



SCS1500A

SANY Crawler Crane Southeast Asia 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.

■ www.sanyglobal.com

V1.6



Crawler Crane Series SCS1500A

P03

Main
Characteristics

- Product Specification
- Safety Device

P09

Technical
Parameters

- Major Performance & Specifications
- Outline Dimension
- Transport Dimensions
- Transport Plan

P19

Configurations

- H Configuration
- FJ Configuration
- LJ Configuration



SCS1500A
SANY Crawler Crane Southeast Asia
150 Tons Lifting Capacity

QUALITY CHANGES THE WORLD

Main Characteristics

- Page 04 Product Specification
- Page 07 Safety Device

Product Specification



Engine

- Model: Weichai WP10.
- Type: Water-cooled, vertical in-line 6 cylinders, electronic control, turbo-charger, intercooler.
- Displacement: 9.7L.
- Rated power: 247kW/1900rpm.
- Operation power: 245kW/1800rpm.
- Max. torque: 1550N·m/1100~1400rpm.
- Cooling system: Water-cooled.
- 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: Pedal-operated throttle, adjustable speed.
- Fuel filter: With electric pumping oil, fuel heating, water removal filter functions.
- Batteries: Two 12V×180Ah capacity batteries, connected in series.
- Emission standard: Complied with Non-road Euro III emission standard.
- Fuel tank capacity: 400L.

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, LMI system, auxiliary system and safety monitoring system. CAN 2.0B is used for data communication between controller, monitor and the engine.
- 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 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: 5Mpa.
- Hydraulic tank capacity: 310L.

Main and auxiliary load hoist mechanism

- Main and aux. hoist winches are driven separately by the winch motor through the reducer. 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	0~102m/min
	Diameter of wire rope	Φ 26mm
	Main load hoist wire rope length	340m
	Rated single line pull	13.5t
Auxiliary hoisting mechanism	Drum diameter	596mm
	Rope speed	0~102m/min
	Diameter of wire rope	Φ 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	0~102m/min
	Wire rope diameter	Φ 26mm
	Main hoist wire rope length	340m
	Rated single line pull	13.5t
Aux. hoisting mechanism	Drum diameter	576mm
	Rope speed	0~102m/min
	Wire rope diameter	Φ 26mm
	Aux. hoist wire rope length	260m
	Rated single line pull	13.5t

Luffing mechanism

- Boom hoist winch is driven directly by reducer. 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	440mm
	Rope speed	0~45m/min
	Diameter of wire rope	22mm
	Boom hoist wire rope length	205m

Slewing mechanism

- Slewing brake adopts wet, spring loaded, normally-closed brake, and braking through spring force.
- Slewing system, equipped with integrated slewing buffer valve. It is featured in steady starting and control, and excellent inching function. Three slewing mode: anti-slip, semi-drift, drift.
- Slewing drive: External engaged slewing drive with 360° slewing range, and the max. slewing speed is 1.2r/min.
- Slewing ring: Three-row roller bearing.

Cab and control

- Industrial modeling design of C6 intelligent operator's cab, intelligent, control comfort, safety and interior comfort greatly improved, equipped with open front window, left sliding door, touch screen control system. There are low and high-beam lights, back-view mirror, panoramic skylight, 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.
- Display: Integrated 10.1-inch touch screen with visualization fault self-diagnosis, car phone, bluetooth audio, video storage and export, high-definition camera display screen. 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.
- Armrest box and panel: On the left and right armrest box are control handles, electrical switches, emergent stop, reading light, microphone, USB port, cigarette lighter and ignition switch.
- Seat: Longer and wider dynamic suspension seat with six position adjustable headrest and weight adaptation adjustment function.
- A/C: High-powered heating and cooling air conditioning system with, multi-vent layout, CFD flow field simulation design and touch screen control, making the operation more comfortable.
- Safety: Metal profile sheet metal welded frame, more stable structure. High-density top grille guardrail, can effectively block falling objects from height.

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, Middle counterweight 6t×6, Upper counterweight 3t×2.
- Carbody counterweight: total weight of 10t×2.

Superstructure

- 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



Lower structure

- 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 tensioning

- 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 pcs×2.

Outrigger of lower structure

- Standard configuration, it is convenient to realize assembly/disassembly of track frame during the transport.

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: 13m~31m.
- Longest boom+jib: 64m+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.
- Fixed jib: 22m~52m.
- Longest boom+jib: 52m+52m.

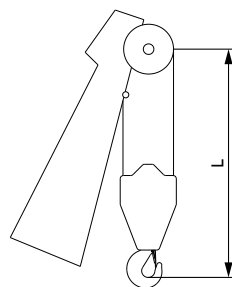
Runner

- The extension jib is a welded structure connected to the boom tip by pins, used for auxiliary hook.
- Length: 1.6m.

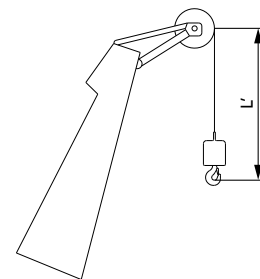
Hook block

- 150t hook, 7 sheaves.
- 80t hook, 3 sheaves.
- 35t hook, 1 sheaves.
- 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 Devices



Assembly/work mode control switch

- In assembly mode, the over-hoist protection, boom limit, LMI are all off work to facilitate crane assembly.
- In work mode, all safety devices activate to protect the operation.

Emergency stop

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

Load limit indicator (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 LMI 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 protection of the 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 protection device of the main/auxiliary winch

- 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.

Luffing winch lock device

- 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 superstructure and lower structure during transportation.

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 LMI system and travel switch;

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 Devices



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 slewing, 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 deactivated 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.



SCS1500A
SANY Crawler Crane Southeast Asia
150 Tons Lifting Capacity

QUALITY CHANGES THE WORLD

Technical Parameters

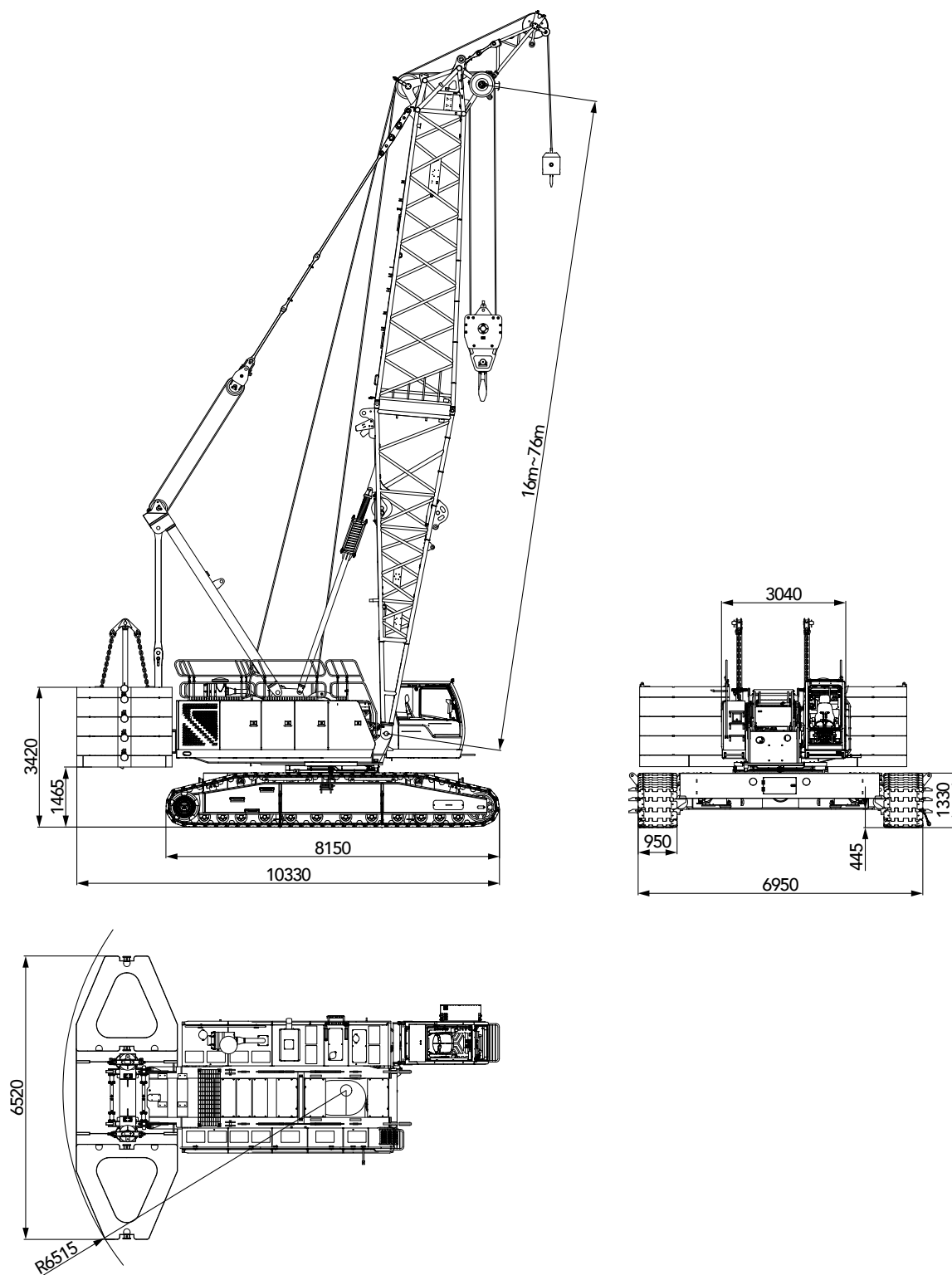
- Page 10 Major Performance Specifications
- Page 11 Outline Dimension
- Page 12 Transport Dimensions
- Page 17 Transport Plan



