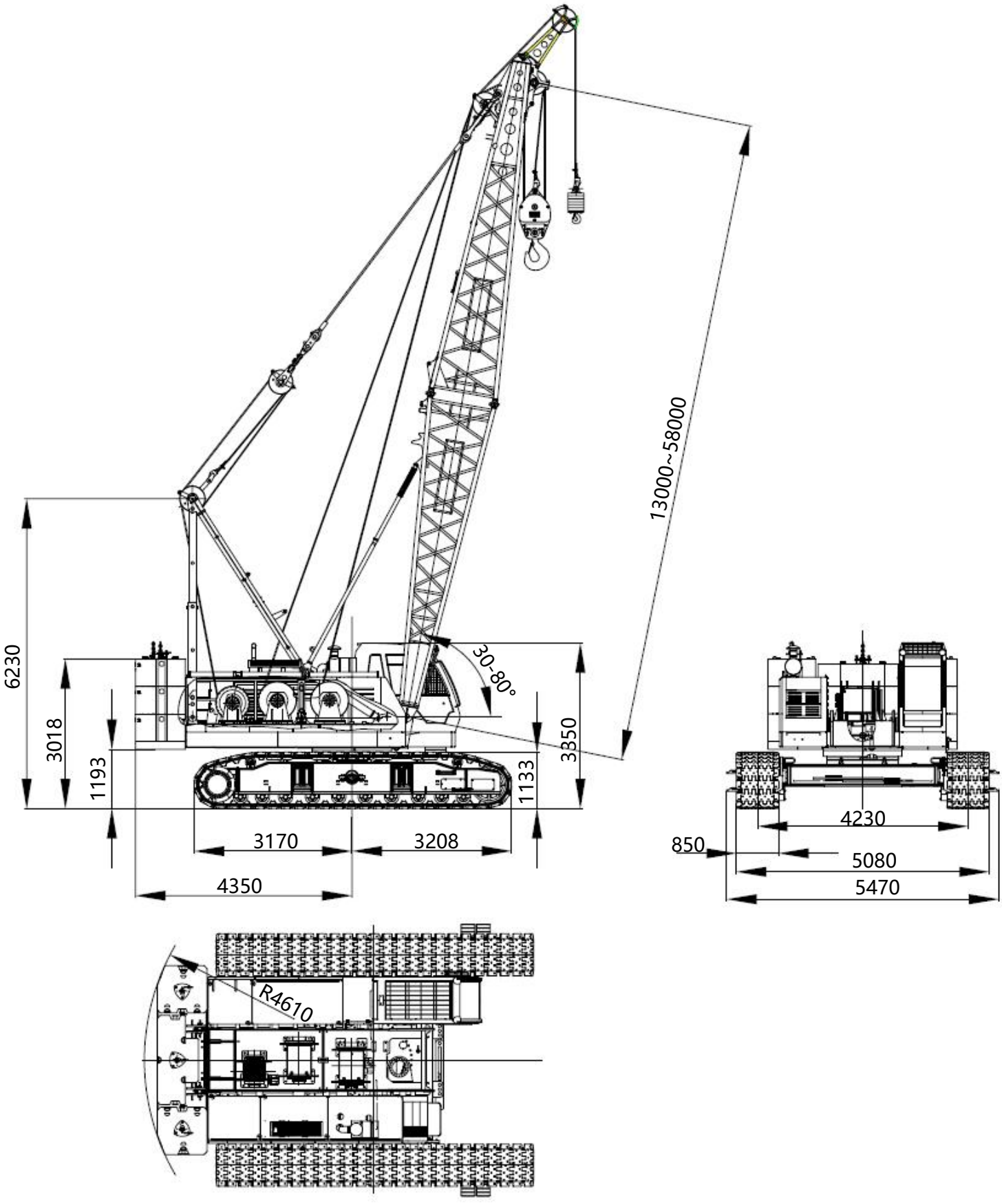
XGC85 CRAWLER CRANE

☐ Technical specification

The 1st edition, November 2024

Contents

Dimensions (mm)



Technical specifications

➢ Operator’s cab

- The shape of the cab adopts bionic design techniques, with smooth lines and a sense of strength. The cab has a larger glass area, side glass has more reasonable partition, more technological sense, and wider field of vision. The interior is human-centered, and the driver can touch all the buttons without getting up. The cab is equipped with adjustable seat, air conditioner, power sockets and radio to provide the operator with a comfortable operation environment.

➢ Engine system

- Brand & Model: Weichai WP7G270E301
- Type: 6-cylinder in line, water-cooling, turbocharged and inter-cooled, mechanical, four-stroke environmental friendly diesel engine
- Emission standard: EURO IIIA
- Rated power/rated speed: 199kW/2000rpm
- Maximum torque / speed at maximum torque: 1200N·m/1200-1500rpm

➢ Hydraulic system

- Load-sensitive LUDV system with hydraulic pilot proportional control can realize load-independent flow distribution, with accurate speed, sensitive operation, stable system and good fine motion performance. Special LUDV integrated main valve can realize the compound operation of any action, with compact structure and convenient maintenance. Innovatively utilizes micro-control adjustment technology to greatly enhance operational smoothness and precision.
- Special slewing buffer oil circuit design, allowing stable and gentle slewing start-stop, meeting the requirements of fine lifting operation.
- Fuel tank capacity: 400L.

➢ Electrical system

- Electrical system mainly includes the following parts: engine control, monitoring instruments, auxiliary equipment, hydraulic system control, load moment limit, safety monitoring and etc.
- Composition of electrical system: conventional electrical system and PLC monitoring system.
- Conventional electrical system adopts 24V parallel circuit, and the wiring of all electric equipment adopts negative grounding single wire system. It includes power supply, start control, cab air conditioner and audio, illumination (lights), wipers and etc.
- PLC monitoring system includes the control of main and auxiliary winches, slewing, main boom luffing and other movements, and the monitoring of engine state. All actions are controlled by hydraulic proportional control technology and PLC logic control of CAN-bus technology, which can effectively ensure the realization of each function of the crane and fully embody the design idea of people first.

Battery model	Rated voltage	Rated capacity
6-QAW-180D	12 V	180 Ah

Technical specifications

➢ Hoisting system

- Hoisting system includes main hoisting and aux. hoisting.
- For main and auxiliary hoisting systems, planetary reducer is driven by fixed displacement motor to lift and lower main hook or auxiliary hook through drum and pulley block, and to increase the lifting or lowering speed through double pump oil supply function.
- Main and auxiliary hoisting systems have built-in planetary reducer, with negative brake wet type multi-disc normally closed brake, to achieve "spring braking/hydraulic release" function, safe and reliable. The hoisting system also features easy oil change, low noise, high efficiency and long service life. Additionally, it is excellent in fine motion performance.

