ZOOMLION

ZOOMLION ZCC1000V CRAWLER CRANE

TECHNICAL SPECIFICATIONS

ZCC1000V/27Y

Zoomlion Heavy Industry Science & Technology Co.,Ltd.

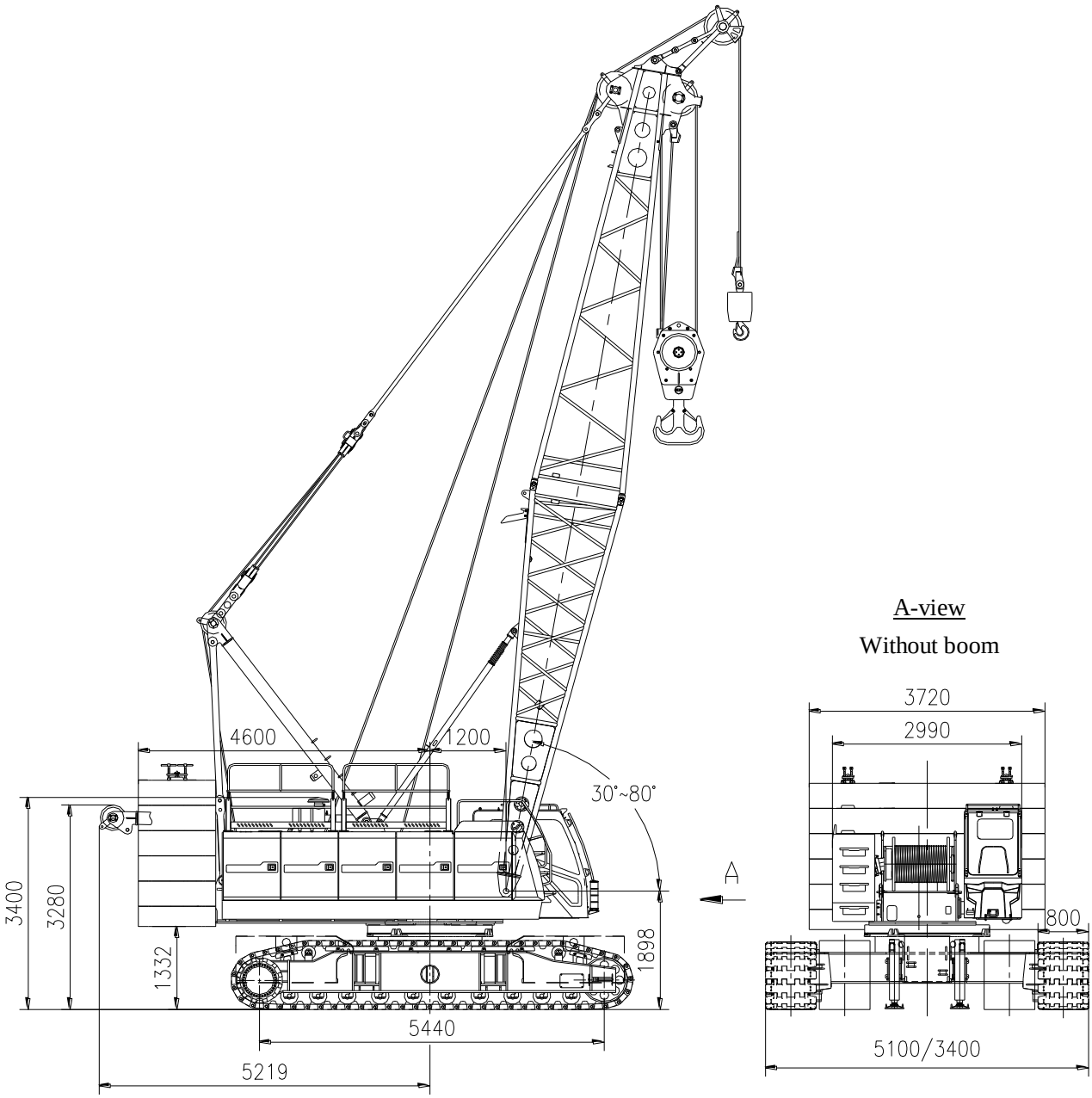
Zoomlion ZCC1000V Crawler Crane

Technical Specifications

ZCC1000V/27Y

1. Overall dimensions and major technical parameters

1.1. Overall dimensions of the crane



1.2. Major technical parameters

Major technical parameters

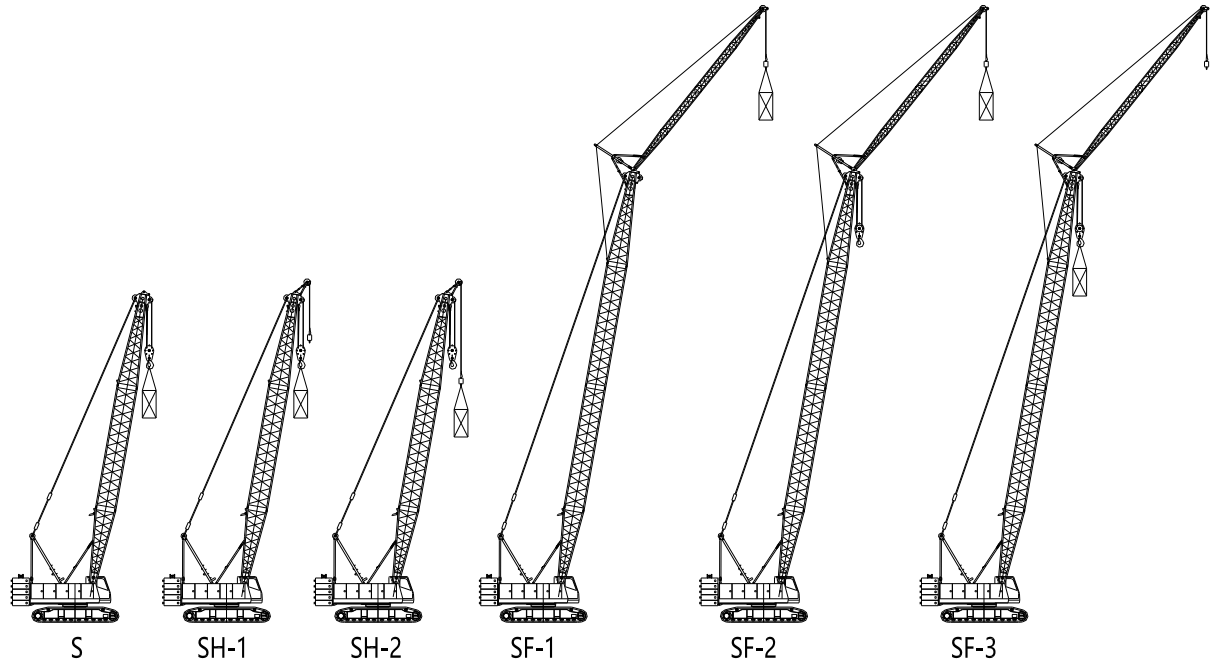
Items		Unit	Values	Notes
Max. lifting moment		t×m	425	
Max. lifting capacity		t	100	
Max. lifting capacity of fixed jib		t	12	
Main boom length		m	13～64	
Fixed jib length		m	7～19	
Max. length of main boom + fixed jib		m	52＋19	
Main boom angle		°	30～80	
Fixed jib angle		°	15，30	
Main hoisting winch		m/min	0～142	
Derricking winch		m/min	0～76	
Slewing speed		rpm	0～2.4	
Traveling speed		km/h	0～1.1	
Gradeability		%	30	
Dead weight of the whole crane		t	86.9	Basic boom with hook on
counterweight		t	34.5	
Overall dimensions L×W×H		mm	13300×5100(3400)×3400	With A-frame and pivot section
Engine	Model		WP7G270E301	
	Rated power/rotational speed	kW/rpm	199/2000	
	Max. output torque /rotational speed	Nm/rpm	1200/(1200～1500)	
	Emission standard	/	CHINA III for non-road mobile machinery	
Distance between two tracks × contact length of track × width of track pad		mm	2600×5440×800	Crawler carrier in
		mm	4300×5440×800	Crawler carrier out
Ground pressure		MPa	0.098	

