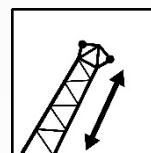


XLC110MC CRAWLER CRANE

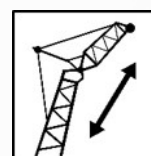
□ Technical specification



100t



64m

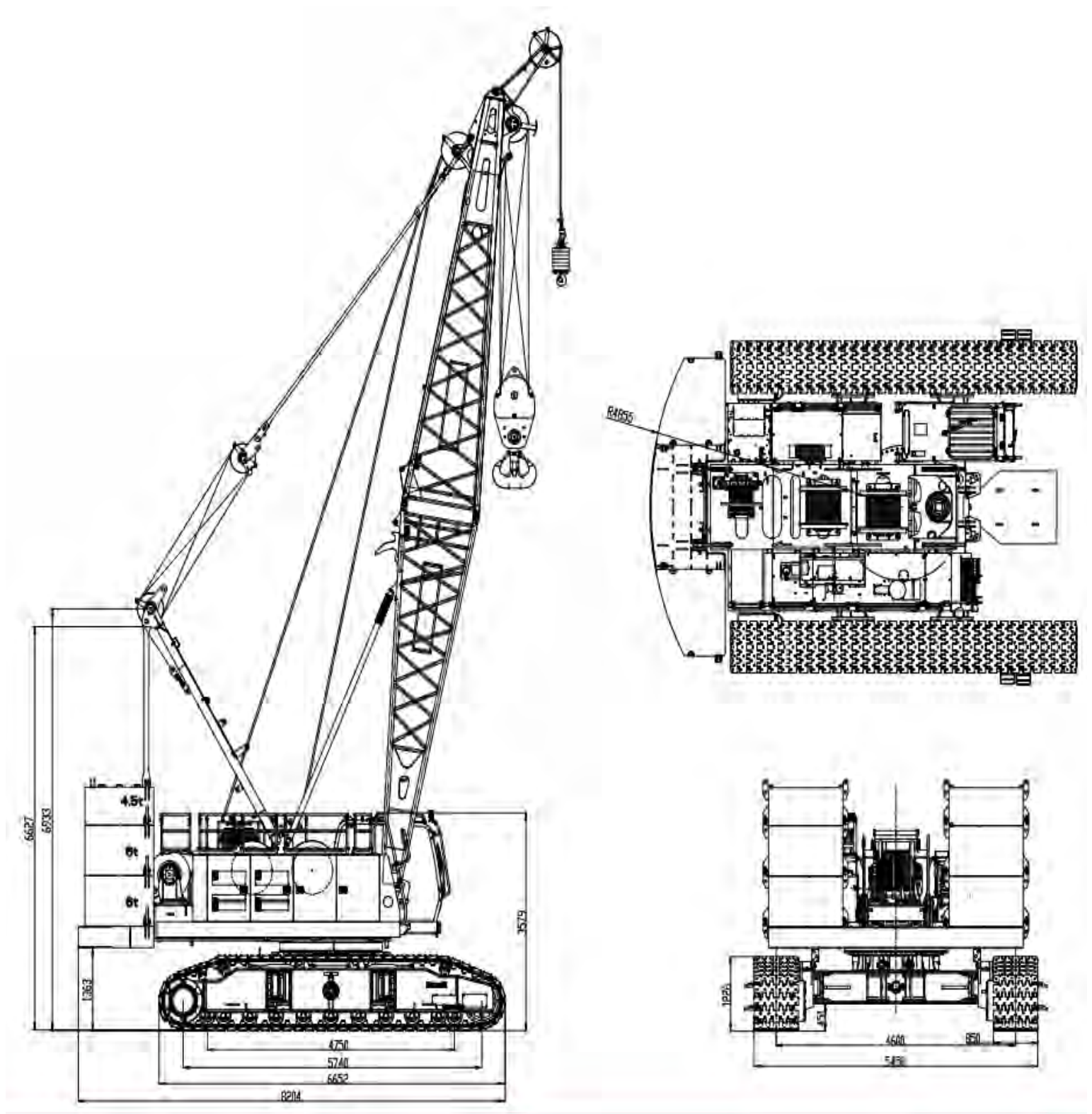


52+19m

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Dimensions (mm)



XCMG_XLC110MC

Technical specifications

➤ Car-body

- Car-body is made of high-strength steel plates and welded in box type structure, cross panel is set in the middle to strengthen its stiffness of torsion resistance. Simple structure, good technology, high load bearing, and good rigidity.

➤ Track frame

- It includes track frame, lower roller, drive sprocket, idler roller, upper roller and track shoe. Track frame is box type structure, its connection with car-body is strengthened partially, and cross panel is installed in the middle of it. Two track frames are symmetrically arranged, and the rollers and track shoes are welded by high strength alloy steel, the track gauge between the two crawlers is 4.6m, the track shoe width is 0.85m.

➤ Travel system

- Crawler travel unit has built-in planetary reducer, driven by axial piston variable displacement motor. The reducer is set with hydraulic release travel brake, safe and reliable. They can be operated synchronously or separately to realize straight travel and turning.

➤ Car-body counterweight

- The total weight of car-body counterweight is 12t, with car-body counterweight slab 2×6t, respectively installed in the brackets on track frame.

➤ Turntable

- Turntable is a key load-bearing structural component that connects crane superstructure and undercarriage. The main load-bearing structure is box frame composite structure welded from high-strength steel plates with 工-shaped beam at left and right sides. Two sides of turntable are equipped with side plates, connected to undercarriage through slewing bearing. Main hoisting system, auxiliary hoisting system, main luffing system, A-frame, main boom butt, and superstructure counterweight are arranged on the main load-bearing structure. The cab, engine system, hydraulic oil tank, fuel tank, hydraulic pump group, hydraulic valve, electrical control cabinet, and hydraulic oil radiator are arranged on the two side plates. The main structure of turntable and the two side plates are designed according to the force conditions of the entire machine, with a reasonable structure and good overall strength and rigidity.

➤ A-frame

- A-frame is two-limb structure. Strengthened beam is set between the two limbs to ensure good stability. There are two states for A-frame, it is erected for working and laid down for transportation. A-frame jacking cylinder can rotate around connection pivot of turntable, to realize A-frame raising and lowering.

➤ Hoisting system

- Hoisting system includes main hoisting and aux. hoisting.
- Planetary reducer is driven by motor to achieve the lifting and lowering of main or auxiliary hook through drum, guide pulley and hoist sheave block. Hoisting systems have built-in planetary reducer, with constant closed brake to achieve “spring brake/ hydraulic release” function, safe and reliable. The reducer is lubricated by splashing oil, free of maintenance. The winch drum is made of ductile cast iron, it is a Lubus built drum with good vibration absorption, used to ensure no mess occurs when winding the rope for multiple layers, effectively prolong the service life of the rope. The hoisting system of this crane has features of easy oil replacement, low noise, high efficiency and long service life, and also with a good fine motion performance.

Technical specifications

➤ Luffing system

- Luffing system consists of boom luffing system.
- For boom luffing system, planetary gear reducer is driven by motor to achieve boom luffing by drum and luffing pulley block. It has built-in planetary reducer, with constant closed brake to achieve “spring brake/hydraulic release” function, safe and reliable. Winch drum has a ratchet locking device, the ratchet paw is driven by hydraulic oil cylinder to realize mechanical locking, safe and reliable.

➤ Slewing system

- Slewing system is arranged at the front part of turntable and internally meshed with slewing bearing. Planetary gear reducer is driven by motor to drive slewing bearing for 360° rotation.
- The system has built-in planetary reducer, with normally-closed brake to achieve “spring brake/hydraulic release” function, to ensure the high braking safety of the system.
- A mechanical slewing locking device is set to realize locking protection.
- With free sliding function.

➤ Engine system

- Weichai engine WP7G270E301;
- Environmental protection: meet off-road China III/U Stage IIIA emission standard;
- Rated power: 199kw;
- Rated speed: 2100rpm.

➤ Hydraulic system

- Hydraulic system composition: hoisting system, slewing system, travel system, pilot control system, cooling system and auxiliary system.
- Hoisting and travel systems: equipped with high-pressure, large-displacement main pumps, electro-proportional variable flow control, and an integrated main valve, safe and reliable, with features of accurate speed, sensitive operation and good fine motion performance, allowing compound operations of multiple actions, high working efficiency.
- Slewing system: high-pressure closed slewing system, the start and stop of slewing movement is stable, with strong resistance to load variation interference, good fine motion performance and stepless speed regulation, meeting the requirements of fine lifting operation.
- Cooling system: independent oil radiator drive, high-power air-cooled heat exchanger with fin type inner core.
- Auxiliary system: rear counterweight self-assembly function (optional), the assembly and disassembly work is more efficient.
- Hydraulic oil tank capacity: 500L, equipped with multiple large-flow filters, easy for maintenance.

Technical specifications

➤ Electrical system

- The entire crane is equipped with an all-electric control system, with CAN bus electric control levers and electric control two-way pedals. Electrical system mainly includes: engine control, auxiliary equipment, hydraulic system control, load moment indicator, safety monitoring, data display, etc. It uses PLC programmable controller combined with conventional electrical system to fulfill the function of logical control and electro-hydraulic proportional control to realize the automatic control of the crane, greatly increase the safety, reliability and efficiency for crane operation.
- 12.1-inch large high-definition touch display is used to show human-machine interaction.

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

➤ Operator's cab

- The cab adopts steel frame structure. All glass is tempered glass. Instruments and controls are arranged according to ergonomics. The cab can be tilted upwards and downwards. It is equipped with adjustable seat, which can tilt backwards by 140°. It is also equipped with a rotatable display screen, with the visual area of the display distributed within the optimal field of vision. Equipped with footrest, air conditioner (heating and cooling, duct type), sound equipment, fire extinguisher and closed-circuit monitoring system, spacious and comfortable. It supports face and voice recognitions, making it more technological and advanced.

➤ Turntable counterweight

- Turntable counterweight is 40t, and independent load charts corresponding to different counterweight combinations are provided to meet different purchase and lifting requirements.
- Turntable counterweight is installed at the rear part of turntable. Turntable counterweight composition: counterweight tray 1×7t, left/right counterweight slab 2×3.5t and 4×6t.

➤ Safety devices

- Safety devices include: LMI, main/auxiliary winch rope over-wound prevention device, main/auxiliary winch rope over-released prevention device, main luffing winch ratchet lock, boom angle limiter, main boom and jib backstop systems, closed circuit monitoring system, height mark light, anemometer, lightning-proof system, buzzer and warning light, function interlock, emergency stop function, automatic fault diagnosis system and black box, power cut-off protection, and etc.

➤ **Hook block**

- There are 4 kinds of hook blocks available for this crane, customers can choose according to their needs.