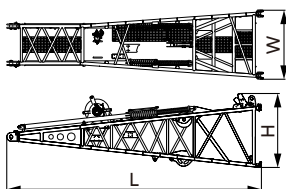
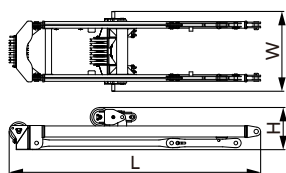
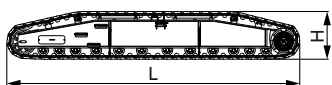
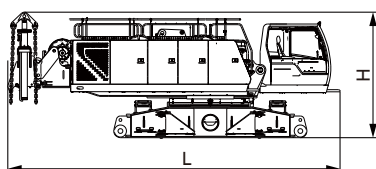
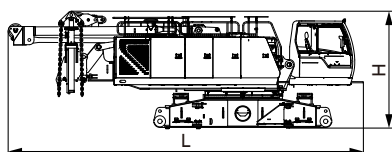
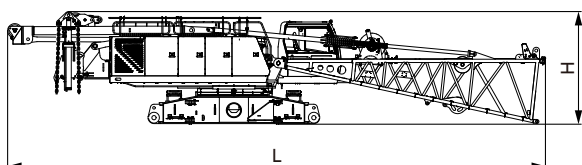
Major Performance Specifications

Major Performance & Specifications of SCS1500A			
Performance Indicators		Unit	Parameter
Boom configuration	Max. lifting capacity	t	150
	Max. lifting moment	t.m	882
	Boom length	m	16~76
	Boom luffing angle	°	30~84
Fixed jib configuration	Max. lifting capacity	t	35
	Jib length	m	13~31
	Longest boom + longest fixed jib	m	64+31
	Fixed jib angle	°	10,30
Luffing jib	Max. lifting capacity	t	36.2
	Jib length	m	22~52
	Longest boom + longest luffing jib	m	52+52
Operation speed	Rope speed of main/aux. winch	m/min	0~102
	Rope speed of boom hoist winch	m/min	0~45
	Slewing speed	rpm	1.2
	Travel speed	km/h	0~1.1
Wire rope	Main hoist wire rope: diameter × length	φ mm×m	26×340
	Aux. hoist wire rope: diameter × length	φ mm×m	26×260
	Rated single line pull of main/aux. hoist wire rope	t	13.5
Engine	Model/Displacement	/L	Weichai WP10/9.7
	Rated power/Revolution speed	kW/rpm	247/1900
Transport parameter	Weight of machine with basic boom	t	Non-free fall 145.2t Single free fall 145.9t Double free fall 146.6t
	Rear counterweight	t	55
	Carbody counterweight	t	10×2
	Transport weight of basic machine (with boom base)	t	Non-free fall 36.0t Single free fall 36.7t Double free fall 37.4t
	Transport weight of basic machine (without crawler frame and A frame)	t	Non-free fall 29.3t Single free fall 30.0t Double free fall 30.7t
	Machine transport dimension (with boom base) L×W×H	mm	16380×3040×3340
	Machine transport dimension (without crawlers and boom base) L×W×H	mm	9010×3040×3260
Other parameters	Average ground pressure (basic boom)	Mpa	0.116
	Gradeability	%	30

Outline Dimension



Transport Dimensions



Basic machine (1) ×1

Length (L)	16.38m
Width (W)	3.04m
Height (H)	3.34m
	Non-free fall 36.0t
Weight	Single free fall 36.7t
	Double free fall 37.4t

Note: Including auxiliary luffing mechanism and wire rope 1.15t

Basic machine (2) ×1

Length (L)	10.41m
Width (W)	3.04m
Height (H)	3.34m
	Non-free fall 31.6t
Weight	Single free fall 32.3t
	Double free fall 33.0t

Basic machine (3) ×1

Length (L)	9.01m
Width (W)	3.04m
Height (H)	3.26m
	Non-free fall 29.3t
Weight	Single free fall 30.0t
	Double free fall 30.7t

Crawler assembly ×2

Length (L)	8.15m
Width (W)	0.95m
Height (H)	1.33m
Weight	14.0t

A frame ×1

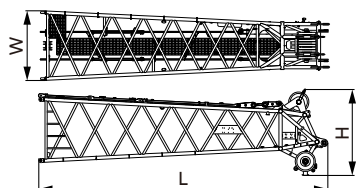
Length (L)	5.67m
Width (W)	1.80m
Height (H)	0.95m
Weight	2.3t

Boom base (with luffing jib winch) ×1

Length (L)	8.21m
Width (W)	2.23m
Height (H)	2.39m
Weight	4.4t

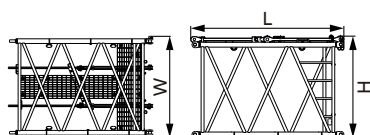
Note: Including auxiliary luffing mechanism and wire rope 1.15t

Transport Dimensions



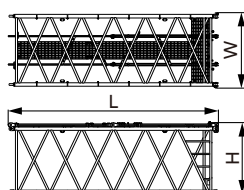
Boom top ×1

Length (L)	8.74m
Width (W)	2.11m
Height (H)	2.60m
Weight	2.5t



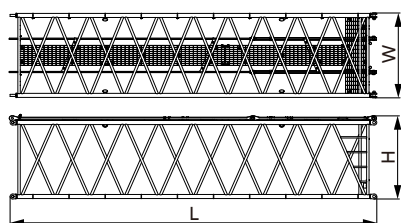
3m boom insert ×1

Length (L)	3.15m
Width (W)	2.21m
Height (H)	2.09m
Weight	0.6t



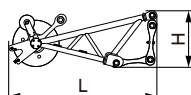
6m boom insert ×2

Length (L)	6.15m
Width (W)	2.21m
Height (H)	2.09m
Weight	1.0t



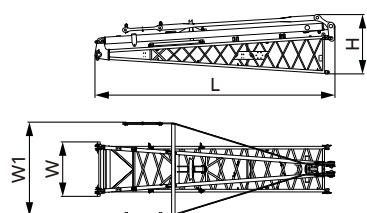
9m boom insert ×5

Length (L)	9.14m
Width (W)	2.21m
Height (H)	2.09m
Weight	1.5t



Boom runner ×1

Length (L)	1.96m
Width (W)	0.66m
Height (H)	0.75m
Weight	0.3t

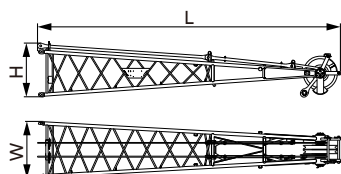


Fixed jib base with support rod ×1

Length (L)	5.24m
Width (W)	1.19m
Tapered pendant bar (W1)	2.05m
Height (H)	1.30m
Weight	0.9t

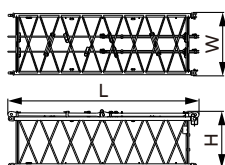
Note: The weight of the tapered pendant bar is 0.2t

