Radius (m)
14	12.1	11.9													14
16	11.9	11.7	11.7	11.7	11.6										16
18	11.7	11.5	11.5	11.4	11.3	11.3	11.5	11.5							18
20	11.5	11.3	11.2	11.0	11.0	11.1	11.2	11.3	11.2	11.2	11.2	11.1			20
22	11.3	11.0	10.9	10.6	10.6	10.8	11.0	11.0	10.9	10.9	11.0	10.9	10.9	10.8	22
24	11.1	10.6	10.5	10.2	10.2	10.4	10.6	10.8	10.7	10.6	10.7	10.6	10.7	10.6	24
26	10.8	10.3	10.2	9.9	9.9	10.0	10.3	10.5	10.4	10.4	10.4	10.5	10.4	10.4	26
28	10.6	10.0	9.8	9.6	9.7	9.7	10.0	10.2	10.1	10.2	10.3	10.3	10.3	10.2	28
30	10.3	9.8	9.5	9.4	9.4	9.4	9.8	9.9	9.9	9.9	10.0	10.1	10.0	10.0	30
32	10.1	9.5	9.2	9.0	9.1	9.1	9.5	9.6	9.6	9.7	9.7	9.9	9.8	9.7	32
34	9.9	9.2	8.9	8.8	8.8	8.9	9.2	9.3	9.3	9.4	9.6	9.6	9.6	9.4	34
36	9.7	8.9	8.7	8.6	8.6	8.6	9.0	9.0	9.1	9.1	9.1	9.2	9.3	9.0	36
38	9.5	8.8	8.4	8.3	8.3	8.4	8.6	8.7	8.8	8.7	8.8	8.9	8.9	8.6	38
40	9.3	8.5	8.3	8.2	8.0	8.1	8.2	8.4	8.5	8.4	8.5	8.6	8.5	8.1	40
42	9.1	8.3	8.0	7.8	7.7	7.8	7.8	8.1	8.2	8.2	8.2	8.3	8.0	7.7	42
44	8.8	8.0	7.6	7.3	7.3	7.5	7.6	7.8	7.9	7.9	7.9	7.8	7.5	7.2	44
46		7.6	7.1	6.9	7.0	7.2	7.4	7.6	7.6	7.5	7.4	7.2	6.9	6.6	46
48			6.7	6.4	6.7	7.0	7.2	7.3	7.2	7.0	6.9	6.7	6.4	6.1	48
50				6.1	6.5	6.9	6.9	6.9	6.7	6.5	6.4	6.2	5.9	5.7	50
52					6.4	6.7	6.6	6.5	6.3	6.1	5.9	5.8	5.5	5.2	52
54					6.3	6.5	6.2	6.0	5.9	5.7	5.5	5.3	5.1	4.8	54
56						6.1	5.9	5.7	5.5	5.3	5.1	4.9	4.7	4.5	56
58							5.5	5.3	5.1	4.9	4.7	4.6	4.3	4.1	58
60								5.0	4.8	4.6	4.4	4.2	4.0	3.8	60
62								4.7	4.5	4.3	4.1	3.9	3.7	3.5	62
64									4.2	4.0	3.8	3.6	3.4	3.2	64
66											3.6	3.4	3.1	2.9	66
68											3.2	3.0	2.8	2.6	68
70											3.0	2.8	2.6	2.3	70
72												2.5	2.3	2.1	72
74													2.1		74
Counterweight	54+20														Counterweight
Parts of line	2	1	1	1	1	1	1	1	1	1	1	1	1	1	Parts of line