Hook name	100t(optional)	80t	32t(optional)	13.5t
Weight (t)	1.69	0.96	0.73	0.5
Number of pulleys	5	3	1	0

- The parameters of hook wire rope (mainly used for main lifting system) are as follows:

Parts of line	10	9	8	7	6
Max. lifting weight	110	110	100	88	76
Parts of line	5	4	3	2	1
Max. lifting weight	64	50	37	25	12.5

- Note:
 - 1) If you need the hooks marked with “optional” in the table, please make it clear in the contract;
 - 2) If you need hooks not listed in above table, please contact our company to make sure the hooks can be used.

Optional parts

➤ **Optional parts**

No.	Item
1	100t hook
2	32t hook
3	Outrigger cylinders and wireless remote control
4	Stress releaser
5	Data recorder
6	360-degree monitoring

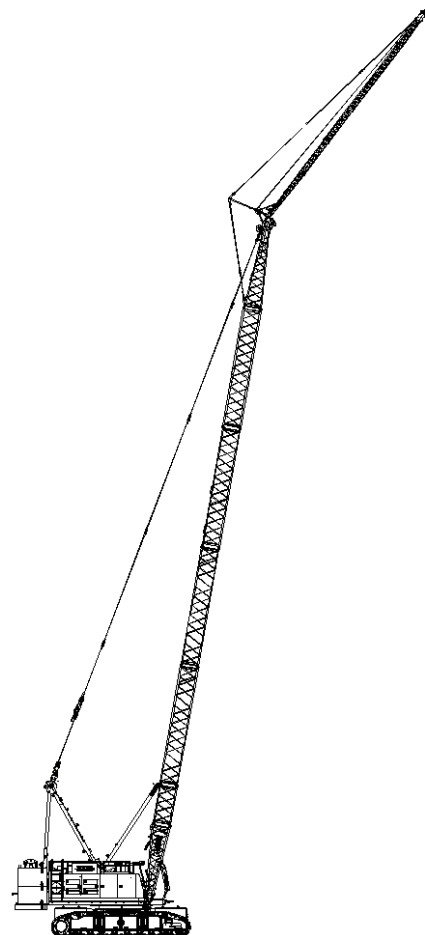
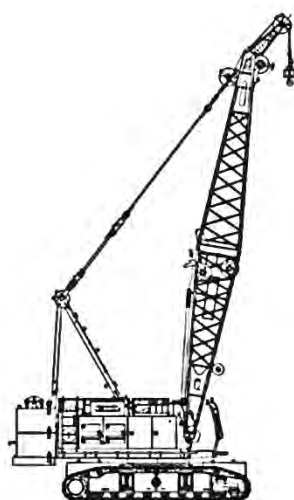
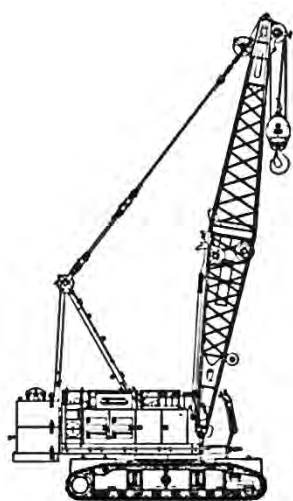
Main technical parameters

Item		Unit	Value
Max. rated lifting capacity	Main boom operation mode	t	*110
	Boom end single pulley operation mode	t	12.5
	Fixed jib operation mode (without main hook)	t	12.5
	Fixed jib operation mode (with main hook)	t	12.5
Max. lifting moment	Main boom operation mode	t.m	*490
	Boom end single pulley operation mode	t.m	275
	Fixed jib operation mode	t.m	275
Dimension parameters	Main boom length	m	13 ~ 64
	Fixed jib length	m	7 ~ 19
	Maximum main boom and fixed jib combination length	m	52+19
	Angle between main boom and fixed jib	°	10,30
	Boom end single pulley length	m	1.1
Speed parameters	Hoisting winch max. single rope speed	m/min	140
	Main boom luffing winch max. single rope speed	m/min	75
	Max. slewing speed	rpm	2.1
	Max. travel speed	km/h	1.9
Engine	Rated power	kW	199
	Emission standard	-	Off-road China stage III/ EU Stage IIIA
*Weight of complete crane (13m boom, 80t hook, 40t turntable counterweight, 12t car-body counterweight)		t	*98
*Mean ground pressure (13m main boom, 80t hook, 40t turntable counterweight, 12t car-body counterweight)		MPa	*0.098
Grade ability		-	30%
Max. weight of single piece in transport state		t	23.5
Max. dimension of single piece in transport state (L×W×H)		m	13.6×3.4×3.1

Note:

1. Wire rope speed is the calculated value of the rope on the drum outermost layer with engine idle running, which changes according to different loads and working conditions.
2. Travel speed, grade ability, mean ground pressure and slewing speed are the theoretical values for the crane based on level and solid ground and crane weight 98t.
3. The data marked with * are for the crane working on land, with 40t turntable counterweight and 12t car-body counterweight.
4. We reserve the right to improve and update the technical specifications without notice.

Operation modes and lifting performances



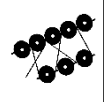
Main boom operation mode (HB)	Main boom + boom end single pulley (without hook on main boom) (HBS)	Main boom + fixed jib (without hook on main boom) (HF)
13m~64m	Main boom: 13m~64m Boom end single pulley: 1.1m	Main boom: 31m~52m Fixed jib: 7m~19m

Operation modes and lifting performances

➤ Service conditions

1. Service conditions for the crane: when boom length $\leq$ 50m, the wind speed is less than 14.1m/s; when boom length > 50m, the wind speed is less than 9.8m/s, the ambient temperature: -20°C ~ +40 °C, the ground gradient is less than 1%;
2. The rated lifting capacity shown in the table is the max. lifting capacity when the load is suspended freely and the crane is set on solid ground under the given operating conditions. Operators shall restrict or reduce the lifting capacity according to various adverse conditions (such as soft or uneven ground, wind force, side load, swing action and multi-crane operations);
3. The rated lifting capacity in the table includes the weight of hook block, wire ropes and other slings, see table below for the weight of hook blocks and boom end single pulley:
- | 100t hook | 80t hook | 32t hook | 13.5t hook | Boom end single pulley |
|-----------|----------|----------|------------|------------------------|
| 1.69t | 0.96t | 0.73t | 0.5t | 0.12t |
4. The blank area which is not listed with lifting capacity in the tables is the non-service area, which means the crane is not allowed to operate in this area;
5. It is allowed to drive the crane at low speed on solid and flat (gradient less than 1%) ground with load. Under main boom and boom end single pulley operation modes, the crane can travel straightly with 90% rated load; under fixed jib operation mode, the crane can travel straightly with 50% rated load.
6. For the selection of hook and parts of line, the rated lifting capacity of the hook must exceed or equal to the actual lifting weight (including the weight of wire rope, slings, and etc.).

The parts of line is selected according to the table below:

	1	2	3	4	5	6	7	8	9	10
Max. lifting weight (t)	12.5	24.8	36.8	48.5	60.0	71.3	82.4	93.3	100	100

7. The lifting capacity in the table is given based on different counterweight combinations, please operate the crane in strict accordance with the load charts.

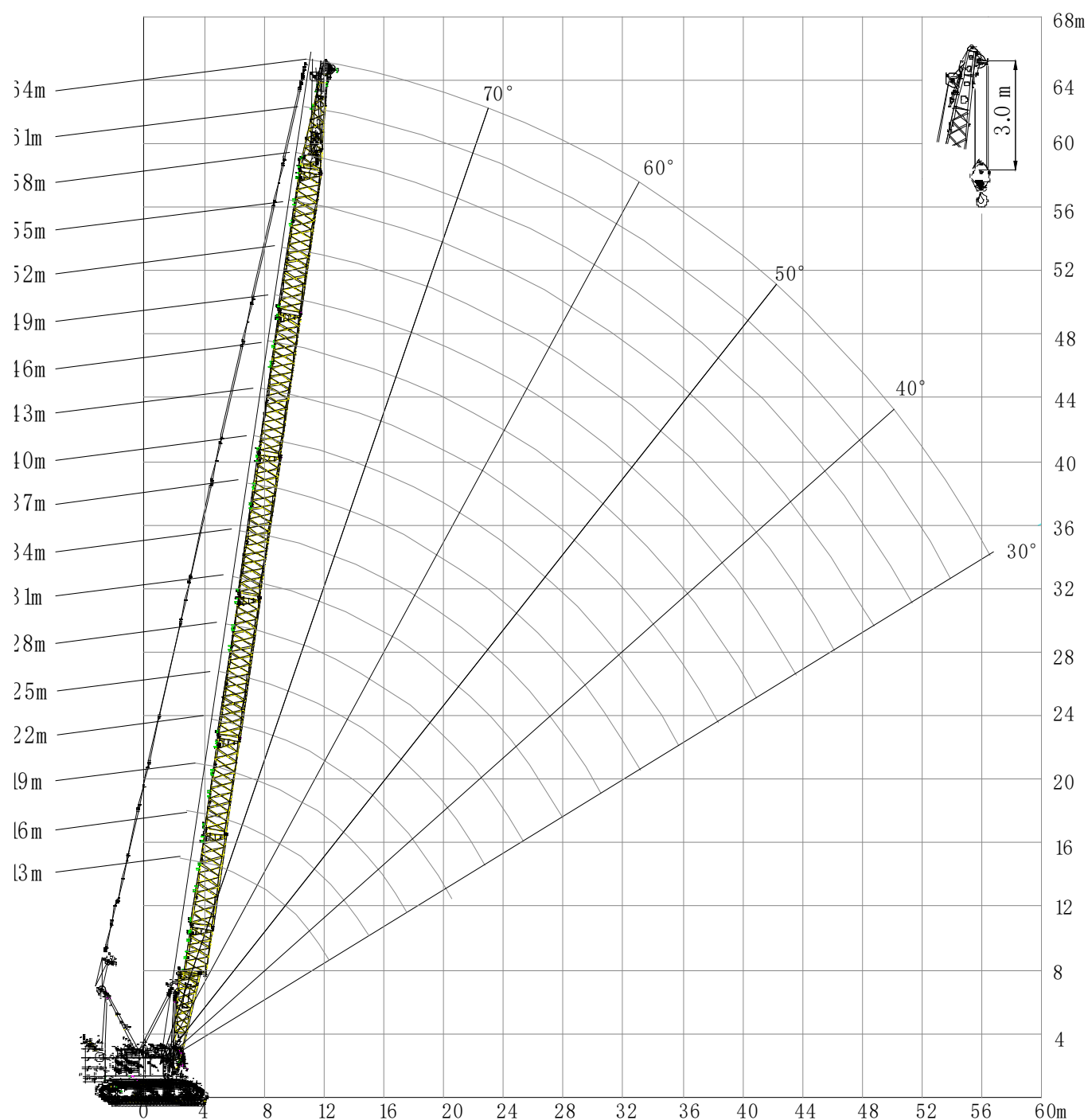
Operation modes and lifting performances-HB

No.	Code	Name	Length (m)	Note
①	1714-HBC	Main boom butt	6.5	
②	1714-3F	Insert section 3m	3	
③	1714-6F	Insert section 6m	6	
④	1714-12F	Insert section 12m	12	
⑤	1714-HTE	Main boom top section	6.5	

Main boom length (m)	Main boom combination
13	①+⑤
16	①+②+⑤
19	①+③+⑤
22	①+②+③+⑤
25	①+③×2+⑤
	★①+④+⑤
28	①+②+③×2+⑤
	★①+②+④+⑤
31	①+③+④+⑤
34	①+②+③+④+⑤
37	①+③×2+④+⑤
	★①+④×2+⑤
40	①+②+③×2+④+⑤
	★①+②+④×2+⑤
43	①+③+④×2+⑤
46	①+②+③+④×2+⑤
49	①+③×2+④×2+⑤
	★①+④×3+⑤
52	①+②+③×2+④×2+⑤
	★①+②+④×3+⑤
55	①+③+④×3+⑤
58	①+②+③+④×3+⑤
61	①+③×2+④×3+⑤
64	①+②+③×2+④×3+⑤

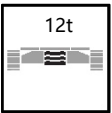
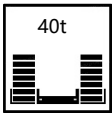
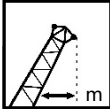
Note: Length with “★” is optional boom combination.