Transport Dimensions



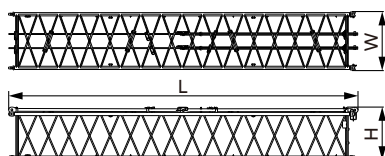
Fixed jib top ×1

Length (L)	5.41m
Width (W)	1.01m
Height (H)	0.96m
Weight	0.5t



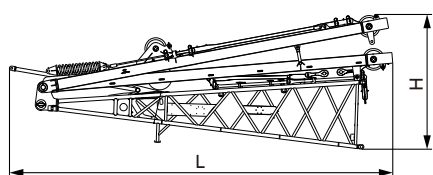
3m fixed jib insert ×1

Length (L)	3.12m
Width (W)	1.03m
Height (H)	0.92m
Weight	0.2t



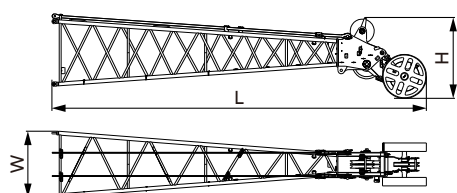
6m fixed jib insert ×3

Length (L)	6.12m
Width (W)	1.03m
Height (H)	0.92m
Weight	0.3t



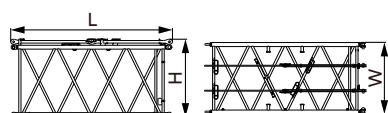
Luffing jib base with mast ×1

Length (L)	7.74m
Width (W)	1.83m
Height (H)	2.72m
Weight	3.7t



Luffing jib top with runner ×1

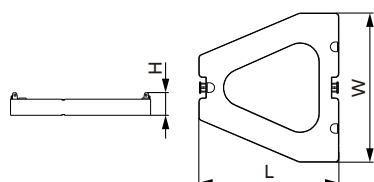
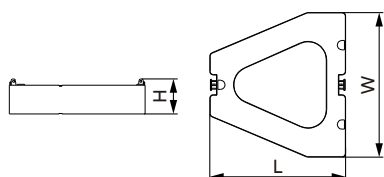
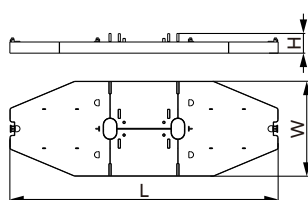
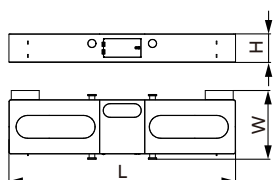
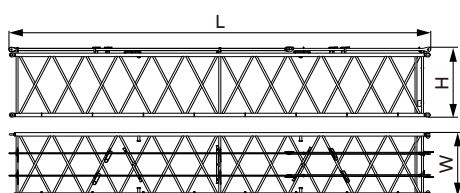
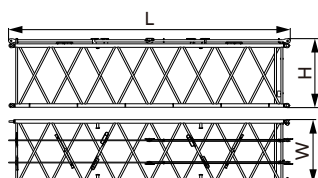
Length (L)	7.79m
Width (W)	1.38m
Height (H)	1.68m
Weight	0.9t



3m luffing jib ×2

Length (L)	3.12m
Width (W)	1.39m
Height (H)	1.50m
Weight	0.3t

Transport Dimensions



6m luffing jib × 1

Length (L)	6.12m
Width (W)	1.39m
Height (H)	1.50m
Weight	0.5t

9m luffing jib × 3

Length (L)	9.12m
Width (W)	1.39m
Height (H)	1.50m
Weight	0.7t

Carbody counterweight × 2

Length (L)	4.87m
Width (W)	1.49m
Height (H)	0.62m
Weight	10.0t

Rear counterweight tray × 1

Length (L)	6.52m
Width (W)	2.33m
Height (H)	0.49m
Weight	13.0t

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

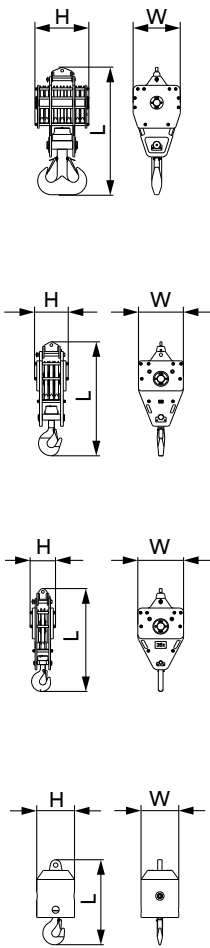
Rear counterweight 1 × 6

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



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.

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

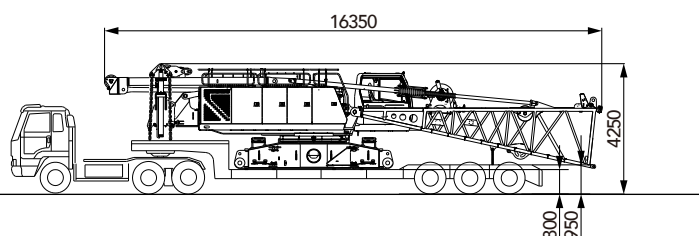
80t hook	×1
Length (L)	2.21m
Width (W)	0.91m
Height (H)	0.62m
Weight	1.9t

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

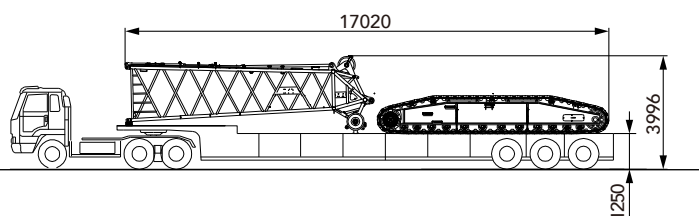
13.5t ball hook	×1
Length (L)	0.95m
Width (W)	0.43m
Height (H)	0.43m
Weight	0.5t

Transport Plan

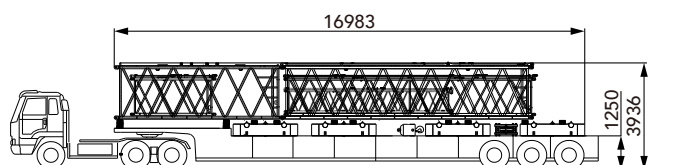
Trailer 1	
Part (s)	Basic Machine (with four winches, carbody assembly, A-frame, wire rope) Boom base
Transport weight	- Non-free fall: 36.0t - Single free fall: 36.7t - Double free fall: 37.4t



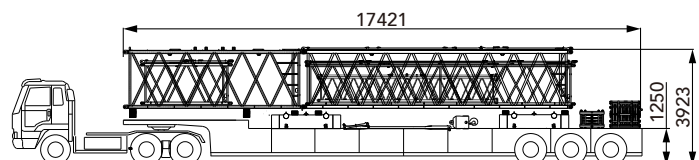
Trailer 2	
Part (s)	- Crawler frame × 1 - Boom top × 1 - Packing case × 1 - Boom outside top pendant bar × 1
Transport weight	17.5t



Trailer 3	
Part (s)	- Counterweight block 1 × 4 6m boom × 1 9m boom × 1 9m luffing jib × 1 3m luffing jib × 1 6m fixed jib × 1 6m boom outside top pendant bar × 1 9m boom outside top pendant bar × 1 35t hook × 1 13.5t ball hook × 1
Transport weight	29.7t

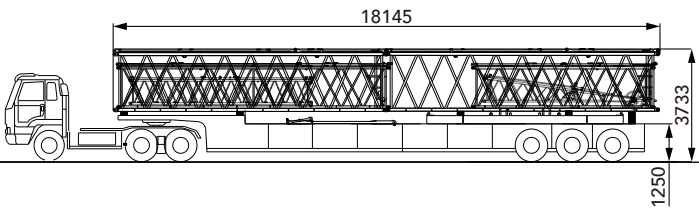


Trailer 4	
Part (s)	- Counterweight block 1 × 2 6m boom × 1 9m boom × 1 9m luffing jib × 1 3m luffing jib × 1 6m fixed jib × 1 6m boom outside top pendant bar × 1 9m boom outside top pendant bar × 1 80t hook × 1 150t hook × 1
Transport weight	20.9t

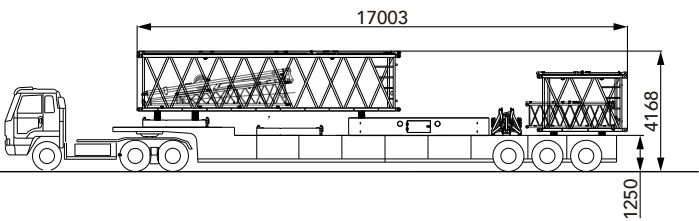


Transport Plan

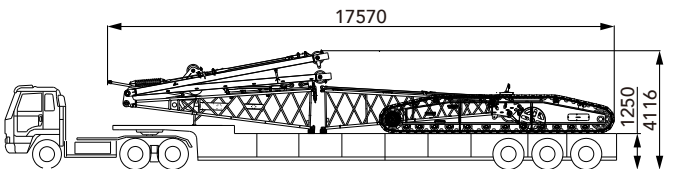
Trailer 5	
Part (s)	▪ 9m boom × 2 ▪ 9m luffing jib × 1 ▪ 6m fixed jib × 1 ▪ Rear counterweight × 1 ▪ 9m boom outside top pendant bar × 2
Transport weight	▪ 18.2t



Trailer 6	
Part (s)	▪ 3m boom × 1 ▪ 9m boom × 1 ▪ 6m luffing jib × 1 ▪ 3m fixed jib insert × 1 ▪ Fixed jib base with support rod × 1 ▪ Fixed jib top × 1 ▪ 3m boom outside top pendant bar × 1 ▪ 9m boom outside top pendant bar × 1 ▪ Carbody counterweight × 2 ▪ Rear counterweight × 2 ▪ Boom runner × 1
Transport weight	▪ 30.6t



Trailer 7	
Part (s)	▪ Crawler frame × 1 ▪ Luffing jib top with runner × 1 ▪ Luffing jib base with mast × 1
Transport weight	▪ 18.6t