Unit:t

FJ Load Chart

Load chart -FJ (Load on aux. hook, Boom 22~61m, Without main hook) 3/4

Jib 13m, Boom to jib angle 30°

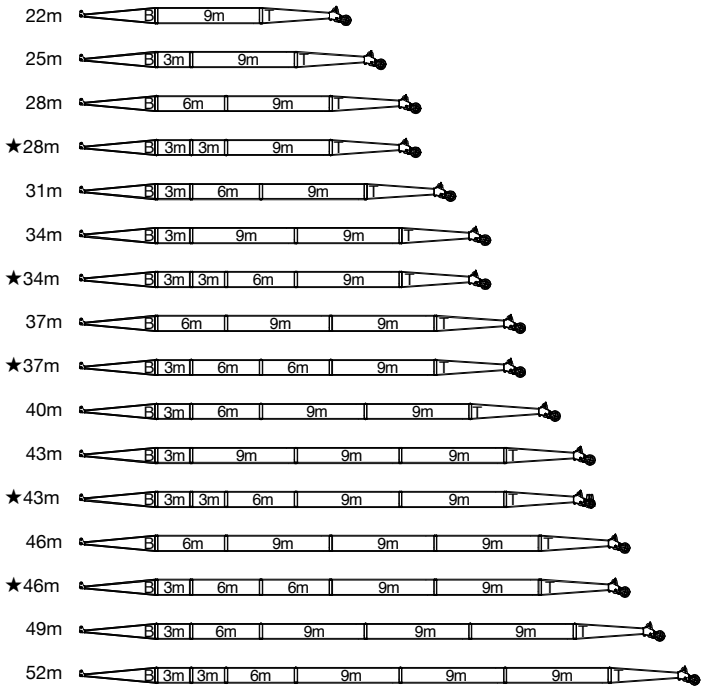
Boom length (m) / Radius (m)	22	25	28	31	34	37	40	43	46	49	52	55	58	61	Boom length (m) / Radius (m)
12	23.5	23.1													12
14	22.7	22.3	22.1	21.9	21.8										14
16	21.8	21.5	21.4	21.3	21.2	21.1	21.0	20.9							16
18	20.5	20.2	20.1	20.1	20.0	19.9	19.8	19.7	19.6	19.5	19.4	19.3			18
20	19.6	19.3	19.2	19.1	18.9	18.8	18.7	18.6	18.5	18.4	18.3	18.2	18.1	17.6	20
22	18.7	18.4	18.1	17.9	17.8	17.6	17.5	17.4	17.3	17.2	17.1	17.0	16.9	16.6	22
24	17.9	17.6	17.3	17.1	16.9	16.8	16.7	16.6	16.5	16.4	16.2	16.1	15.9	15.7	24
26	17.2	16.8	16.5	16.3	16.1	16.0	15.8	15.7	15.6	15.5	15.3	15.2	14.8	14.4	26
28	16.5	16.1	15.8	15.6	15.5	15.4	15.2	15.1	15.0	14.9	14.5	14.0	13.6	13.2	28
30	15.7	15.3	15.0	14.9	14.8	14.6	14.4	14.3	14.2	13.8	13.4	13.0	12.6	12.2	30
32	14.5	14.0	14.2	14.0	13.9	13.8	13.6	13.4	13.3	12.8	12.5	12.1	11.7	11.3	32
34		13.1	13.0	12.9	12.7	12.7	12.5	12.3	12.2	12.0	11.6	11.2	10.9	10.5	34
36		12.2	12.1	11.9	11.8	11.7	11.5	11.3	11.2	11.0	10.9	10.7	10.1	9.8	36
38			11.2	11.0	10.9	10.9	10.6	10.4	10.3	10.1	10.0	9.8	9.7	9.1	38
40				10.2	10.1	10.1	9.8	9.7	9.5	9.3	9.2	9.1	8.9	8.7	40
42					9.4	9.4	9.1	8.9	8.8	8.6	8.5	8.3	8.2	8.0	42
44					8.7	8.7	8.5	8.3	8.2	8.0	7.8	7.7	7.5	7.4	44
46						8.1	7.9	7.7	7.6	7.4	7.3	7.1	6.9	6.8	46
48							7.3	7.2	7.0	6.9	6.7	6.6	6.4	6.2	48
50								6.7	6.5	6.4	6.2	6.0	5.9	5.7	50
52									6.1	5.9	5.7	5.6	5.4	5.2	52
54									5.6	5.4	5.3	5.1	4.9	4.7	54
56										5.0	4.8	4.7	4.5	4.3	56
58											4.4	4.3	4.1	3.9	58
60												3.9	3.7	3.6	60
62												3.6	3.4	3.2	62
64													3.0	2.9	64
66														2.6	66
Counterweight	54+20														Counterweight
Parts of line	2	2	2	2	2	2	2	2	2	2	2	2	2	2	Parts of line

