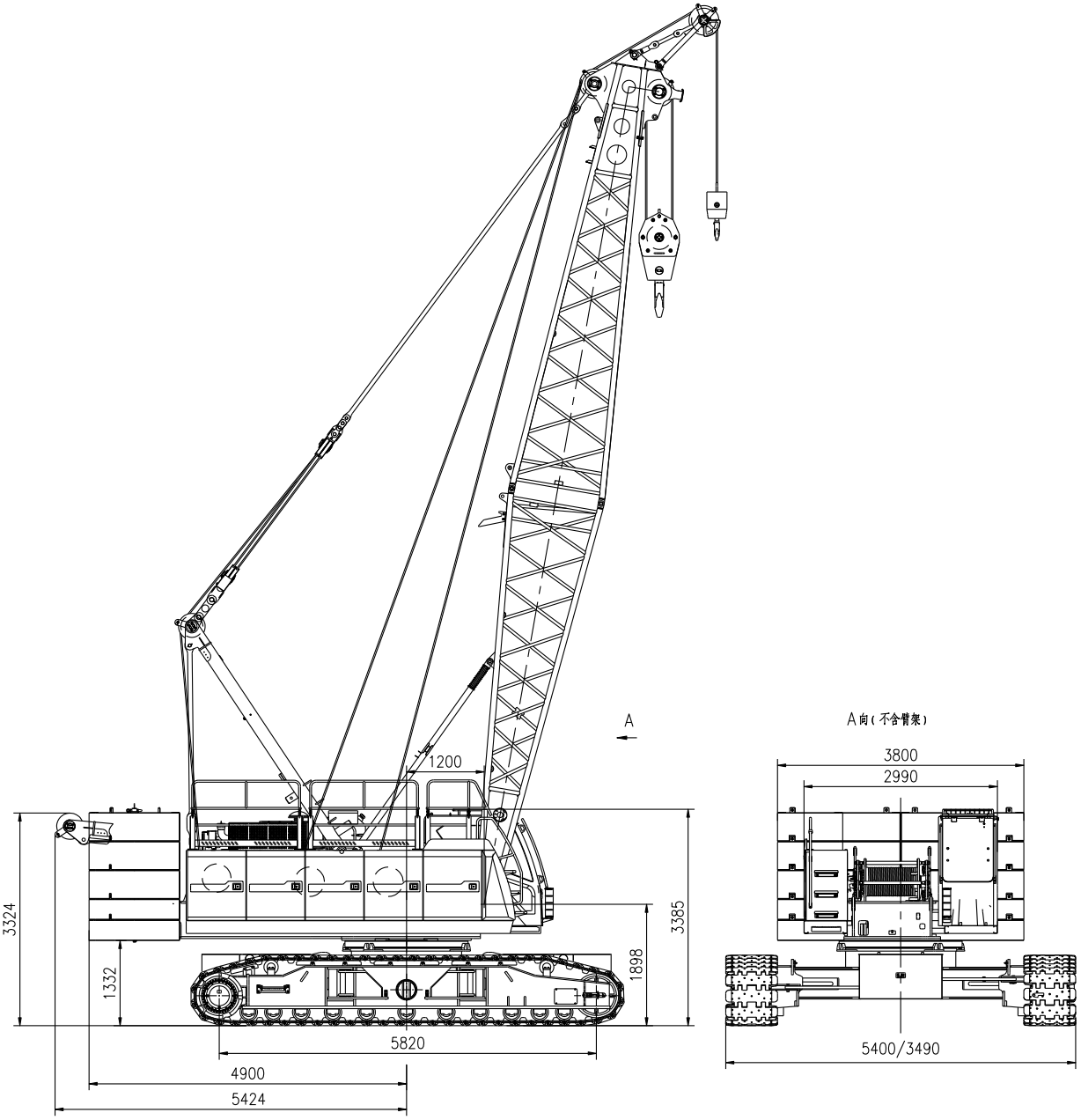
1. Overall dimensions and major technical parameters

1. 1. Overall dimensions of the crane



1. 2. **Major technical parameters**

Major technical parameters

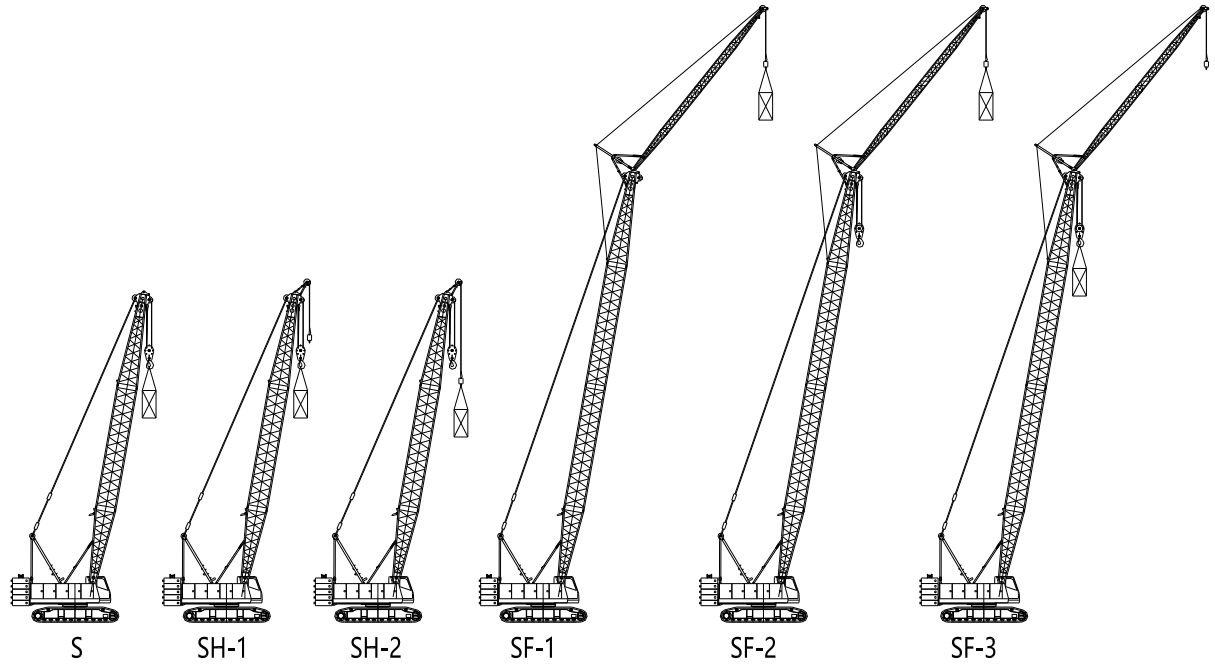
Item		Unit	value		Notes
Max. lifting moment		t·m	412		
Max. lifting capacity		t	100		
Max. lifting capacity of fixed jib		t	15		
Main boom length		m	13~61		
Fixed jib length		m	7~19		
Longest main boom + fixed jib		m	49＋19		
Main boom angle		°	30~82		
Fixed jib angle		°	10, 30		
Main hoisting winch		m/min	0~140		
Derricking winch		m/min	0~76		
Slewing speed		r/min	0~2.5		
Crawling speed		km/h	0~1		
Gradeability		％	30		
Dead weight of the whole crane		t	82		Basic boom with hook on
Counterweight		t	32		
Overall dimensions L×W×H		mm	13200×5400(3490)×3390		With A-frame and main boom pivot section
Engine	Model	/	WP7G270E301	YCA07260-T300	
	Rated power / rotational speed	kW/r/min	199/2000	191/2200	
	Operational power / rotational speed	kW/r/min	199/2000	200/2000	
	Max. output torque / rotational speed	N·m/r/min	1200/(1200 ～ 1500)	1050/(1600 ～ 1800)	
	Emission standard	/	China III for non-road mobile machinery		
Distance between two tracks × contact length of track × width of track pad		mm	2690×5820×800		Crawler carrier in
		mm	4600×5820×800		Crawler carrier out
Ground pressure		MPa	0.086		