Operation modes and lifting performances-HB



Operation modes and lifting performances-HB

Turntable counterweight 40t, car-body counterweight 12t

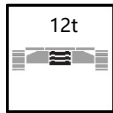
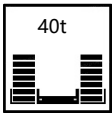
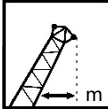


Boom length 13~40m

	13	16	19	22	25	28	31	34	37	40
4	110	108								
5	98	97.8	95.6	92.5	91.3					
6	80.3	80.2	76.6	73.3	71.6	70				
7	65	64.9	63.9	63.4	61.6	59.7	57.8	55.9		
8	53.2	53.1	53	52.8	52.1	51.4	49.9	48.5	47.2	45.9
9	44.9	44.8	44.8	44.7	44.6	44.1	43.6	42.7	41.6	40.6
10	38.8	38.7	38.7	38.6	38.4	38.3	37.8	37.7	37.2	36.3
12	30.4	30.3	30.2	30.1	30	29.9	29.8	29.6	29.5	28.8
14		24.8	24.7	24.6	24.5	24.4	24.2	24.1	24	23.8
16			20.8	20.7	20.6	20.5	20.3	20.2	20	19.9
18				17.8	17.6	17.5	17.4	17.2	17.1	17
20				15.5	15.4	15.3	15.1	15	14.8	14.7
22					13.6	13.5	13.3	13.2	13	12.9
24						12	11.9	11.7	11.6	11.4
26							10.7	10.5	10.4	10.2
28							9.6	9.5	9.3	9.2
30								8.6	8.4	8.3
32									7.7	7.5
34										6.9

Operation modes and lifting performances-HB

Turntable counterweight 40t, car-body counterweight 12t

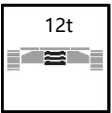
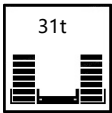
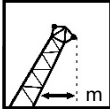


Boom length 43~64m

	43	46	49	52	55	58	61	64
8	43.2							
9	39.5	36.7	35.7					
10	35.4	33	32.2	31.3	30.5	26.2		
12	28.1	27.4	26.8	26.1	25.4	24.8	24.2	22.5
14	23.7	23.3	22.8	22.2	21.7	21.1	20.6	20
16	19.8	19.6	19.5	19.2	18.7	18.3	17.8	17.3
18	16.8	16.7	16.6	16.4	16.2	16	15.6	15.1
20	14.6	14.4	14.3	14.1	14	13.8	13.6	13.4
22	12.7	12.6	12.5	12.3	12.2	12	11.8	11.6
24	11.3	11.1	11	10.8	10.7	10.5	10.3	10.2
26	10.1	9.9	9.8	9.6	9.5	9.3	9.1	8.9
28	9	8.9	8.7	8.6	8.4	8.2	8.1	7.9
30	8.1	8	7.8	7.7	7.5	7.3	7.2	7
32	7.4	7.2	7.1	6.9	6.8	6.6	6.4	6.2
34	6.7	6.5	6.4	6.2	6.1	5.9	5.7	5.6
36	6.1	6	5.8	5.6	5.5	5.3	5.1	5
38	5.6	5.4	5.3	5.1	5	4.8	4.6	4.4
40		5	4.8	4.6	4.5	4.3	4.1	4
42			4.4	4.2	4.1	3.9	3.7	3.5
44				3.8	3.7	3.5	3.3	3.2
46				3.5	3.3	3.2	3	2.8
48					3	2.8	2.7	2.5
50						2.5	2.4	2.2
52							2.1	1.9
54							1.9	1.7
56								1.4

Operation modes and lifting performances-HB

Turntable counterweight 31t, car-body counterweight 12t

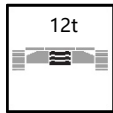
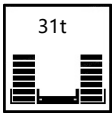
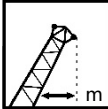


Boom length 13~40m

	13	16	19	22	25	28	31	34	37	40
4	110	108								
5	91.2	90.4	85.9	81.8						
6	71.3	70	68.1	65.4	62.9	60.6				
7	55.6	55.5	55	54.2	52.6	50.9	49.2	47.7		
8	45.4	45.3	45.3	45.1	44.5	43.8	42.5	41.2	40.1	39
9	38.3	38.2	38.2	38.1	38	37.6	37.2	36.3	35.3	34.4
10	33.1	33	32.9	32.8	32.7	32.6	32.5	32.1	31.5	30.7
12	25.9	25.8	25.7	25.6	25.5	25.4	25.3	25.1	25	24.9
14		21	21	20.9	20.7	20.6	20.5	20.3	20.2	20.1
16			17.6	17.5	17.4	17.3	17.1	17	16.8	16.7
18				15	14.9	14.7	14.6	14.5	14.3	14.2
20				13.1	12.9	12.8	12.7	12.5	12.4	12.2
22					11.4	11.3	11.1	11	10.8	10.7
24						10	9.9	9.7	9.6	9.4
26							8.8	8.6	8.5	8.4
28							7.9	7.8	7.6	7.5
30								7	6.9	6.7
32									6.2	6.1
34										5.5

Operation modes and lifting performances-HB

Turntable counterweight 31t, car-body counterweight 12t

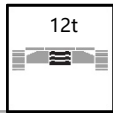
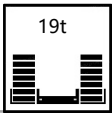
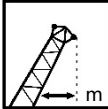


Boom length 43~61m

	43	46	49	52	55	58	61
9	33.5	32.6	31.8				
10	29.9	29.2	28.5	27.7	27.1		
12	24.6	24	23.4	22.8	22.3	21.7	21.2
14	19.9	19.8	19.7	19.3	18.8	18.3	17.9
16	16.6	16.4	16.3	16.1	16	15.7	15.3
18	14	13.9	13.8	13.6	13.5	13.3	13.1
20	12.1	11.9	11.8	11.6	11.5	11.3	11.2
22	10.5	10.4	10.3	10.1	9.9	9.8	9.6
24	9.3	9.1	9	8.8	8.7	8.5	8.3
26	8.2	8.1	7.9	7.8	7.6	7.4	7.3
28	7.3	7.2	7	6.9	6.7	6.5	6.4
30	6.6	6.4	6.3	6.1	5.9	5.8	5.6
32	5.9	5.7	5.6	5.4	5.3	5.1	4.9
34	5.3	5.2	5	4.9	4.7	4.5	4.4
36	4.8	4.7	4.5	4.3	4.2	4	3.8
38	4.4	4.2	4.1	3.9	3.7	3.6	3.4
40		3.8	3.7	3.5	3.3	3.2	3
42			3.3	3.1	3	2.8	2.6
44				2.8	2.6	2.5	2.3
46				2.5	2.3	2.2	2
48					2.1	1.9	1.7
50						1.6	1.5
52							1.2

Operation modes and lifting performances-HB

Turntable counterweight 19t, car-body counterweight 12t

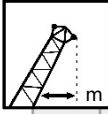


Boom length 13~55m

	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55
4	103.4	96.1													
5	74	70	66.5	63.3											
6	55.3	54.3	52.7	50.5	48.5	46.7									
7	43	42.9	42.6	41.9	40.5	39.1	37.9	36.6							
8	35.1	35	35	34.8	34.3	33.6	32.6	31.6	30.6	29.7					
9	29.6	29.5	29.4	29.3	29.2	29	28.5	27.7	26.9	26.2	25.4	24.7			
10	25.5	25.4	25.3	25.2	25.1	25	24.9	24.6	23.9	23.3	22.6	22	21.4	20.8	
12	19.9	19.7	19.7	19.6	19.4	19.3	19.2	19.1	19	18.8	18.4	18	17.5	17	16.5
14		16	16	15.9	15.7	15.6	15.5	15.3	15.2	15.1	14.9	14.8	14.6	14.2	13.8
16			13.3	13.2	13.1	13	12.9	12.7	12.6	12.4	12.3	12.2	12	11.9	11.7
18				11.3	11.1	11	10.9	10.7	10.6	10.5	10.3	10.2	10	9.9	9.7
20				9.8	9.6	9.5	9.4	9.2	9.1	8.9	8.8	8.6	8.5	8.3	8.2
22					8.4	8.3	8.2	8	7.9	7.7	7.6	7.4	7.3	7.1	7
24						7.3	7.2	7	6.9	6.7	6.6	6.4	6.3	6.1	6
26							6.3	6.2	6	5.9	5.7	5.6	5.5	5.3	5.1
28							5.6	5.5	5.3	5.2	5	4.9	4.8	4.6	4.4
30								4.9	4.7	4.6	4.5	4.3	4.2	4	3.8
32									4.2	4.1	3.9	3.8	3.6	3.5	3.3
34										3.6	3.5	3.3	3.2	3	2.9
36											3.1	2.9	2.8	2.6	2.5
38											2.7	2.6	2.4	2.3	2.1
40												2.3	2.1	1.9	1.8
42													1.8	1.7	1.5
44														1.4	1.2

Operation modes and lifting performances-HB

Turntable counterweight 31t, car-body counterweight 0t

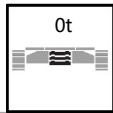
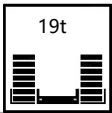
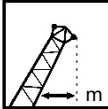