SCS1500A
SANY Crawler Crane Southeast Asia
150 Tons Lifting Capacity

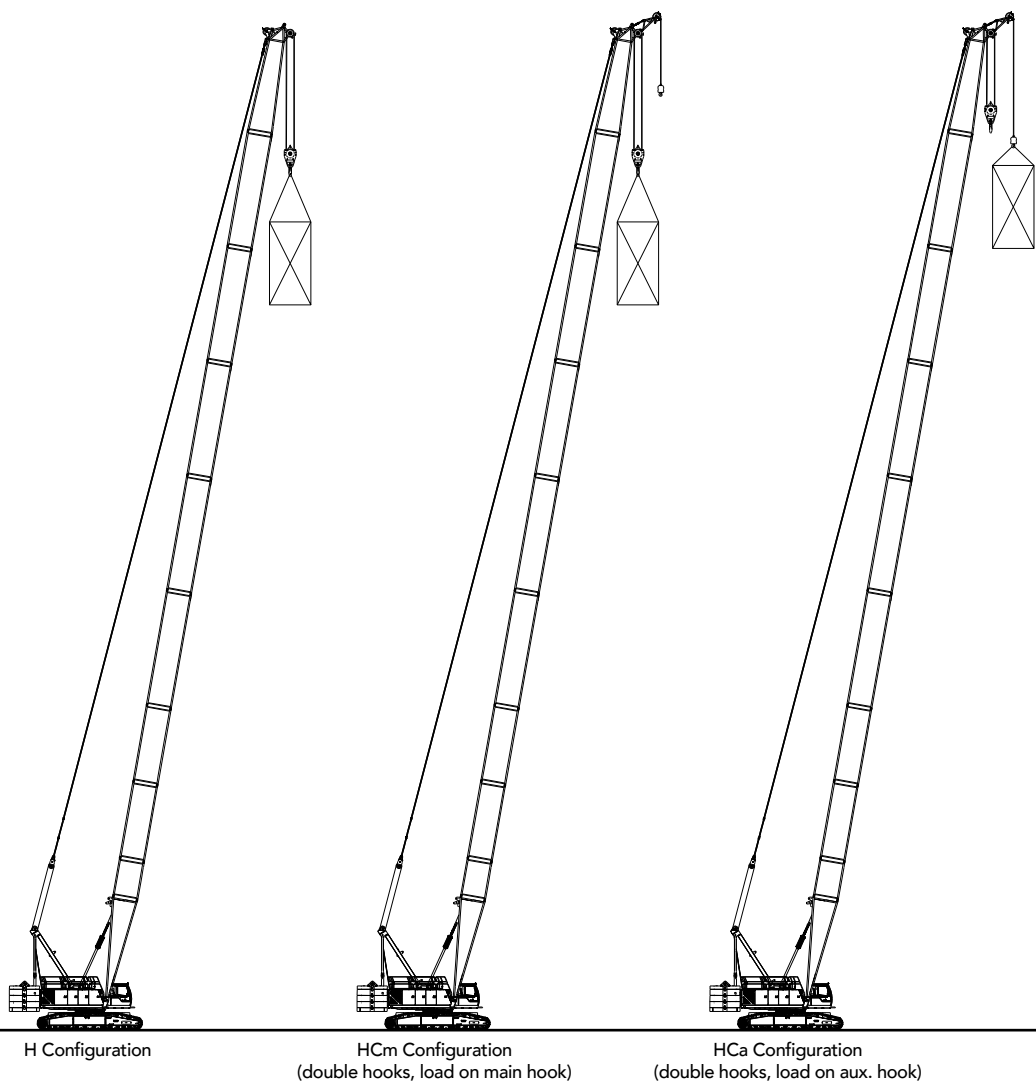
QUALITY CHANGES THE WORLD

Configurations

- Page 20 Combination
- Page 23 H Configuration
- Page 31 FJ Configuration
- Page 41 LJ Configuration

> 19

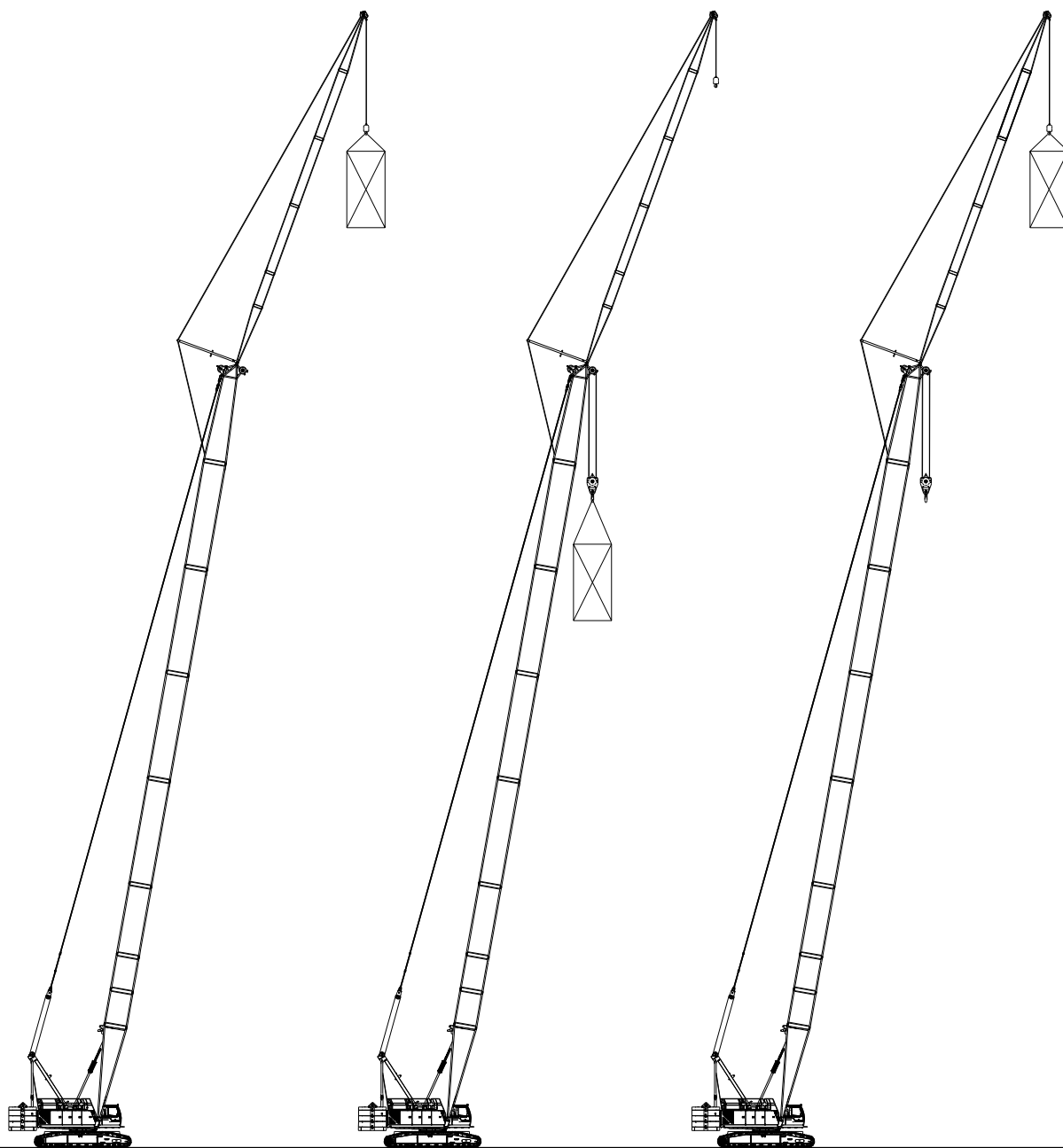
Combination



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

Note: The schematics above are reference for loading only.

Combination



FJ Configuration
(single hook)