Note:

1. The value of ground pressure is the mean value of the operating mode with the basic boom.

2. The actual maximum ground pressure is determined according to the actual operating mode.

1.3. Illustrations of operating modes



Code	Operating mode	Boom combination
S	Main boom	13m～64m
SH-1	Main boom + tip boom (main hook)	13m～61m
SH-2	Main boom + tip boom (auxiliary hook)	13m～61m
SF-1	Main boom + fixed jib (auxiliary hook, without main hook)	(31m～52m) + (7m～19m)
SF-2	Main boom + fixed jib (auxiliary hook, with main hook)	(31m～52m) + (7m～19m)
SF-3	Main boom + fixed jib (main hook)	(31m～52m) + (7m～19m)

1.4. Major technical features

✪ High efficiency

All operations can be synchronized with invariant speed

Rope speed of the outermost layer on hoisting winch: 142m/min;

Winch with free-falling hook is optional (for higher working efficiency)

✪ Optimized transport and assembly

Rapid assembly through self-erection without cylinder or A-frame;

Weight of a single counterweight plate ≤6t; counterweight plates can be assembled with a small auxiliary crane.

Extension-type tracks provide a maximum transport width of 3.4m/3.0m.

2. Technical instructions

2.1. Power unit

Engine model: Weichai WP7G270E301

Type: in-line 6-cylinder, intercooled and supercharged diesel engine

Displacement: 7.47L

Rated power: 199kW/2000r/min；

Maximum torque: 1200N.m/(1200～1500)r/min

Emission standard: CHINA III for non-road mobile machinery

Volume of fuel oil tank: 400L

2.2. Hydraulic system

Hydraulic-pilot and proportionally controlled series hydraulic system;

High-speed hydraulic motor drives planetary reducer to realize various operations;

The hydraulic system is highly efficient, energy-saving, safe and reliable, which provides smooth compound movements with no shock.

Heat dissipation power of oil cooler: 40kW

Volume of hydraulic oil tank: 520L

2.3. Electrical system

DC of 24V, negative ground, two storage batteries of 200AH;

Components of electrical system: power, engine system, load moment limiter, illumination system, safety control system, etc. Data communication between controller and controlled elements is provided through CAN bus.

The crane is equipped with a global position system (GPS/GPRS).

2.4. Hoisting mechanism

Both the main hoisting winch and the secondary hoisting winch are driven by an axial hydraulic variable-displacement piston motor through a built-in planetary reducer. Braking of the spring on winch motor is controlled by the balancing valve. The drum with a double-rope groove guarantees that rope of multiple layers will not intertwine together.

	H1	H2
Rated single rope tension	120kN (the 4th layer)	130kN (the 3rd layer)
Wire rope diameter	26mm	26mm
Wire rope length	240m	180m
Single rope speed	142m/min	132m/min

Free-fall hook is optional for both H1 and H2. The single rope tension reaches 12t (the 4th layer)

2.5. Derricking mechanism

The derricking winch is driven by an axial piston motor through a built-in planetary reducer and brakes through the spring on the motor end.

Cable drum lock: The winch is locked by ratchet wheel and ratchet pawl.

	Derricking mechanism
Rated single rope tension	64kN (the 6th layer)
Wire rope diameter	20mm
Wire rope length	155m
Single rope speed	76m/min

2.6. Slewing mechanism

The slewing mechanism is driven by an axial constant plunger hydraulic motor through a planetary reducer. Small gears on the output shaft drive the rotation of the gear ring of the slewing ring, which then drive the full slewing of 360°. Lateral tension on the boom can be effectively reduced by free slewing.

✪ Slewing ring

Single-row four-contactor roller-type slewing ring; internal gearing.

✪ Slewing brake

The slewing motor is equipped with a spring brake, which is controlled by balance valve.

✪ Slewing speed

The maximum slewing speed is 2.4 rpm.

2.7. Counterweight

Counterweight plates are piled up and locked by chains. The width of counterweight is 1.22m, which is convenient for transport.

Rear counterweight consists of five counterweight plates (34.5t in total). Central ballast consists of two ballast plates (9t in total).

2.8. Operator's cab

All-new operator's cab with artistic interior design; work light; rear-view mirrors; broad vision. A cold/warn air conditioner; a radio; a color display of 10.4''.

Control levers and buttons are designed according to the ergonomics.

✪ Armrest boxes

Both armrest boxes are equipped with various kinds of electrical switches and emergency-stop buttons and can be adjusted with the seat.

✪ Control lever and joystick

The cross-shaped pilot hydraulic joystick controls primary and secondary winches, slewing, and boom derricking.

Control levers for traveling (equipped with foot pedal) control traveling and steering of the whole machine.

✪ Air conditioner

Air conditioner, optimized air flue and air vent are standard configurations.

2.9. Traveling mechanism

✪ Undercarriage

An independent hydraulic driving system is fitted inside crawler carriers on both sides. Each hydraulic driving system has a hydraulic motor that drives the driving sprocket through planetary reducer.

Vertical outriggers are optional.

✪ Tracks

Retracting and extension of tracks are controlled by hydraulic cylinders. Tracks must be fully extended during operation. Track gauge (extended/retracted) is 4300mm/2600mm.

✪ Track roller

Maintenance-free enclosed structure.

✪ Track pad

High-strength alloy-cast steel track pad; the width is 800mm.

2.10. Safety devices

The crane is equipped with different types of safety and alarm devices, such as mechanical, electronic and hydraulic devices, that guarantee the safety of the machine.

✪ Load moment limiter

Main boom angle and load capacity will be automatically detected by load moment limiter, which gives a feedback according to the actual lifting condition that is to send out an alarm and limit the current movement when the normal working range of the crane is exceeded.

Information such as load moment percentage, main boom angle, main boom length, working radius, actual load capacity on the hook and permitted load capacity can be displayed on the screen as required.