Hoisting system	Main hoisting system	Auxiliary hoisting system
Diameter of wire rope	22mm	
Rated single line pull	8t	
Winch rope length	240m	145mm

➢ Luffing system

- For luffing system, planetary reducer is driven by fixed displacement hydraulic motor to achieve main boom luffing through drum and luffing pulley block.
- Luffing system has a built-in planetary reducer, with negative brake wet type multi-disc normally closed brake to achieve "spring braking/hydraulic release" function.
- Ductile iron double fold-line single drum is used for main luffing winch, with good vibration absorption, ensures that no rope disorder occurs when it is wound in multiple layers, which effectively prolong the service life of the rope. The drum has a ratchet locking device, and the pawl is driven by hydraulic cylinder to achieve multiple lock for protection.

Luffing system	Diameter of wire rope	20mm
	Winch rope length	140m
	6t	

➢ Slewing system

- Slewing system is internally meshed with slewing ring for drive. It is arranged in front of turntable. Planetary reducer is driven by fixed displacement motor to drive the slewing ring to achieve 360° slewing.
- Slewing system has a built-in planetary reducer, with negative brake wet type multi-disc normally closed brake to achieve "spring braking/hydraulic release" function, so as to ensure high brake safety. A mechanical slewing locking device is set to realize locking protection.
- Eccentric mechanism can ensure a better meshing between the reducer and slewing bearing, so the slewing is more stable. Slewing system has free sliding function, so when heavy load is lifted, the side force of boom can be eliminated even if the hook is not on the vertical center line of the gravity center of the heavy load, so as to prevent boom from being damaged due to large side force.

Technical specifications

➢ Hook and parts of line

- The hook blocks used for this crane are as follows

Hook name	85t	55t	25t	8t
Weight (t)	0.89	0.62	0.3	0.14
Number of pulleys	7	5	1	-
Max. parts of line	12	10	3	1

- Parameters used for hook reeved with wire rope are as follows:

Parts of line	1	2	3	4	5	6	7	8	9	10	11	12
Max. lifting weight (t)	8	16	24	32	40	47	55	62	70	77	84	85

➢ Counterweight

- Counterweight is 28.2t in total, installed at the rear part of turntable by pin shafts. Counterweight composition:
- Counterweight tray 1×6t, left and right counterweight slab 6×2t, central counterweight slab 2×5.1t.

Name	Counterweight tray	Left counterweight slab	Right counterweight slab	Central counterweight slab
Weight (t)	6	2	2	5.1
Qty.	1	3	3	2

➢ Oil cylinder assembly

- It includes track frame telescopic cylinder and main luffing ratchet lock cylinder.
- Oil cylinder is used as the power to extend or retract the crawler tracks, it shares one main valve with left crawler travel. The interchange between travel and crawler track extension/retraction is convenient, the action is gentle with small impact. The track gauge of the crane is easy to change to meet the requirements of transportation and working.
- Main luffing ratchet lock cylinder is used to control the ratchet pawl. When main luffing operating switch is turned on, the paw opens automatically. When main luffing operating switch is turned off, the paw closes automatically. No additional manual operation is required, safe and convenient.

Technical specifications

➢ Boom system

Type	No.	Code	Name	Length (m)
Main boom	①	ZB-1513-1	Main boom butt	6.5
	②	ZB-1513-2	3m insert section	3
	③	ZB-1513-3	6m insert section	6
	④	ZB-1513-4	9m insert section	9
	⑤	ZB-1513-5	Main boom top	6.5
Jib	⑥	FB-0604-21	Jib butt	4.0
	⑦	FB-0604-22	3m insert section	3.0
	⑧	FB-0604-23	6m insert section	6.0
	⑨	FB-0604-24	Jib top	3.0

- The boom sections of XGC85 crawler crane use high-strength seamless steel pipes as main chords and lacing members, supplemented by four-chord lattice structure welded by high strength steel plate, with equal section in the middle and variable section at two ends. With the help of accurate finite element analysis and calculation, the potential of boom sections is fully utilized and the lifting capacity is greatly improved.
- Under main boom operation mode, main boom length is 13~58m. See “operation modes and lifting performance" of this document for main boom combinations in this operation modes.
- Under fixed jib operation mode, main boom length is 31～49m, jib length is 7～19m. See “operation modes and lifting performance" of this document for main boom/jib combinations in this operation modes.
- Under boom end single pulley operation mode, main boom length is 13~58m. See “operation modes and lifting performance" of this document for main boom combinations in this operation modes.

➢ Boom luffing components

- Luffing is mainly realized through guy cables, supplemented by pendants. The guy cables adopt mature structure, safe and reliable; the pendants use high-strength steel plate and cut once for formation, no welding, with less manufacturing defects and has high safety factor.

➢ Safety devices

- This crane widely uses mechanical, electronic and hydraulic safety and warning devices to ensure the safe use of the machine. Safety devices include: load moment indicator, slewing lock device, backstop device, hoist height limit switch, boom angle limiter, anemometer, slewing warning and hydraulic system relief valve, balance valve and etc.

Optional parts

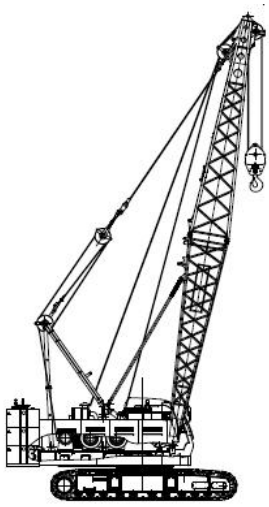
➢ Optional parts

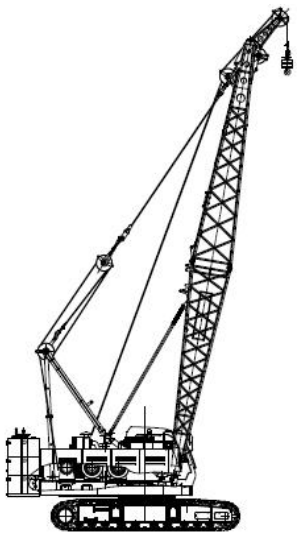
Hook block	85t block
Main hoisting system	Quick-release winch for empty main hook: replace the conventional main winch
Auxiliary hoisting system	Quick-release winch for empty aux. hook: replace the conventional aux. winch
Monitoring system	Turntable winch monitoring, turntable tail monitoring, boom head monitoring and right turntable monitoring
Data recorder	Collect and record the data of the whole crane
Slewing virtual wall	Use slewing encoder to control slewing action
Electronic level indicator	Monitor the balance state of the crane
Bottom sealing plate of turntable	Provide protection for pipelines and components on turntable