Unit:t

FJ Load Chart

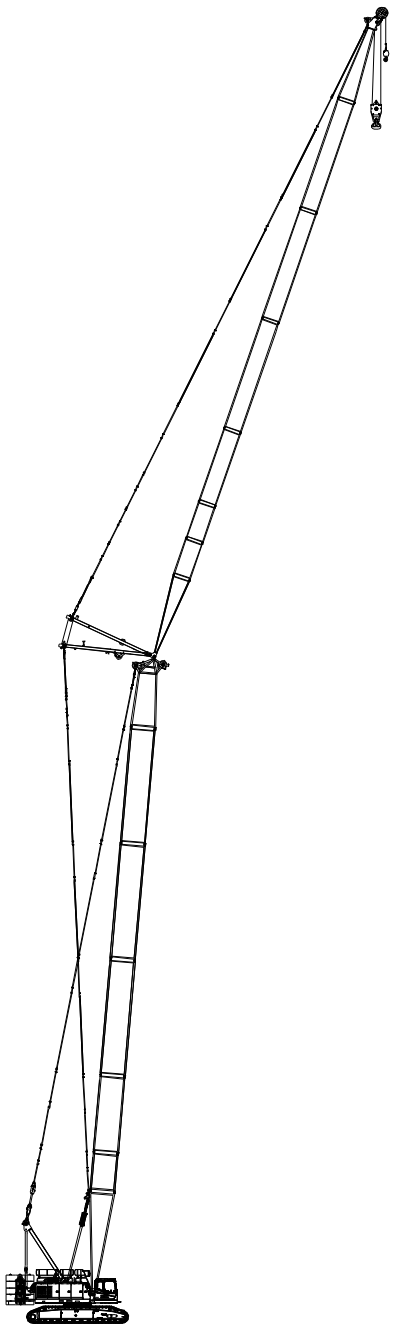
Load chart -FJ (Load on aux. hook, Boom 22~61m, Without main hook) 4/4															
Jib 13m, Boom to jib angle 30°															
Boom length (m) / Radius (m)	22	25	28	31	34	37	40	43	46	49	52	55	58	61	Boom length (m) / Radius (m)
20	9.8	9.8													20
22	9.5	9.5	9.5	9.4	9.4										22
24	9.2	9.2	9.3	9.1	9.2	9.2	9.2	9.1							24
26	8.9	8.9	9.0	8.8	9.0	9.0	9.0	8.8	8.7	8.6	8.5	8.4			26
28	8.6	8.6	8.7	8.6	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.0	7.8	28
30	8.3	8.3	8.4	8.4	8.5	8.4	8.3	8.2	8.2	8.1	8.0	7.9	7.8	7.7	30
32	8.0	8.0	8.1	8.2	8.2	8.2	8.0	8.0	7.9	7.8	7.7	7.6	7.6	7.4	32
34	7.7	7.7	7.8	8.0	8.0	7.9	7.8	7.7	7.7	7.6	7.5	7.4	7.4	7.2	34
36	7.4	7.5	7.6	7.7	7.7	7.6	7.5	7.5	7.4	7.4	7.3	7.2	7.2	7.0	36
38	7.2	7.2	7.3	7.5	7.4	7.4	7.3	7.3	7.2	7.2	7.1	7.0	6.9	6.8	38
40	7.0	7.0	7.1	7.3	7.2	7.1	7.2	7.1	7.0	7.0	6.9	6.9	6.8	6.6	40
42	6.8	6.8	6.9	7.1	7.0	6.9	6.9	7.0	6.9	6.9	6.8	6.8	6.7	6.4	42
44	6.6	6.6	6.7	6.8	6.7	6.7	6.7	6.8	6.8	6.8	6.7	6.7	6.6	6.2	44
46		6.4	6.4	6.4	6.4	6.5	6.5	6.6	6.7	6.7	6.6	6.6	6.5	6.1	46
48		6.2	6.1	6.0	6.1	6.3	6.4	6.5	6.6	6.6	6.5	6.5	6.4	6.0	48
50			5.9	5.6	5.8	6.1	6.3	6.4	6.5	6.5	6.4	6.3	6.2	5.9	50
52				5.3	5.5	5.9	6.2	6.2	6.3	6.3	6.2	6.1	6.0	5.7	52
54					5.2	5.7	6.1	6.0	6.1	6.0	5.9	5.8	5.6	5.4	54
56					5.0	5.5	5.9	5.8	5.8	5.6	5.5	5.4	5.2	5.0	56
58						5.3	5.6	5.5	5.4	5.2	5.1	4.9	4.8	4.6	58
60							5.3	5.2	5.0	4.9	4.7	4.5	4.4	4.2	60
62									4.6	4.6	4.4	4.2	4.1	3.8	62
64									4.2	4.2	4.0	3.8	3.7	3.5	64
66									4.0	3.8	3.6	3.4	3.3	3.1	66
68										3.4	3.4	3.1	3.0	2.9	68
70												2.9	2.8	2.7	70
72												2.6	2.5	2.4	72
74												2.3			74
Counterweight	54+20														Counterweight
Parts of line	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Parts of line