Notes:

① Single rope speed, slewing speed and crawling speed vary with the load.

② The above value of ground pressure is the mean value. The actual maximum ground pressure is determined by the actual operating mode.

1. 3. Illustrations of operating modes



Code	Operating mode	Boom combination
S	Main boom	13m～61m
SH-1	Main boom + tip boom (load on main hook)	13m～58m
SH-2	Main boom + tip boom (load on auxiliary hook)	13m～58m
SF-1	Main boom + fixed jib (load on auxiliary hook; without main hook)	(28m～49m) + (7m～19m)
SF-2	Main boom + fixed jib (load on auxiliary hook; with main hook)	(28m～49m) + (7m～19m)
SF-3	Main boom + fixed jib (load on main hook)	(28m～49m) + (7m～19m)

1. 4. Major technical features

✪ Efficient and stable control

All operations can be synchronized.

Rope speed of the outermost layer on hoisting winch: 140m/min.

The 9-plunger motor helps increase the micro-inching of winch with rated load by 2m/min, meeting the requirement of accurate installation.

High-speed servo function of joystick provides fast response of 0.7s.

✪ Optimized transport and assembly/disassembly

Rapid assembly can be realized through self-erection of A-frame without cylinders.

The weight of a single transport unit ≤5.5t; the crane can be assembled simply by a small auxiliary crane.

Extension-type tracks provide a maximum transport width of 3.49m/3.0m.

2. Technical instructions

2. 1. Power unit

Engine model：	Weichai WP7G270E301	Yuchai YCA07260-T300
Type：	in-line 6-cylinder, intercooled and turbocharged diesel engine	
displacement：	7.47L	6.871L
Rated power：	199kW/2000r/min	191kW/2200r/min
Service power:	199kW/2000r/min	200kW/2000r/min
Max. torque：	1200 N·m /(1200～1500) r/min	1052N·m/1600r/min
Emission standard：	China III for non-road mobile machinery	

Volume of fuel 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: 410L

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. Winches

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	8.5t	8.5t
Rope diameter	22mm	22mm
Rope length	260m	150m
Single rope speed of the outmost layer	140m/min	140m/min

Hook for both H1 and H2 comes with free-fall function as optional.

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	6.5t
Rope diameter	20mm
Rope length	155m
Single rope speed of the outmost layer	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 2.5 rpm.

2.7. Counterweight

Counterweight plates are piled up on a pallet and locked by a threaded rod. The width of counterweight is 1.4m, which is convenient for transport.

The counterweight is composed of a base and seven counterweight plates (32t in total). The central ballast is composed of two counterweight plates (11t in total).

2.8. Operator's cab

All-new operator's cab with artistic interior design; work light; rear-view mirrors; broad vision.

Joysticks and switches are designed according to the ergonomics.

A cold/warn air conditioner; a 10.4'' color monitor.

✪ Armrest boxes

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

✪ Joysticks and control levers

The cross-shaped pilot hydraulic joystick controls the main and the secondary hoisting winches, the slewing mechanism and the derricking mechanism.

Control levers (with foot pedals) control the crawling and steering of the crane.

✪ Air conditioner

A cold/warm air conditioner with optimized air flues and air vents is a standard configuration.

2.9. Crawling 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 outrigger cylinders are optional.

✪ Tracks

Extension and retraction of tracks are realized by hydraulic cylinders. Tracks must be fully extended during operation. Track gauge (extended/retracted) is 4600mm/2690mm.

✪ Track pad

High-strength alloy-cast steel track pad with a width of 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 can 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

The limit switch and the hoisting limit weight fixed on boom head are used to prevent excessive hoisting of the hook. Limit switch sends out a signal if the hook is hoisted to a certain height to avoid excessive hoisting.

✪ Limit on main boom angle

The limit switch on the pivot section will be triggered if the main boom angle reaches 82°. The upward derricking will be cut off and a sound-light signal will be sent out from the cab.

✪ Lowering limiter

The lowering limiter sends out a signal and cuts of the lowering of hook if there are only three windings of rope left on the reel, and a sound-light alarm is sent out from the cab.

✪ Tilting-back support for boom

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

✪ Slewing locking device

It is used to keep the superstructure and the undercarriage relatively fixed during transport, which must be unlocked during operation.

✪ Hook lock

It closes off a hook to prevent a load from falling off during lifting.

✪ Anemometer

Real-time wind speed is detected by the electronic anemometer and displayed on the monitor to warn people of the dangerous working environment.

✪ Aviation warning light

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

✪ Main boom angle indicator

It is fixed at the rear lower end of the pivot section. The operator is able to see the elevation angle of the boom clearly from the cab.

✪ Rear-view mirrors

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 operations in an emergency.

✪ Tri-color warning light

The warning light has three colors: red, yellow and green. It also indicates the load condition of the crane. The load rate is below 90% is the green light is on; the load rate ranges between 90% and 100% if the yellow light is on; the load rate exceed 100% and the crane is in a dangerous overloaded state if the red light is on.

✪ Slewing and crawling alarm

It gives out a sound-light alarm during slewing and/or crawling.

✪ Video monitoring system

Cameras and a video monitor are standard configurations, through which the real-time working condition of winches 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 of the crane can be loaded onto or unloaded from a trailer by the operator outside the cab through a wireless remote control so as to avoid discomfort brought by shocks during the movement.

2. 11. Boom system

✪ Main boom

Main boom length: 13m~61m;

Components of main boom: a pivot section of 6.5m, a head section of 6.5m, intermediate sections of 3m, 6m and 12m.