Boom length 13~58m

	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58
4	110	108														
5	87.3	82.7	78.6	74.8												
6	65.3	64.1	62.3	59.8	57.5	55.3										
7	50.9	50.8	50.4	49.6	48	46.4	44.9	43.5								
8	41.6	41.5	41.4	41.3	40.7	39.9	38.7	37.6	36.5	35.5						
9	35.1	35	34.9	34.8	34.7	34.4	34	33	32.1	31.3	30.4	29.6				
10	30.3	30.2	30.1	30	29.9	29.8	29.7	29.3	28.6	27.9	27.2	26.5	25.8	25.1		
12	23.6	23.5	23.5	23.4	23.2	23.1	23	22.9	22.7	22.6	22.2	21.7	21.2	20.6	20.1	19.6
14		19.2	19.1	19	18.9	18.8	18.6	18.5	18.3	18.2	18.1	17.9	17.8	17.3	16.9	16.5
16			16	15.9	15.8	15.7	15.5	15.4	15.2	15.1	15	14.8	14.7	14.5	14.4	14.1
18				13.6	13.5	13.4	13.2	13.1	12.9	12.8	12.6	12.5	12.4	12.2	12.1	11.9
20				11.8	11.7	11.6	11.4	11.3	11.1	11	10.9	10.7	10.6	10.4	10.3	10.1
22					10.3	10.2	10	9.9	9.7	9.6	9.4	9.3	9.1	9	8.8	8.7
24						9	8.9	8.7	8.6	8.4	8.3	8.1	8	7.8	7.7	7.5
26							7.9	7.7	7.6	7.5	7.3	7.1	7	6.8	6.7	6.5
28							7.1	6.9	6.8	6.6	6.5	6.3	6.2	6	5.9	5.7
30								6.2	6.1	5.9	5.8	5.6	5.5	5.3	5.2	5
32									5.5	5.3	5.2	5	4.9	4.7	4.6	4.4
34										4.8	4.6	4.5	4.3	4.2	4	3.8
36											4.2	4	3.9	3.7	3.5	3.4
38											3.7	3.6	3.5	3.3	3.1	3
40												3.2	3.1	2.9	2.8	2.6
42													2.7	2.6	2.4	2.2
44														2.3	2.1	1.9
46														2	1.8	1.7
48															1.6	1.4
50																1.2

Operation modes and lifting performances-HB

Turntable counterweight 19t, car-body counterweight 0t

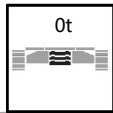
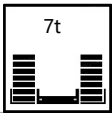
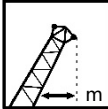


Boom length 13~49m

	13	16	19	22	25	28	31	34	37	40	43	46	49
4	92.1	85.6											
5	65.9	62.3	59.2	56.3									
6	49.3	48.4	46.8	44.9	43.1	41.5							
7	38.3	38.2	37.9	37.3	35.9	34.7	33.5	32.4					
8	31.2	31.2	31.1	30.7	29.6	28.6	27.6	26.6	25.7	24.9			
9	26.3	26.2	26.1	26	25.9	25.7	25.2	24.4	23.7	23.1	22.4	21.7	
10	22.6	22.5	22.5	22.4	22.3	22.2	22.1	21.7	21.1	20.5	19.9	19.3	18.7
12	17.6	17.5	17.4	17.3	17.2	17.1	17	16.8	16.7	16.6	16.1	15.7	15.2
14		14.2	14.1	14	13.9	13.8	13.6	13.5	13.3	13.2	13.1	12.9	12.6
16			11.8	11.6	11.5	11.4	11.3	11.1	11	10.9	10.7	10.6	10.4
18				9.9	9.7	9.6	9.5	9.3	9.2	9.1	8.9	8.8	8.7
20				8.5	8.4	8.3	8.1	8	7.8	7.7	7.6	7.4	7.3
22					7.3	7.2	7.1	6.9	6.8	6.6	6.5	6.3	6.2
24						6.3	6.2	6	5.9	5.7	5.6	5.4	5.3
26							5.4	5.3	5.1	5	4.8	4.7	4.5
28							4.8	4.6	4.5	4.4	4.2	4.1	3.9
30								4.1	4	3.8	3.7	3.5	3.4
32									3.5	3.4	3.2	3.1	2.9
34										3	2.8	2.6	2.5
36											2.4	2.3	2.1
38											2.1	2	1.8
40												1.7	1.5
42													1.3

Operation modes and lifting performances-HB

Turntable counterweight 7t, car-body counterweight 0t

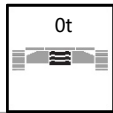
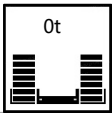
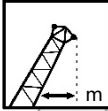


Boom length 13~40m

	13	16	19	22	25	28	31	34	37	40
4	62.3	57.9								
5	44.4	42	39.8	37.9						
6	33.3	32.7	31.4	30.1	28.8	27.6				
7	25.7	25.7	25.5	24.8	23.9	23	22.2	21.3		
8	20.9	20.8	20.8	20.7	20.3	19.6	18.9	18.2	17.6	17
9	17.5	17.4	17.4	17.3	17.2	17	16.4	15.9	15.3	14.8
10	15	14.9	14.8	14.7	14.6	14.5	14.4	14	13.5	13.1
12	11.6	11.5	11.4	11.3	11.1	11	10.9	10.8	10.7	10.4
14		9.2	9.1	9	8.9	8.8	8.6	8.5	8.3	8.1
16			7.5	7.4	7.2	7.1	7	6.8	6.7	6.6
18				6.2	6	5.9	5.8	5.6	5.5	5.4
20				5.2	5.1	5	4.8	4.7	4.5	4.4
22					4.3	4.2	4.1	3.9	3.8	3.7
24						3.6	3.5	3.3	3.2	3
26							3	2.8	2.7	2.5
28							2.5	2.4	2.2	2.1
30								2	1.9	1.7
32									1.5	1.4
34										1.1

Operation modes and lifting performances-HB

Turntable counterweight 0t, car-body counterweight 0t



Boom length 13~34m

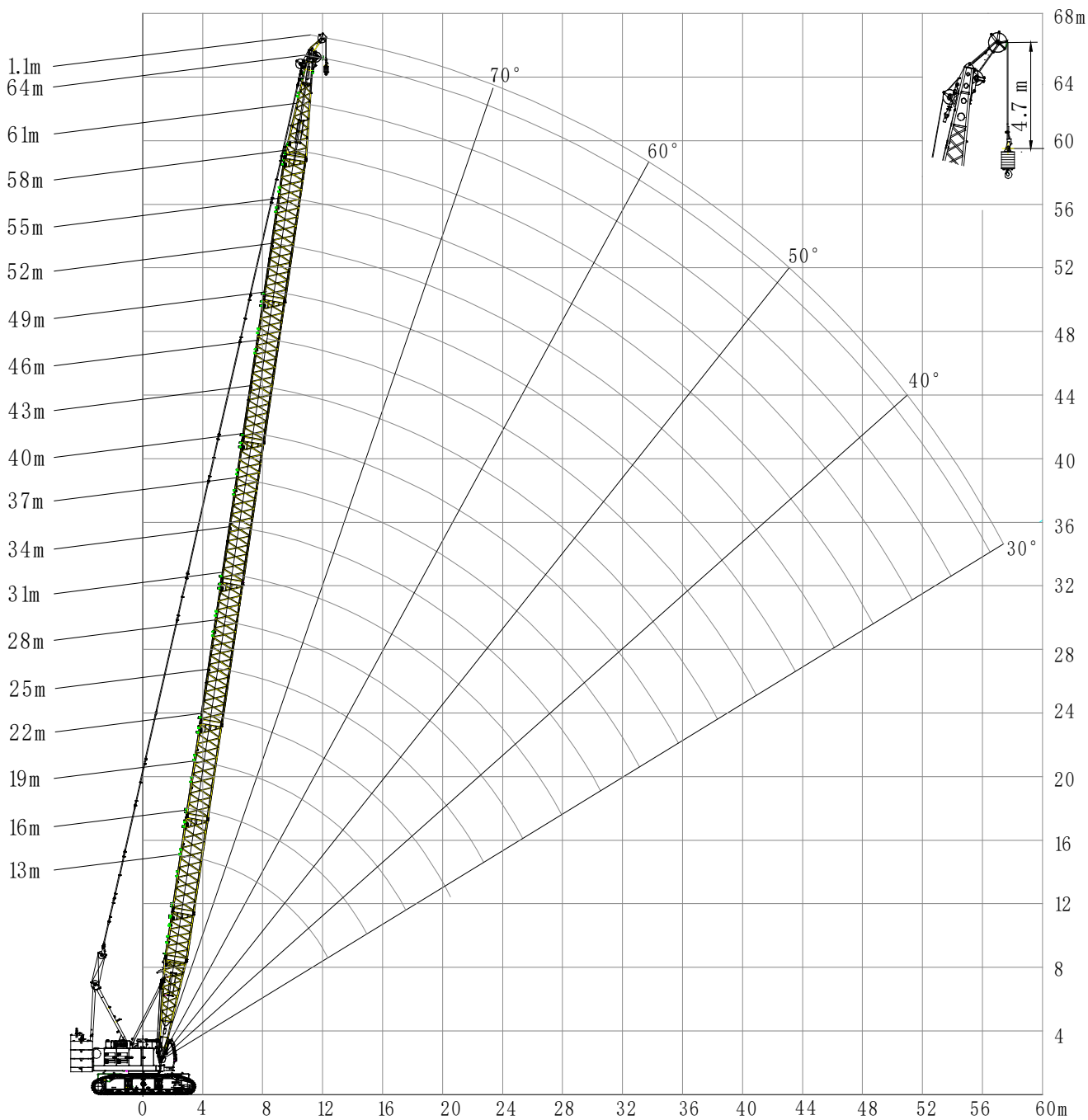
	13	16	19	22	25	28	31	34
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4	45	41.7						
5	31.9	30.1	28.5	27.1				
6	23.9	23.4	22.4	21.4	20.4	19.6		
7	18.4	18.3	18.2	17.5	16.8	16.2	15.5	14.9
8	14.9	14.8	14.7	14.7	14.2	13.7	13.1	12.6
9	12.4	12.3	12.2	12.2	12	11.8	11.3	10.8
10	10.6	10.5	10.4	10.3	10.2	10.1	9.9	9.5
12	8	7.9	7.9	7.7	7.6	7.5	7.4	7.3
14		6.3	6.2	6.1	5.9	5.8	5.7	5.6
16			5	4.9	4.7	4.6	4.5	4.4
18				4	3.9	3.7	3.6	3.5
20				3.3	3.2	3.1	2.9	2.8
22					2.6	2.5	2.4	2.2
24						2	1.9	1.8
26							1.5	1.4
28							1.2	1.1

Operation modes and lifting performances-HBS

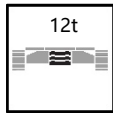
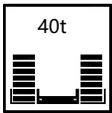
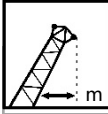
Main boom combination

- 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.
- The working of the crane in HBS operation mode can refer to HB operation mode.