LJ Configuration



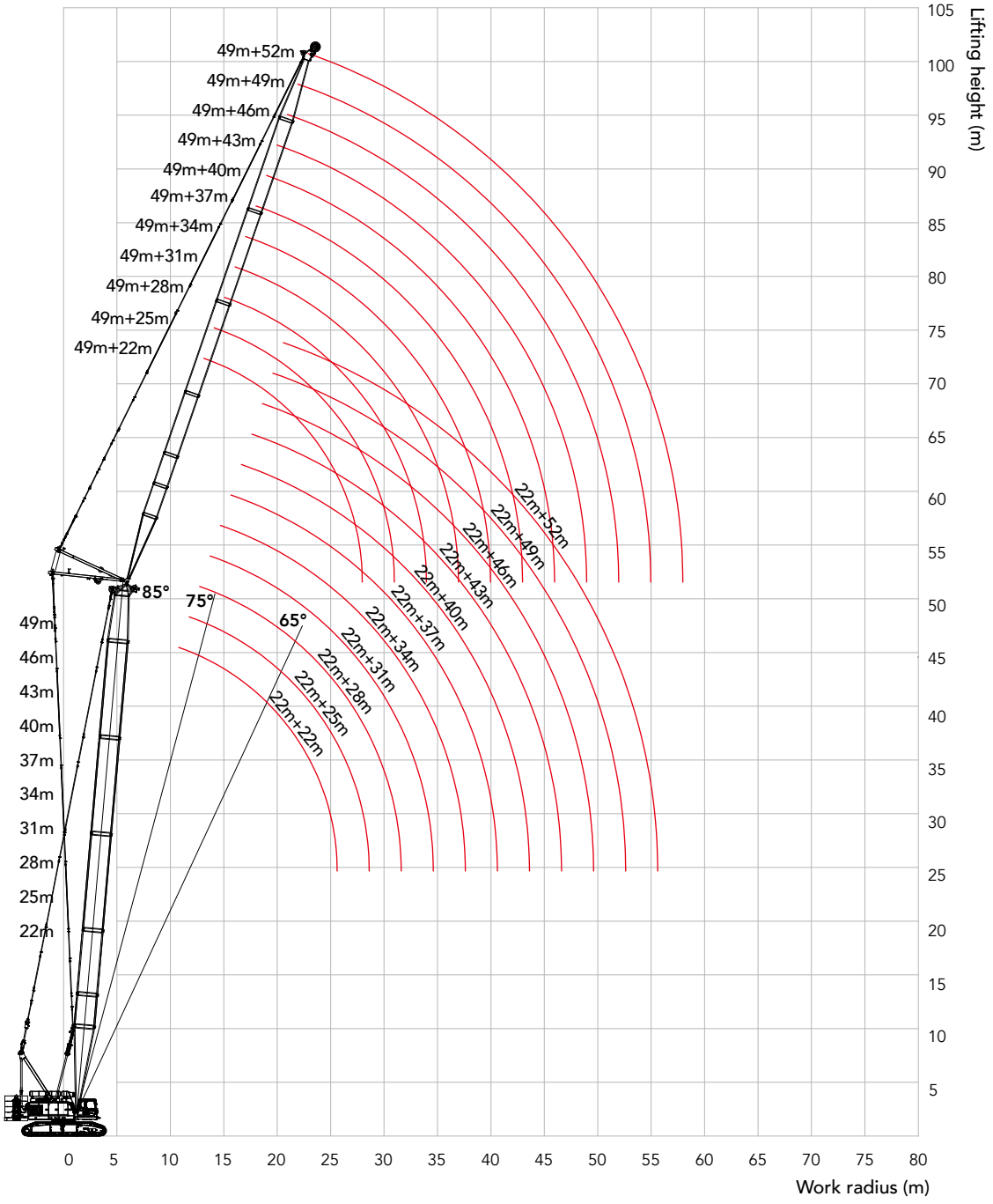
Note: The boom combinations with " ★ " are recommended for purchasing.

B	Luffing jib base
3m	3m luffing jib insert
6m	6m luffing jib insert
9m	9m luffing jib insert
T	Luffing jib top



LJ Configuration: (49m+52m)

LJ Working Radius



Unit:t

LJ Load Chart

Note:
1.The rated load in the load chart is calculated complying with EN 13000;
2.The working radius is the horizontal distance from the load center to the swing 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 any other 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. See the Operation Manual for the complete load charts of LJ and LJa configurations.