✪ Limit on hoisting height

Limit switch and limiting weight fixed on boom end are used to prevent excessive hoisting of the hook. Limit switch will send out a signal when the hook is hoisted to a certain height to avoid excessive hoisting.

✪ Limit on main boom angle

When the main boom angle is 80°, the limit switch of the pivot section will be activated, the upward derricking will be cut off, and a sound-light signal will be sent out from the buzzer and the indicator light.

✪ Protective device for over-unwinding of rope

The protective device will send out a signal and cut off the movement of lowering the hook when there are only three circles of rope left on the drum. A sound-light signal will be also sent out from the buzzer and the indicator light in the operator’s cab.

✪ Tilting-back support for boom

A tilting-back support, used to avoid backward tilting of the boom, is composed of nested steel and spring.

✪ Slewing locking device

It is used to secure the superstructure and the undercarriage during transport. It must be unlocked during operation.

✪ Mousing on hook

A mousing is used to close off a hook to prevent a load from slipping off.

✪ Anemometer

With the electronic anemometer, real-time wind speed can be presented on the display.

✪ Aviation warning light

It is fixed on the top of the boom for warning in the upper air.

✪ Main boom angle indicator

Main boom angle indicator is fixed at the rear lower end of the pivot section. Operator is able to see the elevation angle of the boom clearly from the operator's cab.

✪ Rear-view mirror

One is located on the front left side of the cab and the other is on the handrail of the right hood.

✪ Automatic locking mechanism of ratchet wheel on the derricking winch

It is used to lock the derricking winch when the crane is stopped.

✪ Emergency stop button

Press this button to shut down the engine and cut off all movements in an emergency.

✪ Tri-color warning light

The warning light has three colors, red, yellow, and green. The loading condition of the crane can be displayed simultaneously. Green indicates that the load rate is below 90%; yellow indicates that the load rate ranges between 90% and 100%; red means that the load rate is beyond 100% and the crane is overloaded.

✪ Slewing alarm

It gives out a sound-light alarm during slewing.

✪ Traveling alarm

It gives out a sound-light alarm during traveling.

✪ Monitoring system (optional)

Camera and video displayer are optional, through which the real-time working condition of the hoisting winch and the blind area at the rear end of the crane can be monitored.

✪ Virtual wall (optional)

A preset safe slewing range avoids collision between the crane and the surroundings in a narrow space caused by misoperation of the operator.

✪ Wireless remote control (optional)

The basic machine can be remotely controlled by the operator to get on or off the flatbed trailer.

2.11. Boom system

✪ Main boom

Main boom length: 13m~64m;

Components of main boom: a pivot section of 6.5m, a head section of 6.5m, intermediate sections of 3m, 6m and 9m; a tip boom that can be assembled on the head adaptor.

✪ Fixed jib

Fixed jib length: 7m~19m;

Components of fixed jib: a pivot section of 3.5m, a head section of 3.5m, and an intermediate section of 4m.

Main boom length (with fixed jib on): 31m~52m.

2.12. Load hook

Five types of load hooks are available:

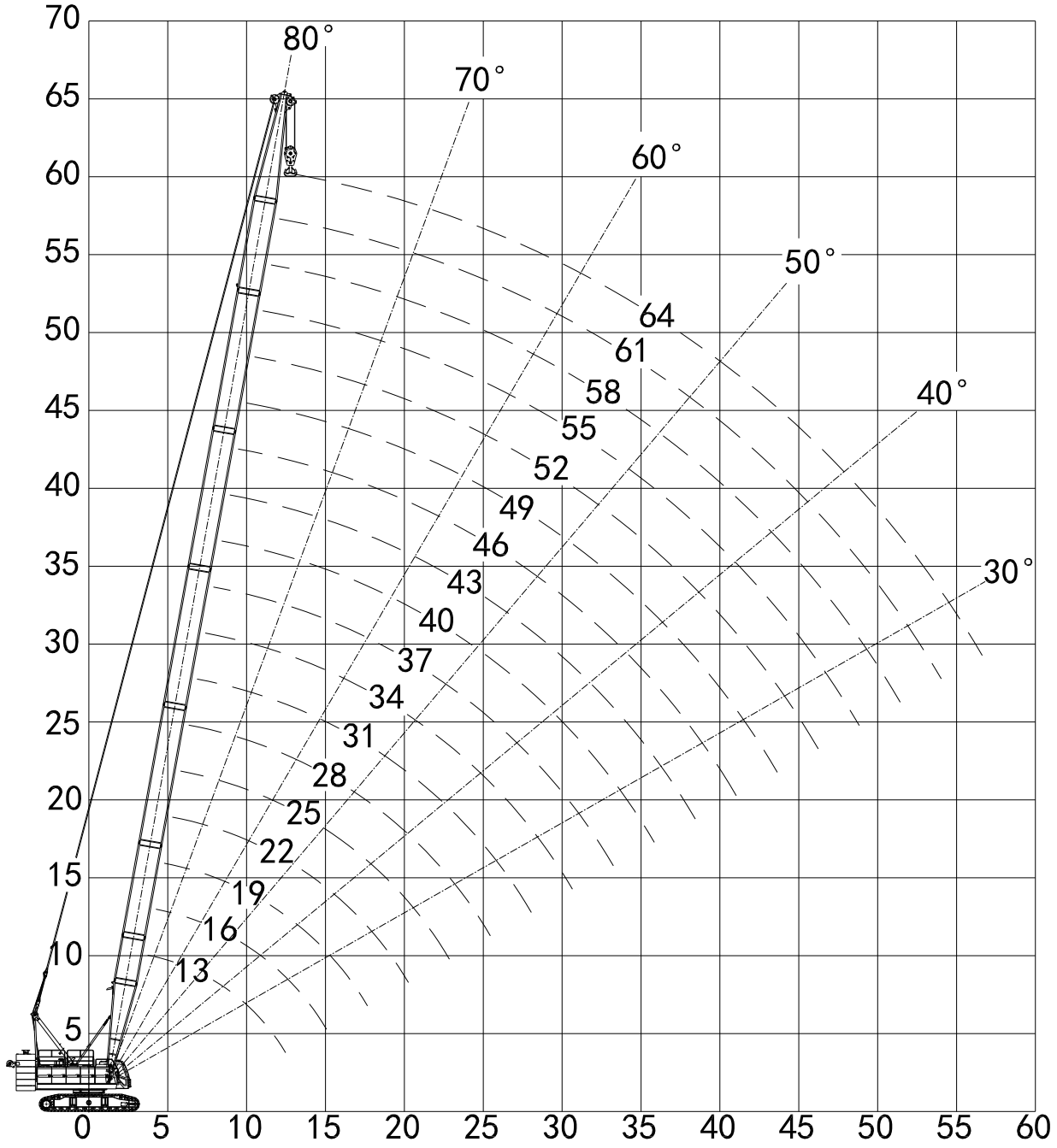
Specification of hook	Lifting capacity (Kg)	Number of pulleys
100 t	1630	5
80 t	1153	3
30 t	763	1
12 t	470	0

3. Working radius and lifting capacity charts

3.1. Main boom operating mode

Curves of hoisting height (S)

