

The Zoomlion logo consists of a green parallelogram with the word "ZOOMLION" in white, bold, uppercase letters.

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ZOOMLION ZCC850V CRAWLER CRANE

TECHNICAL SPECIFICATIONS

ZCC850V/27Y

Zoomlion Heavy Industry Science & Technology Co.,Ltd.

Zoomlion ZCC850V Crawler Crane

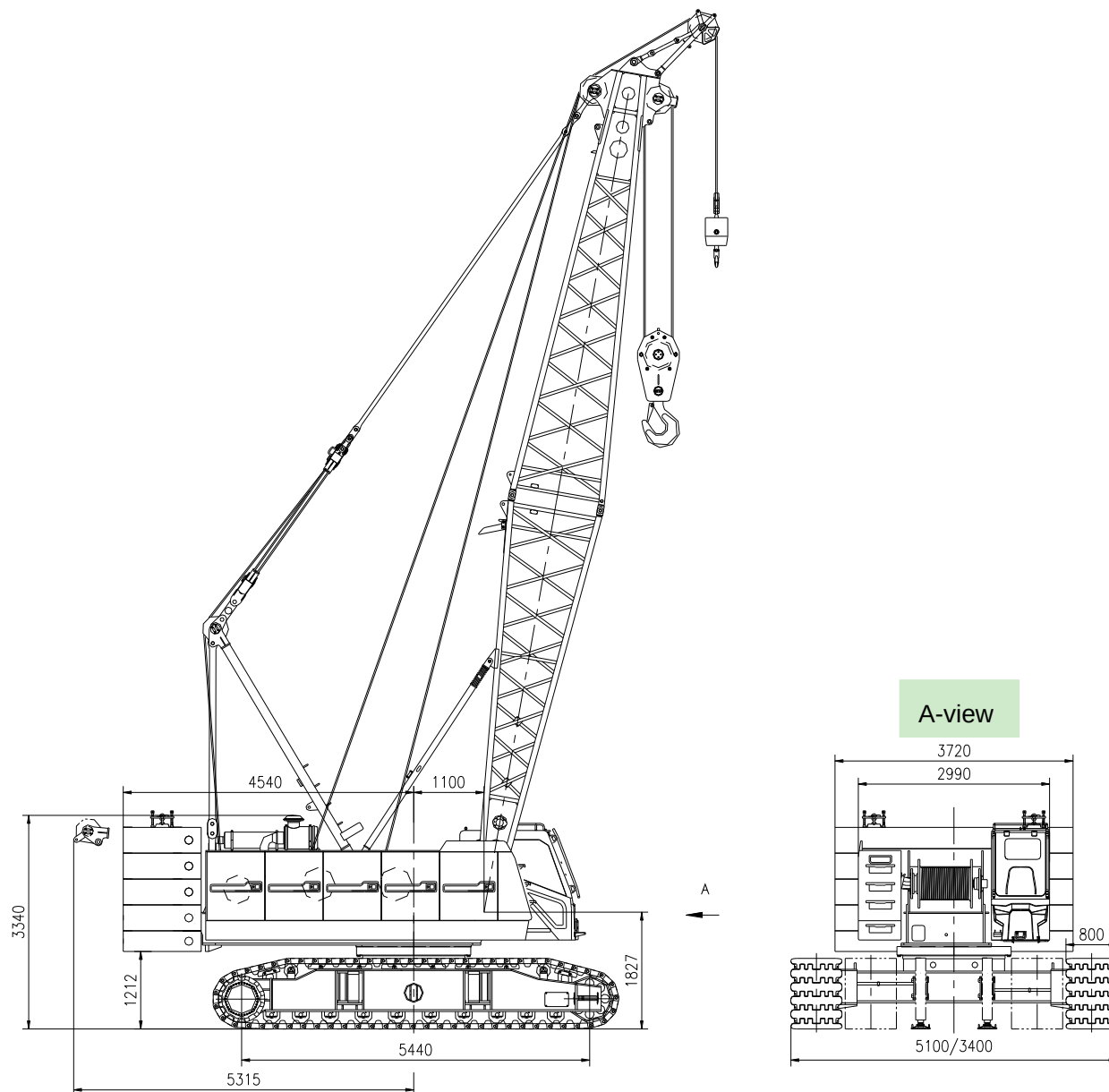
Technical Specifications

ZCC850V/27Y

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1. Overall dimensions and major technical parameters