Load chart -LJ (Load on luffing jib hook, Without extension jib) 1/12

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
12	37.6	33.8	29.9	26.7								12
14	34.5	31.2	27.9	24.9	21.8	18.4						14
16	30.1	28.9	26.0	23.3	21.3	17.9	15.1	12.8	11.0			16
18	25.1	25.3	23.9	21.7	20.3	17.4	14.7	12.4	10.6	9.1	7.7	18
20	21.5	21.6	21.8	20.2	18.8	17.0	14.2	12.0	10.2	8.7	7.4	20
22	18.7	18.8	18.9	18.7	17.4	16.1	13.8	11.6	9.9	8.4	7.1	22
24	14.8	16.5	16.6	16.5	16.0	14.9	13.4	11.3	9.5	8.1	6.8	24
26		14.1	14.8	14.7	14.8	13.7	12.6	11.0	9.2	7.8	6.6	26
28			13.2	13.2	13.2	12.7	11.7	10.6	8.9	7.5	6.3	28
30			10.3	11.9	11.9	11.6	10.8	9.8	8.6	7.2	6.0	30
32				10.1	10.8	10.8	9.9	9.1	8.2	6.9	5.8	32
34					9.7	9.8	9.1	8.3	7.6	6.7	5.6	34
36					7.7	8.9	8.4	7.7	6.9	6.2	5.3	36
38						7.5	7.6	7.0	6.4	5.7	5.0	38
40							7.0	6.4	5.8	5.2	4.5	40
42							5.8	5.8	5.3	4.7	4.1	42
44								5.3	4.8	4.2	3.7	44
46									4.3	3.8	3.3	46
48									3.9	3.4	2.9	48
50										3.1	2.6	50
52											2.2	52
Counterweight	54+20											Counterweight
Parts of line	4	3	3	3	2	2	2	1	1	1	1	Parts of line

Unit:t

LJ Load Chart

Load chart -LJ (Load on luffing jib hook, Without extension jib) 2/12												
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)
12	37.1	33.3	28.8									12
14	32.1	31.1	27.6	23.9	20.2							14
16	27.6	27.5	26.0	23.2	19.8	16.8	14.3	12.2				16
18	24.3	24.2	24.1	21.8	19.4	16.4	13.9	11.9	10.2	8.7		18
20	21.7	21.6	21.3	20.6	18.9	16.1	13.6	11.6	9.9	8.4	7.2	20
22	19.5	19.4	19.2	19.1	17.6	15.7	13.2	11.2	9.6	8.1	6.9	22
24	17.7	17.6	17.4	17.3	16.4	15.1	12.9	10.9	9.3	7.9	6.7	24
26		16.0	15.9	15.6	15.0	14.1	12.6	10.6	9.0	7.6	6.4	26
28		13.3	14.2	14.0	13.6	13.0	12.1	10.3	8.7	7.3	6.2	28
30			12.4	12.4	12.3	11.9	11.2	10.1	8.4	7.1	5.9	30
32				11.0	11.0	10.9	10.4	9.4	8.2	6.8	5.7	32
34				9.8	9.9	9.9	9.6	8.8	7.9	6.6	5.5	34
36					8.9	9.0	8.8	8.0	7.3	6.4	5.3	36
38						8.0	8.0	7.4	6.7	6.0	5.1	38
40						7.2	7.3	6.8	6.2	5.5	4.8	40
42							6.6	6.2	5.7	5.0	4.3	42
44								5.7	5.2	4.6	3.9	44
46									4.7	4.2	3.5	46
48									4.2	3.7	3.2	48
50										3.3	2.8	50
52											2.5	52
54											2.1	54
Counterweight	54+20											Counterweight
Parts of line	4	3	3	2	2	2	2	2	1	1	1	Parts of line