Unit: m



Curves of hoisting height (S)

Counterweight: 34.5t Central ballast: 9t Unit: t

Radius	Main boom length: 13~64m																	
m	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61	64
4	100																	
5	85	85																
6	67.4	67.4	65.2	63.9														
7	53.6	53.6	52.8	52	50.7	49.3												
8	43.8	43.8	43.8	43.8	43	42.4	41.6	40.3										
9	37.4	37.4	37.4	37.4	36.9	36.1	36.1	34.7	34.4	33.9								
10	32.6	32.1	32.1	32.1	32.1	32.1	31.3	31	30.5	30	29.2	28.4						
12	25.4	25.4	25.4	24.9	24.9	24.9	24.9	24.9	24.4	24.1	23.6	23.1	22.8	22.3	22	20.3		
14		21	20.7	20.7	20.7	20.2	20.2	20.2	20.2	19.8	19.3	19.3	18.8	18.5	18	17.5	17.2	16.1
16			17.5	17.2	17.2	17.2	17	16.7	16.7	16.7	16.7	16.4	15.9	15.7	15.4	15.1	14.6	14.3
18				14.9	14.9	14.6	14.6	14.6	14.3	14.3	14.1	14.1	13.8	13.6	13.3	13	12.8	12.5
20				13	13	12.8	12.8	12.5	12.5	12.5	12.3	12	12	12	11.6	11.3	11.1	10.8
22					11.5	11.3	11.1	11.1	10.8	10.8	10.6	10.6	10.3	10.3	10.1	9.8	9.8	9.5
24						10.1	9.8	9.8	9.8	9.5	9.5	9.3	9.3	9	9	8.8	8.5	8.4
26							9	8.8	8.7	8.5	8.5	8.2	8.2	8	8	7.7	7.7	7.4
28							8	8	7.9	7.7	7.6	7.4	7.4	7.2	7.1	6.9	6.9	6.7
30								7.2	7.1	6.9	6.9	6.7	6.6	6.4	6.4	6.3	6.1	5.9
32									6.4	6.4	6.3	6.1	5.9	5.9	5.7	5.6	5.5	5.3
34										5.8	5.6	5.5	5.4	5.3	5.1	4.9	4.9	4.8
36										5.3	5.1	4.9	4.9	4.8	4.6	4.4	4.4	4.3
38											4.7	4.6	4.4	4.3	4.1	4.1	3.9	3.8
40												4.1	4.1	3.9	3.8	3.6	3.4	3.4
42													3.6	3.6	3.4	3.3	3.1	2.9
44														3.3	3.1	2.9	2.8	2.6
46														2.9	2.8	2.6	2.6	2.4
48															2.6	2.4	2.2	2.1
50																2.1	2	1.8
52																	1.8	1.6
54																	1.6	1.4
56																		1.2

Attention:

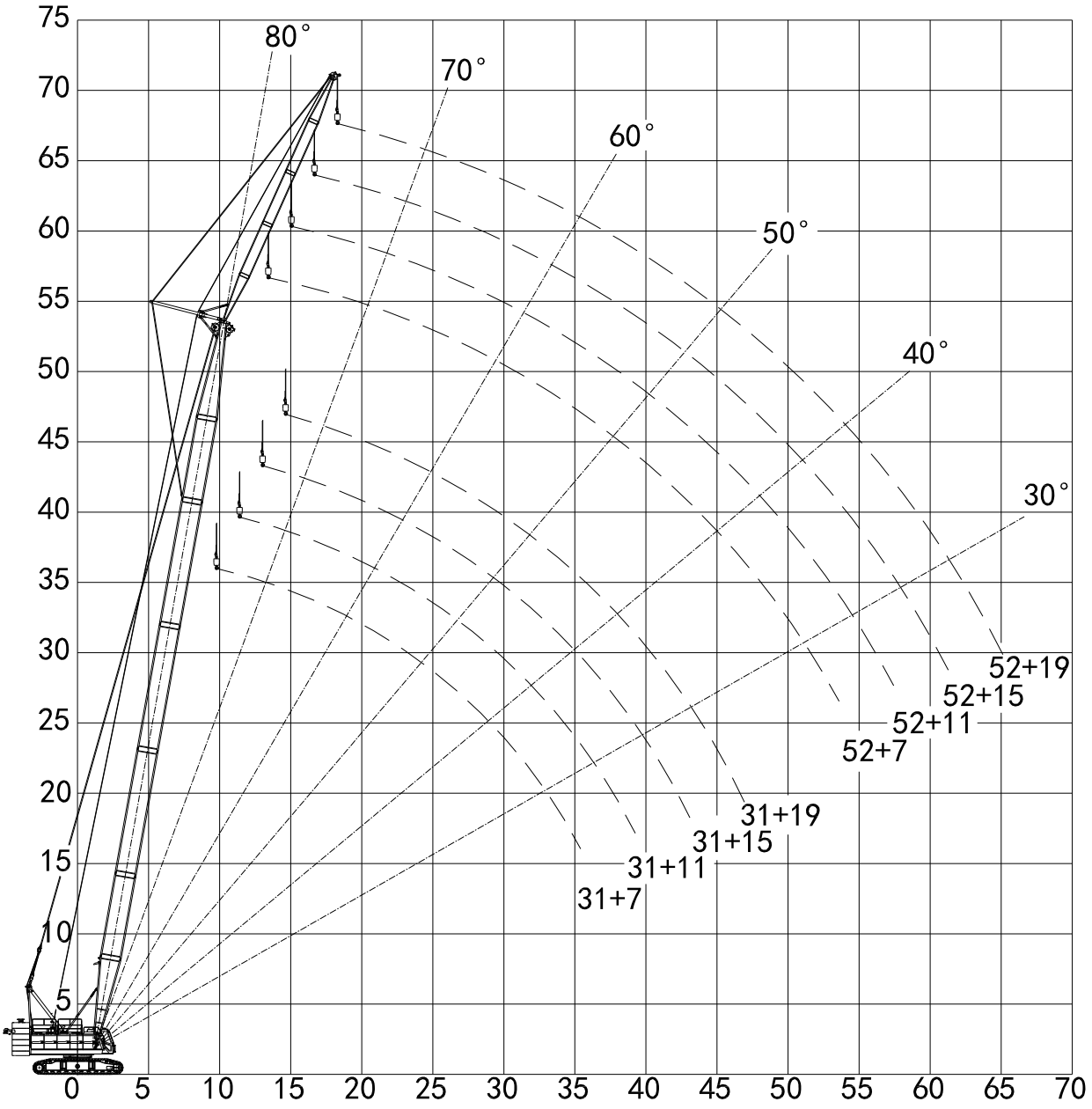
① Values in lifting capacity charts include the weight of sling and wire rope. The actual weight of load should be less than the value.

② Values in lifting capacity charts are provided on the basis of the fact that the ground is solid and flat and the load is freely suspended.