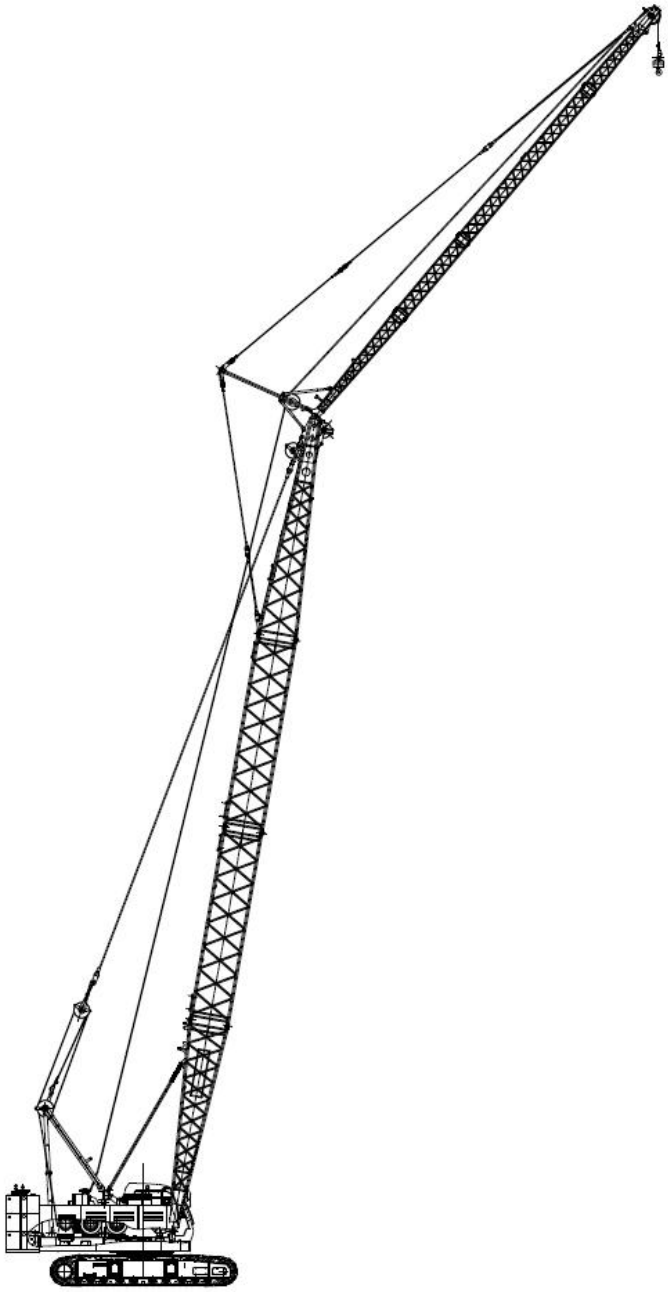
Main technical parameters

Item		Unit	Value
Max. rated lifting capacity	Main boom operation mode	t	85
	Boom end single pulley operation mode	t	8
	Fixed jib operation mode (without main hook)	t	12
Max. lifting moment	Main boom operation mode	t·m	341
	Fixed jib operation mode	t·m	196.4
	Boom end single pulley operation mode	t·m	191.8
Dimension parameters	Main boom length	m	13 ~ 58
	Main boom luffing angle	°	-3 ~ 80
	Fixed jib length	m	7 ~ 19
	Angle between main boom and fixed jib	°	10, 30
	Boom end single pulley	m	1.4
Speed parameters	Hoisting system max. single rope speed	m/min	122
	Main boom luffing system max. single rope speed	m/min	70
	Max. slewing speed	rpm	2.0
	Max. travel speed	km/h	0.9
Engine	Engine model	-	Weichai WP7G270E301
	Rated power/rated speed	kW/rpm	199/2000
	Emission standard	-	EU IIIA
Total mass of the crane (with 13m basic boom and 85t hook block)		t	71.5
Average ground pressure		MPa	0.087
Grade ability		-	30%
Max. weight of single piece in transport state		t	41.2
Max. dimension of single piece (turntable) in transport state (L×W×H)		m	13.05×3.4×3.3

Operation modes and lifting performance





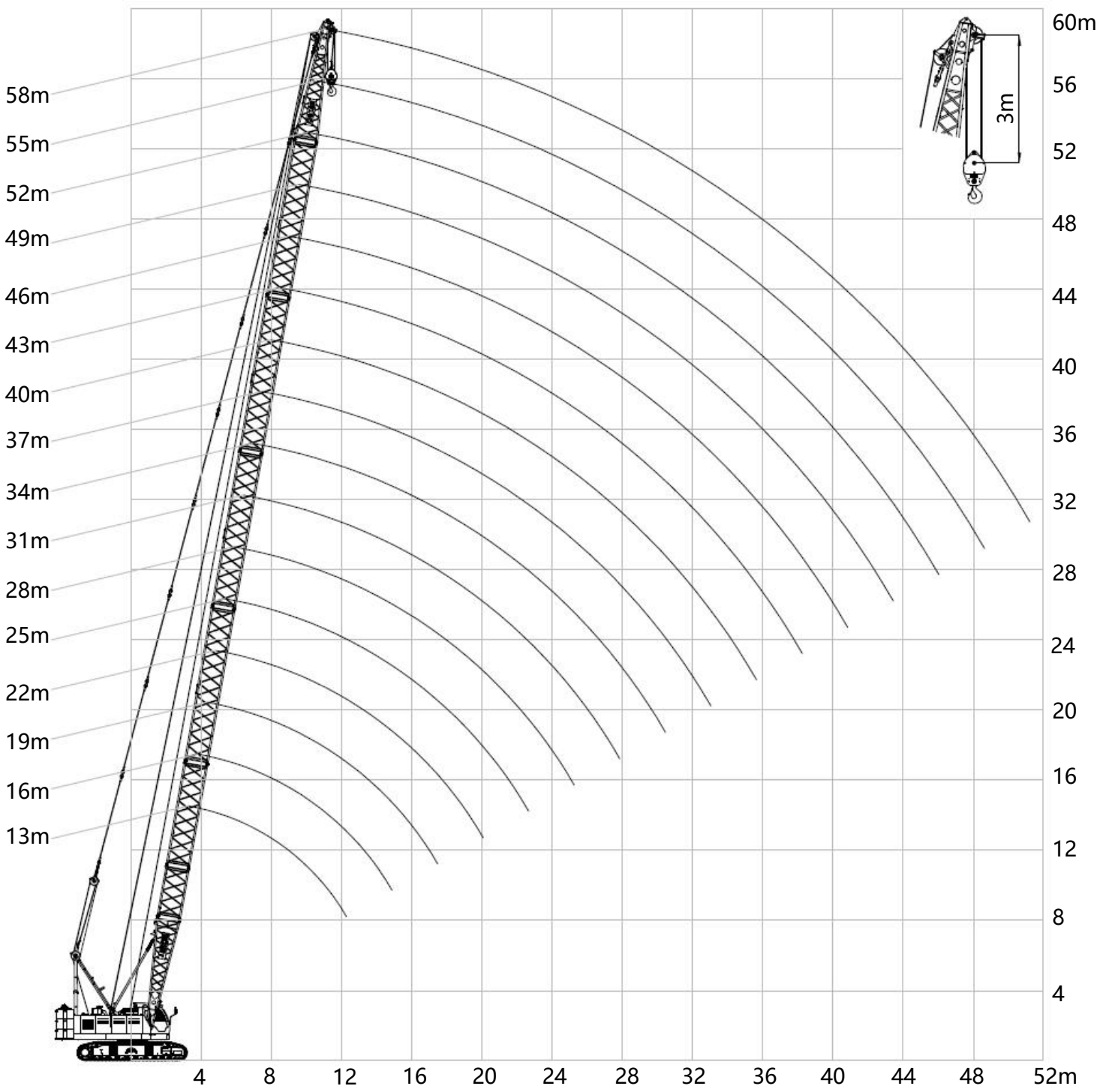


Main boom operation mode HB	Boom end single pulley HBS	Fixed jib operation mode HF (main boom without hook)
HB（13～58）m	HBS（13～58）m+1.4 m	HF（31～49）m+（7～19）m