A tip boom can be fitted on the main boom head.

Main boom length (m)	Pivot section	Head section	3m intermediate section	6m intermediate section	12m intermediate section A	12m intermediate section B
13	1	1	0	0	0	0
16	1	1	1	0	0	0
19	1	1	2	0	0	0
22	1	1	1	1	0	0
25	1	1	2	1	0	0
28	1	1	1	2	0	0
31	1	1	2	2	0	0
34	1	1	1	1	1	0
37	1	1	2	1	1	0
40	1	1	1	2	1	0
43	1	1	2	2	1	0
46	1	1	1	1	1	1
49	1	1	2	1	1	1
52	1	1	1	2	1	1
55	1	1	2	2	1	1
58	1	1	1	1	1	2
61	1	1	2	1	1	2

✪ Fixed jib

Fixed jib length: 7m~19m;

Components of fixed jib: a pivot section of 3.5m, a head section of 3.5m and intermediate sections of 4m. Main boom length (with fixed jib on): 28m~49m.

Fixed jib length (m)	Pivot section	Head section	4m intermediate section
7	1	1	0
11	1	1	1
15	1	1	2
19	1	1	3

2. 12. Hooks

Five types of hooks are available.

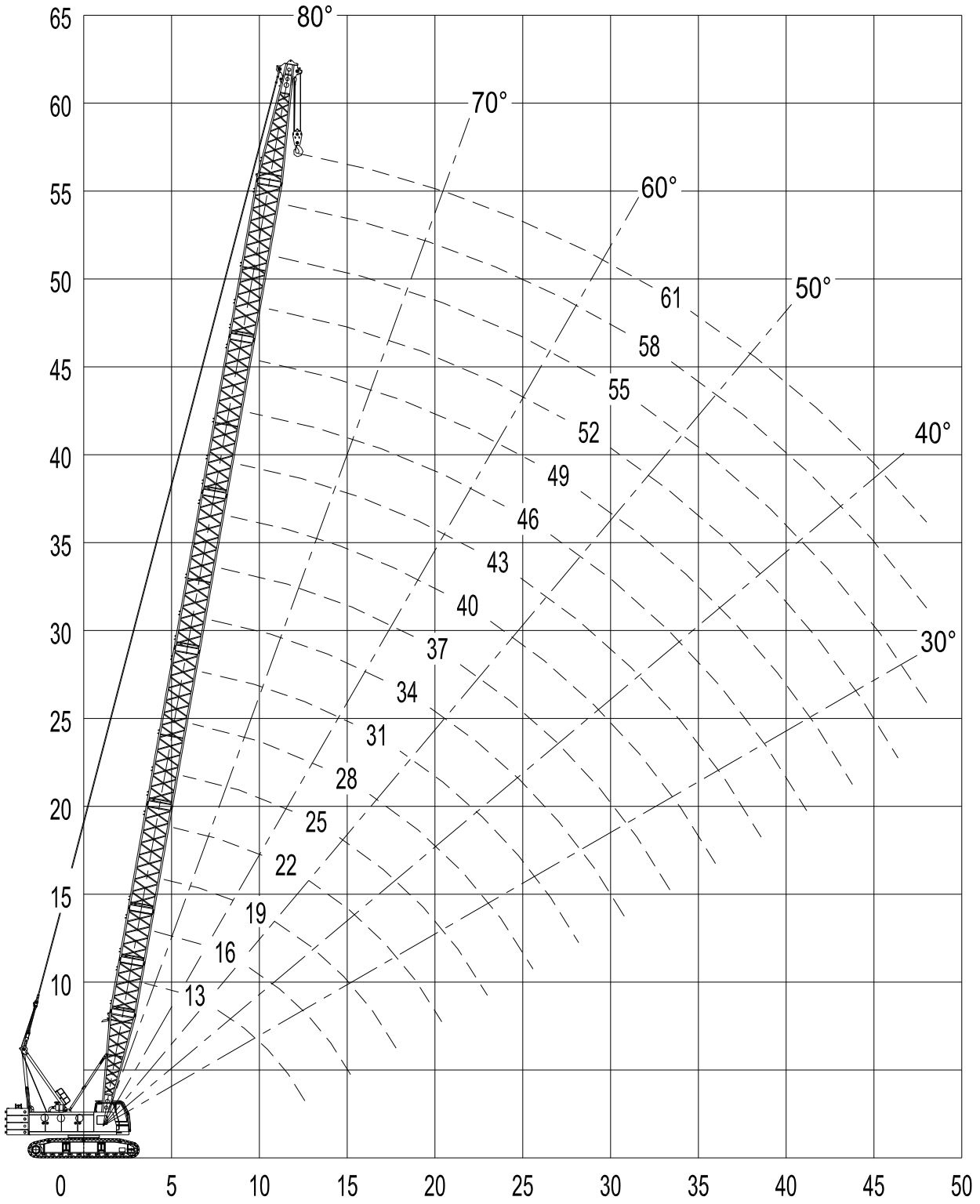
Specification of hook	Weight (kg)	Number of pulleys
100t	1145	7
80t	765	5
60t	645	3
16t	270	1
9t	180	0

3. Working radius and lifting capacity charts

3. 1. Main boom operating mode (S)

Hoisting height curves (operating mode S)

Unit: m



Lifting capacity chart (operating mode S)