Operation modes and lifting performances-HBS

Turntable counterweight 40t, car-body counterweight 12t

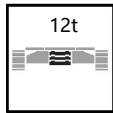
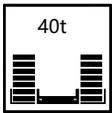
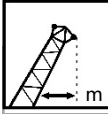


Main boom 13~40m, boom end single pulley 1.1m

	13	16	19	22	25	28	31	34	37	40
6	12.5	12.5	12.5	12.5						
7	12.5	12.5	12.5	12.5	12.5	12.5				
8	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5		
9	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
10	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
12	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
14		12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
16		12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
18			12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
20				12.5	12.5	12.5	12.5	12.5	12.5	12.5
22					12.5	12.5	12.5	12.5	12.5	12.5
24					12.2	12.1	11.9	11.8	11.6	11.5
26						10.8	10.7	10.5	10.4	10.3
28							9.7	9.5	9.4	9.2
30								8.6	8.5	8.3
32								7.8	7.7	7.6
34									7	6.9
36										6.3

Operation modes and lifting performances-HBS

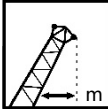
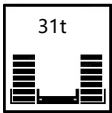
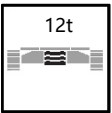
Turntable counterweight 40t, car-body counterweight 12t



Main boom 43~64m, boom end single pulley 1.1m

	43	46	49	52	55	58	61	64
10	12.5	12.5	12.5					
12	12.5	12.5	12.5	12.5	12.5	12.5	12.5	
14	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
16	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
18	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
20	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
22	12.5	12.5	12.5	12.4	12.2	12.1	11.9	11.9
24	11.3	11.2	11.1	10.9	10.8	10.6	10.4	10.4
26	10.1	10	9.8	9.6	9.5	9.3	9.1	9.2
28	9.1	8.9	8.8	8.6	8.5	8.3	8.1	8.1
30	8.2	8	7.9	7.7	7.6	7.4	7.2	7.3
32	7.4	7.3	7.1	6.9	6.8	6.6	6.4	6.5
34	6.7	6.6	6.4	6.3	6.1	5.9	5.7	5.8
36	6.1	6	5.8	5.7	5.5	5.3	5.1	5.2
38	5.6	5.5	5.3	5.1	5	4.8	4.6	4.7
40		5	4.8	4.7	4.5	4.3	4.1	4.2
42		4.6	4.4	4.2	4.1	3.9	3.7	3.8
44			4	3.8	3.7	3.5	3.3	3.4
46				3.5	3.4	3.1	2.9	3.1
48					3	2.8	2.6	2.7
50					2.7	2.5	2.3	2.5
52						2.3	2.1	2.2
54							1.8	1.9
56								1.7
58								1.5

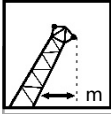
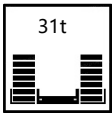
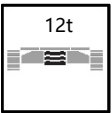
Operation modes and lifting performances-HBS
Turntable counterweight 31t, car-body counterweight 12t

Main boom 13~40m, boom end single pulley 1.1m

	13	16	19	22	25	28	31	34	37	40
6	12.5	12.5	12.5	12.5						
7	12.5	12.5	12.5	12.5	12.5	12.5				
8	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5		
9	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
10	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
12	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
14		12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
16		12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
18			12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
20				12.5	12.5	12.5	12.5	12.5	12.5	12.3
22					11.4	11.3	11.2	11	10.9	10.8
24					10.1	10	9.9	9.7	9.6	9.5
26						9	8.9	8.7	8.6	8.4
28							8	7.8	7.7	7.5
30								7	6.9	6.8
32								6.4	6.2	6.1
34									5.7	5.5
36										5

Operation modes and lifting performances-HBS
Turntable counterweight 31t, car-body counterweight 12t

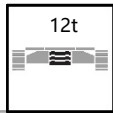
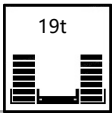
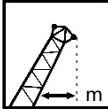




Main boom 43~61m, boom end single pulley 1.1m

	43	46	49	52	55	58	61
10	12.5	12.5	12.5				
12	12.5	12.5	12.5	12.5	12.5	12.5	12.5
14	12.5	12.5	12.5	12.5	12.5	12.5	12.5
16	12.5	12.5	12.5	12.5	12.5	12.5	12.5
18	12.5	12.5	12.5	12.5	12.5	12.5	12.5
20	12.1	12	11.9	11.7	11.6	11.4	11.2
22	10.6	10.5	10.3	10.1	10	9.8	9.6
24	9.3	9.2	9	8.9	8.7	8.5	8.4
26	8.2	8.1	8	7.8	7.7	7.5	7.3
28	7.3	7.2	7.1	6.9	6.8	6.6	6.4
30	6.6	6.5	6.3	6.1	6	5.8	5.6
32	5.9	5.8	5.6	5.5	5.3	5.1	4.9
34	5.3	5.2	5.1	4.9	4.7	4.5	4.3
36	4.8	4.7	4.6	4.4	4.2	4	3.8
38	4.4	4.2	4.1	3.9	3.8	3.6	3.4
40		3.8	3.7	3.5	3.4	3.2	3
42		3.5	3.3	3.1	3	2.8	2.6
44			3	2.8	2.7	2.5	2.2
46				2.5	2.4	2.1	1.9
48					2.1	1.9	1.7
50					1.8	1.6	1.4
52						1.4	1.2

Operation modes and lifting performances-HBS

Turntable counterweight 19t, car-body counterweight 12t

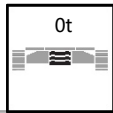
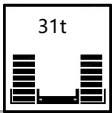
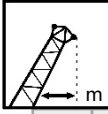


Main boom 13~52m. boom end single pulley 1.1m

	13	16	19	22	25	28	31	34	37	40	43	46	49	52
5	12.5	12.5												
6	12.5	12.5	12.5	12.5										
7	12.5	12.5	12.5	12.5	12.5	12.5								
8	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5						
9	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5				
10	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	
12	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
14		12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
16		12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.4	12.3	12.1	12
18			11.5	11.3	11.2	11.1	11	10.8	10.7	10.6	10.4	10.3	10.1	10
20				9.8	9.7	9.6	9.4	9.3	9.2	9	8.8	8.7	8.6	8.4
22					8.5	8.3	8.2	8	7.9	7.8	7.6	7.5	7.4	7.2
24					7.5	7.4	7.2	7.1	6.9	6.8	6.6	6.5	6.4	6.2
26						6.5	6.4	6.2	6.1	6	5.8	5.7	5.5	5.3
28							5.7	5.5	5.4	5.3	5.1	5	4.8	4.6
30								4.9	4.8	4.7	4.5	4.4	4.2	4
32								4.4	4.3	4.1	4	3.8	3.7	3.5
34									3.8	3.7	3.5	3.4	3.2	3
36										3.3	3.1	3	2.8	2.6
38											2.7	2.6	2.5	2.3
40												2.3	2.1	1.9
42												2	1.8	1.7
44													1.6	1.4
46														1.1

Operation modes and lifting performances-HBS

Turntable counterweight 31t, car-body counterweight 0t

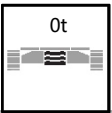
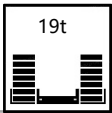
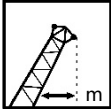


Main boom 13~58m. boom end single pulley 1.1m

	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58
5	12.5	12.5														
6	12.5	12.5	12.5	12.5												
7	12.5	12.5	12.5	12.5	12.5	12.5										
8	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5								
9	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5						
10	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5			
12	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
14		12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
16		12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
18			12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.3	12.2	12
20				11.9	11.7	11.6	11.5	11.3	11.2	11.1	10.9	10.8	10.7	10.5	10.4	10.2
22					10.3	10.2	10.1	9.9	9.8	9.7	9.5	9.4	9.2	9	8.9	8.7
24					9.1	9	8.9	8.7	8.6	8.5	8.3	8.2	8	7.9	7.7	7.5
26						8.1	7.9	7.8	7.6	7.5	7.3	7.2	7.1	6.9	6.8	6.6
28							7.1	6.9	6.8	6.7	6.5	6.4	6.2	6.1	5.9	5.7
30								6.2	6.1	6	5.8	5.7	5.5	5.3	5.2	5
32								5.6	5.5	5.4	5.2	5.1	4.9	4.7	4.6	4.4
34									5	4.8	4.6	4.5	4.4	4.2	4.1	3.9
36										4.4	4.2	4	3.9	3.7	3.6	3.4
38											3.8	3.6	3.5	3.3	3.2	3
40												3.2	3.1	2.9	2.8	2.6
42												2.9	2.8	2.6	2.4	2.2
44													2.5	2.3	2.1	1.9
46														2	1.9	1.7
48															1.6	1.4
50															1.4	1.2

Operation modes and lifting performances-HBS

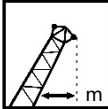
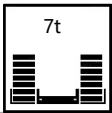
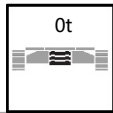
Turntable counterweight 19t, car-body counterweight 0t



Main boom 13~49m. boom end single pulley 1.1m

	13	16	19	22	25	28	31	34	37	40	43	46	49
5	12.5	12.5											
6	12.5	12.5	12.5	12.5									
7	12.5	12.5	12.5	12.5	12.5	12.5							
8	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5					
9	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5			
10	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
12	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
14		12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
16		11.9	11.8	11.7	11.6	11.5	11.4	11.2	11.1	11	10.8	10.7	10.6
18			10.1	10	9.8	9.7	9.6	9.4	9.3	9.2	9	8.9	8.8
20				8.6	8.4	8.3	8.2	8	7.9	7.8	7.6	7.5	7.4
22					7.3	7.2	7.1	6.9	6.8	6.7	6.5	6.4	6.3
24					6.5	6.4	6.2	6	5.9	5.8	5.6	5.5	5.4
26						5.6	5.5	5.3	5.2	5.1	4.9	4.7	4.6
28							4.8	4.7	4.6	4.4	4.2	4.1	4
30								4.1	4	3.9	3.7	3.6	3.4
32								3.7	3.5	3.4	3.2	3.1	3
34									3.1	3	2.8	2.7	2.5
36										2.6	2.4	2.3	2.2
38											2.1	2	1.9
40												1.7	1.6
42												1.4	1.3
44													1.1

Operation modes and lifting performances-HBS
Turntable counterweight 7t, car-body counterweight 0t

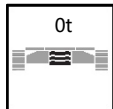
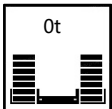
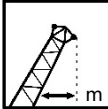




Main boom 13~40m, boom end single pulley 1.1m

	13	16	19	22	25	28	31	34	37	40
5	12.5	12.5								
6	12.5	12.5	12.5	12.5						
7	12.5	12.5	12.5	12.5	12.5	12.5				
8	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5		
9	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
10	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
12	11.7	11.6	11.5	11.4	11.3	11.2	11.1	10.9	10.8	10.4
14		9.3	9.2	9.1	8.9	8.9	8.7	8.6	8.5	8.4
16		7.6	7.6	7.5	7.3	7.2	7.1	6.9	6.8	6.7
18			6.4	6.2	6.1	6	5.9	5.7	5.6	5.5
20				5.3	5.1	5	4.9	4.7	4.6	4.5
22					4.4	4.3	4.2	4	3.9	3.7
24					3.8	3.7	3.5	3.4	3.2	3.1
26						3.1	3	2.8	2.7	2.6
28							2.6	2.4	2.3	2.1
30								2	1.9	1.8
32								1.7	1.6	1.4
34									1.3	1.2