1.1. Overall dimensions of the crane



1.2. Major technical parameters

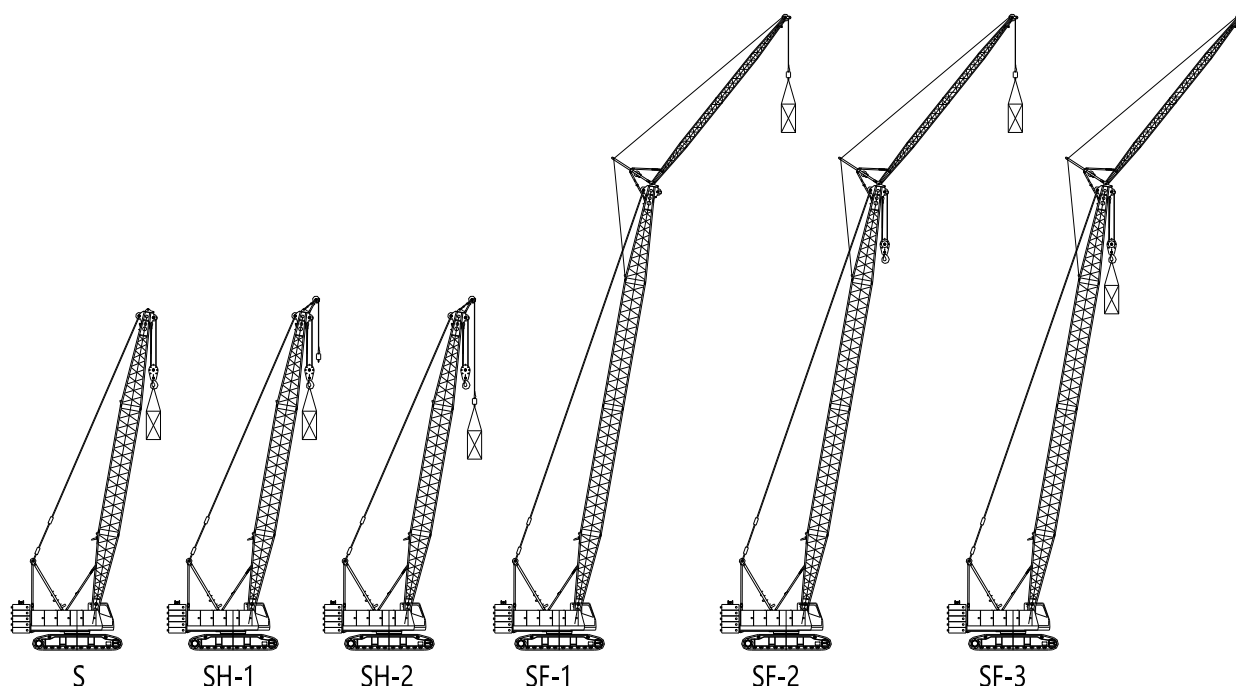
Major technical parameters

Items		Unit	Values	Notes
Max. lifting moment		t×m	357	
Max. lifting capacity		t	85	
Max. lifting capacity of fixed jib		t	15	
Main boom length		m	13~61	
Fixed jib length		m	7~19	
Max. length of main boom + fixed jib		m	49+19	
Main boom angle		°	30~80	
Fixed jib angle		°	10, 30	
Single rope speed of H1 and H2		m/min	140	The 3 rd layer
Single rope speed of derricking winch		m/min	82	The 3 rd layer
Slewing speed		rpm	0~2.6	
Traveling speed		km/h	0~1.4	
Gradeability		%	30	
Ground pressure		MPa	0.086	
Dead weight of the crane		t	75.5	Basic boom with primary hook
Counterweight		t	28.5	
Overall dimensions L×W×H		mm	13000×5100(3400)×3340	With A-frame and pivot section
Engine	Model		WP7G270E301	QSC8.3-C260 (optional)
	Rated power/rotational speed	kW/rp m	199/2000	194/2200
	Max. output torque /rotational speed	Nm/rp m	1200/(1200~1500)	1135/(1300~1600)
	Emission standard	/	National III	National III / European IIIA
Distance between two tracks × contact length of track × width of track pad		mm	2600×5440×800	Track carrier retracted
		mm	4300×5440×800	Track carrier extended

Note:

1. Single rope speed of winch, slewing speed and traveling speed vary with the weight of load.
2. The value of ground pressure is the mean value of the operating mode with the basic boom. 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~61m
SH-1	Main boom + tip boom (primary hook)	13m~58m
SH-2	Main boom + tip boom (auxiliary hook)	13m~58m
SF-1	Main boom + fixed jib (auxiliary hook, without primary hook)	(28m~49m) + (7m~19m)
SF-2	Main boom + fixed jib (auxiliary hook, with primary hook)	(28m~49m) + (7m~19m)
SF-3	Main boom + fixed jib (primary hook)	(28m~49m) + (7m~19m)

1.4. Major technical features

★ High working efficiency

Single rope speed of H1 and H2 reaches 140m/min (the 3rd layer).

The optional free-fall winch helps to improve the efficiency of hoisting.

★ Optimization in transport and dismantling

Tracks are extendible. The maximum width in transport is 3.4mm which is smaller than 3.0m when tracks are dismantled from the crane.

The weight of a single counterweight plate shall not exceed 6.0t. A small auxiliary crane can help to finish the assembly.

Optional vertical outriggers are convenient for the assembly and dismantling of track carrier.

2. Technical instructions

2.1. Power unit

Standard engine:

Model: Weichai WP7G270E301

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

Displacement: 7.47L

Rated power: 199kW/2000r/min

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

Emission standard: National III

Volume of fuel oil tank: 400L

Optional engine:

Model: Dongfeng Cummins QSC8.3-C260

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

Displacement: 8.3L

Rated power: 194kW/2200r/min;

Maximum torque: 1135N.m/(1300~1600)r/min

Emission standard: National III / European IIIA

2.2. Hydraulic system

Hydraulic pump: The main pump, a plunger pump, drives winches and the traveling mechanism. Dual gear pump is used for slewing and heat dissipation.

Control: pilot proportional control hydraulic system. The motor of hoisting winches is a variable plunger pump. Two cross-shaped hydraulic control levers and a dual foot-operated traveling control valve are used for controlling different executive components.

Volume of hydraulic oil tank: 520L

2.3. Electrical system

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

Electrical system is composed of power supply, engine system, load moment limit system, illumination system, safety control system, etc. Data communication between controller and controlling elements is realized through CAN bus.

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

2.4. Hoisting mechanism

Both the primary and the secondary hoisting winches 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 (the 3 rd layer)	8.5t (the 3 rd layer)
Wire rope diameter	24mm	24mm
Wire rope length	230m	150m
Single rope speed	140m/min (the 3 rd layer)	140m/min (the 3 rd layer)

Free-fall hook is optional for both hoisting winches.

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	71kN (the 1 st layer)
Wire rope diameter	20mm
Wire rope length	150m
Single rope speed	82m/min (the 3 rd layer)

2.6. Slewing mechanism

The slewing gear is driven by an axial constant-displacement piston hydraulic motor through a planetary gear reducer. Small gear of the output shaft rotates around the slewing bearing ring fixed on the chassis so that the slewing table makes slewing movement of 360°. Lateral pulling force on boom can be effectively reduced through the function of free slewing.

✪ Slewing bearing

Single-row-roller and four-point-contact slewing bearing, internal gearing

✪ Slewing speed

The maximum slewing speed is 2.6 rpm.

2.7. Counterweight

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

Rear counterweight is composed of a base and 4 counterweight plates, the total weight of which is 28.5t.

Central counterweight is composed of 2 counterweight plates, the total weight of which is 5.0t.

2.8. Operator's cab

The newly-designed operator's cab is decorated with fine interiors and equipped with a working light and rearview mirrors that provide a broad vision. The cab is also equipped with an 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 control lever controls H1, H2, slewing, and boom derricking.

Joysticks (with foot pedal) control traveling and steering of the whole crane.

✧ Air conditioner

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

2.9. Traveling mechanism

✧ Undercarriage

The two independent hydraulic driving systems on both sides are embedded in track carriers. Each hydraulic driving system is equipped with a hydraulic motor that drives the driving sprocket through the planetary reducer.