Unit:t

LJ Load Chart

Load chart -LJ (Load on luffing jib hook, Without extension jib) 3/12

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	32.0	28.5										12
14	28.8	27.0	24.3	21.1								14
16	25.1	24.7	23.0	20.7	17.8	15.3	13.2					16
18	21.9	21.8	21.5	19.6	17.5	15.0	12.9	11.1	9.6			18
20	19.7	19.4	19.3	18.2	16.8	14.7	12.6	10.8	9.3	8.0	6.8	20
22	17.8	17.5	17.3	16.9	15.7	14.5	12.4	10.6	9.1	7.7	6.6	22
24	16.0	15.9	15.7	15.5	14.6	13.6	12.1	10.3	8.8	7.5	6.4	24
26	14.6	14.4	14.3	14.2	13.5	12.7	11.8	10.1	8.6	7.3	6.2	26
28		13.2	13.0	12.8	12.4	11.8	11.0	9.8	8.3	7.1	6.0	28
30			11.7	11.5	11.3	10.9	10.3	9.6	8.1	6.8	5.8	30
32			10.3	10.4	10.2	10.0	9.6	9.0	7.9	6.6	5.6	32
34				9.2	9.3	9.1	8.8	8.4	7.7	6.4	5.4	34
36					8.4	8.3	8.1	7.8	7.4	6.2	5.2	36
38					7.5	7.6	7.4	7.3	6.9	6.1	5.0	38
40						6.8	6.8	6.7	6.4	5.7	4.8	40
42							6.2	6.2	5.9	5.2	4.5	42
44								5.6	5.4	4.7	4.1	44
46								5.1	5.0	4.3	3.7	46
48									4.4	3.9	3.3	48
50										3.5	3.0	50
52										3.2	2.7	52
54											2.3	54
Counterweight	54+20											Counterweight
Parts of line	3	3	3	2	2	2	2	1	1	1	1	Parts of line

Unit:t

LJ Load Chart

Load chart -LJ (Load on luffing jib hook, Without extension jib) 4/12												
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)
14	24.4	22.3	20.3									14
16	22.7	21.0	19.3	17.5	15.4	13.4						16
18	20.1	19.5	18.2	16.7	15.1	13.2	11.5	10.0				18
20	18.0	17.9	16.9	15.8	14.5	13.0	11.3	9.8	8.5	7.4	6.4	20
22	16.3	16.1	15.7	14.6	13.7	12.6	11.1	9.6	8.3	7.2	6.2	22
24	14.7	14.5	14.4	13.5	12.8	12.0	10.8	9.4	8.1	7.0	6.0	24
26	13.5	13.3	13.1	12.4	11.9	11.2	10.4	9.2	7.9	6.8	5.8	26
28		12.1	11.9	11.5	11.0	10.5	9.8	9.0	7.7	6.6	5.6	28
30		10.9	10.7	10.4	10.1	9.7	9.2	8.6	7.5	6.4	5.4	30
32			9.7	9.5	9.3	9.0	8.6	8.1	7.4	6.2	5.3	32
34				8.6	8.5	8.3	8.0	7.6	7.1	6.1	5.1	34
36					7.7	7.6	7.4	7.1	6.7	5.9	4.9	36
38					7.0	7.0	6.8	6.6	6.3	5.7	4.8	38
40						6.4	6.3	6.1	5.9	5.6	4.6	40
42							5.7	5.6	5.5	5.2	4.5	42
44							5.3	5.2	5.1	4.9	4.2	44
46								4.8	4.7	4.5	3.9	46
48									4.3	4.1	3.5	48
50									4.0	3.7	3.1	50
52										3.3	2.8	52
54											2.5	54
56											2.2	56
Counterweight	54+20											Counterweight
Parts of line	3	2	2	2	2	2	1	1	1	1	1	Parts of line

Unit:t

LJ Load Chart

Load chart -LJ (Load on luffing jib hook, Without extension jib) 5/12												
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	30.9											18
20	27.3	27.3	26.0									20
22	24.5	24.4	24.3	21.9								22
24	22.2	22.0	22.1	20.8	18.6	15.4						24
26	20.1	20.0	20.1	19.4	17.9	15.2	12.7	10.7				26
28	16.9	18.2	18.3	18.1	16.6	14.9	12.4	10.4	8.8			28
30		15.7	16.5	16.5	15.5	14.3	12.2	10.2	8.5	7.2	6.0	30
32			14.5	14.7	14.3	13.3	11.9	9.9	8.3	7.0	5.8	32
34			12.2	13.1	13.3	12.3	11.3	9.7	8.1	6.7	5.6	34
36				11.5	12.1	11.4	10.4	9.4	7.9	6.5	5.4	36
38					10.8	10.4	9.6	8.7	7.7	6.4	5.2	38
40					9.1	9.5	8.8	8.1	7.3	6.2	5.1	40
42						8.7	8.1	7.4	6.7	6.0	4.9	42
44							7.4	6.8	6.2	5.5	4.7	44
46							6.7	6.2	5.7	5.0	4.3	46
48								5.6	5.1	4.5	3.9	48
50									4.7	4.1	3.5	50
52										3.6	3.1	52
54										3.3	2.8	54
56											2.4	56
Counterweight	54+20											Counterweight
Parts of line	3	3	3	2	2	2	2	1	1	1	1	Parts of line