Rear counterweight: 32t; Central ballast: 11t; Unit: t

Radius	Main boom length: 13~61m																
(m)	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61
3.9	100																
5	81	80	80	78													
6	68.6	68.2	67.3	65.6	63.9	61.5											
7	54.9	54.8	54.4	54	52	50.7	49.7										
8	44.9	44.8	44.7	44.6	44.2	43.5	42.3	41.1	40.3								
9	37.9	37.8	37.7	37.7	37.6	37.2	37	35.9	35.3	34.4	33.3						
10	32.8	32.6	32.6	32.5	32.4	32.3	32.2	32	31.4	30.8	30.2	29.4	28.4				
11	28.9	28.7	28.6	28.6	28.4	28.4	28.3	28.1	28.1	27.7	27.1	26.5	26	24.4			
12	25.7	25.6	25.5	25.4	25.3	25.2	25.1	25	24.9	24.6	24.5	24.1	23	23.3	21	18.5	
14		21	20.8	20.8	20.6	20.5	20.4	20.3	20.2	20.1	20	20	19.6	19.2	18.5	17	16
16			17.5	17.5	17.3	17.2	17.1	17	16.9	16.8	16.7	16.7	16.2	16.4	15.9	15.5	15
18				15	14.9	14.8	14.7	14.6	14.4	14.3	14.2	14.2	14.1	13.8	13.6	13.3	12.9
20				13.1	13	12.9	12.7	12.7	12.5	12.4	12.3	12.3	12.2	12.1	11.8	11.6	11.3
22					11.5	11.4	11.2	11.1	11	10.9	10.8	10.8	10.7	10.5	10.4	10.3	10
24						10.1	10	9.9	9.8	9.7	9.5	9.5	9.4	9.2	9.2	9.1	8.9
26							9	8.9	8.7	8.6	8.5	8.5	8.4	8.3	8.1	8.1	8
28							8.1	7.9	7.9	7.8	7.6	7.6	7.5	7.4	7.3	7.2	7.1
30								7.3	7.1	7	6.9	6.9	6.8	6.6	6.5	6.5	6.4
32									6.5	6.4	6.2	6.2	6	6	5.9	5.8	5.7
34										5.8	5.7	5.7	5.5	5.3	5.1	5.3	5.1
36										5.3	5.2	5.2	5	4.8	4.8	4.8	4.6
38											4.7	4.7	4.6	4.5	4.3	4.3	4.2
40												4.3	4.2	4.1	3.9	3.9	3.8
42													3.8	3.7	3.6	3.6	3.4
44														3.4	3.3	3.2	3.1
46														3.1	3	2.9	2.8
48															2.7	2.7	2.5
50																2.3	2.3
52																	2.1
54																	1.9
Reeving	15	11	11	10	9	8	7	6	5	5	4	4	4	3	3	3	3
Hook	100t	80t					60t										

Attention:

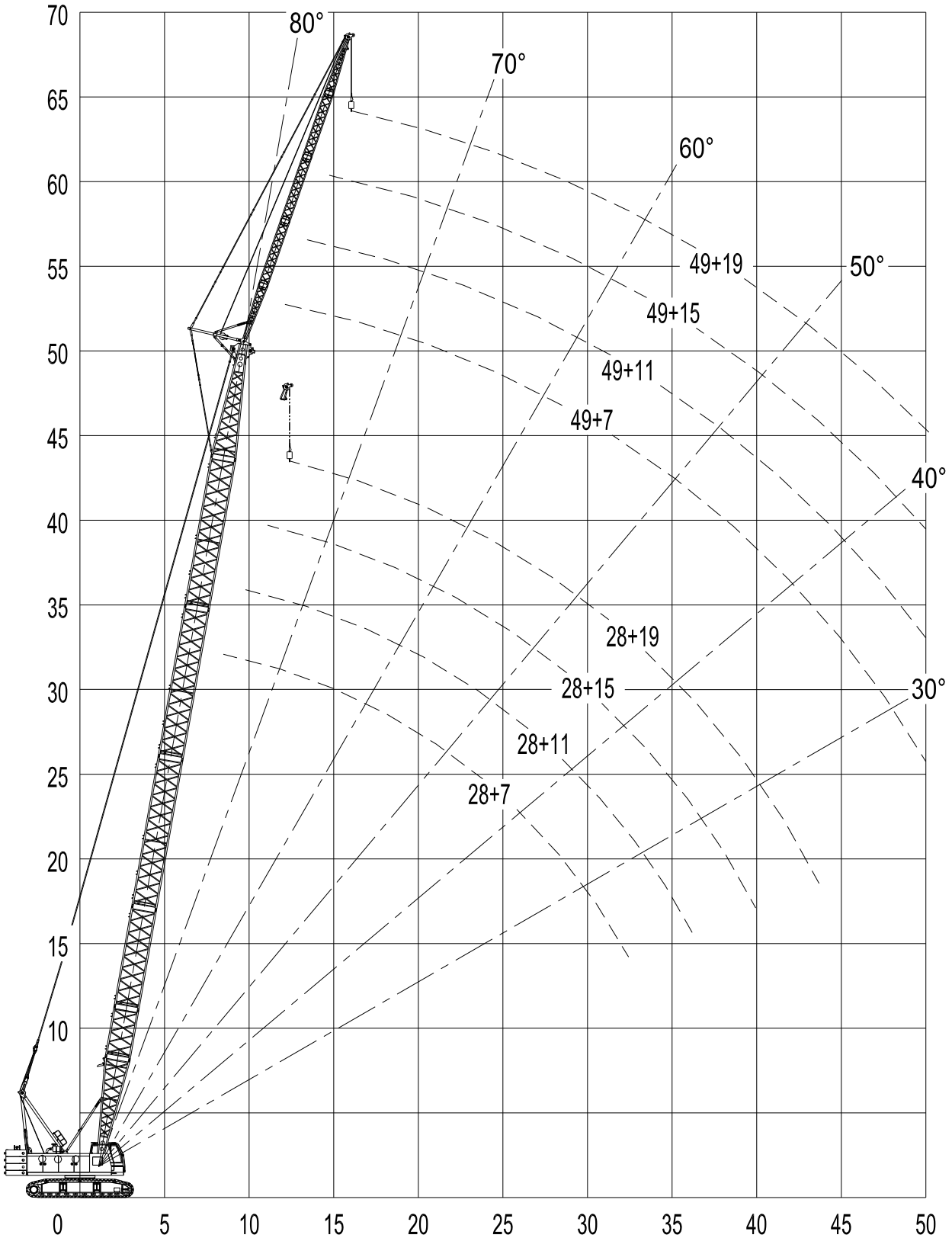
① Values in lifting capacity charts include the weight of sling and wire rope. The actual weight of load should be less than the value.