Vertical outriggers are optional.

✧ Retracting and extension of tracks

Retracting and extension of tracks are controlled by hydraulic cylinders. Tracks must be fully extended during operation.

✧ Tensioning of track

Push the driving sprocket with the lifting jack and adjust the tension of track through the spacer.

✧ 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.

✧ Electronic gradienter

Display the horizontal state of the machine on the screen.

✧ 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.

2.11. Boom sections

★ Main boom

Main boom length ranges between 13m and 61m. Components of a main boom are: a pivot section of 6.5m, a boom head of 6.5m, intermediate sections of 3m, 6m and 9m. A tip boom can be assembled on the main boom head.

★ Fixed jib

Fixed jib length ranges between 7m and 19m. Components of a fixed jib are: a pivot section of 3.5m, a boom head of 3.5m, and an intermediate section of 4m.

Main boom length ranges between 28m and 49m.

2.12. Load hook

Four types of load hooks are available.

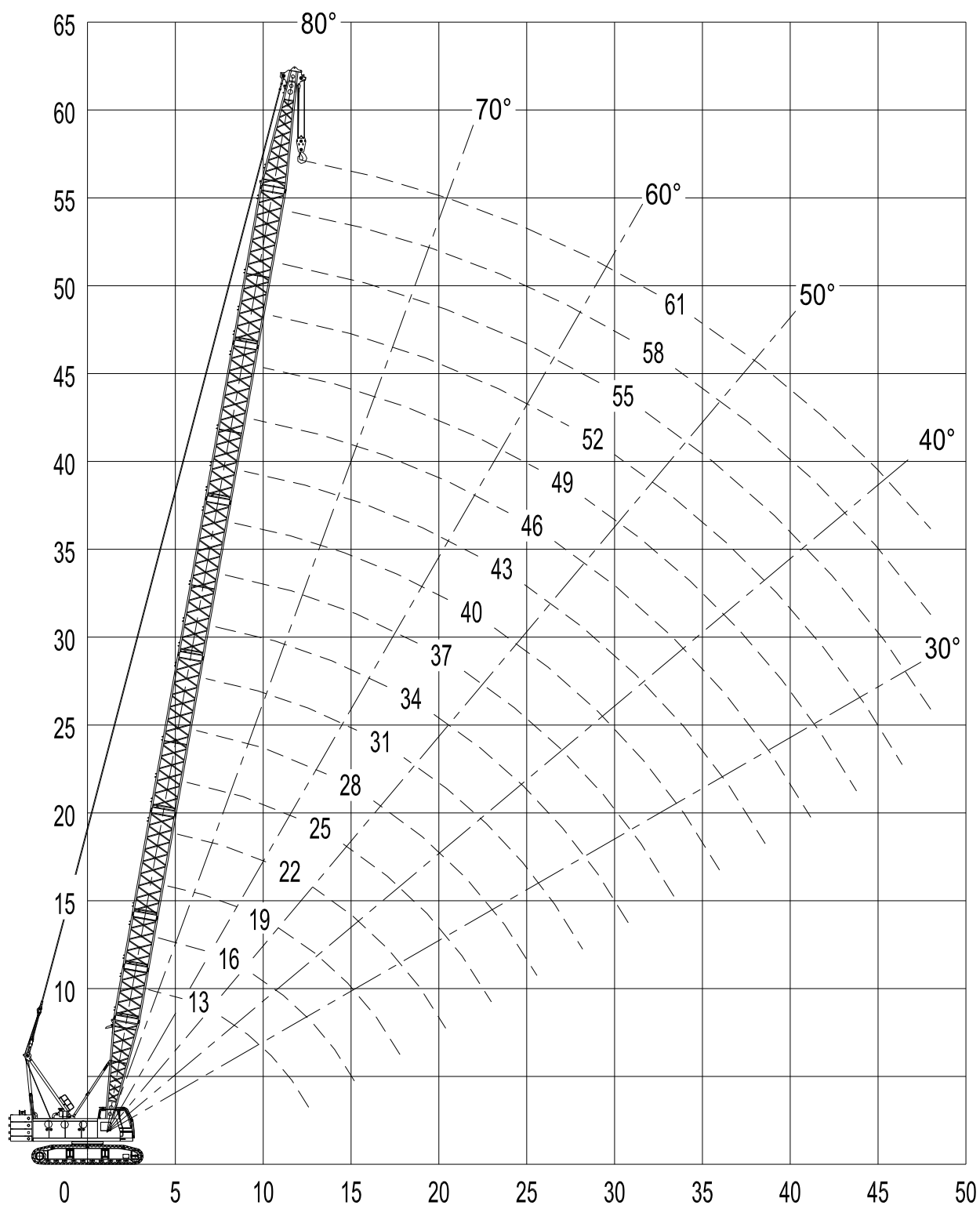
Specification of hook	Lifting capacity (Kg)	Number of pulleys
85 t	1195	5
55 t	925	3
25 t	613	1
9 t	265	0

3. Working radius and lifting capacity charts

3.1. Operating mode of main boom (S)

Curves of hoisting height (S)

Unit: m



Lifting capacity chart (S)