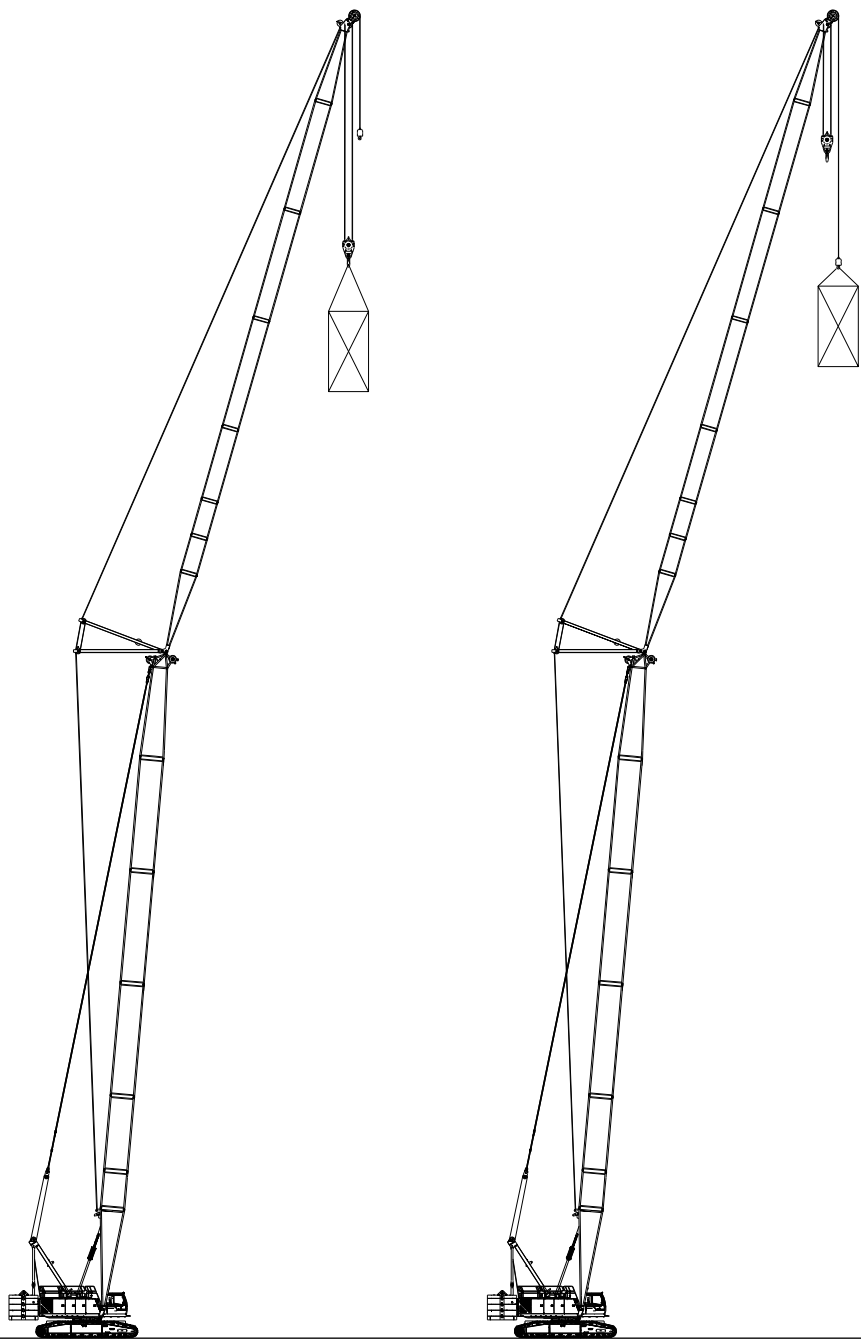
FJm Configuration
(double hooks, load on main hook)

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)	(28m~64m)+(13m~31m)
FJa	Boom + Fixed Jib (double hooks, load on aux. hook)	(28m~64m)+(13m~31m)

Note: The schematics above are reference for loading only.

Combination



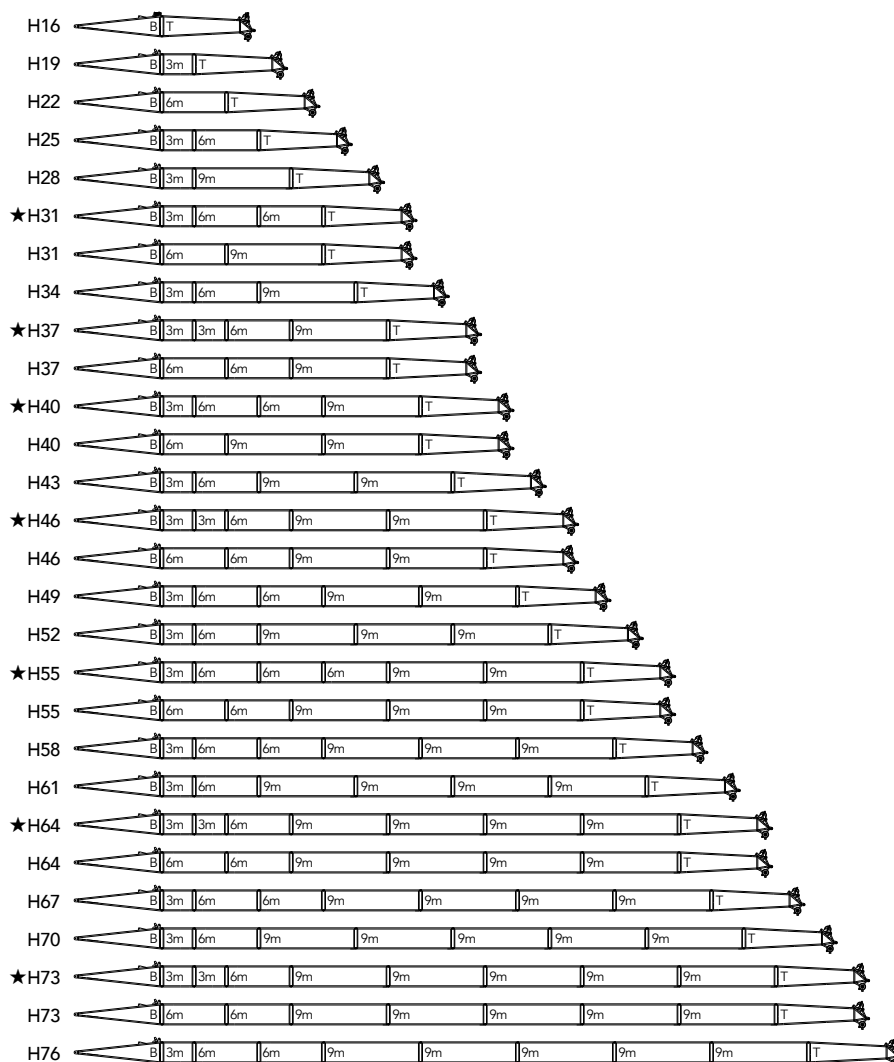
LJ Configuration
(double hooks, load on luffing jib hook)

LJa Configuration
(double hooks, load on luffing jib runner hook)

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)	(22m~52m)+(22m~52m)

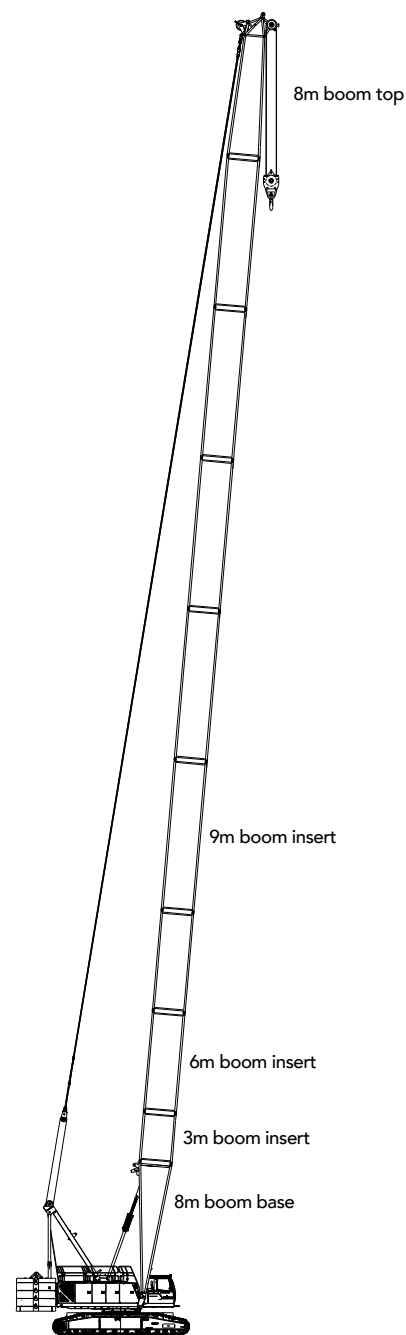
Note: The schematics above are reference for loading only.