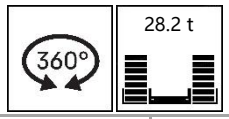
Operation modes and lifting performance——HB

Main boom combination					
Main boom length (m)	Code				
	Main boom butt (6.5m)	3m insert section (3m)	6m insert section (6m)	9m insert section (9m)	Main boom top (6.5m)
13	1	0	0	0	1
16	1	1	0	0	1
19	1	0	1	0	1
22	1	0	0	1	1
25	1	1	0	1	1
28	1	0	1	1	1
31	1	0	0	2	1
34	1	1	0	2	1
37	1	0	1	2	1
40	1	0	0	3	1
43	1	1	0	3	1
46	1	0	1	3	1
49	1	0	0	4	1
52	1	1	0	4	1
55	1	0	1	4	1
58	1	1	1	4	1

Operation modes and lifting performance——HB



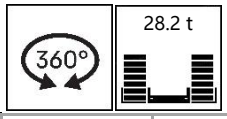
Operation modes and lifting performance——HB



Main boom length 13~34m

m	13	16	19	22	25	28	31	34
4	85.0							
5	68.2	66.9	59.6					
6	54.3	52.1	51.9	51.8	46.3			
7	43.7	43.0	42.0	41.8	41.5	40.8	37.1	
8	35.9	35.8	35.5	34.9	34.7	34.1	33.9	33.6
9	30.4	30.3	30.3	30.0	29.7	29.1	29.0	28.7
10	26.3	26.2	26.2	26.1	25.9	25.4	25.2	24.9
12	20.6	20.5	20.5	20.4	20.2	20.2	20.0	19.5
14		16.8	16.7	16.6	16.6	16.4	16.3	16.2
16			14.1	14.0	13.9	13.7	13.7	13.5
18				12.0	11.9	11.8	11.7	11.5
20				10.5	10.3	10.2	10.1	10.0
22					9.0	9.0	8.9	8.7
24						8.0	7.9	7.7
26							7.1	6.9
28							6.3	6.2
30								5.6