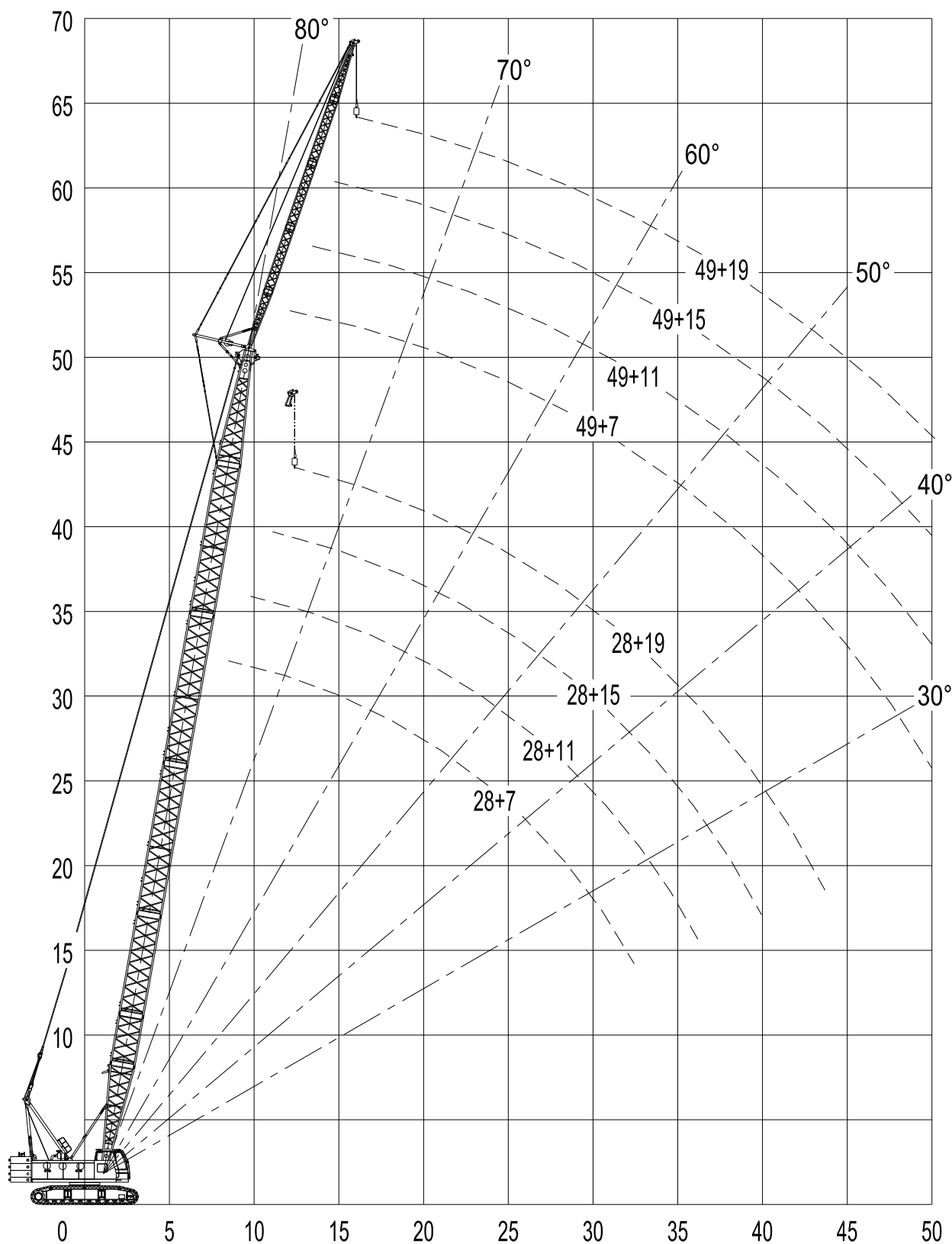
Unit: t

Radius (m)	Main boom length (m)																
	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61
4.2	85																
5	69.7	68.5	67														
6	55.5	55.5	55.5	54.3	52.5												
7	44.2	44.2	44.2	44.2	43.1	42.6											
8	36.5	36.5	36.5	36.5	36.5	36.1	35.4	34.3									
9	30.7	30.7	30.7	30.7	30.7	30.7	30.2	29.5	29.5	28.8							
10	26.6	26.6	26.6	26.6	26.6	26.6	26.3	25.9	25.9	25.2	24.8	24.4					
11	23.7	23.7	23.4	23.4	23	23	23	22.6	23	22.6	21.9	21.6	20.5	18.9			
12	21.2	20.8	20.8	20.8	20.8	20.8	20.5	20.5	20.5	20.1	19.6	19.6	18.9	18.5	18.2	15.6	
14		17.1	17.1	16.9	16.9	16.9	16.7	16.4	16.4	16.4	16.4	16	15.8	15.3	15.2	14	13.1
16			14.2	14.2	14.2	14.2	13.9	13.9	13.9	13.8	13.5	13.5	13.4	13.1	12.8	12.4	11.8
18				12.1	12.1	12.1	12	12	11.7	11.7	11.5	11.5	11.3	11.3	11	10.6	10.4
20				10.6	10.6	10.6	10.4	10.3	10.2	10.2	9.9	9.9	9.7	9.7	9.5	9.2	9
22					9.4	9.2	9.2	9	8.9	8.8	8.8	8.6	8.6	8.4	8.4	8.1	7.9
24						8.3	8.1	8.1	7.9	7.8	7.7	7.7	7.5	7.4	7.2	7.2	7
26							7.2	7.2	7	7	6.8	6.8	6.5	6.5	6.4	6.3	6.1
28							6.5	6.4	6.3	6.3	6.1	6	5.9	5.9	5.7	5.6	5.4
30								5.9	5.7	5.6	5.4	5.4	5.3	5.2	5	5	4.9
32									5.2	5	5	4.9	4.7	4.6	4.5	4.5	4.3
34										4.6	4.5	4.3	4.3	4.2	4	3.9	3.9
36										4.2	4	4	3.9	3.8	3.6	3.5	3.4
38											3.7	3.6	3.5	3.4	3.3	3.2	3.1
40												3.3	3.2	3.1	2.9	2.8	2.7
42													2.9	2.8	2.7	2.5	2.4
44														2.5	2.4	2.2	2.2
46														2.2	2.1	2	1.9
48															1.9	1.8	1.6
50																1.5	1.5
52																	1.3
54																	1.1