3.2. Fixed jib operating mode

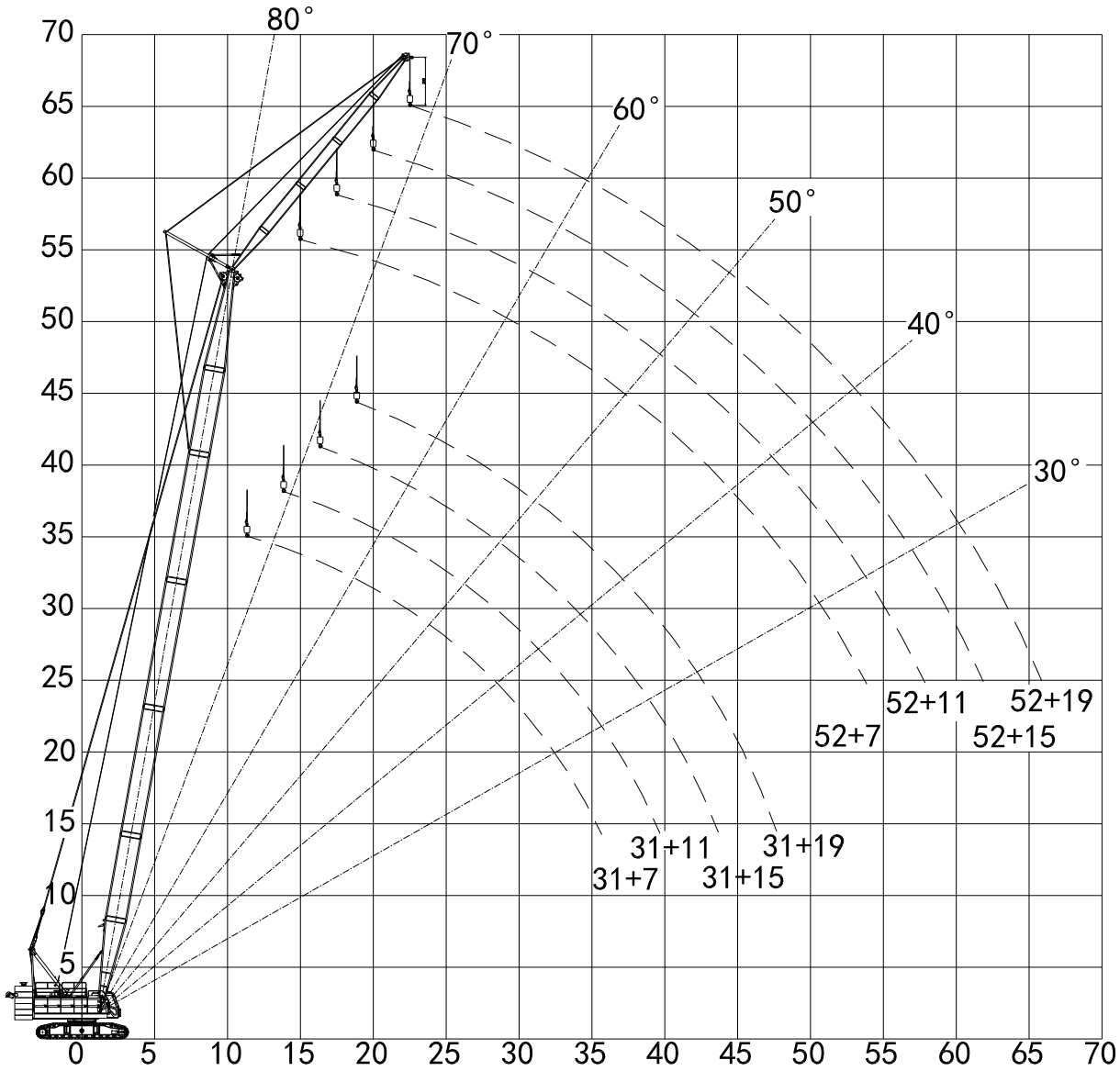
Curves of hoisting height (SF-1, SF-2), 15°

Unit: m



Curves of hoisting height (SF-1, SF-2), 30°

Unit: m



Lifting capacity chart (SF-1, 1/2)

Counterweight: 34.5t Central ballast: 9t Unit: t

Main boom	34								40							
Jib	7		11		15		19		7		11		15		19	
Angle	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°
11	12															
12	12	12	12						12							
14	12	12	12		12				12	12	12					
16	12	12	12	12	12		12		12	12	12	12	12			
18	12	12	12	11.9	12	9.1	11		12	12	12	12	12	9.3	11.6	
20	12	12	12	11.4	12	8.7	10.3	7	12	12	12	11.9	12	9	10.9	
22	10.7	10.9	10.9	10.9	11.2	8.3	9.7	6.7	10.5	10.7	10.7	10.9	10.9	8.6	10.2	6.9
24	9.6	9.6	9.6	9.8	9.8	8	9.1	6.4	9.2	9.4	9.4	9.6	9.6	8.3	9.6	6.6
26	8.5	8.5	8.7	8.8	8.8	7.7	8.6	6.1	8.2	8.3	8.3	8.5	8.5	8	8.7	6.4
28	7.7	7.7	7.8	7.8	7.8	7.4	8	5.9	7.4	7.4	7.4	7.7	7.7	7.7	7.7	6.1
30	6.7	6.9	7	7	7	7.2	7.3	5.7	6.6	6.6	6.7	6.9	6.7	7	7	5.9
32	6.1	6.2	6.3	6.3	6.3	6.6	6.5	5.5	5.9	5.9	6.1	6.2	6.1	6.3	6.3	5.7
34	5.5	5.7	5.7	5.8	5.8	5.9	5.9	5.3	5.3	5.4	5.5	5.5	5.5	5.8	5.7	5.6
36	5	5.2	5.3	5.3	5.3	5.4	5.4	5.2	4.8	4.8	5	5	5	5.3	5.2	5.4
38			4.7	4.8	4.8	5	4.9	5.1	4.3	4.3	4.5	4.6	4.6	4.7	4.7	4.8
40			4.3	4.3	4.5	4.5	4.5	4.6	3.9	3.9	4.1	4.2	4.2	4.3	4.3	4.5
42					4.1	4.1	4.2	4.2	3.6	3.6	3.8	3.8	3.8	3.9	3.9	4.1
44					3.8	3.8	3.8	3.9			3.4	3.4	3.5	3.5	3.5	3.7
46							3.5	3.5				3.1	3.1	3.2	3.2	3.3
48							3.2	3.2					2.8	2.9	2.9	3
50														2.6	2.7	2.8
52															2.4	2.5
54																2.3

Lifting capacity chart (SF-1, 2/2)