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

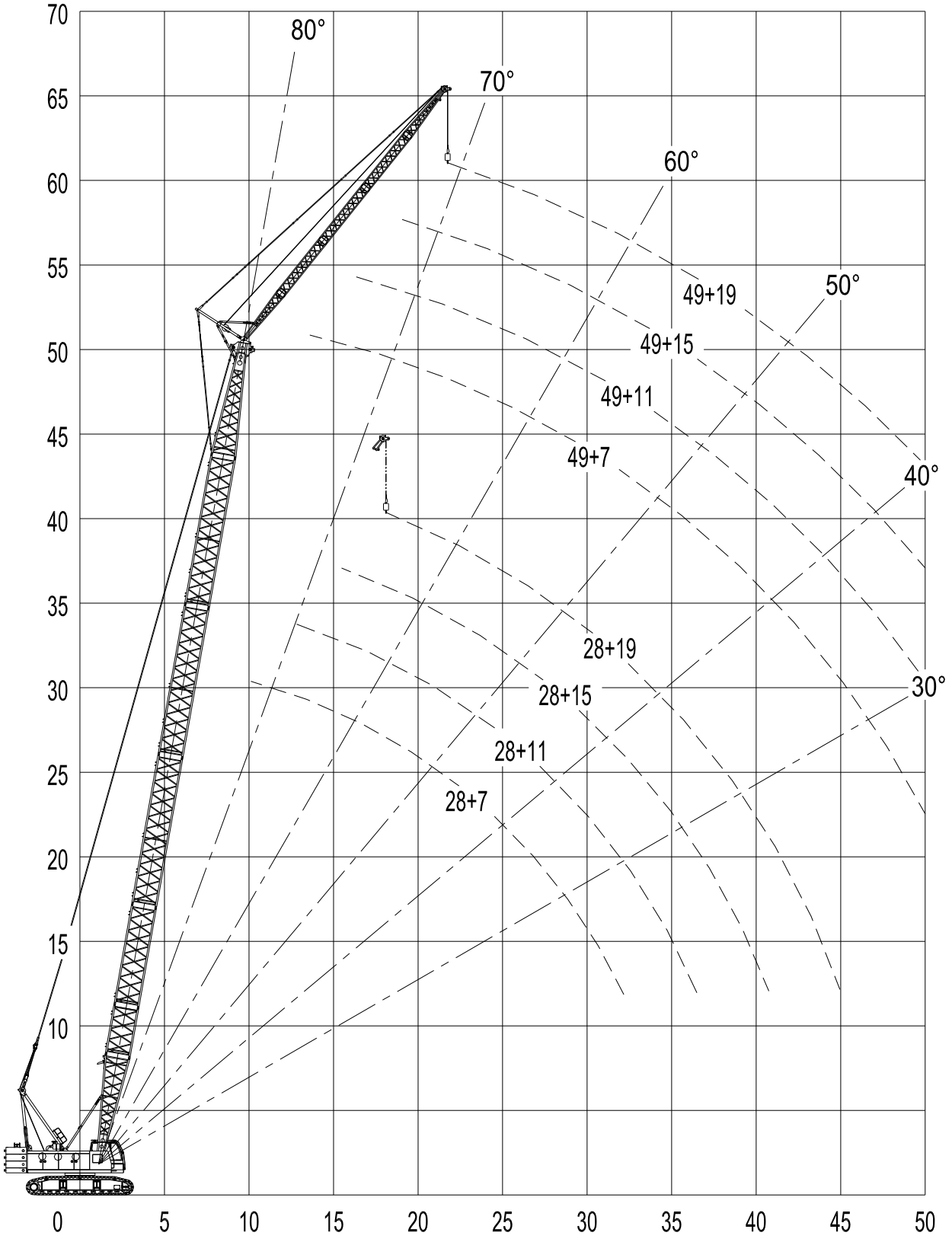
Hoisting height curves (SF-1, SF-2), 10°

Unit: m



Hoisting height curves (SF-1, SF-2), 30°

Unit: m



Lifting capacity chart (SF-1, 1/4)

Rear counterweight: 32t; Central ballast: 11t; Unit: t

Main boom	28								31							
Fixed jib	7		11		15		19		7		11		15		19	
Angle	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
9	15															
10	15		13.1						15							
11	15	8.5	12.8						15		13.2					
12	15	8.5	12.5		7.3				15	8.5	13		7.4			
14	15	8.5	12.3	6.2	7.1		4.6		15	8.5	12.4	6.3	7.1		4.7	
16	15	8.5	11.8	5.8	6.8	4.2	4.5		15	8.5	12.2	5.9	6.9		4.5	
18	14.5	8	10.3	5.5	6.7	4	4.4		14.2	8.5	10.8	5.6	6.8	4	4.4	
20	12.6	7.7	9.5	5.2	6.5	3.7	4.2	3	12.3	7.9	9.9	5.3	6.6	3.8	4.3	3
22	10.9	7.4	8.7	4.9	6.3	3.6	4.1	2.8	10.9	7.6	9.2	5.1	6.4	3.6	4.2	2.9
24	9.8	7.1	8.1	4.7	6.2	3.4	4	2.7	9.6	7.3	8.6	4.9	6.2	3.5	4.1	2.7
26	8.8	6.9	7.6	4.6	5.7	3.2	3.9	2.5	8.6	7.1	8	4.7	6.1	3.3	4	2.6
28	7.9	6.7	7.1	4.4	5.3	3.1	3.8	2.4	7.8	6.8	7.9	4.5	5.6	3.2	3.9	2.5
30	7.1	6.5	6.7	4.3	5	3	3.7	2.3	7.1	6.7	7.1	4.4	5.3	3.1	3.8	2.4
32			6.6	4.2	4.7	2.9	3.6	2.2	6.4	6.4	6.4	4.3	5	3	3.7	2.3
34			6	4.1	4.5	2.8	3.6	2.2	5.7	5.9	5.9	4.2	4.7	2.9	3.6	2.2
36					4.3	2.7	3.5	2.1			5.4	4.1	4.5	2.8	3.6	2.1
38					4.1	2.7	3.3	2				4.1	4.3	2.7	3.5	2.1
40							3.1	2					4.1	2.7	3.3	2
42							3	2						2.7	3.1	2
44															3	2
46																1.9

Lifting capacity chart (SF-1, 2/4)

Rear counterweight: 32t; Central ballast: 11t; Unit: t

Main boom	34								37							
Fixed jib	7		11		15		19		7		11		15		19	
Angle	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
10	15															
11	15								15							
12	15	8.5	13.3						15		12.9					
14	15	8.5	12.7		7.2		4.7		15	8.5	12.9		7.2			
16	15	8.5	12	6	7		4.6		15	8.5	12.6	6.1	7.1		4.6	
18	14.2	8.5	11.7	5.7	6.8	4.1	4.5		14.2	8.5	12.2	5.8	6.9	4.2	4.5	
20	12.3	8.5	10.4	5.4	6.7	3.9	4.3	3.1	12.3	8.5	10.9	5.6	6.8	4	4.4	3.1
22	10.8	7.8	9.7	5.2	6.5	3.7	4.2	2.9	10.6	8	10.1	5.3	6.6	3.8	4.3	3
24	9.6	7.5	9	5	6.4	3.6	4.1	2.8	9.5	7.7	9.6	5.1	6.5	3.6	4.2	2.8
26	8.4	7.2	8.6	4.8	6.2	3.4	4	2.7	8.4	7.4	8.4	4.9	6.3	3.5	4.1	2.7
28	7.6	7	7.8	4.6	6.1	3.3	3.9	2.5	7.6	7.2	7.6	4.8	6.2	3.3	4	2.6
30	6.9	7	7.1	4.5	5.6	3.2	3.8	2.4	6.8	6.9	6.9	4.6	6	3.2	3.9	2.5
32	6.2	6.2	6.4	4.4	5.3	3.1	3.8	2.4	6	6.2	6.2	4.5	5.5	3.1	3.8	2.4
34	5.7	5.7	5.7	4.3	5	3	3.7	2.3	5.6	5.6	5.7	4.4	5.2	3	3.8	2.3
36	5.2	5.2	5.3	4.2	4.7	2.9	3.6	2.2	5.1	5.1	5.2	4.3	5.2	2.9	3.7	2.3
38			4.9	4.1	4.5	2.8	3.6	2.1	4.6	4.7	4.7	4.2	4.8	2.9	3.6	2.2
40			4.5	4.1	4.3	2.7	3.5	2.1			4.4	4.1	4.4	2.8	3.6	2.1
42					4.2	2.7	3.3	2			4	3.9	4.1	2.7	3.5	2.1
44					3.9	2.7	3.2	2					3.7	2.7	3.3	2
46							3.1	2					3.3	2.7	3.2	2
48								1.9							3.2	2
50															3	1.9