3.2. Operating mode of main boom + fixed jib

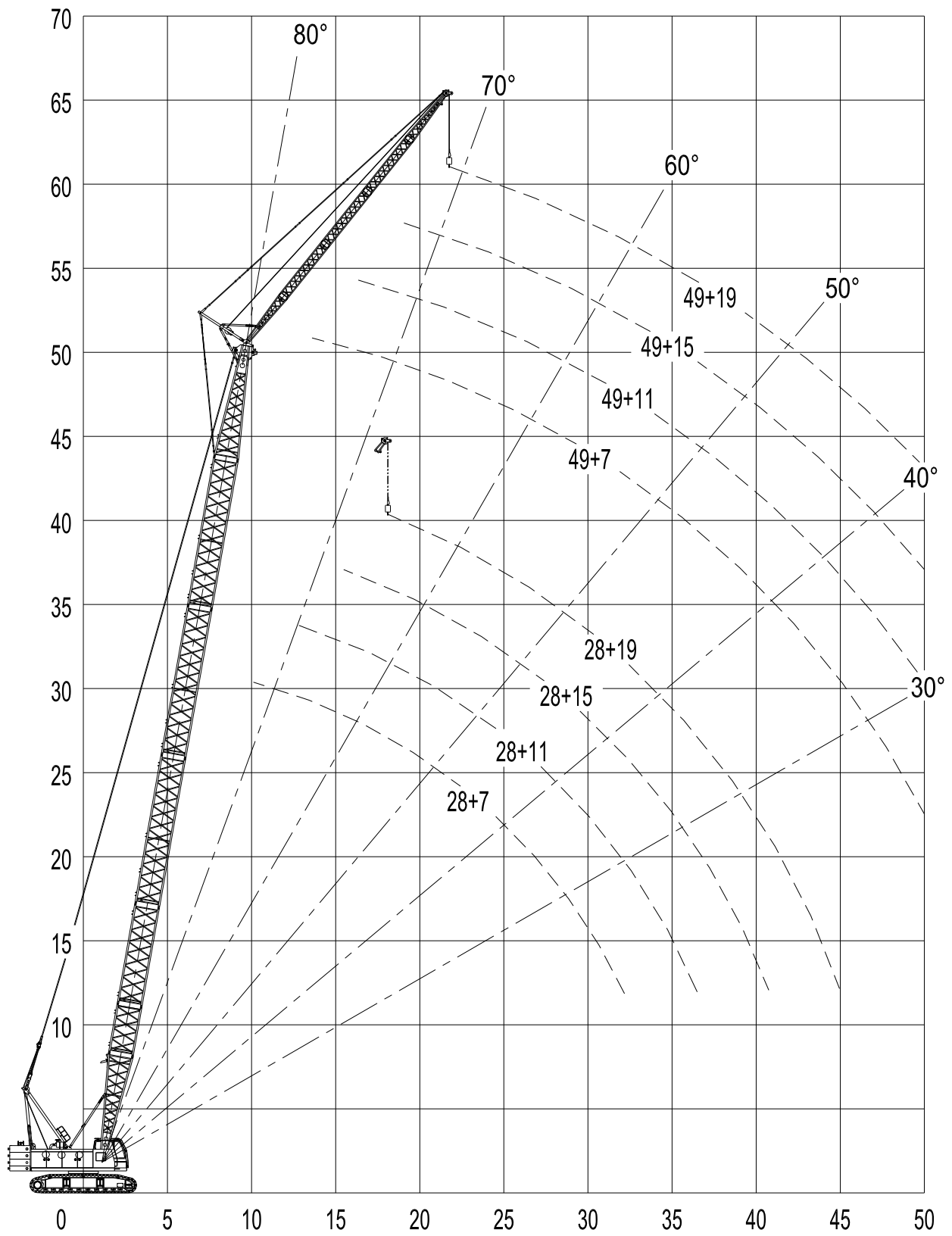
Curves of hoisting height (SF-1), 10°

Unit: m



Curves of hoisting height (SF-1), 30°

Unit: m



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

Unit: t

Main boom length	28								31							
Jin length	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		13.7						15							
11	15	14.7	13.4						15		13.3					
12	15	14.2	13.1		8.5				15	14.5	13.1		8.5			
14	15	13.4	12.4	9.2	8.5		5.7		15	13.7	12.5	9.4	8.5		5.7	
16	14	12.7	12.4	8.7	8.4	6.7	5.5		13.6	12.9	12.3	8.9	8.3		5.5	
18	12	12	11.6	8.3	8	6.3	5.3		11.8	12	11.8	8.5	8.2	6.4	5.4	
20	10.3	10.4	10.4	7.8	7.7	6	5.1	4.5	10.1	10.4	10.3	8	7.7	6.1	5.2	4.5
22	9.1	9.1	9.1	7.5	7.6	5.7	4.9	4.4	8.8	9.1	9.1	7.7	7.7	5.8	5	4.5
24	7.9	8.1	8.1	7.2	7.2	5.5	4.8	4.3	7.9	7.9	7.9	7.4	7.4	5.6	4.9	4.4
26	7.1	7.1	7.3	7	7.1	5.3	4.7	4.2	6.9	7.1	7.1	7.1	7.2	5.4	4.8	4.3
28	6.4	6.4	6.4	6.6	6.6	5.1	4.5	4	6.2	6.2	6.4	6.6	6.4	5.2	4.6	4.1
30	5.7	5.7	5.9	5.9	5.9	4.9	4.5	3.9	5.6	5.7	5.7	5.9	5.7	5	4.5	4
32			5.3	5.4	5.4	4.7	4.4	3.7	5.1	5.1	5.2	5.2	5.2	4.9	4.4	3.8
34			4.8	4.9	4.9	4.6	4.3	3.6	4.6	4.6	4.7	4.8	4.8	4.7	4.4	3.7
36					4.5	4.5	4.2	3.5			4.3	4.4	4.4	4.5	4.3	3.6
38					4.1	4.2	4.1	3.4				3.9	4	4.1	4.1	3.5
40							3.9	3.4					3.7	3.7	3.7	3.4
42							3.5	3.3						3.3	3.3	3.4
44															3.1	3.2
46																2.9