Unit:t

LJ Load Chart

Load chart -LJ (Load on luffing jib hook, Without extension jib) 6/12												
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	23.2											20
22	20.8	20.5	20.5									22
24	18.8	18.4	18.3	18.4								24
26	17.0	16.8	16.7	16.7	16.5	14.5						26
28	15.6	15.4	15.3	15.3	15.0	14.3	12.0					28
30	14.3	14.3	14.1	14.0	13.8	13.8	11.8	9.9	8.4			30
32		13.1	13.1	12.9	12.8	12.7	11.6	9.7	8.2	6.9	5.8	32
34		12.3	12.1	12.0	11.9	11.8	11.4	9.5	8.0	6.7	5.6	34
36			11.3	11.2	11.0	10.9	10.9	9.4	7.8	6.5	5.4	36
38				10.5	10.4	10.2	10.1	9.2	7.6	6.3	5.3	38
40					9.6	9.5	9.3	9.0	7.4	6.2	5.1	40
42					9.1	8.9	8.8	8.3	7.3	6.0	4.9	42
44						8.4	8.2	7.6	6.9	5.9	4.8	44
46							7.8	7.0	6.4	5.6	4.6	46
48							7.1	6.5	5.9	5.2	4.5	48
50								5.9	5.4	4.8	4.1	50
52									4.9	4.3	3.7	52
54									4.4	3.9	3.3	54
56										3.5	2.9	56
58											2.6	58
60											2.3	60
Counterweight	54+20											Counterweight
Parts of line	2	2	2	2	2	2	1	1	1	1	1	Parts of line

Unit:t

LJ Load Chart

Load chart -LJ (Load on luffing jib hook, Without extension jib) 7/12												
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)
22	18.1											22
24	16.3	16.3										24
26	14.9	14.7	14.6	14.5								26
28	13.7	13.5	13.4	13.2	13.1	12.9						28
30	12.6	12.5	12.4	12.1	12.0	11.8	11.2					30
32	11.7	11.5	11.4	11.3	11.1	10.9	10.7	9.3	7.9			32
34		10.6	10.6	10.4	10.2	10.1	9.9	9.2	7.7	6.5		34
36		9.9	9.8	9.7	9.5	9.4	9.2	9.0	7.6	6.4	5.3	36
38			9.1	9.0	8.9	8.7	8.6	8.4	7.4	6.2	5.2	38
40				8.4	8.3	8.2	8.1	7.9	7.3	6.1	5.1	40
42				7.9	7.8	7.6	7.5	7.4	7.2	5.9	4.9	42
44					7.3	7.2	7.0	6.9	6.8	5.8	4.8	44
46						6.8	6.6	6.4	6.3	5.7	4.6	46
48							6.3	6.1	5.9	5.5	4.5	48
50							5.8	5.7	5.5	5.3	4.4	50
52								5.4	5.3	4.8	4.1	52
54									4.9	4.4	3.8	54
56									4.6	4.0	3.4	56
58										3.6	3.0	58
60											2.7	60
62											2.4	62
Counterweight	54+20											Counterweight
Parts of line	2	2	2	2	2	2	1	1	1	1	1	Parts of line

Unit:t

LJ Load Chart

Load chart -LJ (Load on luffing jib hook, Without extension jib) 8/12												
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)
24	14.5											24
26	13.0	12.9										26
28	12.0	11.9	11.6	11.5								28
30	11.0	10.8	10.8	10.5	10.4							30
32	10.2	10.0	9.9	9.7	9.5	9.4	9.2					32
34	9.5	9.2	9.1	9.0	8.8	8.6	8.4	8.3				34
36		8.7	8.5	8.4	8.2	8.0	7.8	7.7	7.1	6.0		36
38		8.0	7.9	7.7	7.6	7.5	7.2	7.0	6.9	5.9	5.0	38
40			7.5	7.3	7.1	6.9	6.7	6.6	6.5	5.8	4.9	40
42				6.8	6.6	6.5	6.4	6.2	6.0	5.7	4.7	42
44				6.3	6.2	6.1	5.9	5.7	5.6	5.4	4.6	44
46					5.8	5.7	5.5	5.3	5.2	5.0	4.5	46
48						5.4	5.2	5.0	4.9	4.7	4.4	48
50						5.1	4.8	4.7	4.6	4.4	4.2	50
52							4.6	4.4	4.3	4.2	3.9	52
54								4.2	4.0	3.9	3.8	54
56								3.9	3.8	3.6	3.5	56
58									3.6	3.4	3.2	58
60										3.2	3.0	60
62											2.8	62
64											2.4	64
Counterweight	54+20											Counterweight
Parts of line	2	2	1	1	1	1	1	1	1	1	1	Parts of line