Lifting capacity chart (SF-1, 3/4)

Rear counterweight: 32t; Central ballast: 11t; Unit: t

Main boom	40								43							
Fixed jib	7		11		15		19		7		11		15		19	
Angle	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
11	8.5															
12	8.5								8.5							
14	8.5	8.5	8.5		7.3				8.5	8.5	8.5		7.3			
16	8.5	8.5	8.5	6.2	7.1		4.7		8.5	8.5	8.5	6.3	7.2		4.7	
18	8.5	8.5	8.5	5.9	7	4.2	4.5		8.5	8.5	8.5	6	7.1		4.6	
20	8.5	8.5	8.5	5.7	6.8	4	4.4		8.5	8.5	8.5	5.8	6.9	4.1	4.5	
22	8.5	8.5	8.5	5.4	6.7	3.9	4.3	3	8.5	8.5	8.5	5.5	6.7	3.9	4.4	3
24	8.5	7.9	8.5	5.2	6.5	3.7	4.2	2.9	8.5	8	8.5	5.3	6.6	3.8	4.3	2.9
26	8.2	7.6	8.4	5	6.4	3.6	4.1	2.8	8.1	7.8	8.2	5.1	6.5	3.6	4.2	2.8
28	7.4	7.6	7.6	4.9	6.3	3.4	4	2.7	7.3	7.4	7.4	5	6.4	3.5	4.1	2.7
30	6.6	6.8	6.8	4.7	6.2	3.3	4	2.5	6.6	6.6	6.6	4.8	6.2	3.4	4	2.6
32	6	6	6	4.6	6	3.2	3.9	2.5	5.9	6	6	4.7	6	3.3	3.9	2.5
34	5.4	5.5	5.6	4.5	5.6	3.1	3.8	2.4	5.3	5.4	5.4	4.6	5.5	3.2	3.8	2.4
36	4.9	5	5.1	4.4	5.2	3	3.7	2.3	4.8	4.9	4.9	4.4	5	3.1	3.8	2.4
38	4.5	4.6	4.6	4.3	4.7	2.9	3.7	2.2	4.4	4.4	4.5	4.3	4.6	3	3.7	2.3
40	4.1	4.2	4.1	4.3	4.3	2.9	3.6	2.2	4	3.9	4.1	4.2	4.2	2.9	3.7	2.2
42		3.7	3.9	3.9	3.8	2.8	3.6	2.1	3.5	3.7	3.7	3.7	3.7	2.9	3.6	2.2
44			3.5	3.5	3.5	2.8	3.5	2.1	3.2	3.3	3.3	3.5	3.5	2.8	3.5	2.1
46				3.2	3.3	2.7	3.3	2			3.1	3.1	3.2	2.8	3.2	2.1
48					3	2.7	3.1	2			2.8	2.9	2.9	2.7	2.9	2
50						2.6	2.8	2					2.6	2.7	2.7	2
52							2.6	1.9					2.4	2.5	2.5	2
54								1.9							2.3	1.9
56																1.9

Lifting capacity chart (SF-1, 4/4)

Rear counterweight: 32t; Central ballast: 11t; Unit: t

Main boom	46								49							
Jib	7		11		15		19		7		11		15		19	
Angle	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
12	8.5															
14	8.5	8.5	8.5						8.5		8.5					
16	8.5	8.5	8.5		7.2		4.7		8.5	8.5	8.5		7.3			
18	8.5	8.5	8.5	6.1	7.1		4.6		8.5	8.5	8.5	6.2	7.1		4.6	
20	8.5	8.5	8.5	5.8	6.9	4.1	4.5		8.5	8.5	8.5	5.9	7	4.2	4.5	
22	8.5	8.5	8.5	5.6	6.8	4	4.4	3.1	8.5	8.5	8.5	5.7	6.8	4	4.5	
24	8.5	8.5	8.5	5.4	6.7	3.8	4.3	3	8.5	8.5	8.5	5.5	6.7	3.9	4.3	3
26	8.1	8.2	8.2	5.2	6.5	3.7	4.2	2.8	7.9	8.2	8.1	5.3	6.6	3.7	4.3	2.9
28	7.3	7.4	7.4	5.1	6.4	3.6	4.1	2.7	7.1	7.3	7.3	5.2	6.5	3.6	4.2	2.8
30	6.4	6.6	6.6	4.9	6.3	3.4	4.1	2.6	6.4	6.6	6.4	5	6.4	3.5	4.1	2.7
32	5.9	6	5.9	4.8	6	3.3	4	2.6	5.7	5.9	5.9	4.9	5.9	3.4	4	2.6
34	5.2	5.4	5.4	4.6	5.4	3.2	3.9	2.5	5.2	5.2	5.2	4.7	5.4	3.3	3.9	2.5
36	4.8	4.9	4.9	4.5	5	3.1	3.8	2.4	4.7	4.7	4.7	4.6	4.9	3.2	3.9	2.4
38	4.4	4.4	4.4	4.6	4.6	3.1	3.8	2.3	4.1	4.3	4.2	4.5	4.4	3.1	3.8	2.4
40	4	3.9	4.1	4.2	4	3	3.7	2.3	3.7	3.9	3.9	4.1	3.9	3	3.8	2.3
42	3.5	3.7	3.7	3.7	3.7	2.9	3.7	2.2	3.5	3.5	3.5	3.7	3.7	3	3.7	2.3
44	3.2	3.3	3.3	3.5	3.5	2.9	3.5	2.2	3.1	3.2	3.2	3.3	3.3	2.9	3.3	2.2
46	3	3	3	3.1	3.1	2.8	3.2	2.1	2.8	2.9	2.9	3	3	2.9	3	2.1
48			2.8	2.9	2.9	2.8	2.9	2.1	2.6	2.6	2.7	2.7	2.7	2.9	2.8	2.1
50			2.5	2.6	2.6	2.7	2.7	2		2.2	2.4	2.5	2.5	2.6	2.5	2.1
52					2.4	2.5	2.3	2			2.2	2.2	2.3	2.4	2.3	2
54					2.2	2.2	2.2	2				2	1.9	2.1	2.1	2
56							1.9	1.9					1.7	1.9	1.9	2
58							1.7	1.9						1.7	1.7	1.8
60															1.5	1.6
62																1.4

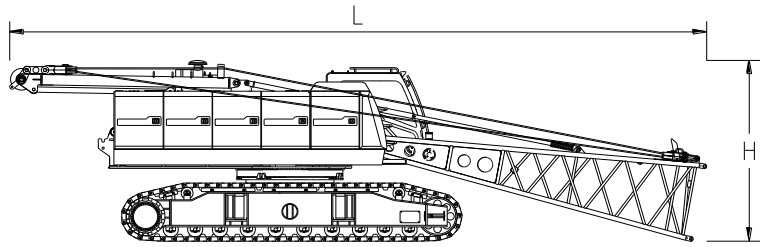
Attention:

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.