Operation modes and lifting performance——HB

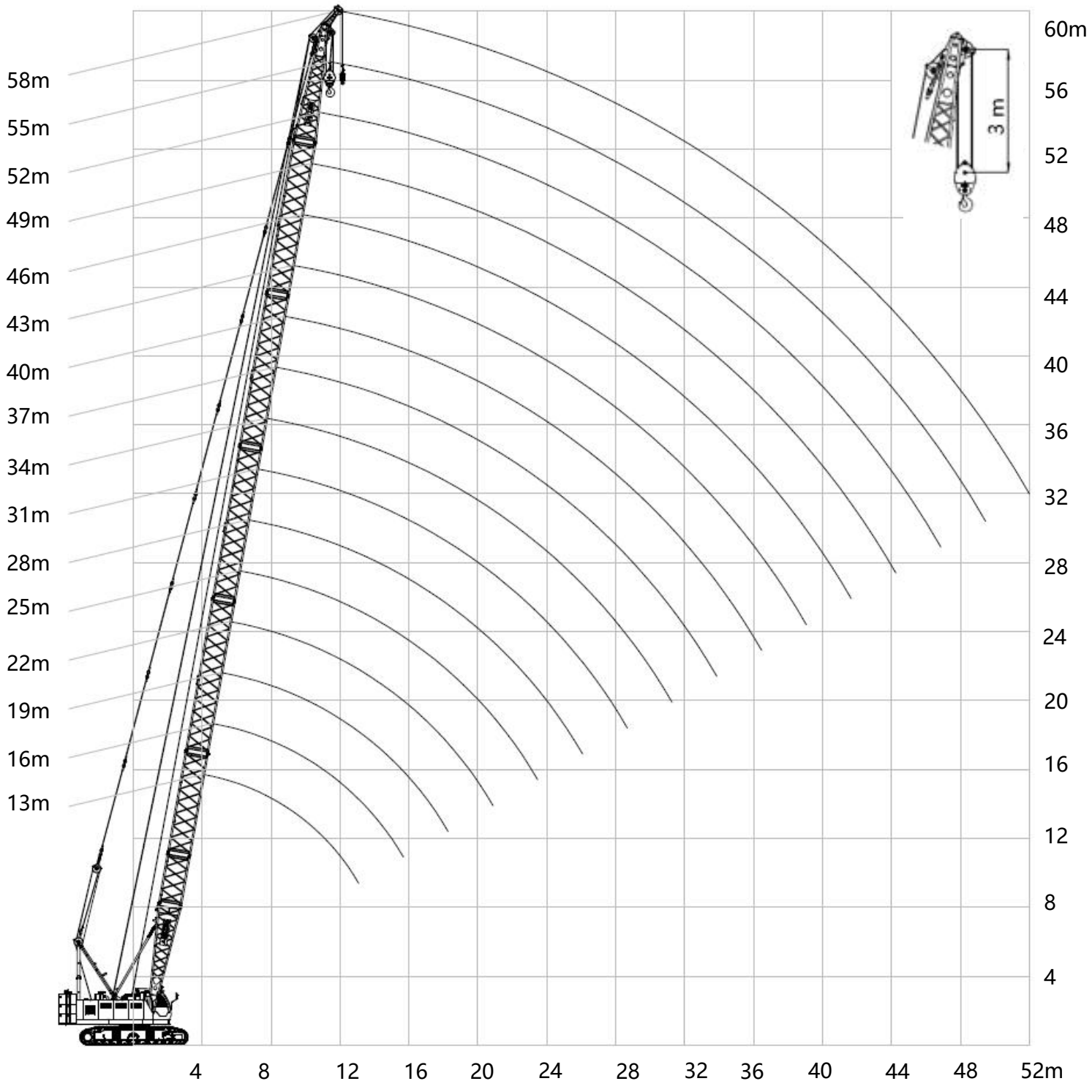


Main boom length 37~58m

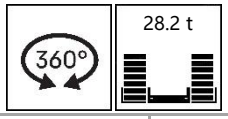
m	37	40	43	46	49	52	55	58
8	30.1							
9	28.5	26.2	25.1					
10	24.7	24.5	23.3	22.7	20.6			
12	19.3	19.2	18.9	18.7	18.5	17.9	16.6	14.5
14	16.0	15.6	15.3	15.1	14.9	14.6	14.4	13.6
16	13.4	13.3	13.0	12.6	12.4	12.2	12.1	11.6
18	11.4	11.3	11.1	11.0	10.7	10.3	10.1	10.0
20	9.8	9.7	9.6	9.4	9.3	9.1	8.9	8.7
22	8.6	8.5	8.3	8.2	8.1	7.9	7.8	7.6
24	7.6	7.5	7.3	7.2	7.1	6.9	6.8	6.6
26	6.7	6.7	6.4	6.4	6.3	6.0	6.0	5.8
28	6.0	5.9	5.7	5.7	5.6	5.5	5.2	5.1
30	5.4	5.3	5.1	5.1	5.0	4.8	4.6	4.5
32	4.8	4.7	4.6	4.5	4.4	4.2	4.1	3.9
34		4.3	4.1	4.1	3.9	3.8	3.7	3.4
36			3.7	3.7	3.5	3.4	3.2	3.0
38			3.3	3.3	3.1	3.0	2.9	2.6
40				3.0	2.8	2.7	2.5	2.3
42					2.5	2.4	2.3	2.0
44						2.1	2.0	1.7
46						1.8	1.8	1.5
48							1.5	1.2
50								1.0

Operation modes and lifting performance——HBS

Main boom combination
• Main boom lengths and main boom combinations in HBS operation mode are the same with those in HB operation mode. • Boom end single pulley is installed on main boom top section.



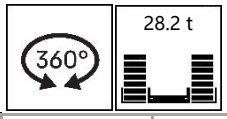
Operation modes and lifting performance——HBS



Main boom length 13~34m

m	13	16	19	22	25	28	31	34
5	8							
6	8	8	8					
7	8	8	8	8	8			
8	8	8	8	8	8	8	8	
9	8	8	8	8	8	8	8	8
10	8	8	8	8	8	8	8	8
12	8	8	8	8	8	8	8	8
14		8	8	8	8	8	8	8
16		8	8	8	8	8	8	8
18			8	8	8	8	8	8
20				8	8	8	8	8
22				8	8	8	8	8
24					8	8	7.9	7.7
26						7.1	7.1	6.9
28							6.3	6.2
30							5.6	5.6
32								4.8

Operation modes and lifting performance——HBS



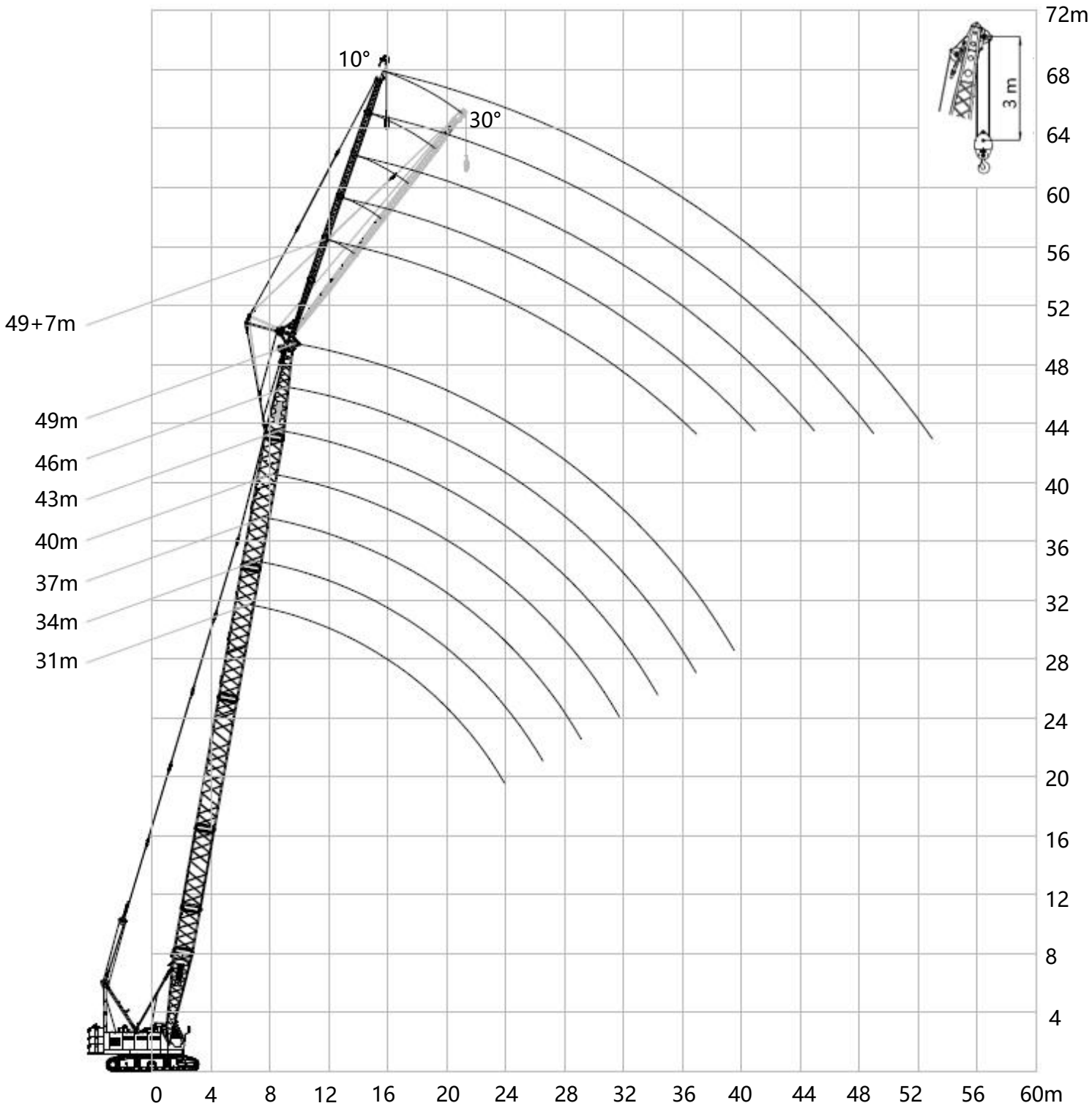
Main boom length 37~58m

m	37	40	43	46	49	52	55	58
9	8							
10	8	8	8					
12	8	8	8	8	8	8	8	
14	8	8	8	8	8	8	8	8
16	8	8	8	8	8	8	8	8
18	8	8	8	8	8	8	8	8
20	8	8	8	8	8	8	8	8
22	8	8	8	8	8	7.9	7.8	7.6
24	7.6	7.5	7.3	7.2	7.1	6.9	6.8	6.6
26	6.7	6.7	6.4	6.4	6.3	6	6	5.8
28	6	5.9	5.7	5.7	5.6	5.5	5.2	5.1
30	5.4	5.3	5.1	5.1	5	4.8	4.6	4.5
32	4.8	4.7	4.6	4.5	4.4	4.2	4.1	3.9
34	4.3	4.3	4.1	4.1	3.9	3.8	3.7	3.4
36		3.7	3.7	3.7	3.5	3.4	3.2	3
38			3.3	3.3	3.1	3	2.9	2.6
40			3	3	2.8	2.7	2.5	2.3
42				2.5	2.5	2.4	2.3	2
44					2.1	2.1	2	1.7
46						1.8	1.8	1.5
48						1.5	1.5	1.2
50							1	1

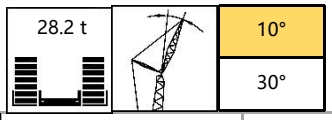
Operation modes and lifting performance——HF

Fixed jib combination				
Jib length (m)	Code			
	Jib butt (4m)	3m insert section (3m)	6m insert section (6m)	Jib top (3m)
7	1	0	0	1
10	1	1	0	1
13	1	0	1	1
16	1	1	1	1
19	1	2	1	1
Note: Main boom sections are the same with those in HB operation mode.				