Operation modes and lifting performances-HBS

Turntable counterweight 0t, car-body counterweight 0t



Main boom 13~31m, boom end single pulley 1.1m

	13	16	19	22	25	28	31
5	12.5	12.5					
6	12.5	12.5	12.5	12.5			
7	12.5	12.5	12.5	12.5	12.5	12.5	
8	12.5	12.5	12.5	12.5	12.5	12.5	12.5
9	12.5	12.5	12.4	12.3	12.2	11.8	11.3
10	10.7	10.6	10.5	10.4	10.3	10.2	9.9
12	8.2	8	8	7.9	7.7	7.6	7.5
14		6.4	6.3	6.2	6	5.9	5.8
16		5.1	5.1	5	4.8	4.7	4.6
18			4.2	4.1	3.9	3.8	3.7
20				3.4	3.2	3.1	3
22					2.7	2.6	2.4
24					2.2	2.1	2
26						1.7	1.6
28							1.3

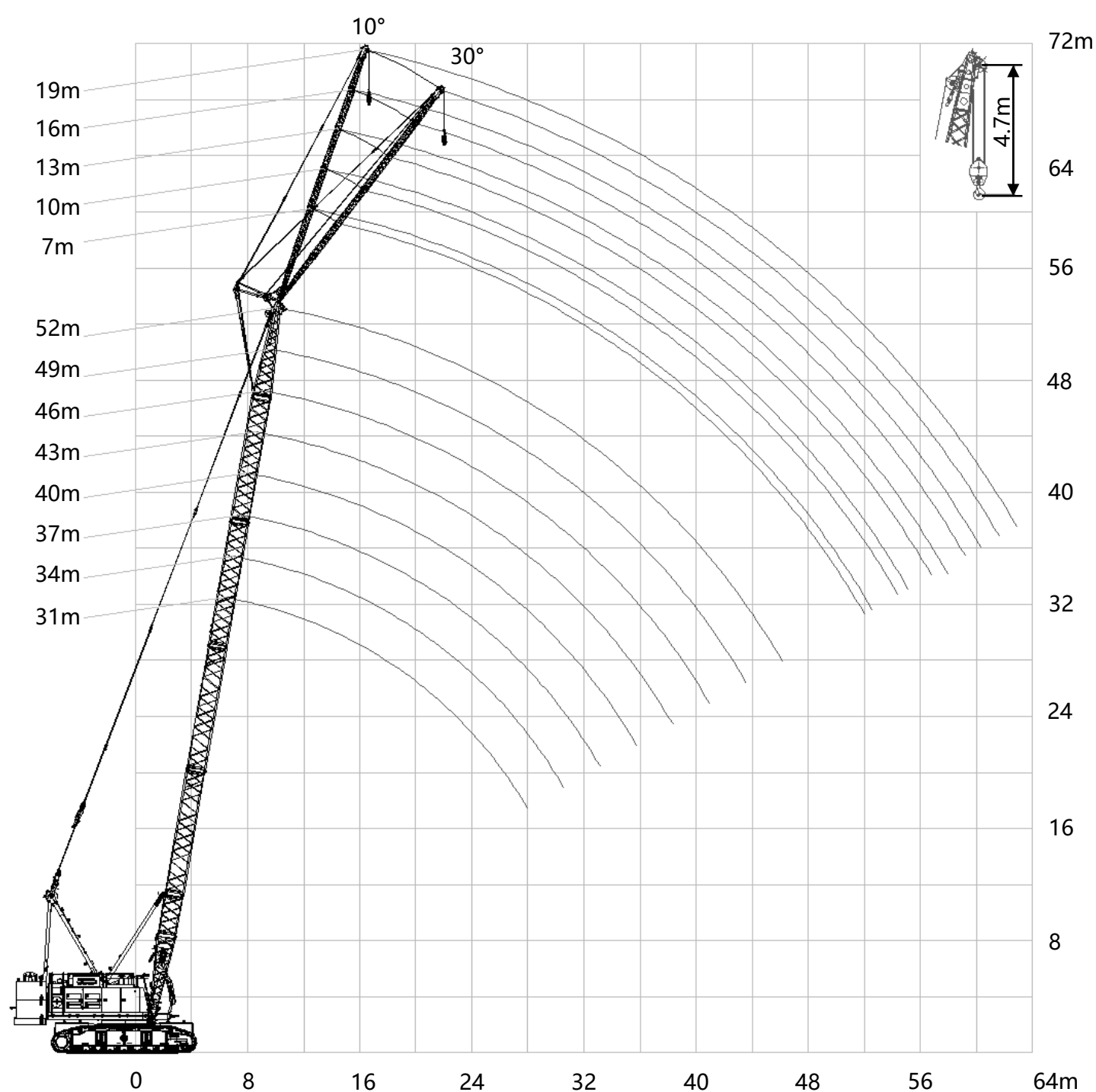
Operation modes and lifting performances-HF

No.	Code	Name	Length (m)	Qty.	Note
⑥	7055-FBB	Jib butt	4.0	1	
⑦	7055-3B	3m insert section	3.0	2	
⑧	7055-6B	6m insert section	6.0	1	
⑨	7055-FTB	Jib top	3.0	1	Suitable for wire rope with diameter of 26mm

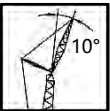
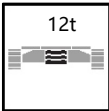
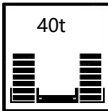
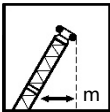
Fixed jib length (m)	Fixed jib combination
7	⑥+⑨
10	⑥+⑦+⑨
13	⑥+⑧+⑨
16	⑥+⑦+⑧+⑨
19	⑥+⑦×2+⑧+⑨
Main boom length (m)	Main boom combination
31	①+③+④+⑤
34	①+②+③+④+⑤
37	①+③×2+④+⑤
	★①+④×2+⑤
40	①+②+③×2+④+⑤
	★①+②+④×2+⑤
43	①+③+④×2+⑤
46	①+②+③+④×2+⑤
49	①+③×2+④×2+⑤
	★①+④×3+⑤
52	①+②+③×2+④×2+⑤
	★①+②+④×3+⑤

• Note: Length with “★” is optional boom combination.

Operation modes and lifting performances-HF



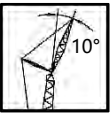
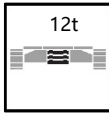
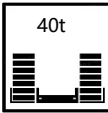
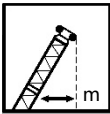
Operation modes and lifting performances-HF



Main boom 31~52m, fixed jib 7m

	31	34	37	40	43	46	49	52
9	12.5							
10	12.5	12.5	12.5					
12	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
14	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
16	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
18	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
20	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
22	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
24	11.9	11.8	11.7	11.6	11.4	11.3	11.2	11.1
26	10.7	10.5	10.5	10.3	10.2	10.1	10	9.8
28	9.7	9.5	9.4	9.3	9.1	9	8.9	8.8
30	8.8	8.6	8.5	8.4	8.2	8.1	8	7.9
32	8	7.8	7.7	7.6	7.5	7.3	7.3	7.1
34	7.3	7.1	7.1	6.9	6.8	6.7	6.6	6.4
36		6.5	6.5	6.3	6.2	6.1	6	5.8
38			5.9	5.8	5.7	5.5	5.4	5.3
40			5.5	5.3	5.2	5	5	4.8
42				4.9	4.7	4.6	4.5	4.4
44					4.4	4.2	4.2	4
46						3.9	3.8	3.6
48							3.5	3.3
50							3.2	3
52								2.7

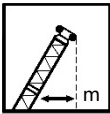
Operation modes and lifting performances-HF

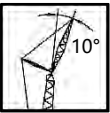
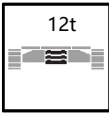
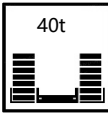


Main boom 31~52m, fixed jib 10m

	31	34	37	40	43	46	49	52
12	12.5	12.5	12.5	12.5	12.5			
14	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
16	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
18	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
20	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
22	12	12.5	12.5	12.5	12.5	12.5	12.5	12.5
24	11.1	11.7	11.8	11.7	11.5	11.4	11.4	11.2
26	10.3	10.6	10.6	10.5	10.3	10.2	10.1	9.9
28	9.6	9.6	9.5	9.4	9.2	9.1	9	8.9
30	8.9	8.7	8.6	8.5	8.3	8.2	8.1	8
32	8.1	7.9	7.8	7.7	7.6	7.4	7.4	7.2
34	7.4	7.2	7.2	7	6.9	6.8	6.7	6.5
36	6.8	6.6	6.6	6.4	6.3	6.2	6.1	5.9
38		6.1	6	5.9	5.7	5.6	5.5	5.4
40		5.6	5.5	5.4	5.3	5.1	5.1	4.9
42			5.1	5	4.8	4.7	4.6	4.5
44				4.6	4.4	4.3	4.2	4.1
46					4.1	4	3.9	3.7
48					3.8	3.6	3.6	3.4
50						3.3	3.3	3.1
52							3	2.8
54								2.5

Operation modes and lifting performances-HF

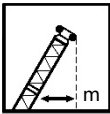


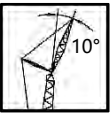
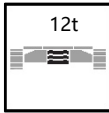
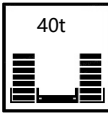


Main boom 31~52m, fixed jib 13m

	31	34	37	40	43	46	49	52
12	12.5	12.5	12.5					
14	12.5	12.5	12.5	12.5	12.5	12.5	12.5	
16	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
18	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
20	10.7	11.7	12.5	12.5	12.5	12.2	12.2	12.1
22	9.8	10.2	11.2	11.7	11.7	11.7	11.7	11.7
24	9	9.5	9.9	10.3	10.8	10.8	10.9	10.9
26	8.4	8.8	9.2	9.6	10	10.3	10.2	10.1
28	7.8	8.2	8.6	9	9.4	9.2	9.2	9
30	7.4	7.7	8.1	8.5	8.4	8.3	8.2	8.1
32	6.9	7.3	7.7	7.8	7.7	7.5	7.5	7.3
34	6.6	6.9	7.3	7.1	7	6.9	6.8	6.6
36	6.2	6.6	6.7	6.5	6.4	6.3	6.2	6
38	5.9	6.2	6.1	6	5.8	5.7	5.6	5.5
40	5.7	5.7	5.6	5.5	5.4	5.2	5.1	5
42		5.3	5.2	5.1	4.9	4.8	4.7	4.5
44			4.8	4.7	4.5	4.4	4.3	4.2
46				4.3	4.2	4	4	3.8
48				4	3.8	3.7	3.6	3.5
50					3.5	3.4	3.3	3.2
52						3.1	3.1	2.9
54							2.8	2.6
56							2.6	2.4
58								2.2

Operation modes and lifting performances-HF

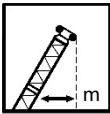


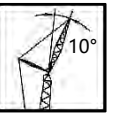
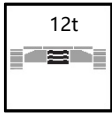
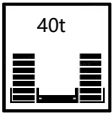