Unit:t

LJ Load Chart

Load chart -LJ (Load on luffing jib hook, Without extension jib) 9/12

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)
24	22.4											24
26	20.3	20.2										26
28	18.6	18.4	18.3									28
30	17.1	16.9	16.8	16.7								30
32	15.8	15.7	15.6	15.4	15.3							32
34		14.5	14.4	14.3	14.2	13.1						34
36			13.5	13.3	13.2	13.0	10.7	8.9				36
38			12.6	12.4	12.3	12.2	10.6	8.8	7.3			38
40				11.7	11.6	11.5	10.6	8.7	7.1	5.9		40
42					10.9	10.8	9.9	8.5	7.0	5.8	4.8	42
44					9.8	10.0	9.1	8.2	6.9	5.7	4.6	44
46						9.2	8.4	7.6	6.8	5.5	4.5	46
48							7.7	7.0	6.4	5.4	4.4	48
50								6.4	5.8	5.1		50
52								5.9	5.3			52
Counterweight	54+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, Without extension jib) 10/12

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)
28	15.7											28
30	14.4	14.3										30
32	13.4	13.3	13.1									32
34	12.4	12.2	12.1	11.9								34
36	11.5	11.4	11.3	11.1	10.9							36
38		10.7	10.5	10.4	10.2	10.2						38
40			9.8	9.8	9.6	9.4	9.3	8.4				40
42			9.2	9.1	9.0	8.9	8.7	8.3	6.9			42
44				8.6	8.5	8.4	8.1	8.0	6.8	5.6		44
46					7.9	7.9	7.7	7.5	6.7	5.5	4.5	46
48						7.4	7.2	7.1	6.6	5.4	4.4	48
50						7.0	6.8	6.7	6.5	5.3	4.3	50
52							6.4	6.3	6.2	5.2	4.2	52
54								5.9	5.8	5.1	4.1	54
56								5.6	5.4	4.8	4.0	56
58									5.0	4.4	3.7	58
60										4.0		60
Counterweight	54+20											Counterweight
Parts of line	2	2	1	1	1	1	1	1	1	1	1	Parts of line

Unit:t

LJ Load Chart

Load chart -LJ (Load on luffing jib hook, Without extension jib) 11/12

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	11.4											32
34	10.5	10.4										34
36	9.7	9.7	9.5									36
38	9.1	8.9	8.9	8.6								38
40	8.5	8.4	8.2	8.0	7.9							40
42		7.8	7.7	7.6	7.4	7.2	7.0					42
44			7.2	7.1	6.9	6.8	6.6	6.4				44
46				6.7	6.5	6.3	6.2	6.0	5.9			46
48				6.3	6.1	6.0	5.8	5.6	5.5	5.3		48
50					5.8	5.7	5.4	5.3	5.1	5.0	4.3	50
52						5.3	5.1	5.0	4.8	4.6	4.2	52
54						4.9	4.8	4.6	4.5	4.3	4.1	54
56							4.6	4.4	4.2	4.1	3.9	56
58								4.2	4.0	3.9		58
60								3.9	3.8			60
Counterweight	54+20											Counterweight
Parts of line	1	1	1	1	1	1	1	1	1	1	1	Parts of line

Load chart -LJ (Load on luffing jib hook, Without extension jib) 12/12

Boom 49m, Boom angle 65°

Boom length (m) / Radius (m)	22	25	28	31	34	37	40	43	46	Boom length (m) / Radius (m)
36	8.0									36
38	7.6	7.4								38
40	7.0	6.8	6.7							40
42	6.6	6.4	6.3	6.0						42
44		6.0	5.9	5.6	5.5	5.3				44
46		5.6	5.5	5.4	5.1	4.9	4.7			46
48			5.2	5.0	4.9	4.6	4.4	4.2		48
50				4.7	4.5	4.3	4.1	3.9	3.8	50
52				4.5	4.3	4.1	3.8	3.7	3.5	52
54					3.9	3.7	3.6	3.4	3.3	54
56						3.5	3.4	3.2		56
58						3.3	3.2			58
Counterweight	54+20									Counterweight
Parts of line	1	1	1	1	1	1	1	1	1	Parts of line

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