Operation modes and lifting performance——HF



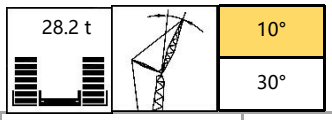
Operation modes and lifting performance——HF



Main boom: 31m; fixed jib: 7～19m

m	7		10		13		16		19	
9	12.0									
10	12.0		9.6							
12	12.0	9.5	9.1		7.2		5.6			
14	12.0	9.2	8.4	6.4	6.8		5.3		4.1	
16	11.5	9.0	8.1	6.2	6.5	4.9	5.0		3.8	
18	11.1	8.8	7.7	6.0	6.2	4.5	4.8	3.6	3.6	
20	9.6	8.6	7.4	5.9	5.9	4.3	4.6	3.6	3.4	2.6
22	8.4	8.4	7.1	5.7	5.7	4.2	4.3	3.5	3.2	2.6
24	7.4	7.5	6.9	5.3	5.4	4.1	4.1	3.4	3.1	2.6
26	6.6	6.7	6.6	5.2	5.2	4.0	3.9	3.3	2.9	2.5
28	5.9	6.0	6.0	5.1	4.8	3.9	3.8	3.2	2.8	2.4
30	5.3	5.3	5.4	5.0	4.6	3.8	3.6	3.1	2.7	2.3
32	4.8	4.8	4.9	4.9	4.5	3.8	3.4	3.0	2.5	2.2
34	4.3	4.3	4.4	4.5	4.4	3.7	3.3	2.9	2.4	2.1
36			4.0	4.0	4.1	3.7	3.2	2.8	2.4	2.1
38				3.7	3.8	3.7	3.1	2.8	2.3	2.0
40					3.4	3.5	3.0	2.7	2.2	1.9
42							2.9	2.7	2.1	1.9
44								2.6	2.0	1.8
46										1.8

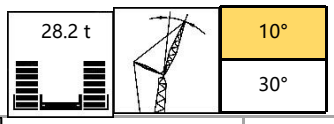
Operation modes and lifting performance——HF



Main boom: 37m; fixed jib: 7～19m

m	7		10		13		16		19	
10	12.0									
12	12.0	9.5	8.0		7.3					
14	12.0	9.3	8.0	6.5	7.0		5.4		4.2	
16	11.8	9.1	8.0	6.3	6.6	4.9	5.2		4.0	
18	10.9	8.9	8.0	6.1	6.4	4.8	4.9	3.7	3.8	
20	9.4	8.8	7.7	6.0	6.1	4.4	4.7	3.6	3.6	2.6
22	8.1	8.3	7.4	5.9	5.9	4.3	4.5	3.5	3.4	2.5
24	7.1	7.3	7.2	5.7	5.7	4.2	4.3	3.4	3.2	2.4
26	6.3	6.4	6.4	5.3	5.5	4.1	4.2	3.3	3.1	2.4
28	5.6	5.7	5.7	5.2	5.0	4.0	4.0	3.2	2.9	2.3
30	5.0	5.1	5.1	5.1	4.9	3.9	3.8	3.1	2.8	2.2
32	4.5	4.6	4.6	4.7	4.7	3.9	3.7	3.0	2.7	2.1
34	4.1	4.1	4.1	4.2	4.2	3.8	3.5	2.9	2.6	2.1
36	3.7	3.7	3.7	3.8	3.8	3.8	3.4	2.9	2.5	2.0
38	3.3	3.3	3.4	3.4	3.5	3.6	3.3	2.8	2.4	2.0
40	3.0	3.0	3.1	3.1	3.2	3.2	3.2	2.8	2.3	1.9
42			2.8	2.8	2.9	2.9	2.9	2.7	2.3	1.9
44					2.6	2.6	2.6	2.7	2.2	1.8
46						2.4	2.4	2.5	2.1	1.8
48							2.2	2.2	2.0	1.8
50									2.0	1.8
52										1.8

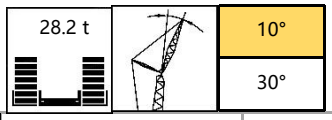
Operation modes and lifting performance——HF



Main boom: 43m; fixed jib: 7～19m

m	7		10		13		16		19	
11	8.0									
12	8.0									
14	8.0	8.0	8.0		7.0		5.4			
16	8.0	8.0	8.0	6.3	6.8		5.2		4.0	
18	8.0	8.0	8.0	6.2	6.5	4.8	5.0		3.9	
20	8.0	8.0	7.9	6.1	6.3	4.5	4.8	3.6	3.7	
22	7.9	8.0	7.6	5.9	6.1	4.4	4.6	3.6	3.5	2.6
24	6.9	7.0	7.0	5.8	5.8	4.3	4.5	3.5	3.3	2.5
26	6.0	6.2	6.2	5.7	5.7	4.2	4.3	3.4	3.2	2.4
28	5.3	5.5	5.5	5.3	5.2	4.1	4.2	3.3	3.1	2.3
30	4.7	4.8	4.8	5.0	5.0	4.0	4.0	3.2	3.0	2.3
32	4.2	4.3	4.3	4.5	4.4	4.0	3.9	3.1	2.8	2.2
34	3.8	3.8	3.9	4.0	4.0	3.9	3.7	3.0	2.7	2.2
36	3.4	3.4	3.5	3.6	3.6	3.7	3.6	3.0	2.6	2.1
38	3.0	3.1	3.1	3.2	3.2	3.3	3.2	2.9	2.6	2.0
40	2.7	2.7	2.8	2.8	2.9	3.0	2.9	2.8	2.5	2.0
42	2.4	2.4	2.5	2.5	2.6	2.7	2.6	2.8	2.4	1.9
44	2.1	2.1	2.2	2.3	2.3	2.4	2.4	2.5	2.3	1.9
46			2.0	2.0	2.1	2.1	2.1	2.2	2.1	1.9
48			1.7	1.8	1.8	1.9	1.9	2.0	1.9	1.8
50					1.6	1.7	1.7	1.8	1.7	1.8
52							1.5	1.6	1.5	1.7
54								1.4	1.4	1.5
56									1.2	1.3