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

Unit: t

Main boom length	34								37							
Jin length	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		13.7						15							
12	15	14.7	13.4						15		13.8					
14	15	13.9	12.9		8.5		5.8		15	14.2	13.1		8.5			
16	13.6	13.2	12.8	9	8.5		5.6		13.6	13.5	12.8	9.2	8.5		5.7	
18	11.7	12	11.8	8.6	8.2	6.5	5.4		11.5	11.8	11.8	8.7	8.4	6.6	5.5	
20	10.1	10.3	10.1	8.2	8	6.2	5.3	4.5	10	10.1	10.1	8.4	8	6.3	5.3	4.6
22	8.8	9	9	7.9	7.7	6	5.1	4.5	8.8	8.8	8.8	8	7.9	6.1	5.2	4.5
24	7.8	7.9	7.9	7.6	7.5	5.7	5	4.4	7.6	7.8	7.8	7.8	7.7	5.8	5	4.4
26	6.9	6.9	6.9	7.3	7.1	5.5	4.8	4.3	6.8	6.9	6.9	7.1	6.9	5.6	4.9	4.3
28	6	6.2	6.2	6.4	6.4	5.3	4.7	4.2	6	6	6	6.4	6.2	5.4	4.8	4.3
30	5.4	5.6	5.6	5.7	5.7	5.1	4.6	4.1	5.4	5.4	5.5	5.7	5.6	5.2	4.7	4.2
32	4.9	5	5.1	5.2	5.2	5	4.5	3.9	4.9	4.9	4.9	5.1	5.1	5.1	4.6	4
34	4.5	4.5	4.6	4.7	4.7	4.8	4.4	3.8	4.4	4.4	4.5	4.6	4.6	4.7	4.5	3.9
36	4.1	4.1	4.2	4.3	4.3	4.4	4.3	3.7	4	4	4.1	4.2	4.2	4.3	4.3	3.8
38			3.7	3.9	3.9	4	3.9	3.6	3.5	3.5	3.7	3.7	3.7	3.9	3.9	3.7
40			3.5	3.5	3.5	3.7	3.5	3.5			3.3	3.3	3.3	3.5	3.5	3.6
42					3.2	3.3	3.2	3.4			3	3	3.1	3.2	3.1	3.3
44					2.9	3	3	3.1					2.8	2.9	2.9	3
46							2.7	2.8					2.6	2.6	2.6	2.7
48								2.6							2.4	2.5
50															2.2	2.3

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

Unit: t

Main boom length	40								43							
Jin length	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						8.5							
14	8.5	8.5	8.5		8.5				8.5	8.5	8.5		8.5			
16	8.5	8.5	8.5	8.5	8.5		5.7		8.5	8.5	8.5	8.5	8.5		5.7	
18	8.5	8.5	8.5	8.5	8.5	6.7	5.6		8.5	8.5	8.5	8.5	8.5		5.6	
20	8.5	8.5	8.5	8.5	8.3	6.4	5.4		8.5	8.5	8.5	8.5	8.1	6.5	5.4	
22	8.4	8.5	8.5	8.2	8	6.2	5.2	4.5	8.4	8.5	8.4	8.4	8	6.3	5.3	4.5
24	7.4	7.6	7.6	7.9	7.6	5.9	5.1	4.5	7.4	7.6	7.6	7.9	7.6	6	5.2	4.5
26	6.6	6.8	6.8	7.1	6.9	5.7	5	4.4	6.6	6.8	6.6	6.9	6.8	5.8	5	4.4
28	5.9	6	6	6.2	6	5.5	4.9	4.3	5.7	5.9	5.9	6.2	6	5.6	4.9	4.4
30	5.2	5.4	5.4	5.6	5.4	5.4	4.8	4.2	5.2	5.2	5.2	5.5	5.4	5.4	4.8	4.3
32	4.7	4.8	4.9	5	4.9	5.2	4.6	4.1	4.6	4.7	4.7	4.9	4.8	5.1	4.7	4.2
34	4.3	4.4	4.4	4.5	4.4	4.7	4.6	4	4.1	4.3	4.3	4.4	4.4	4.6	4.4	4
36	3.9	3.9	3.9	4.1	4.1	4.3	4.1	3.9	3.7	3.7	3.9	4	3.9	4.2	4	3.9
38	3.5	3.5	3.5	3.7	3.7	3.9	3.7	3.8	3.3	3.3	3.5	3.5	3.5	3.7	3.5	3.8
40	3.1	3.1	3.2	3.3	3.3	3.5	3.3	3.5	3	3	3.1	3.2	3.2	3.3	3.2	3.5
42		2.8	2.9	3	3	3.1	3	3.2	2.7	2.7	2.8	2.9	2.9	3	2.9	3.1
44			2.6	2.7	2.7	2.8	2.8	2.9	2.4	2.4	2.5	2.6	2.6	2.7	2.6	2.8
46				2.4	2.5	2.5	2.5	2.6			2.3	2.3	2.3	2.5	2.4	2.6
48					2.2	2.3	2.3	2.4			2.1	2.1	2.1	2.2	2.2	2.3
50						2.1	2.1	2.2					1.9	2	1.9	2.1
52							1.9	1.9						1.7	1.7	1.9
54								1.7							1.5	1.7
56																1.5

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

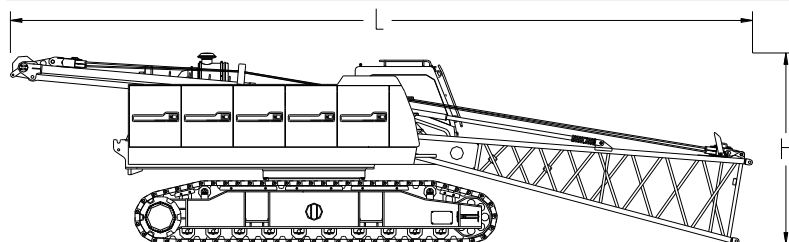
Unit: t

Main boom length	46								49							
Jin length	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		8.5		5.8		8.5	8.5	8.5		8.5			
18	8.5	8.5	8.5	8.5	8.5		5.6		8.5	8.5	8.5	8.5	8.5		5.7	
20	8.5	8.5	8.5	8.5	8.3	6.6	5.5		8.5	8.5	8.5	8.5	8.5	6.6	5.5	
22	8.2	8.4	8.2	8.5	8.2	6.3	5.4	4.6	7.9	8.2	8.1	8.4	8.1	6.4	5.4	4.6
24	7.3	7.4	7.4	7.6	7.4	6.1	5.2	4.5	7.1	7.3	7.1	7.4	7.1	6.2	5.3	4.5
26	6.4	6.6	6.6	6.9	6.6	5.9	5.1	4.4	6.2	6.6	6.2	6.6	6.4	6	5.2	4.5
28	5.7	5.9	5.7	6	5.9	5.7	5	4.4	5.6	5.7	5.7	5.9	5.7	5.8	5	4.4
30	5.1	5.2	5.2	5.4	5.2	5.5	4.9	4.3	4.9	5.1	5.1	5.3	5.1	5.4	5	4.3
32	4.5	4.6	4.6	4.9	4.7	5.1	4.8	4.2	4.4	4.6	4.5	4.7	4.6	4.9	4.7	4.3
34	4.1	4.1	4.2	4.4	4.3	4.5	4.3	4.1	3.9	4.1	4.1	4.3	4.1	4.4	4.2	4.2
36	3.5	3.7	3.7	3.9	3.7	4.1	3.9	4	3.5	3.5	3.5	3.7	3.7	4	3.7	4.1
38	3.2	3.3	3.3	3.5	3.3	3.7	3.5	3.7	3.1	3.2	3.2	3.3	3.3	3.5	3.3	3.7
40	2.9	2.9	3	3.1	3	3.2	3.1	3.4	2.7	2.8	2.9	3	2.9	3.2	3	3.3
42	2.6	2.6	2.7	2.8	2.7	2.9	2.8	3	2.5	2.5	2.5	2.7	2.6	2.8	2.7	3
44	2.3	2.4	2.4	2.5	2.5	2.6	2.5	2.8	2.2	2.2	2.3	2.4	2.4	2.5	2.4	2.7
46	2.1	2.1	2.2	2.2	2.2	2.4	2.3	2.5	1.9	2	2.1	2.1	2.1	2.3	2.2	2.4
48			1.9	2	2	2.1	2.1	2.2	1.7	1.7	1.8	1.9	1.9	2	1.9	2.1
50			1.7	1.7	1.8	1.9	1.9	2		1.5	1.5	1.7	1.7	1.8	1.7	1.9
52					1.5	1.7	1.7	1.8			1.4	1.4	1.5	1.5	1.5	1.7
54					1.4	1.5	1.5	1.5				1.2	1.3	1.4	1.4	1.5
56							1.3	1.4					1.1	1.2	1.2	1.3
58							1.1	1.2						1	1	1.1