Boom Combination in H



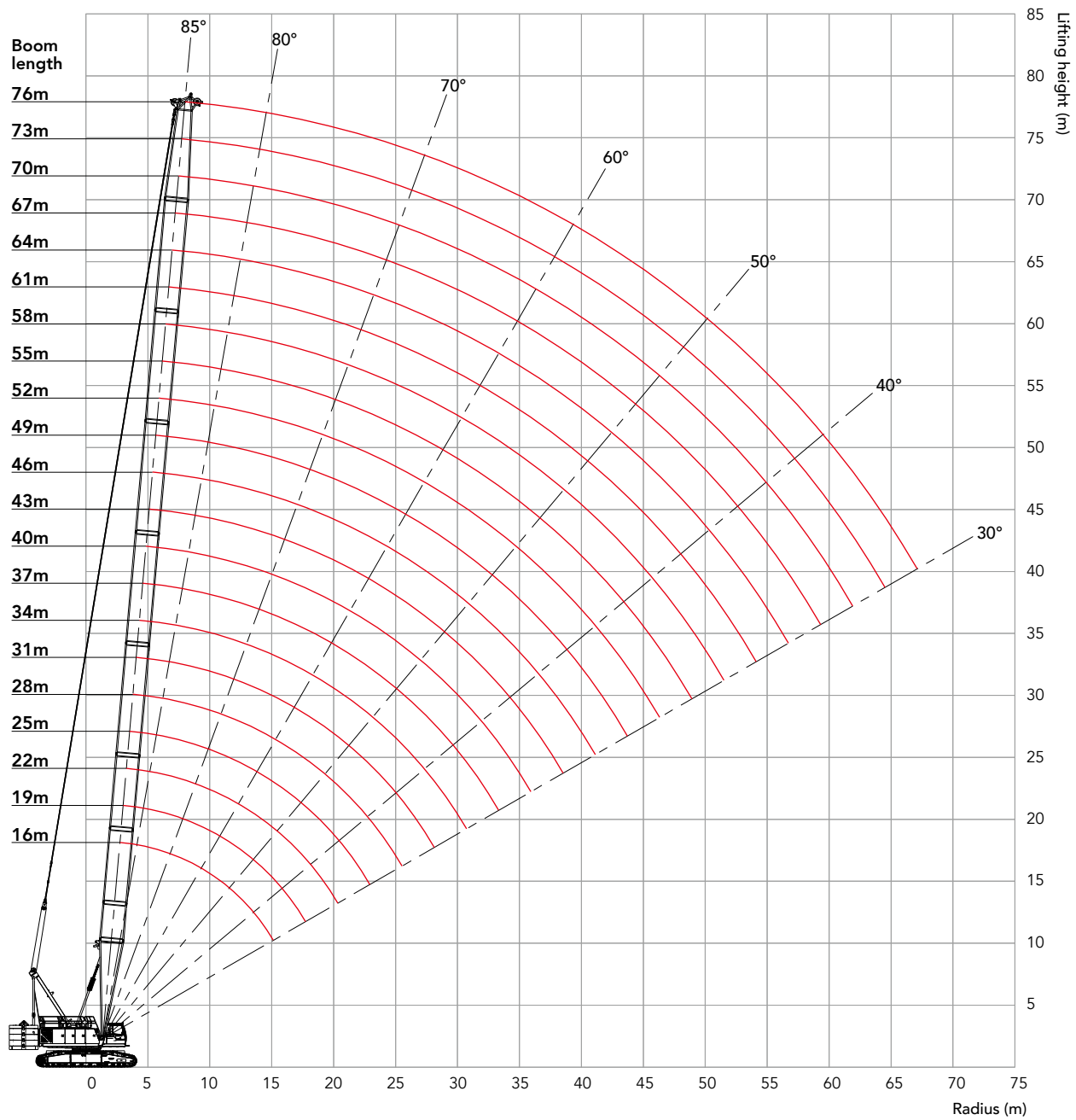
Note: The boom combinations with "★" are recommended for purchasing.

	8m	Boom base
	8m	Boom top
	3m	3m boom insert
	6m	6m boom insert
	9m	9m boom insert



H Configuration
(16m~76m)

Working Range of H



Load Chart of H Configuration

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 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. 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 1/6																
With 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

Load chart - H 2/6																
With 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

Load chart - H 3/6														
With 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

Load chart - H 4/6												
With 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

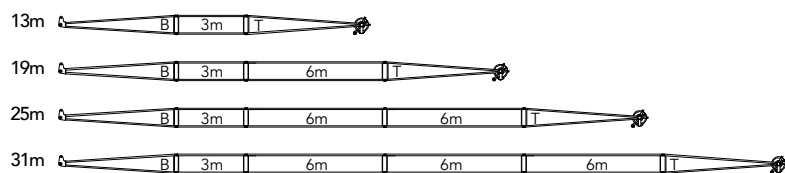
Load Chart of H Configuration

Load chart - H 5/6										
With 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

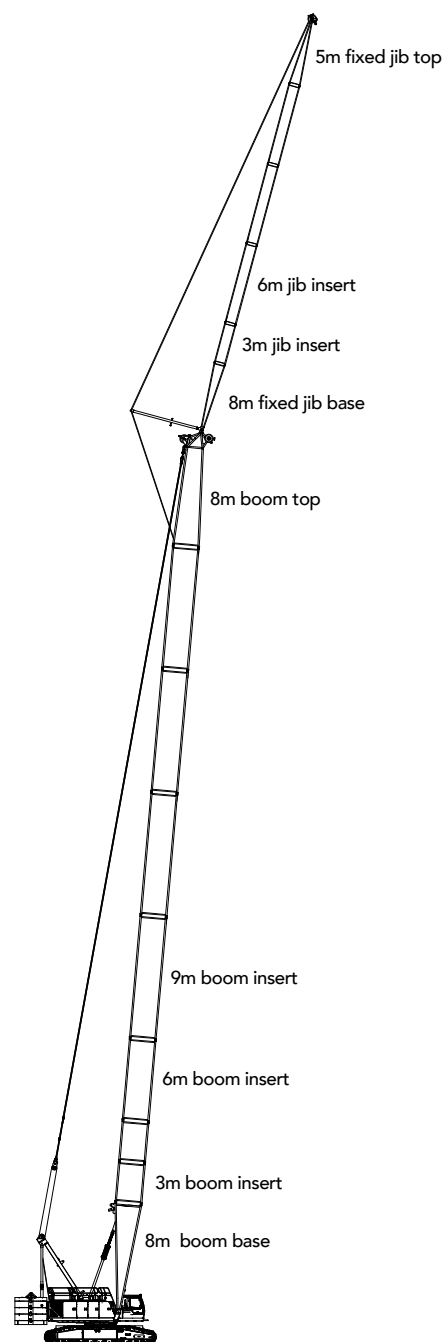
Load Chart of H Configuration

Load chart - H 6/6										
With 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

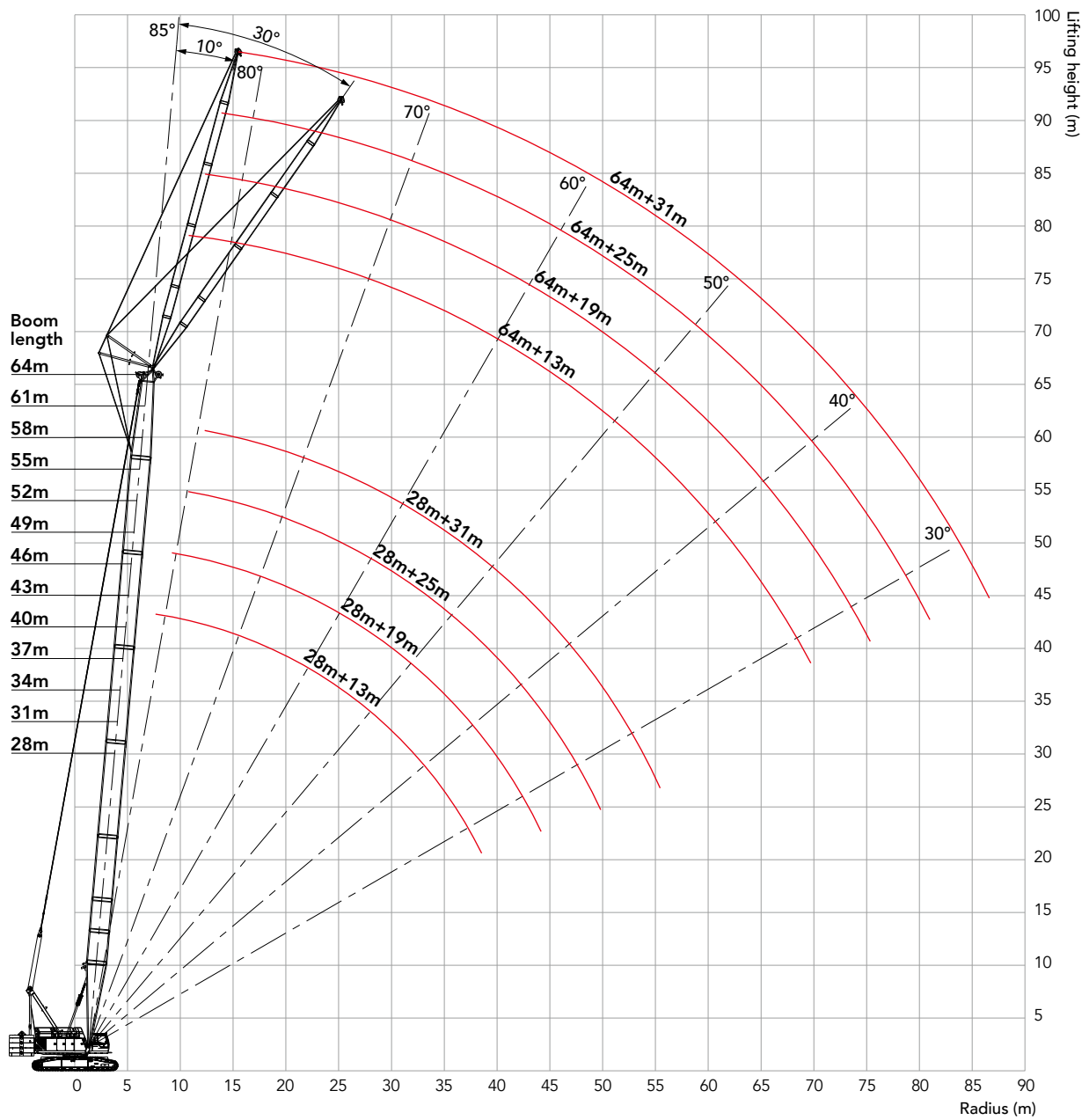


	5m	Fixed jib base
	5m	Fixed jib top
	3m	3m jib insert
	6m	6m jib insert



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

Working Range of FJ



Load Chart of FJ Configuration

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 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. 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- FJ (13m jib, boom to jib angle 10°)

