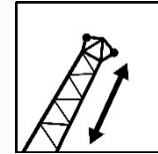


XGC320 CRAWLER CRANE

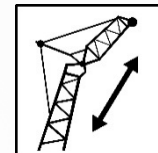
Technical Specification



320t



88m

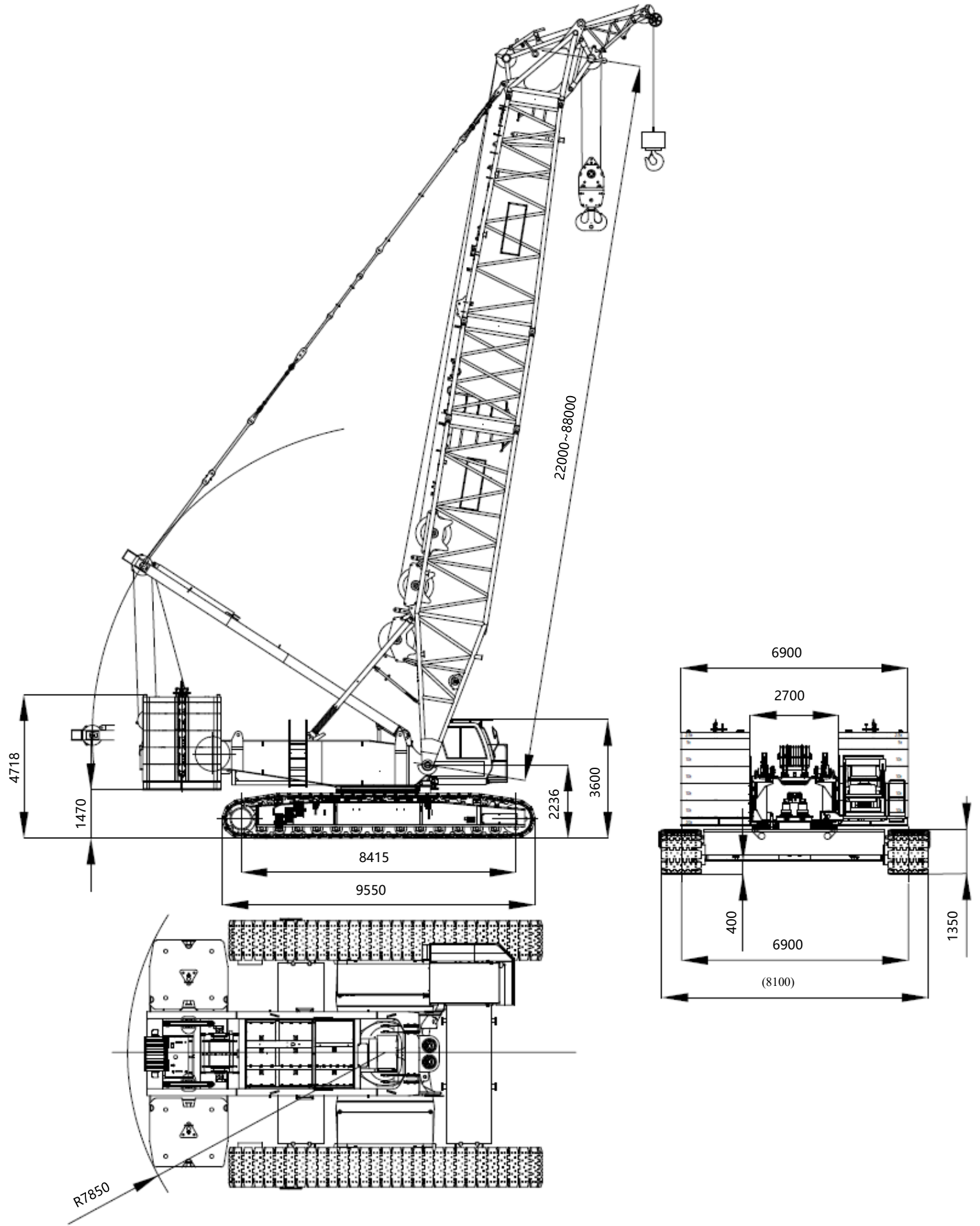


64+60m

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Dimension Parameters (mm)



XCMG_XGC320

Technical Specifications

➤ Cab

- The new-generation cab, designed with ergonomic principles and showcasing XCMG elements, is fully enclosed with a sleek design, broad visibility, elegant appearance, and provides a comfortable operating experience.

➤ Engine system

- Brand/model: WP10G336E344
- Type: in-line water-cooled, turbocharged and EFI environment-friendly Weichai engine
- Emission standard: Off-road China III
- Rated power: 247kW
- Rated speed: 1,900rpm
- Maximum output torque: 1,550 N.m
- Fuel tank capacity: 700L

➤ Hydraulic system

- The main system is a hydraulic proportional control system with an open-closed hydraulic circuit. The system incorporates a split-power variable twin-pump and a variable motor equipped with pressure cutoff function.
- Hydraulic system composition: hoisting system, luffing system, slewing system, traveling system and auxiliary assembly system.
- Features of hydraulic system: It has fine motion capability; the hoisting and slewing systems are equipped with a unique fine motion speed adjustment knob, which makes operation convenient, allows for stepless speed control, and meets the requirements for precise control.
- The hoisting system, main luffing system and traveling system all have high-speed gears and fine motion gears, which are sensitive to operation and stable in action.
- The closed system is adopted for slewing, which has the function of free sliding, fast response, accurate control, stable starting/braking and reversing without impact. It can meet the requirements of frequent reversing and fine motion operation.
- It has the functions of automatic traveling direction reversal, self-disassembly and assembly of counterweight and crawler frame.