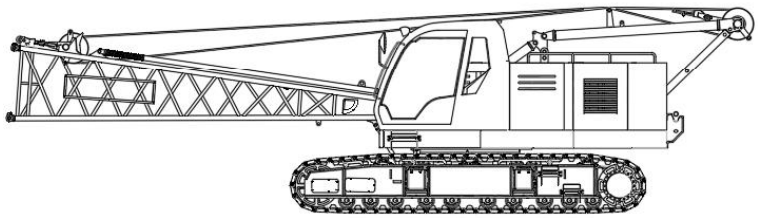
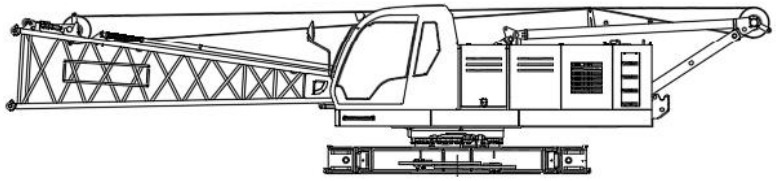
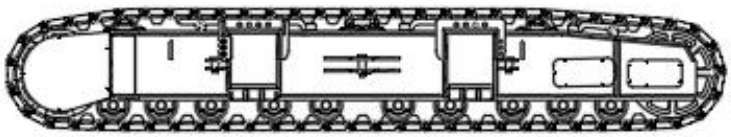
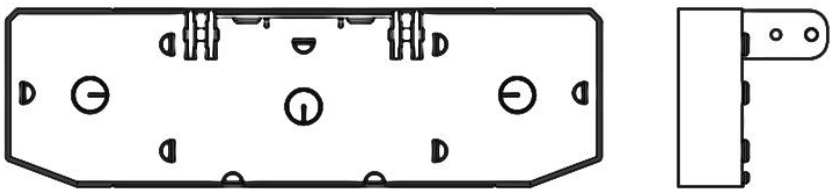
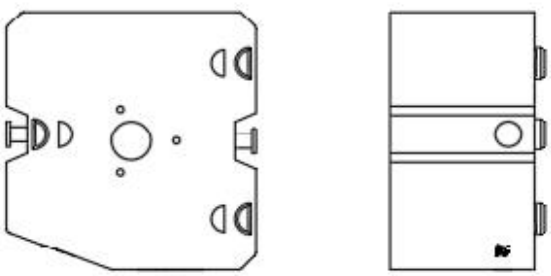
Operation modes and lifting performance——HF



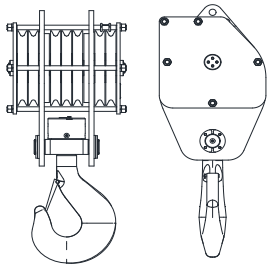
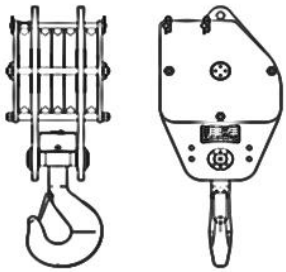
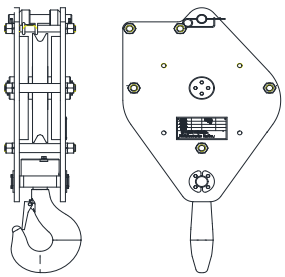
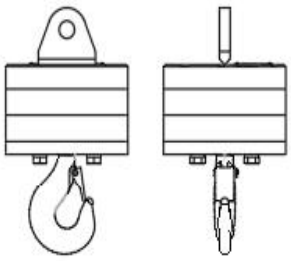
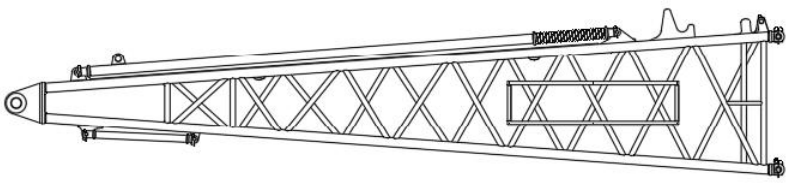
Main boom: 49m; fixed jib: 7～19m

m	7		10		13		16		19	
12	8.0									
14	8.0		8.0							
16	8.0	8.0	8.0		6.8		5.2		4.1	
18	8.0	8.0	8.0	6.5	6.6	5.1	5.1		3.9	
20	8.0	8.0	8.0	6.4	6.4	5.0	4.9	3.8	3.7	
22	7.6	7.9	7.7	6.2	6.2	4.9	4.7	3.8	3.6	2.6
24	6.6	6.8	6.8	6.1	6.0	4.8	4.6	3.7	3.4	2.6
26	5.8	6.0	5.9	6.0	5.5	4.7	4.4	3.6	3.3	2.6
28	5.1	5.3	5.2	5.5	5.3	4.3	4.3	3.5	3.2	2.5
30	4.5	4.6	4.6	4.8	4.7	4.3	4.1	3.4	3.1	2.4
32	4.0	4.1	4.1	4.3	4.2	4.2	4.0	3.3	3.0	2.4
34	3.5	3.6	3.6	3.8	3.7	4.0	3.8	3.2	2.9	2.3
36	3.1	3.2	3.2	3.4	3.3	3.5	3.4	3.2	2.8	2.3
38	2.8	2.8	2.9	3.0	3.0	3.2	3.0	3.1	2.7	2.2
40	2.5	2.5	2.5	2.7	2.6	2.8	2.7	2.9	2.6	2.1
42	2.2	2.2	2.2	2.3	2.3	2.5	2.4	2.6	2.4	2.1
44	1.9	1.9	2.0	2.1	2.1	2.2	2.1	2.3	2.2	2.0
46	1.7	1.7	1.7	1.8	1.8	1.9	1.9	2.0	1.9	2.0
48	1.4	1.5	1.5	1.6	1.6	1.7	1.7	1.8	1.7	1.9
50	1.2	1.2	1.3	1.4	1.4	1.5	1.5	1.6	1.5	1.7
52			1.1	1.1	1.2	1.3	1.3	1.4	1.3	1.5
54					1.0	1.1	1.1	1.2	1.1	1.3
56								1.0	1.0	1.1