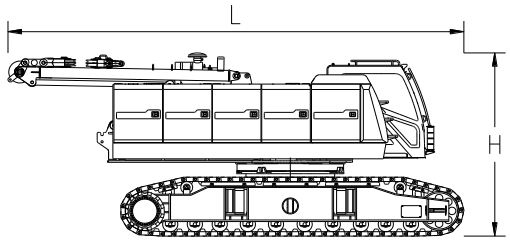
② Values in lifting capacity charts are provided on the basis of the fact that the ground is solid and flat and the load is freely suspended.

4. Dimensions and weights of major parts in transport

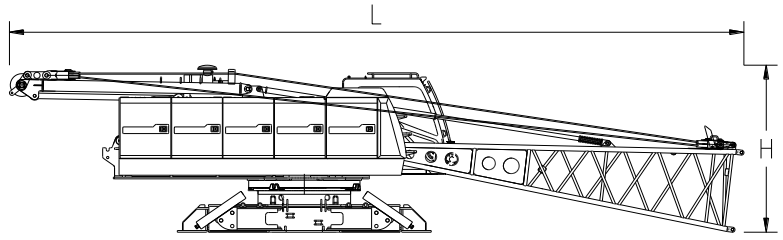
Basic machine (with pivot section and tracks)	1 piece
L (mm)	13200
W (mm)	3490
H (mm)	3390
Weight (kg)	36400



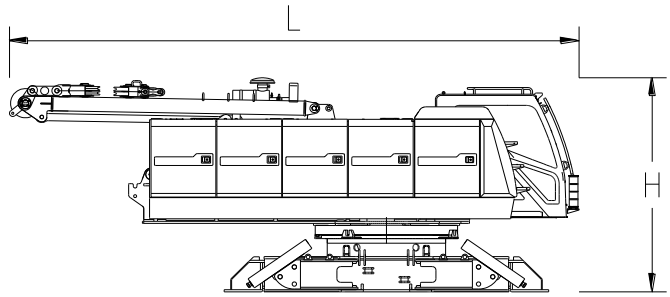
Basic machine (with tracks but without pivot section)	1 piece*
L (mm)	8800
W (mm)	3490
H (mm)	3390
Weight (kg)	35500



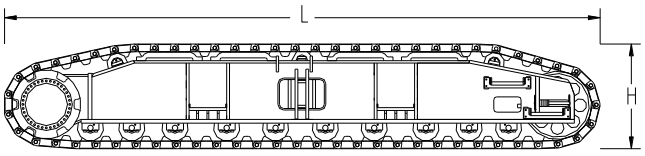
Basic machine (with pivot section but without tracks)	1 piece*
L (mm)	13200
W (mm)	2990
H (mm)	2990
Weight (kg)	20800
With vertical outriggers	



Basic machine (without pivot section and tracks)	1 piece*
L (mm)	7700
W (mm)	2990
H (mm)	2990
Weight (kg)	19900
With vertical outriggers	

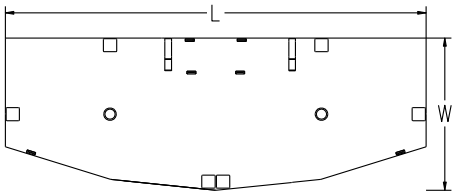


Crawler carrier assy.	2 pieces
L (mm)	6690
W (mm)	1160
H (mm)	1110
Weight (kg)	8280



Counterweight base

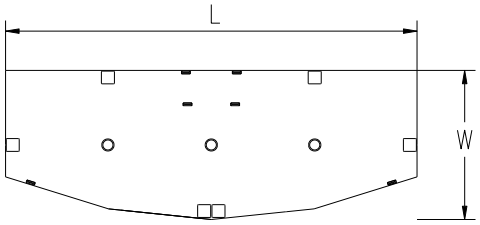
1 piece



L (mm)	3800
W (mm)	1400
H (mm)	645
Weight (kg)	5300

Counterweight plate

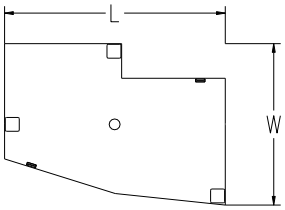
1 piece



L (mm)	3800
W (mm)	1400
H (mm)	400
Weight (kg)	4800

Counterweight plate (left)

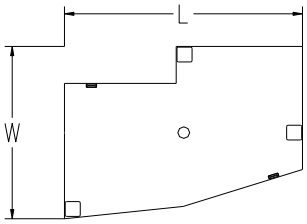
3 pieces



L (mm)	1895
W (mm)	1400
H (mm)	525
Weight (kg)	3650

Counterweight plate (right)