Main boom 31~52m, fixed jib 16m

	31	34	37	40	43	46	49	52
12	12.5							
14	11.8	12.1	12.1	12.1	12.1			
16	10.6	11.5	11.6	11.7	11.7	11.6	11.6	11.5
18	9.6	10.9	11.1	11.2	11.3	11.3	11.2	11.2
20	9.1	10.2	10.6	10.8	10.9	10.9	10.9	10.9
22	8.5	9.3	9.7	10.2	10.5	10.3	10.6	10.6
24	7.8	8.6	9	9.4	9.7	9.6	9.9	10.2
26	7.2	7.9	8.3	8.7	9	9	9.3	9.5
28	6.8	7.1	7.4	7.7	7.8	7.8	7.9	8.5
30	6.3	6.6	7	7.3	7.5	7.6	7.7	8.1
32	5.9	6.2	6.5	6.8	7.1	7.4	7.5	7.4
34	5.6	5.9	6.2	6.5	6.7	6.9	6.8	6.7
36	5.3	5.6	5.9	6.1	6.4	6.3	6.2	6.1
38	5	5.3	5.6	5.8	5.9	5.8	5.7	5.5
40	4.8	5	5.3	5.5	5.4	5.3	5.2	5
42	4.6	4.8	5	5.1	5	4.8	4.8	4.6
44		4.6	4.8	4.7	4.6	4.4	4.4	4.2
46			4.5	4.4	4.2	4.1	4	3.8
48			4.2	4	3.9	3.8	3.7	3.5
50				3.7	3.6	3.5	3.4	3.2
52					3.3	3.2	3.1	2.9
54						2.9	2.8	2.7
56						2.7	2.6	2.4
58							2.4	2.2
60								2

Operation modes and lifting performances-HF

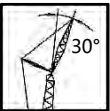
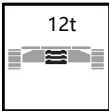
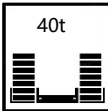
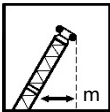




Main boom 31~52m, fixed jib 19m

	31	34	37	40	43	46	49	52
14	9.6	9.6	9.7	9.7				
16	9.1	9.2	9.3	9.3	9.3	9.3	9.3	
18	8.7	8.8	8.9	8.9	9	9	9	8.9
20	8.2	8.4	8.5	8.6	8.6	8.7	8.7	8.7
22	7.7	8	8.1	8.2	8.3	8.4	8.4	8.4
24	7.1	7.7	7.8	7.9	8	8.1	8.1	8.1
26	6.6	7.1	7.5	7.6	7.7	7.8	7.9	7.9
28	6.1	6.6	6.9	7.3	7.4	7.5	7.6	7.7
30	5.7	6.2	6.5	6.8	7.1	7	7.3	7.4
32	5.4	5.8	6.1	6.3	6.6	6.6	6.8	6.8
34	5	5.2	5.5	5.7	5.9	6.2	6.4	6.5
36	4.7	4.9	5.2	5.4	5.6	5.8	6.1	6.1
38	4.4	4.7	4.9	5.1	5.3	5.5	5.7	5.5
40	4.2	4.4	4.6	4.8	5.1	5.3	5.2	5.1
42	4	4.2	4.4	4.6	4.8	4.9	4.8	4.6
44	3.8	4	4.2	4.4	4.6	4.5	4.4	4.2
46	3.6	3.8	4	4.2	4.2	4.1	4	3.9
48		3.7	3.8	4	3.9	3.8	3.7	3.5
50			3.7	3.8	3.6	3.5	3.4	3.2
52				3.5	3.3	3.2	3.1	3
54					3.1	3	2.9	2.7
56					2.8	2.7	2.6	2.5
58						2.5	2.4	2.2
60							2.2	2
62								1.8

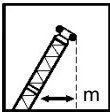
Operation modes and lifting performances-HF

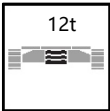
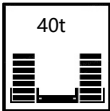


Main boom 31~52m, fixed jib 7m

	31	34	37	40	43	46	49	52
12	12.5	12.5	12.5					
14	12.5	12.5	12.5	12.5	12.5	12.5	12.5	
16	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
18	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
20	11.6	11.9	12.2	12.4	12.5	12.5	12.5	12.5
22	11.1	11.4	11.7	11.9	12.2	12.4	12.3	12.1
24	10.7	11	11.2	11.2	11	10.9	10.8	10.6
26	9.2	9.5	9.7	10	10.2	10	9.9	9.8
28	8.9	9.2	9.4	9.2	9.1	9	8.8	8.7
30	8.7	8.6	8.4	8.3	8.2	8	7.9	7.7
32	7.9	7.8	7.7	7.5	7.4	7.2	7.1	6.9
34	7.2	7.1	7	6.8	6.7	6.5	6.4	6.2
36		6.4	6.3	6.2	6	5.9	5.8	5.6
38			5.8	5.7	5.5	5.4	5.2	5.1
40			5.3	5.2	5	4.9	4.7	4.6
42				4.7	4.5	4.4	4.3	4.1
44					4.1	4	3.9	3.7
46						3.7	3.5	3.3
48						3.3	3.2	3
50							2.9	2.7
52								2.4

Operation modes and lifting performances-HF

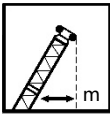


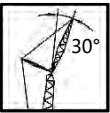
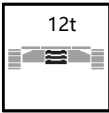
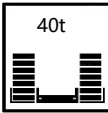


Main boom 31~52m, fixed jib 10m

	31	34	37	40	43	46	49	52
14	10.3	10.5	10.6					
16	9.7	9.9	10	10.7	10.8	10.9	11.1	
18	9.2	9.4	9.5	10.2	10.3	10.5	10.6	10.7
20	8.7	8.9	9.1	9.8	9.9	10.1	10.2	10.3
22	8.3	8.5	8.7	9.4	9.5	9.7	9.9	10
24	8	8.2	8.3	9	9.2	9.3	9.5	9.6
26	7.7	7.9	8	8.6	8.8	9	9.1	9.3
28	7.4	7.6	7.8	8.3	8.5	8.7	8.7	8.6
30	7.2	7.3	7.5	8.1	8	7.9	7.8	7.6
32	7	7.1	7.3	7.4	7.2	7.1	7	6.9
34	6.8	6.9	6.8	6.7	6.5	6.4	6.3	6.3
36	6.4	6.5	6.4	6.4	6.2	6.1	6	5.8
38	6.2	6	5.9	5.8	5.7	5.5	5.4	5.2
40		5.5	5.4	5.3	5.1	5	4.9	4.7
42			5	4.9	4.7	4.6	4.5	4.3
44				4.4	4.3	4.2	4	3.9
46				4.1	3.9	3.8	3.7	3.5
48					3.5	3.4	3.3	3.2
50						3.1	3	2.8
52							2.7	2.5
54								2.3
56								2

Operation modes and lifting performances-HF

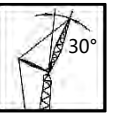
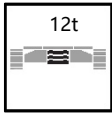
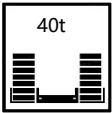
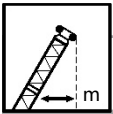




Main boom 31~52m, fixed jib 13m

	31	34	37	40	43	46	49	52
16	8	8.1	8.6					
18	7.5	7.7	7.8	7.8	8.4	8.5	8.6	
20	7.1	7.3	7.6	7.6	8	8.1	8.2	8.3
22	6.8	6.9	7.4	7.5	7.6	7.7	7.8	7.9
24	6.5	6.6	7	7.2	7.3	7.4	7.5	7.6
26	6.2	6.3	6.7	6.9	7	7.1	7.2	7.3
28	6	6.1	6.5	6.6	6.7	6.9	7	7.1
30	5.7	5.9	6.3	6.4	6.5	6.6	6.7	6.8
32	5.6	5.7	6	6.2	6.3	6.4	6.5	6.6
34	5.4	5.5	5.9	6	6.1	6.2	6.3	6.4
36	5.3	5.4	5.7	5.8	5.9	6	5.9	5.7
38	5.2	5.3	5.5	5.7	5.6	5.4	5.3	5.2
40	5.2	5.1	5.1	5	5	4.9	4.9	4.9
42		5.1	5	5	4.9	4.7	4.6	4.5
44			4.7	4.6	4.4	4.3	4.2	4
46			4.3	4.2	4.1	3.9	3.8	3.7
48				3.9	3.7	3.6	3.5	3.3
50					3.4	3.3	3.2	3
52						3	2.9	2.7
54						2.7	2.6	2.4
56							2.3	2.1
58								1.9

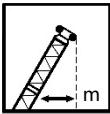
Operation modes and lifting performances-HF

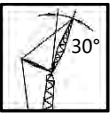
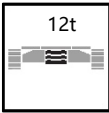
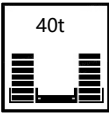


Main boom 31~52m, fixed jib 16m

	31	34	37	40	43	46	49	52
18	6.5	6.9	7	7.1				
20	6.2	6.5	6.6	6.7	6.8	6.9	7	
22	5.8	6.2	6.3	6.4	6.5	6.6	6.6	6.7
24	5.6	5.9	6	6.1	6.2	6.3	6.4	6.4
26	5.3	5.6	5.7	5.8	5.9	6	6.1	6.2
28	5.1	5.4	5.5	5.6	5.7	5.8	5.9	5.9
30	4.9	5.1	5.3	5.4	5.5	5.6	5.6	5.7
32	4.7	5	5.1	5.2	5.3	5.4	5.5	5.5
34	4.5	4.8	4.9	5	5.1	5.2	5.3	5.4
36	4.4	4.6	4.7	4.8	4.9	5	5.1	5.2
38	4.3	4.5	4.6	4.7	4.8	4.9	5	5
40	4.2	4.4	4.5	4.6	4.6	4.7	4.8	4.8
42	4.1	4.3	4.4	4.4	4.5	4.6	4.5	4.4
44	4.1	4.2	4.3	4.3	4.3	4.2	4.1	4
46		4.1	4.1	4.1	4.1	4	3.9	3.8
48			4.1	4	3.8	3.7	3.6	3.4
50				3.6	3.5	3.4	3.3	3.1
52				3.3	3.2	3.1	3	2.8
54					2.9	2.8	2.7	2.5
56						2.5	2.4	2.3
58							2.2	2
60								1.8
62								1.6

Operation modes and lifting performances-HF

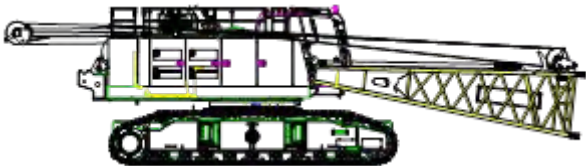
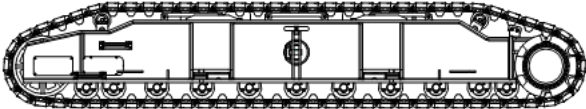
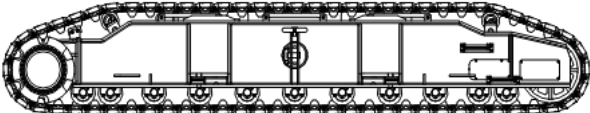
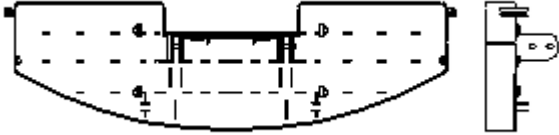
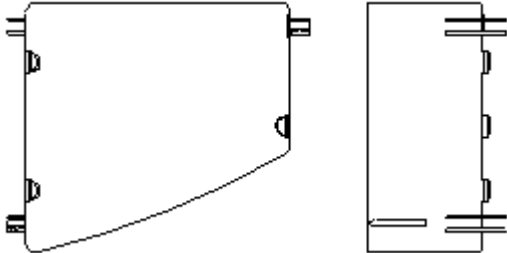