4. Dimensions of components in transport

Basic machine 1 (with pivot section and tracks on)

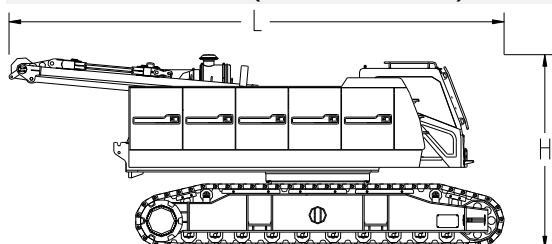
1 piece*



Length (L)	13000 mm
Width (W)	3400 mm
Height (H)	3340 mm
Weight	39400 kg

Basic machine 2 (with tracks on)

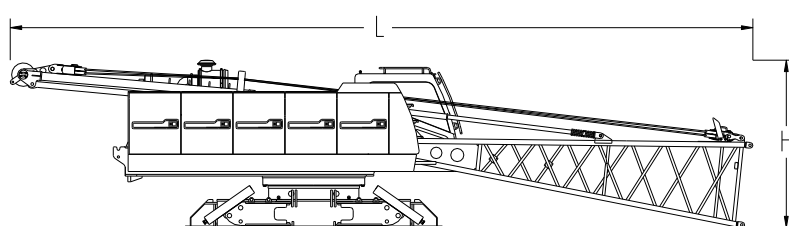
1 piece*



Length (L)	8230 mm
Width (W)	3400 mm
Height (H)	3340 mm
Weight	38330 kg

Basic machine 3 (with pivot section on)

1 piece*

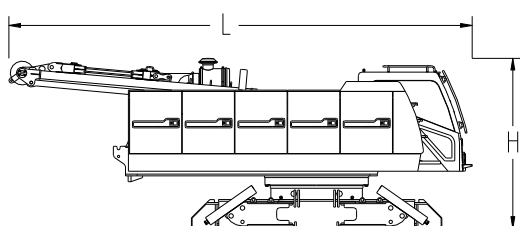


Length (L)	13000 mm
Width (W)	2990 mm
Height (H)	2940 mm
Weight	22720 kg

Outriggers are optional

Basic machine 4

1 piece*

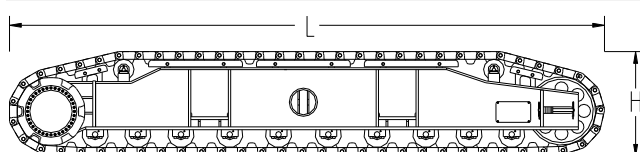


Length (L)	8000 mm
Width (W)	2990 mm
Height (H)	2940 mm
Weight	21650 kg

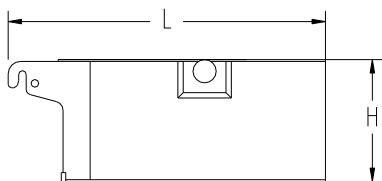
Outriggers are optional

Track carrier assy.