Counterweight: 34.5t Central ballast: 9t Unit: t

Main boom	46								52							
Jib	7		11		15		19		7		11		15		19	
Angle	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°
14	12	12	12						12							
16	12	12	12		12				12	12	12					
18	12	12	12	12	12		11.6		12	12	12	12	12			
20	11.7	11.9	11.7	12	11.7	9.2	11.3		11.2	11.3	11.3	11.7	11.3		11.3	
22	10.2	10.5	10.2	10.7	10.2	8.8	10.5	7.1	9.8	10.1	9.8	10.2	9.8	9.1	9.8	
24	8.9	9.2	9.2	9.6	9.2	8.6	9.2	6.8	8.7	8.9	8.8	8.9	8.8	8.8	8.8	6.9
26	8	8.1	8.1	8.5	8.3	8.2	8.3	6.5	7.7	7.8	7.8	8.1	7.8	8.1	7.8	6.7
28	7	7.3	7.3	7.4	7.4	7.7	7.4	6.3	6.7	7	7	7.3	7	7.4	7	6.5
30	6.3	6.3	6.5	6.7	6.6	6.9	6.7	6.1	6.1	6.2	6.2	6.5	6.3	6.6	6.3	6.3
32	5.7	5.7	5.8	5.9	5.9	6.2	6.1	6	5.4	5.5	5.5	5.8	5.7	5.9	5.7	6.1
34	5	5.2	5.3	5.4	5.3	5.5	5.5	5.7	4.8	5	5	5.2	5.2	5.4	5.2	5.5
36	4.6	4.6	4.7	4.8	4.8	5	4.8	5.2	4.3	4.3	4.5	4.6	4.6	4.8	4.6	5
38	4.2	4.2	4.2	4.3	4.3	4.6	4.5	4.7	3.9	3.9	4	4.2	4.2	4.3	4.2	4.5
40	3.8	3.8	3.8	3.9	3.9	4.1	4.1	4.2	3.5	3.5	3.6	3.8	3.7	3.9	3.8	4.1
42	3.3	3.4	3.5	3.5	3.5	3.7	3.7	3.9	3.1	3.1	3.2	3.3	3.2	3.5	3.4	3.7
44	3	3	3.1	3.2	3.2	3.3	3.2	3.5	2.8	2.8	2.8	3	3	3.1	3.1	3.2
46	2.7	2.7	2.8	2.8	2.9	3	3	3.1	2.4	2.4	2.6	2.7	2.7	2.8	2.8	2.9
48			2.5	2.6	2.6	2.7	2.7	2.8	2.2	2.2	2.3	2.3	2.4	2.5	2.4	2.7
50			2.3	2.3	2.3	2.4	2.4	2.6	1.9	1.9	2	2.1	2.1	2.2	2.2	2.3
52					2.1	2.2	2.2	2.3	1.7	1.7	1.8	1.8	1.9	1.9	1.9	2.1
54					1.9	1.9	1.9	2			1.6	1.6	1.7	1.8	1.8	1.8
56							1.8	1.8			1.3	1.3	1.4	1.5	1.5	1.6
58							1.5	1.6					1.2	1.2	1.3	1.4
60													1.1	1.1	1.1	1.2

Attention:

① Values in lifting capacity charts include the weight of sling and wire rope. The actual weight of load should be less than the value.

② Values in lifting capacity charts are provided on the basis of the fact that the ground is solid and flat and the load is freely suspended.

Lifting capacity chart (SF-2, 1/2)

Counterweight: 34.5t Central ballast: 9t Unit: t

Main boom	34								40							
Jib	7		11		15		19		7		11		15		19	
Angle	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°
11	12															
12	12	12	12						12							
14	12	12	12		12				12	12	12					
16	12	12	12	12	12		12		12	12	12	12	12			
18	12	12	12	11.9	12	9.1	11		12	12	12	12	12	9.3	11.6	
20	11.3	11.3	11.6	11.4	11.7	8.7	10.3	7	10.9	11.3	11.3	11.7	11.6	9	10.9	
22	9.6	9.8	10.1	10.2	10.2	8.3	9.7	6.7	9.4	9.6	9.8	10.2	10.1	8.6	10.2	6.9
24	8.5	8.5	8.8	8.9	8.9	8	9.1	6.4	8.1	8.3	8.5	8.8	8.8	8.3	8.9	6.6
26	7.4	7.4	7.7	7.8	7.8	7.7	8.1	6.1	7	7.3	7.4	7.7	7.7	8	7.8	6.4
28	6.5	6.6	6.7	7	7	7.3	7.3	5.9	6.1	6.3	6.5	6.7	6.7	7	7	6.1
30	5.7	5.8	5.9	6.1	6.2	6.5	6.3	5.7	5.4	5.5	5.7	5.9	5.9	6.3	6.1	5.9
32	5	5.2	5.3	5.5	5.5	5.8	5.7	5.5	4.7	4.8	5	5.3	5.3	5.5	5.4	5.7
34	4.5	4.5	4.7	4.8	5	5.2	5.2	5.3	4.2	4.2	4.5	4.6	4.6	4.8	4.8	5.3
36	3.9	3.9	4.2	4.3	4.3	4.6	4.6	4.8	3.7	3.8	3.9	4.1	4.2	4.3	4.3	4.6
38			3.8	3.8	3.9	4.1	4.1	4.3	3.2	3.2	3.4	3.5	3.7	3.8	3.8	4.1
40			3.2	3.3	3.5	3.7	3.7	3.9	2.8	2.8	3	3.1	3.2	3.4	3.4	3.7
42					3.1	3.2	3.2	3.5	2.4	2.4	2.7	2.7	2.8	3	3	3.2
44					2.8	2.8	2.9	3.1			2.3	2.3	2.4	2.6	2.7	2.8
46							2.6	2.7				2	2.2	2.3	2.3	2.5
48							2.3	2.4					1.9	1.9	2	2.2
50														1.7	1.8	1.9
52															1.5	1.6
54																1.3

Lifting capacity chart (SF-2, 2/2)

Counterweight: 34.5t Central ballast: 9t Unit: t

Main boom	46								52							
Jib	7		11		15		19		7		11		15		19	
Angle	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°
14	12	12	12						12							
16	12	12	12		12				12	12	12					
18	12	12	12	12	12		11.6		11.7	12	11.9	12	12			
20	10.7	10.9	10.9	11.3	10.9	9.2	11.2		10.1	10.2	10.2	10.9	10.2		10.7	
22	9.2	9.4	9.4	9.8	9.6	8.8	9.6	7.1	8.8	8.9	8.9	9.4	8.9	9.1	9.2	
24	7.8	8.1	8.1	8.5	8.3	8.6	8.5	6.8	7.4	7.8	7.7	8.1	7.8	8.5	8.1	6.9
26	6.7	7	7	7.4	7.4	7.8	7.4	6.5	6.6	6.7	6.7	7.2	6.9	7.4	7	6.7
28	5.9	6.1	6.1	6.6	6.3	6.9	6.6	6.3	5.7	5.9	5.9	6.3	6.1	6.6	6.1	6.5
30	5.2	5.3	5.4	5.7	5.7	6.1	5.9	6.1	4.8	5	5.2	5.5	5.3	5.7	5.5	6.1
32	4.5	4.6	4.7	5	5	5.3	5.2	5.7	4.2	4.3	4.5	4.7	4.7	5.2	4.8	5.3
34	3.9	3.9	4.2	4.3	4.3	4.6	4.6	5	3.7	3.8	3.9	4.2	4.2	4.5	4.3	4.7
36	3.4	3.5	3.7	3.8	3.8	4.2	4.1	4.3	3.1	3.2	3.4	3.5	3.5	3.9	3.8	4.2
38	2.8	3	3.1	3.2	3.4	3.7	3.5	3.9	2.7	2.8	2.8	3.1	3.1	3.4	3.2	3.7
40	2.4	2.6	2.7	2.8	2.9	3.1	3.1	3.4	2.2	2.3	2.4	2.7	2.7	3	2.8	3.2
42	2.2	2.2	2.3	2.4	2.6	2.7	2.7	3	1.9	1.9	2.1	2.3	2.3	2.5	2.4	2.8
44	1.8	1.8	2	2.1	2.2	2.4	2.3	2.6	1.5	1.6	1.8	1.9	1.9	2.2	2.1	2.4
46	1.5	1.5	1.7	1.8	1.9	2	2	2.3	1.2	1.3	1.4	1.5	1.7	1.8	1.8	2
48			1.4	1.5	1.6	1.8	1.8	1.9	1.1	1.1	1.2	1.2	1.3	1.5	1.5	1.8
50			1.2	1.2	1.3	1.4	1.5	1.7			1	1.1	1.1	1.2	1.2	1.4
52					1.1	1.2	1.2	1.3						1	1.1	1.2
54						1	1.1	1.2								1