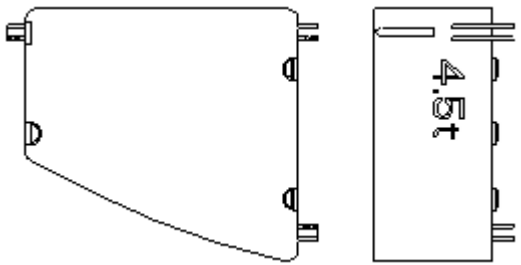
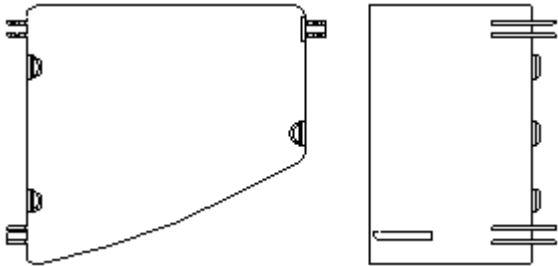
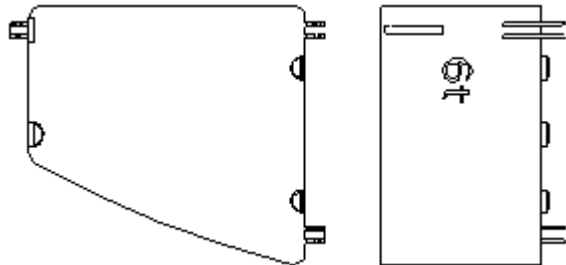
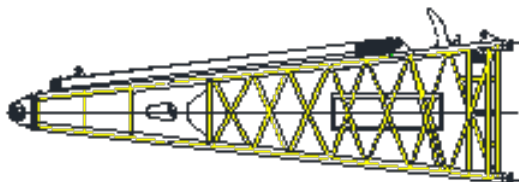
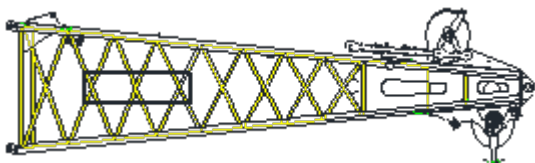
Main boom 31~52m, fixed jib 19m

	31	34	37	40	43	46	49	52
20	5.5	5.8	5.9	6				
22	5.2	5.5	5.6	5.7	5.7	5.8	5.9	
24	4.9	5.2	5.3	5.4	5.5	5.5	5.6	5.1
26	4.7	4.9	5	5.1	5.2	5.3	5.4	4.9
28	4.5	4.7	4.8	4.9	5	5.1	5.1	4.9
30	4.3	4.5	4.6	4.7	4.8	4.9	4.9	4.8
32	4.1	4.3	4.4	4.5	4.6	4.7	4.7	4.7
34	3.9	4.2	4.2	4.3	4.4	4.5	4.6	4.6
36	3.8	4	4.1	4.2	4.3	4.3	4.4	4.5
38	3.7	3.9	4	4	4.1	4.2	4.3	4.3
40	3.6	3.7	3.8	3.9	4	4.1	4.1	4.1
42	3.5	3.6	3.7	3.8	3.9	3.9	4	4
44	3.4	3.5	3.6	3.7	3.8	3.8	3.9	3.9
46	3.3	3.5	3.5	3.6	3.7	3.7	3.8	3.7
48		3.4	3.5	3.5	3.6	3.6	3.5	3.3
50			3.2	3.2	3.2	3.2	3.2	3.2
52			3.2	3.2	3.2	3.2	3.1	2.9
54				3.2	3	2.9	2.8	2.6
56					2.7	2.6	2.5	2.4
58						2.4	2.3	2.1
60						2.2	2	1.9
62							1.8	1.7

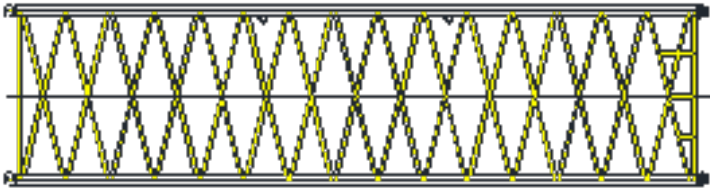
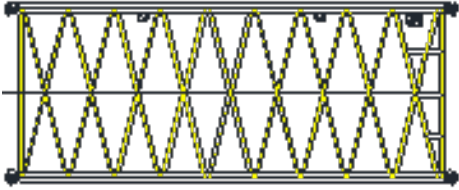
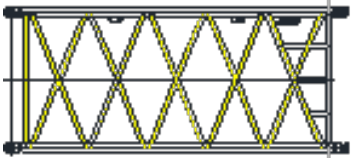
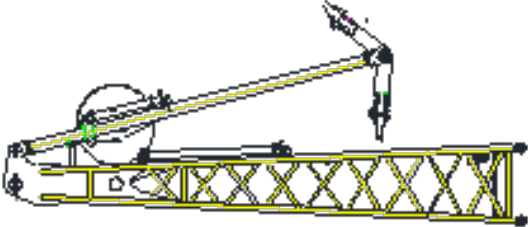
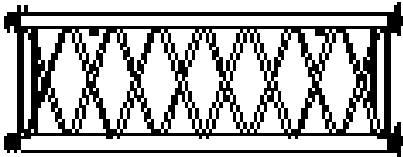
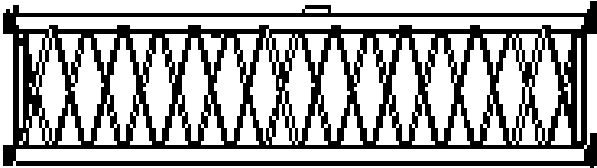
Dimensions of transported components

	Basic crane transport plan I	×1
	Length	13600 mm
	Width	3400 mm
	Height	3100 mm
	Weight	23500 kg
	Basic crane transport plan II	×1
	Length	13600 mm
	Width	3420 mm
	Height	3500 mm
	Weight	44700 kg
	Left track frame	×1
	Length	6650 mm
	Width	1150 mm
	Height	1230 mm
	Weight	9800 kg
	Right track frame	×1
	Length	6650 mm
	Width	1150 mm
	Height	1230 mm
	Weight	9800 kg
	7t turntable counterweight tray	×1
	Length	5100 mm
	Width	1450 mm
	Height	829 mm
	Weight	7000 kg
	4.5t counterweight slab	×1
	Length	1630 mm
	Width	1342 mm
	Height	746 mm
	Weight	4500 kg

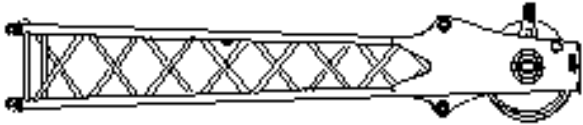
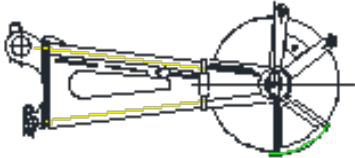
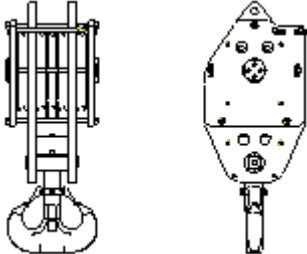
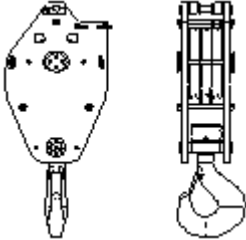
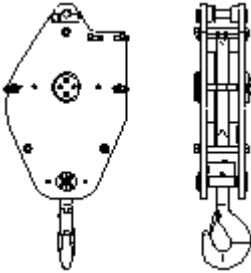
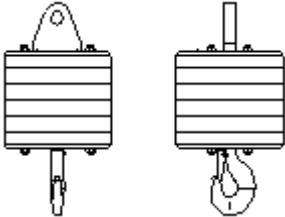
Dimensions of transported components

	4.5t counterweight slab	×1
	Length	1630 mm
	Width	1342 mm
	Height	746 mm
	Weight	4500 kg
	6t counterweight slab	×2
	Length	1630 mm
	Width	1342 mm
	Height	951 mm
	Weight	6000 kg
	6t counterweight slab	×2
	Length	1630 mm
	Width	1342 mm
	Height	951 mm
	Weight	6000 kg
	Car-body counterweight slab	×2
	Length	2136 mm
	Width	1400 mm
	Height	927 mm
	Weight	6000 kg
	6.5m main boom butt	×1
	Length	6670 mm
	Width	1850 mm
	Height	1850 mm
	Weight	1200 kg
	6.5m main boom top	×1
	Length	7200 mm
	Width	1790 mm
	Height	1750 mm
	Weight	1300 kg

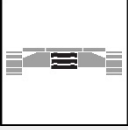
Dimensions of transported components

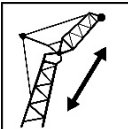
	12m main boom insert	×3
	Length	1213 mm
	Width	1850 mm
	Height	1600 mm
	Weight	1200 kg
	6m main boom insert	×2
	Length	6130 mm
	Width	1850 mm
	Height	1600 mm
	Weight	750 kg
	3m main boom insert	×2
	Length	3130 mm
	Width	1850 mm
	Height	1600 mm
	Weight	400 kg
	Fixed jib butt	×1
	Length	4110 mm
	Width	840 mm
	Height	1680 mm
	Weight	590 kg
	3m fixed jib insert	×1
	Length	3060 mm
	Width	800 mm
	Height	610 mm
	Weight	113 kg
	6m fixed jib insert	×1
	Length	6060 mm
	Width	800 mm
	Height	610 mm
	Weight	207 kg

Dimensions of transported components

	Fixed jib top	×1
	Length	3400 mm
	Width	800 mm
	Height	610 mm
	Weight	290 kg
	Boom end single pulley	×1
	Length	1400 mm
	Width	810 mm
	Height	562 mm
	Weight	130 kg
	100t hook block (optional)	×1
	Length	1670 mm
	Width	760 mm
	Height	705 mm
	Weight	1670 kg
	80t hook block	×1
	Length	760 mm
	Width	418 mm
	Height	1998 mm
	Weight	960 kg
	32t hook block	×1
	Length	760 mm
	Width	350 mm
	Height	1628 mm
	Weight	730 kg
	13.5t hook block	×1
	Length	485 mm
	Width	485 mm
	Height	787 mm
	Weight	500 kg

Symbols

	Rated lifting capacity
	Max. main boom length
	Working radius
	Undercarriage counterweight
	Main boom angle

	Main boom and fixed jib combination length
	Turntable counterweight
	Angle between main boom and jib
	Tower 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 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 modify the design (such as product model, parameters and configurations) without notice for improvement. The pictures are for reference only, please prevail to the actual product.



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