With aux. hook, without main hook														
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

Load chart- FJ (19m jib, boom to jib angle 10°)														
With aux. hook, without main hook														
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

Load chart- FJ (25m jib, boom to jib angle 10°)														
With aux. hook, without main hook														
Boom length Radius (m)	28	31	34	37	40	43	46	49	52	55	58	61	64	Boom length 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

Load chart- FJ (31m jib, boom to jib angle 10°)														
With aux. hook, without main hook														
Boom length Radius (m)	28	31	34	37	40	43	46	49	52	55	58	61	64	Boom length 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	5.4	56
60			5.5	5.7	5.8	5.8	5.6	5.4	5.3	5.1	4.9	4.7	4.5	60
64					5.2	5.0	4.9	4.7	4.5	4.3	4.2	4.0	3.8	64
68						4.4	4.2	4.0	3.9	3.7	3.5	3.3	3.2	68
72								3.4	3.3	3.2	3.0	2.8	2.6	72
76									2.8	2.6	2.5	2.3	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

Load chart- FJ (13m jib, boom to jib angle 30°)														
With aux. hook, without main hook														
Boom length Radius (m)	28	31	34	37	40	43	46	49	52	55	58	61	64	Boom length 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

Load chart- FJ (19m jib, boom to jib angle 30°)														
With aux. hook, without main hook														
Boom length Radius (m)	28	31	34	37	40	43	46	49	52	55	58	61	64	Boom length 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

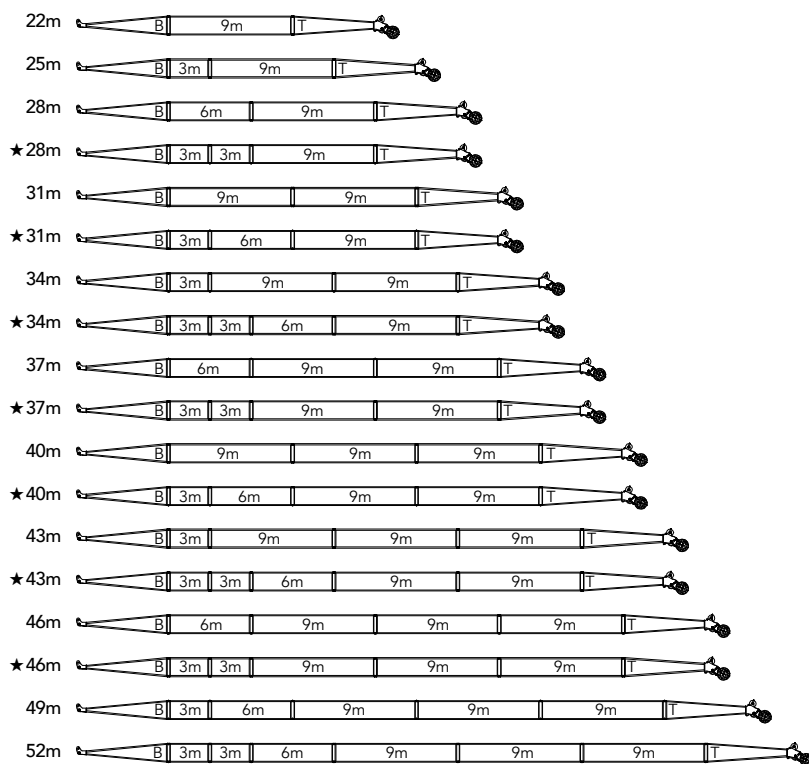
Load Chart of FJ Configuration

Load chart- FJ (25m jib, boom to jib angle 30°)														
With aux. hook, without main hook														
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

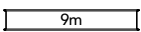
Load Chart of FJ Configuration

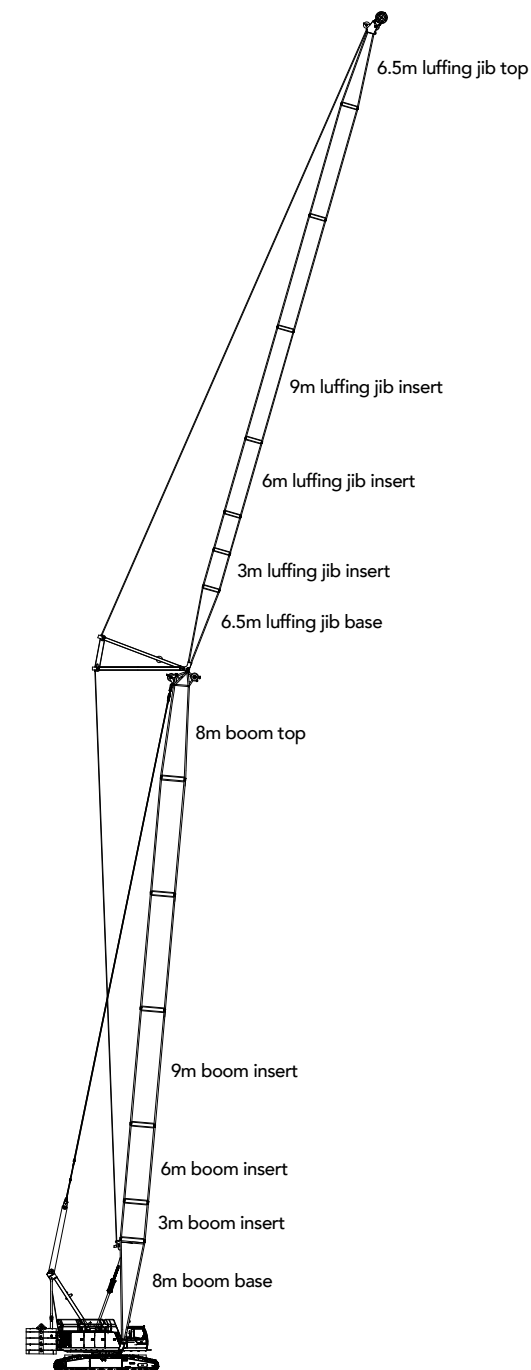
Load chart- FJ (31m jib, boom to jib angle 30°)														
With aux. hook, without main hook														
Boom length Radius (m)	28	31	34	37	40	43	46	49	52	55	58	61	64	Boom length Radius (m)
26	7.5	7.5	7.6											26
28	7.2	7.3	7.3	7.4	7.5	7.5								28
30	6.9	7.0	7.1	7.2	7.2	7.3	7.4	7.4	7.5					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



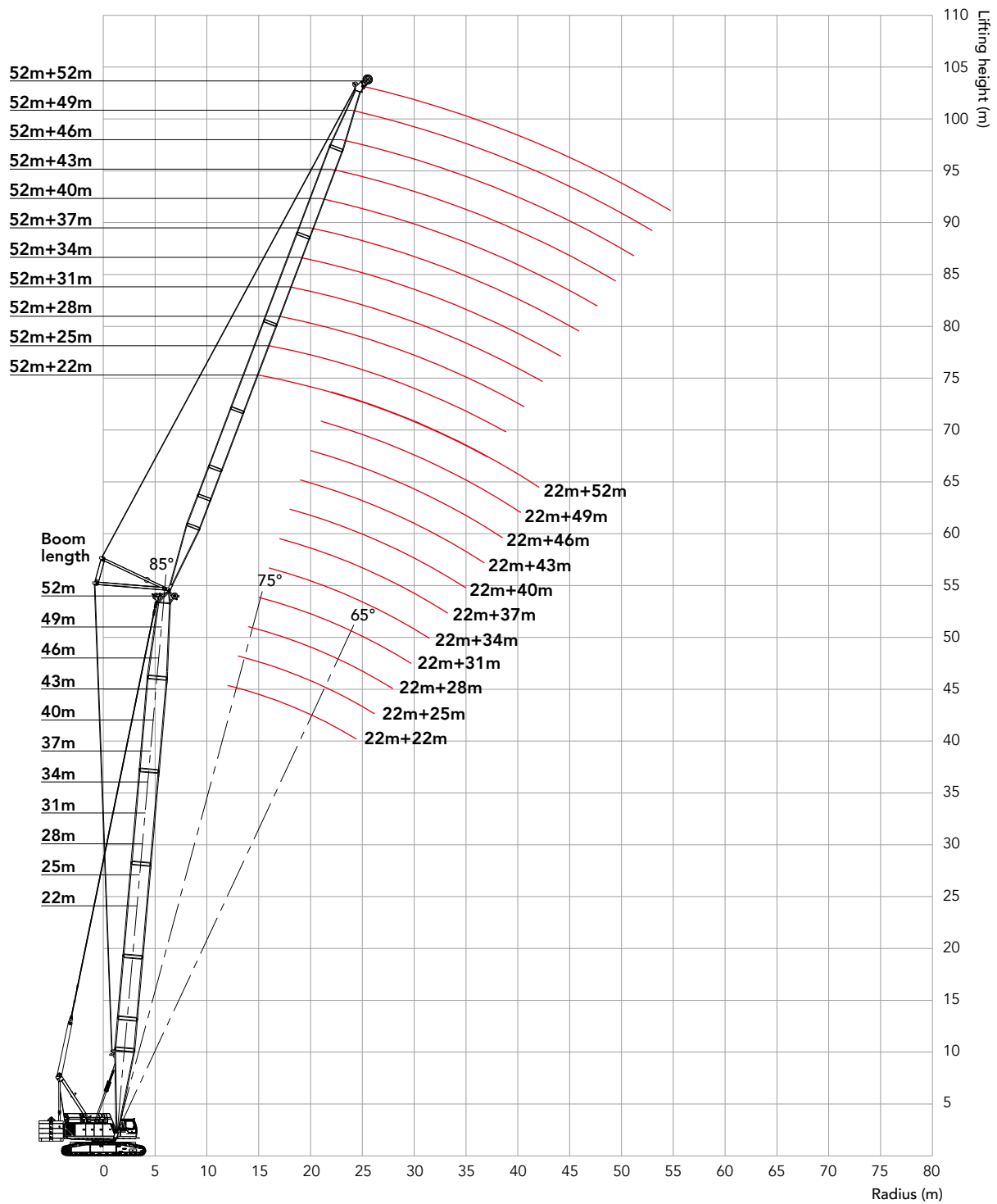
Note: The boom combinations with " ★ " are recommended for purchasing.