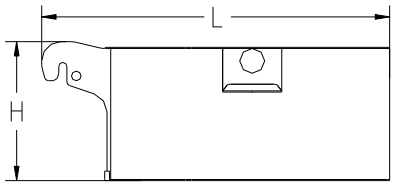
3 pieces



L (mm)	1895
W (mm)	1400
H (mm)	525
Weight (kg)	3650

Central ballast

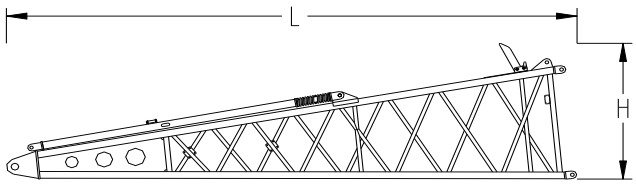
2 pieces



L (mm)	2010
W (mm)	1300
H (mm)	730
Weight (kg)	5500

Main boom pivot section

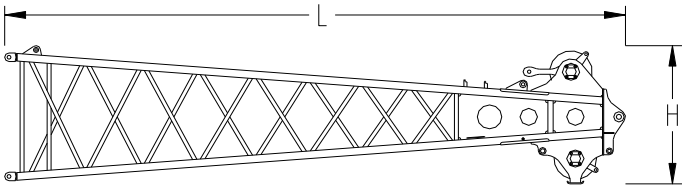
1 piece



L (mm)	6700
W (mm)	1690
H (mm)	1800
Weight (kg)	940

Main boom head section

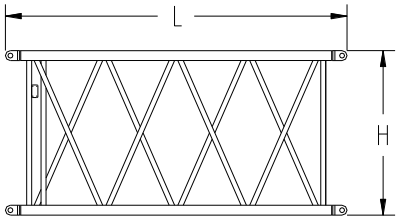
1 piece



L (mm)	7130
W (mm)	1690
H (mm)	1610
Weight (kg)	1120

3m main boom intermediate section

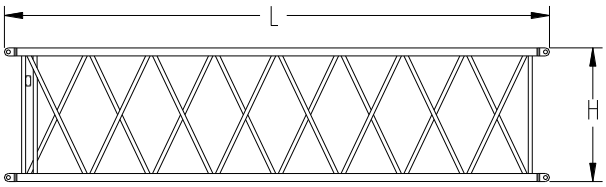
1 piece*



L (mm)	3090
W (mm)	1690
H (mm)	1500
Weight (kg)	300

6m main boom intermediate section

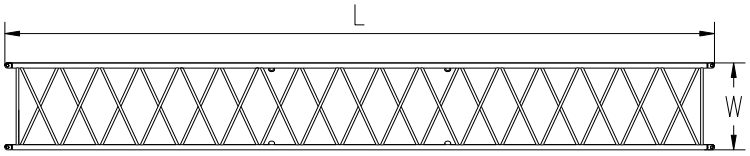
1 piece*



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

12m main boom intermediate section A

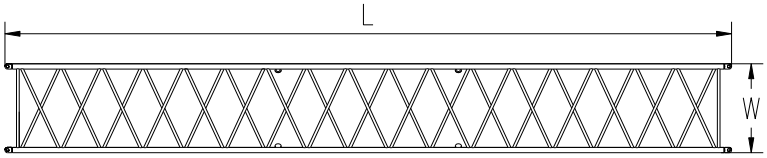
1 piece*



L (mm)	12090
W (mm)	1690
H (mm)	1500
Weight (kg)	1030

12m main boom intermediate section B

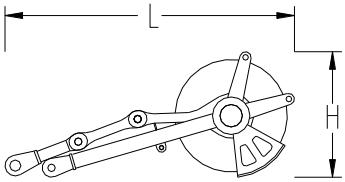
2 pieces*



L (mm)	12090
W (mm)	1690
H (mm)	1500
Weight (kg)	850

Tip boom

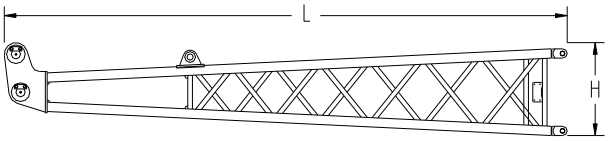
1 piece



L (mm)	1390
W (mm)	590
H (mm)	540
Weight (kg)	130

Fixed jib pivot section

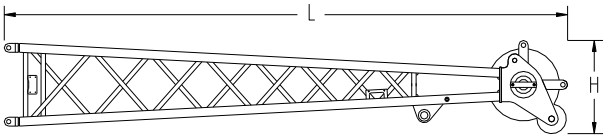
1 piece*



L (mm)	3640
W (mm)	570
H (mm)	570
Weight (kg)	165

Fixed jib head section

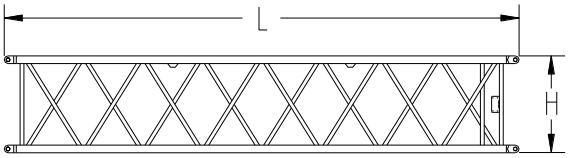
1 piece*



L (mm)	3820
W (mm)	570
H (mm)	570
Weight (kg)	220

4m fixed jib intermediate section

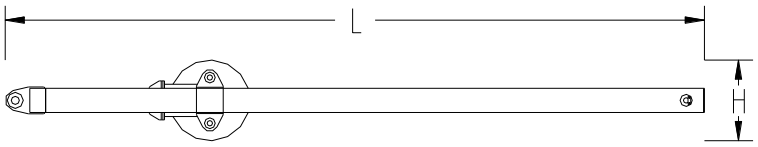
3 pieces*



L (mm)	4060
W (mm)	570
H (mm)	570
Weight (kg)	120

FA-frame

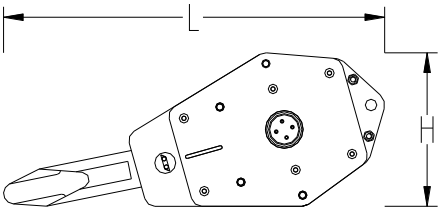
1 piece*



L (mm)	3230
W (mm)	650
H (mm)	460
Weight (kg)	280

Hook (100t)

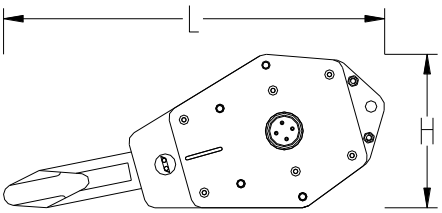
1 piece*



L (mm)	1715
W (mm)	885
H (mm)	620
Weight (kg)	1145

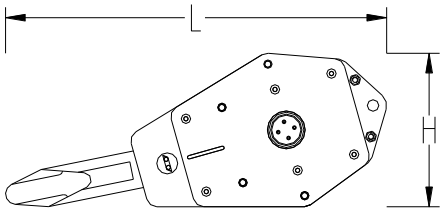
Hook (80t)

1 piece*

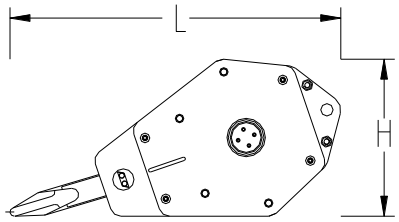


L (mm)	1650
W (mm)	630
H (mm)	650
Weight (kg)	765

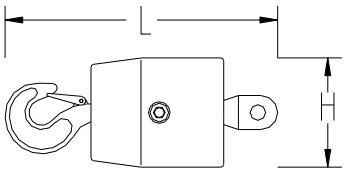
Hook (60t)	1 piece*
L (mm)	1660
W (mm)	540
H (mm)	620
Weight (kg)	645



Hook (16t)	1 piece*
L (mm)	1250
W (mm)	410
H (mm)	650
Weight (kg)	270



Hook (9t)	1 piece*
L (mm)	910
W (mm)	310
H (mm)	310
Weight (kg)	180



Notes:

1. Illustrations above 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.