2 pieces*

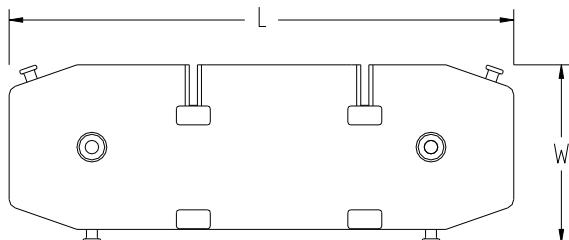


Length (L)	6340 mm
Width (W)	1040 mm
Height (H)	1120 mm
Weight	8340 kg

Central counterweight

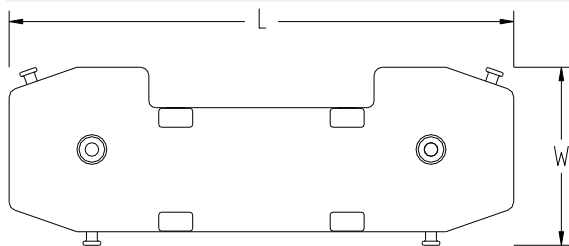
2 pieces

Length (L)	3720 mm
Width (W)	1320 mm
Height (H)	685 mm
Weight	2500 kg

Counterweight base

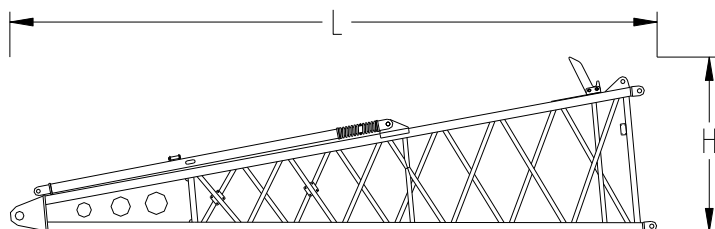
4 pieces

Length (L)	3720 mm
Width (W)	1220 mm
Height (H)	650 mm
Weight	4500 kg

Counterweight plate

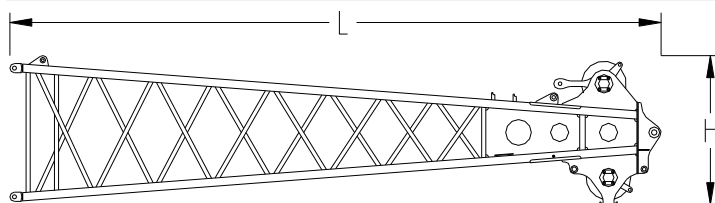
4 pieces

Length (L)	3720 mm
Width (W)	1220 mm
Height (H)	450 mm
Weight	6000 kg

Main boom pivot section

1 piece*

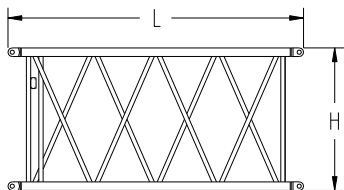
Length (L)	6700 mm
Width (W)	1690 mm
Height (H)	1800 mm
Weight	1070 kg

Main boom head

1 piece

Length (L)	7130 mm
Width (W)	1690 mm
Height (H)	1630 mm
Weight	1140 kg

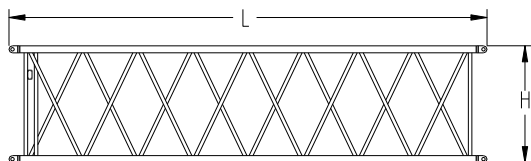
Main boom intermediate section of 3m



2 pieces*

Length (L)	3090 mm
Width (W)	1690 mm
Height (H)	1500 mm
Weight	260 kg

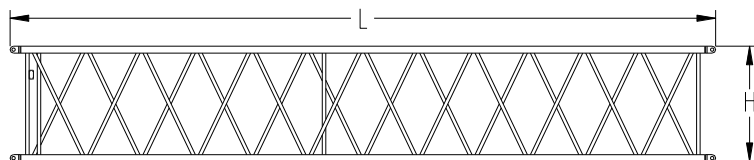
Main boom intermediate section of 6m



1 piece*

Length (L)	6090 mm
Width (W)	1690 mm
Height (H)	1500 mm
Weight	440 kg

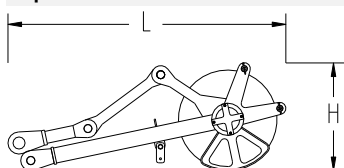
Main boom intermediate section of 9m



4 pieces*

Length (L)	9090 mm
Width (W)	1690 mm
Height (H)	1500 mm
Weight	640 kg

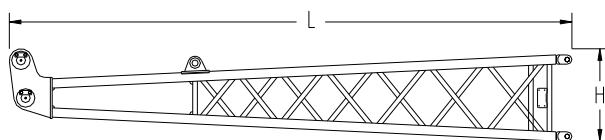
Tip boom



1 piece

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

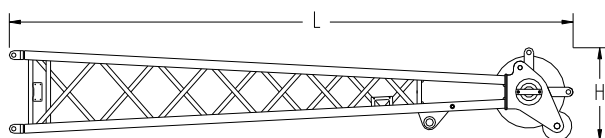
Fixed jib pivot section



1 piece*

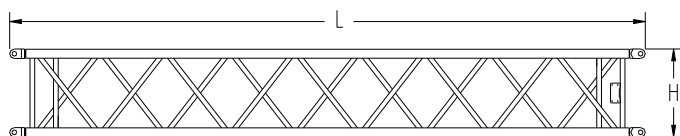
Length (L)	3640 mm
Width (W)	570 mm
Height (H)	570 mm
Weight	165 kg

Fixed jib head

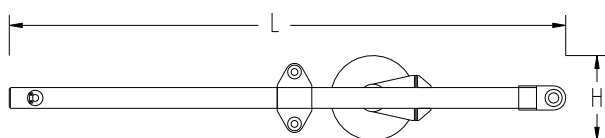


1 piece*

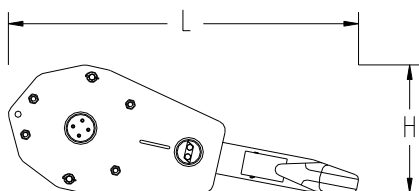
Length (L)	3820 mm
Width (W)	570 mm
Height (H)	570 mm
Weight	220 kg

Fixed jib intermediate section of 4m

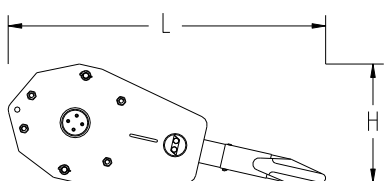
	3 pieces*
Length (L)	4060 mm
Width (W)	570 mm
Height (H)	570 mm
Weight	120 kg

FA-frame

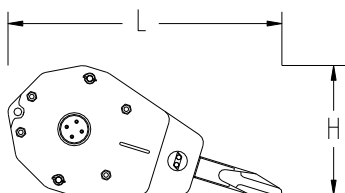
	1 piece*
Length (L)	3230 mm
Width (W)	730 mm
Height (H)	490 mm
Weight	280 kg

Load hook of 85t

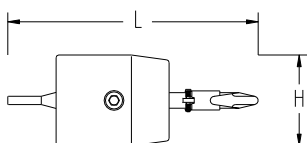
	1 piece*
Length (L)	1800 mm
Width (W)	670 mm
Height (H)	660 mm
Weight	1195 kg

Load hook of 55t

	1 piece*
Length (L)	1770 mm
Width (W)	585 mm
Height (H)	660 mm
Weight	925 kg

Load hook of 25t

	1 piece*
Length (L)	1400 mm
Width (W)	520 mm
Height (H)	660 mm
Weight	613 kg

Load hook of 9t

	1 piece*
Length (L)	955
Width (W)	350
Height (H)	350
Weight	265

Notes:

- Components are presented in diagrammatic drawings that are not drawn to scale. Length is a boundary dimension.

2. Weight of packaging is not counted in the weight above, which might be different from the actual weight due to manufacturing error.
3. There might be improvements made on components listed above, resulting modifications in dimensions and weight. Actual products to be delivered shall prevail.
4. Numbers of components marked * are determined by the actual need.