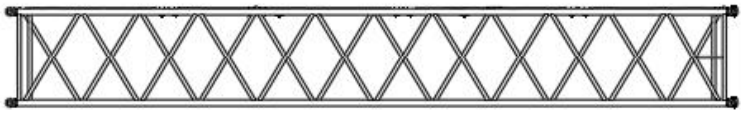
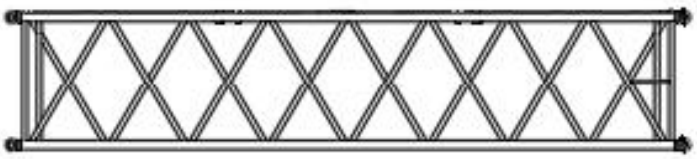
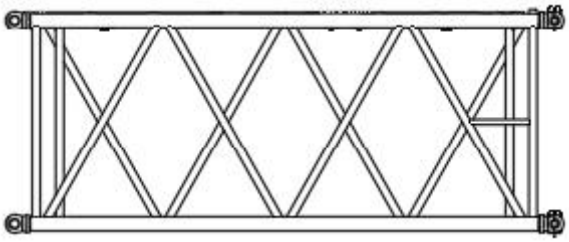
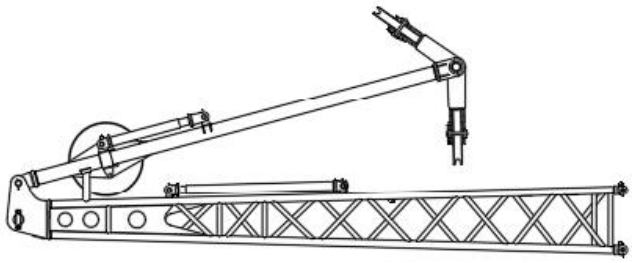
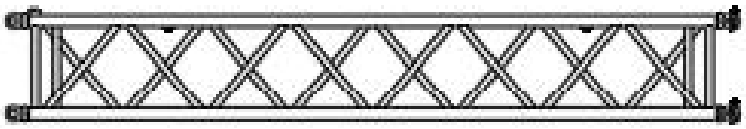
Dimensions of transported components

	Basic crane transport plan 1	×1
	Length	13050mm
	Width	3400mm
	Height	3300mm
	Weight	41200 kg
	Basic crane transport plan 2	×1
	Length	13050mm
	Width	3400mm
	Height	2800mm
	Weight	23000 kg
	Left track frame	×1
	Length	6370mm
	Width	1180mm
	Height	1130mm
	Weight	9500 kg
	Right track frame	×1
	Length	6370mm
	Width	1180mm
	Height	1130mm
	Weight	9500 kg
	Counterweight tray	×1
	Length	3800mm
	Width	1000mm
	Height	738mm
	Weight	6000 kg
	Left and right counterweight slabs	×6
	Length	1000mm
	Width	950mm
	Height	590mm
	Weight	2000 kg

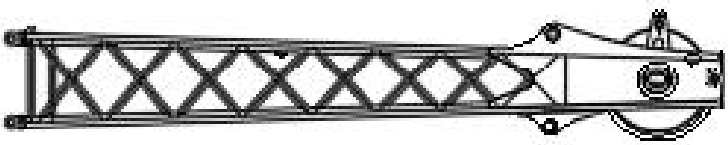
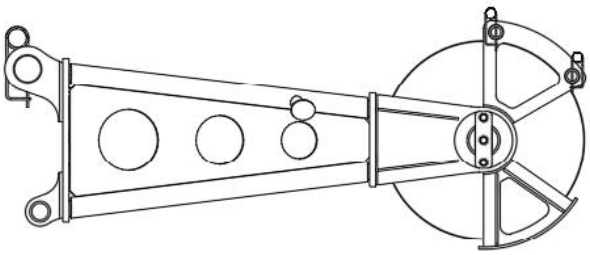
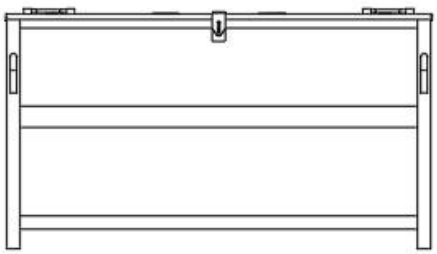
Dimensions of transported components

	Central counterweight slab I	×2
	Length	1800mm
	Width	830mm
	Height	905mm
	Weight	5100 kg
	85t block	×1
	Length	705mm
	Width	630mm
	Height	1650mm
	Weight	890 kg
	55t block	×1
	Length	540mm
	Width	630mm
	Height	1500mm
	Weight	620 kg
	25t block	×1
	Length	280mm
	Width	620mm
	Height	1200mm
	Weight	300 kg
	8t block	×1
	Length	320mm
	Width	320mm
	Height	750mm
	Weight	260 kg
	6.5m main boom butt	×1
	Length	6670mm
	Width	1690mm
	Height	1570mm
	Weight	1086 kg

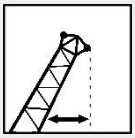
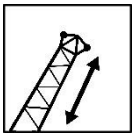
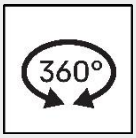
Dimensions of transported components

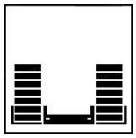
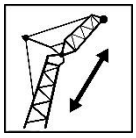
	6.5m main boom butt	×1
	Length	7100mm
	Width	1690mm
	Height	1600mm
	Weight	1047 kg
	9m main boom insert section	×4
	Length	9120mm
	Width	1690mm
	Height	1420mm
	Weight	810 kg
	6m main boom insert section	×1
	Length	6120mm
	Width	1690mm
	Height	1420mm
	Weight	590 kg
	3m main boom insert section	×1
	Length	3120 mm
	Width	1690mm
	Height	1420mm
	Weight	340 kg
	Fixed jib butt	×1
	Length	4105mm
	Width	700mm
	Height	1653mm
	Weight	500 kg
	3m fixed jib insert section	×2
	Length	3060mm
	Width	655 mm
	Height	485mm
	Weight	104 kg

Dimensions of transported components

	6m fixed jib insert section	×1
	Length	6060mm
	Width	655mm
	Height	485 mm
	Weight	192 kg
	Fixed jib top	×1
	Length	3330mm
	Width	655mm
	Height	633mm
	Weight	216 kg
	Boom end single pulley	×1
	Length	1400mm
	Width	625mm
	Height	562mm
	Weight	93 kg
	Guy cable box	×1
	Length	1100mm
	Width	1100mm
	Height	680mm
	Weight	163 kg

Symbols

	Rated lifting capacity
	Working radius
	Main boom length
	360° slewing

	Turntable counterweight
	Angle between main boom and jib
	Fixed jib combination length

Points for attention

1. Do not rely on this document to operate the crane! For correct operating instructions of the crane, please refer to "Operation Manual" and "Rated Lifting Capacity Manual".

2. The unit of rated lifting capacity in the table is “t”. It is the maximum total lifting capacity that the crane can guarantee on a stable and horizontal surface under the current boom length and radius, including the weight of the hook, sling and wire rope. The actual weight of the load is the value after the weight of above items is subtracted.

3. The working radius in the lifting performance table is the horizontal distance from the gravity center of the lifted load to the slewing axis of the crane when the load is lifted off the ground.

4. This product has multiple operation modes, and the product images in the document may not be standard configurations. Each functional component can be customized and purchased according to different needs.

5. This document only provides part of the lifting performance of the product. Please refer to "Operation Manual" and "Rated Lifting Capacity Manual" for lifting performances in details.

6. This printed material does not belong to the contract. We reserve the right to make changes to product models, parameters and configurations without notice due to the need of continuous product improvement. The pictures are for reference only, please prevail to the actual product.

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