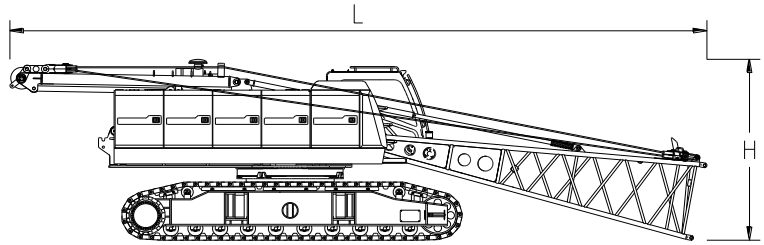
Attention:

① Values in lifting capacity charts include the weight of sling and wire rope. The actual weight of load should be less than the value.

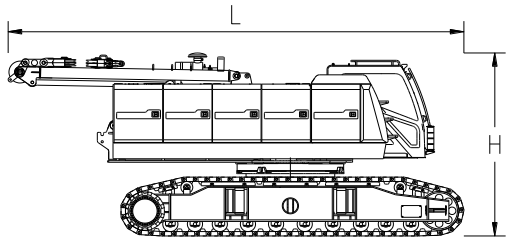
② Values in lifting capacity charts are provided on the basis of the fact that the ground is solid and flat and the load is freely suspended.

4. Dimensions and weights of major components in transport

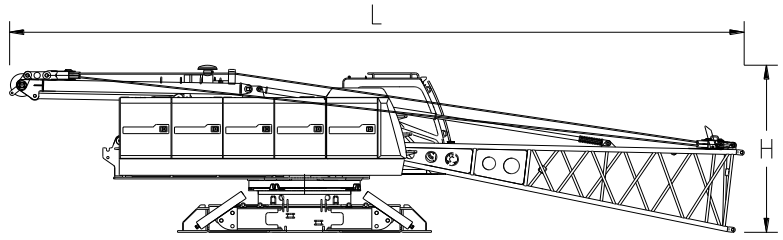
Basic machine (with pivot section and tracks)		1 piece
	L mm	13000
	W mm	3400
	H mm	3400
	Weight kg	42230



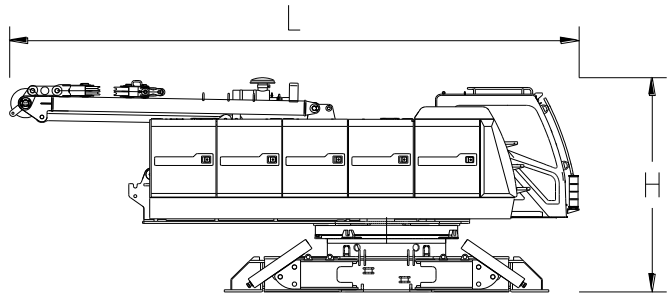
Basic machine (with tracks but without pivot section)		1 piece*
	L mm	8430
	W mm	3400
	H mm	3400
	Weight kg	39250



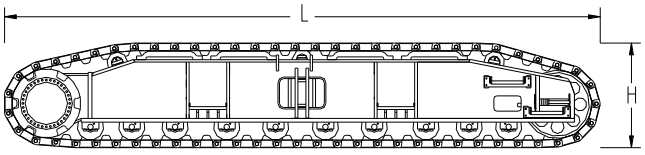
Basic machine (with pivot section but without tracks)		1 piece*
	L mm	13000
	W mm	3000
	H mm	2980
	Weight kg	25070



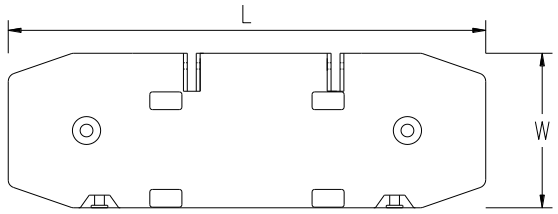
Basic machine (without pivot section and tracks)		1 piece*
	L mm	7900
	W mm	3000
	H mm	2980
	Weight kg	23920



Crawler carrier assy.		2 pieces
	L mm	6340
	W mm	1060
	H mm	1110
	Weight kg	8580

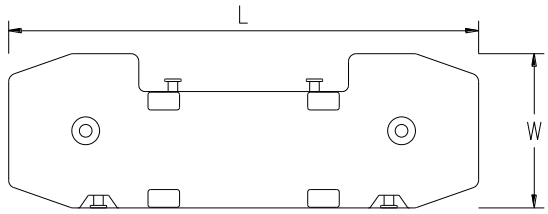


Counterweight base — 1 piece



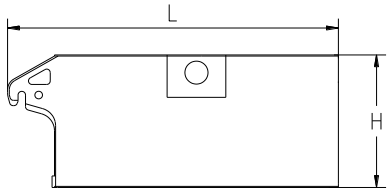
L	mm	3720
W	mm	1220
H	mm	320
Weight	kg	4500

Counterweight plate — 5 pieces



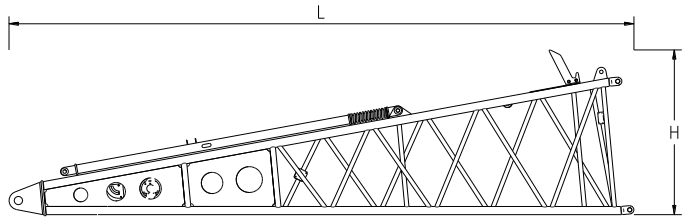
L	mm	3720
W	mm	1220
H	mm	400
Weight	kg	6000