	6.5m Luffing jib base
	6.5m Luffing jib top
	3m Luffing jib insert
	6m Luffing jib insert
	9m Luffing jib insert



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

Working Range of LJ



Load Chart of LJ Configuration

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 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. 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 LJ configurations.

Load chart - LJ (load on luffing jib hook, with runner hook)												
Boom 22m, boom angle 85°												
Boom length Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length Radius (m)
12	36.2											12
13	34.6	32.7										13
14	33.1	31.4	28.4									14
15	31.6	30.1	27.4	25.1								15
16	28.8	28.9	26.5	24.3	21.9							16
17	26.2	26.9	25.4	23.4	21.3	18.0						17
18	24.3	24.9	24.4	22.6	20.7	17.8	15.0					18
19	22.5	23.2	23.2	21.8	20.0	17.6	14.7	12.5				19
20	20.8	21.6	21.7	20.9	19.4	17.3	14.5	12.3	10.4			20
22	18.3	19.0	19.2	18.2	17.9	16.1	14.1	11.9	10.0	8.5		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

Load chart - LJ (load on luffing jib hook, with runner hook)												
Boom 31m, boom angle 85°												
Boom length Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length Radius (m)
13	35.0											13
14	33.7	31.6										14
15	32.3	30.5	27.6									15
16	31.0	29.4	26.8	24.3								16
17	29.7	28.3	25.9	23.6	20.5							17
18	27.2	27.2	25.0	23.0	20.3	17.1						18
19	23.2	26.1	24.1	22.2	20.1	16.9	14.2					19
20	20.2	24.6	23.2	21.5	19.6	16.7	14.0	11.9				20
22	17.8	21.4	21.5	19.6	18.5	16.3	13.7	11.6	9.8			22
24	18.0	18.9	19.6	17.3	17.0	15.3	13.3	11.2	9.5	8.0		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

Load chart - LJ (load on luffing jib hook, with runner hook)												
Boom 40m, boom angle 85°												
Boom length Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length Radius (m)
14	33.2											14
15	32.0	30.0										15
16	30.9	29.1	26.2									16
17	29.8	28.2	25.6	22.2								17
18	28.8	27.4	24.8	22.1	18.7							18
19	27.7	26.4	24.0	21.9	18.5	15.7						19
20	25.2	25.4	23.3	21.5	18.4	15.6	13.3					20
22	21.8	23.0	21.7	20.3	18.1	15.3	13.0	11.0				22
24	19.1	20.4	20.4	18.2	17.4	15.0	12.7	10.8	9.1			24
26	15.2	18.1	18.5	16.1	15.9	14.4	12.4	10.5	8.8	7.5		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

Load chart - LJ (load on luffing jib hook, with runner hook)												
Boom 49m, boom angle 85°												
Boom length Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length Radius (m)
15	29.0											15
16	28.5	25.4										16
17	27.9	25.0	22.1									17
18	27.4	24.7	21.9	19.2								18
19	26.7	24.2	21.6	19.0	16.5							19
20	26.1	23.8	21.3	18.8	16.4	14.2						20
22	23.1	22.9	20.7	18.4	16.1	13.9	12.0					22
24	20.4	20.7	20.0	17.9	15.7	13.6	11.7	10.0				24
26	17.4	18.6	18.8	16.9	15.4	13.3	11.5	9.8	8.3			26
28		16.7	16.9	15.1	14.8	13.1	11.2	9.6	8.1	6.9		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

Load chart - LJ (load on luffing jib hook, with runner hook)												
Boom 52m, boom angle 85°												
Boom length Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length Radius (m)
15	26.8											15
16	26.3	23.7										16
17	25.7	23.2	20.7									17
18	25.2	22.9	20.5	18.1								18
19	24.6	22.5	20.2	17.9	15.7							19
20	24.1	22.1	19.9	17.7	15.6	13.6						20
22	22.9	21.2	19.3	17.3	15.3	13.3	11.5					22
24	20.4	20.3	18.6	16.8	14.9	13.0	11.3	9.7				24
26	18.2	18.4	17.9	16.3	14.6	12.8	11.1	9.5	8.1			26
28		16.7	17.0	15.3	14.2	12.5	10.8	9.3	7.9	6.7		28
30		13.5	15.3	13.8	13.5	12.2	10.6	9.1	7.7	6.5	5.5	30
32			13.5	12.5	12.2	11.8	10.3	8.9	7.5	6.4	5.3	32
34				11.3	11.1	10.9	10.1	8.7	7.3	6.2	5.1	34
36				10.3	10.1	10.1	9.3	8.4	7.1	6.0	5.0	36
38					9.2	9.4	8.7	7.8	7.0	5.8	4.8	38
40						8.6	8.0	7.2	6.5	5.6	4.6	40
44							6.6	6.1	5.4	4.8	4.1	44
48									4.5	3.9	3.3	48
52										3.1	2.6	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

Load chart - LJ (load on luffing jib hook, with runner hook)												
Boom 22m, boom angle 75°												
Boom length Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length 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

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

Boom 31m, boom angle 75°												
Boom length Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length 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 Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length 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

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

Boom 49m, boom angle 75°												
Boom length Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length 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 - LJ (load on luffing jib hook, with runner hook)

Boom 52m, boom angle 75°												
Boom length Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length Radius (m)
26	19.2											26
28	17.5	17.3	17.2									28
30	16.0	15.8	15.7	15.6								30
32	14.7	14.5	14.4	14.3	14.3	12.2						32
34	13.6	13.4	13.3	13.2	13.0	12.2	10.4					34
36	12.6	12.4	12.3	12.2	12.1	12.1	10.3	8.7	7.4			36
38		11.5	11.5	11.3	11.2	11.1	10.2	8.6	7.2	6.1		38
40			10.7	10.6	10.4	10.3	10.1	8.5	7.1	5.9	4.9	40
44				9.2	9.1	9.0	8.9	8.3	6.9	5.7	4.7	44
48					8.0	7.9	7.8	7.9	6.6	5.4	4.4	48
52							7.5	6.8	6.0	5.2	4.2	52
56								5.6	5.1	4.4	3.7	56
60										3.6	3.0	60
64											2.3	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

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

Boom 22m, boom angle 65°												
Boom length Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length 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 Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length 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

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

Boom 40m, boom angle 65°												
Boom length Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length 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 Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length 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

Load Chart of LJ Configuration

Load chart - LJ (load on luffing jib hook, with runner hook)												
Boom 52m, boom angle 65°												
Boom length Radius (m)	22	25	28	31	34	37	40	43	46	49	52	Boom length Radius (m)
38	9.6											38
40	8.9	8.7										40
44	7.8	7.6	7.5	7.3								44
48		6.7	6.6	6.4	6.3	6.2	6.0					48
52				5.7	5.5	5.4	5.3	5.1	5.0			52
56					4.9	4.8	4.6	4.5	4.3	4.1	3.1	56
60							4.1	3.9	3.8	3.6	3.0	60
64								3.4	3.3	3.2	2.8	64
68									2.9	2.8	2.5	68
72											1.8	72
Counterweight	55+20											Counterweight
Parts of line	1	1	1	1	1	1	1	1	1	1	1	Parts of line



Zhejiang Sany Equipment Co.,LTD

SANY Crawler Crane Industrial Park, No. 2188 Daishan Road, Wuxing District, Huzhou City,
Zhejiang Province, P. R. China Zip 313028
Consulting sanycrane@sanygroup.com (Crane BU) / crd@sany.com.cn (IHQ)
After-sales Service 0086-400 6098 318

Reminder:

Any change in the technical parameters and configuration due to product modification or upgrade may occur without prior notice.
The machine in the picture may include additional equipment. This brochure is for reference only, and goods in kind shall prevail.
Copyright at SANY. No part of this brochure may be copied or used for any purpose without written approval from SANY.

© Edited in April 2024