Central ballast — 2 pieces



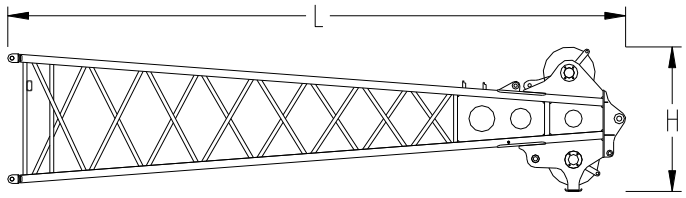
L	mm	1860
W	mm	730
H	mm	750
Weight	kg	4500

Main boom pivot section — 1 piece*



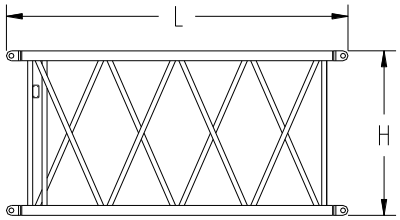
L	mm	6685
W	mm	1690
H	mm	1790
Weight	kg	1150

Main boom head — 1 piece



L	mm	7130
W	mm	1690
H	mm	1675
Weight	kg	1250

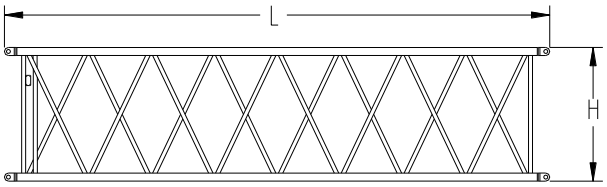
Main boom intermediate section of 3m — 1 piece*



L	mm	3090
W	mm	1690
H	mm	1500
Weight	kg	310

Main boom intermediate section of 6m

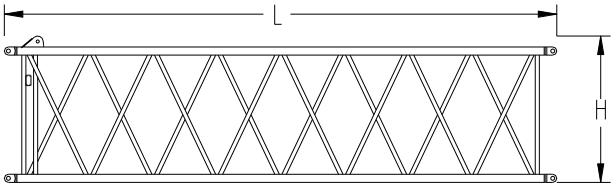
1 piece*



L	mm	6090
W	mm	1690
H	mm	1500
Weight	kg	540

Main boom intermediate section A of 6m

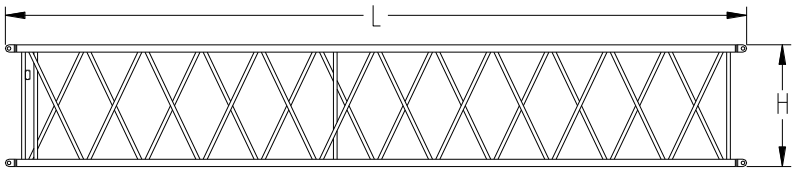
1 piece*



L	mm	6090
W	mm	1690
H	mm	1610
Weight	kg	545

Main boom intermediate section of 9m

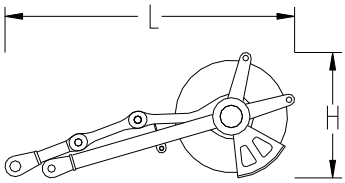
4 pieces*



L	mm	9090
W	mm	1690
H	mm	1500
Weight	kg	775

Tip boom

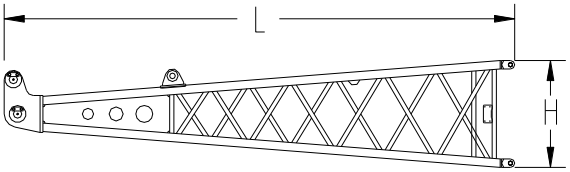
1 piece



L	mm	1550
W	mm	700
H	mm	670
Weight	kg	205

Fixed jib pivot section

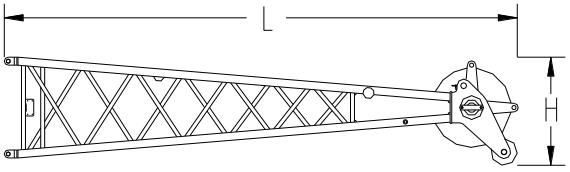
1 piece*



L	mm	3630
W	mm	960
H	mm	760
Weight	kg	190

Fixed jib head

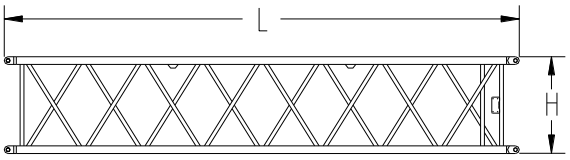
1 piece*



L	mm	3875
W	mm	960
H	mm	760
Weight	kg	280

Fixed jib intermediate section of 4m

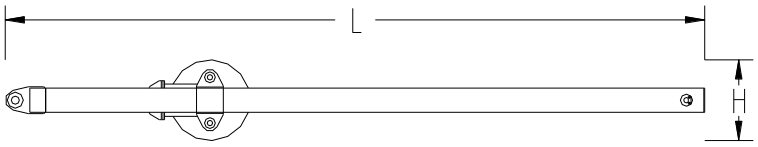
3 pieces*



L	mm	4060
W	mm	960
H	mm	760
Weight	kg	165

FA-frame

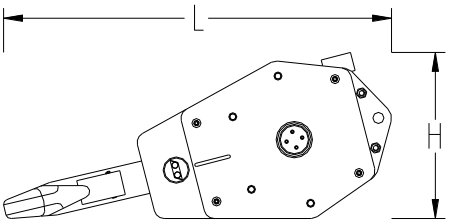
1 piece*



L	mm	5210
W	mm	640
H	mm	600
Weight	kg	445

Load hook for 100t

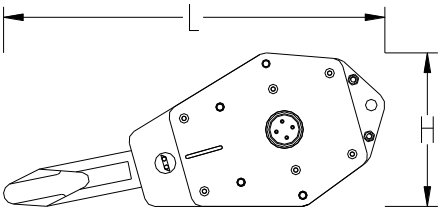
1 piece*



L	mm	1925
W	mm	845
H	mm	820
Weight	kg	1630

Load hook for 80t

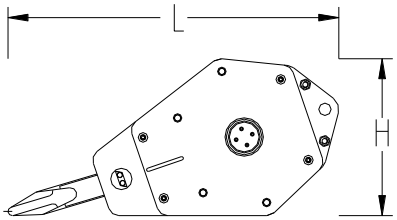
1 piece*



L	mm	1905
W	mm	660
H	mm	730
Weight	kg	1153

Load hook for 30t

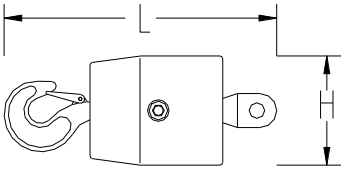
1 piece*



L	mm	1550
W	mm	550
H	mm	740
Weight	kg	763

Load hook for 12t

1 piece*



L	mm	965
W	mm	385
H	mm	385
Weight	kg	470

Notes:

1. Figures in the above table are schematic diagrams that are not drawn in fixed proportions. Dimensions shown are general boundary dimensions.

2. Packaging weight is not included. Weights might be different from what are listed in the above table due to manufacturing error.

3. Dimensions of actual products shall prevail if dimensions and weights differ from what are listed above due to parts improvement.

4. Number of parts marked with * are determined by actual needs.