➤ Electrical system

- The electrical system mainly consists of the engine control, auxiliary equipment, hydraulic system control, load moment indicator and safety monitoring, data display, etc.
- The electrical system consists of a conventional electrical system and a PLC control system.
- The conventional electrical system consists of power supply, start control, cab A/C and audio, lighting, wipers, etc.
- The PLC control system manages the main and auxiliary winches, slewing, boom luffing, and engine status monitoring, with all operations controlled through PLC logic via CAN-bus technology.

Battery No.	Rated voltage	Rated capacity
6-QAW-180D	12 V	180 Ah

Technical Specifications

➤ Hoisting system

- The hoisting system consists of main hoisting system I, main hoisting system II (optional) and auxiliary hoisting system.
- The main and auxiliary hoisting systems adopt a built-in reducer, which is driven independently, with dual-pump confluence oil supply. The main and auxiliary hoisting systems are mounted on the bottom section of boom through pin shafts to reduce the transportation weight of the basic crane. The reducer is provided with a normally closed disc brake, which is safe and reliable; the reducer of this crane is lubricated by splashing oil without maintenance. The hoisting system of this crane features easy oil change, low noise, high efficiency and long service life, as well as excellent micro-speed performance.

Hoisting system	Main hoisting system I	Main hoisting system II	Auxiliary hoisting system
Type of wire rope	Special steel wire rope with left-twist and same-direction lay configuration		
Diameter of wire rope	28 mm	28 mm	26 mm
Length of winch wire rope	680 m	360 mm	300 mm

➤ Luffing system

- The luffing system includes boom luffing system and tower jib luffing system.
- The boom luffing system is independently driven by a dual drum and mounted at the middle rear of the turntable through a pin shaft. The boom luffing system adopts a built-in reducer and a normally closed disc brake. The drum is provided with a ratchet locking device to realize mechanical braking, which is safe and reliable.
- In tower jib operation mode, the auxiliary hoisting system is used as jib luffing system to realize the tower jib luffing through function switching.

Main luffing system	Diameter of wire rope	26 mm
	Length of winch wire rope	360 m

Tower jib luffing system (use auxiliary hoisting system)	Diameter of wire rope	26 mm
	Length of winch wire rope	300 m

➤ Slewing system

- The slewing system and the slewing bearing are driven by external meshing and are located in front of the turntable. The motor drives the planetary gear reducer to drive the slewing bearing for 360° slewing.
- The slewing system is equipped with a built-in planetary reducer and a normally closed brake to realize the function of “spring braking/hydraulic release” and ensure extremely high braking safety for slewing.
- The slewing system is also provided with a mechanical slewing locking device to realize the locking protection of the slewing system.
- The slewing system has the function of free sliding.

Technical Specifications

➤ Hook

- The hook configuration of the crane is as follows

Nominal load of hook (t)	300	260	200	160	100	50	16
Number of pulleys (Pcs)	11	9	7	5	3	1	0
Dead weight of hook (t)	5.5	4.6	4.2	3.9	3.1	2.5	0.9

- 1) The hook specifications included in this table are non-standard configurations and shall be subject to the formal contract signed;
- 2) The lifting capacity indicated in the designation of hook refers only to the rated capacity of hook. The actual lifting capacity should be determined by calculating the single line pull of the lifting wire rope and the parts of line;
- 3) If there are special requirements other than the hooks listed in the above table, contact our company for confirmation to ensure that the selected hooks can be normally matched and used.

➤ Counterweight

- The counterweight consists of car-body counterweight and turntable counterweight.
- The car-body counterweight is 40t in total.
- The turntable counterweight can also be referred to as superstructure counterweight. The turntable counterweight is 125t, and the counterweight tray is 20t. Each operation mode provides its own independent lifting performance table according to the graded counterweights, to meet the requirements of customers for different lifting modes. An optional self-dismantling device can be configured with the turntable counterweight, facilitating its autonomous installation and removal.

S/N	Mass of turntable counterweight (t)	Combination type of counterweight slab
1	125	20t+10t×8+5t×4+2.5t×2
2	115	20t+10t×8+5t×2+2.5t×2
3	105	20t+10t×6+5t×4+2.5t×2
4	95	20t+10t×6+5t×2+2.5t×2

➤ Turntable

- Turntable is a key load bearing structural component to connect crane superstructure and undercarriage. The double-sided “工” shaped beam box frame composite structure welded with high-strength steel plates can be connected to undercarriage through slewing bearings, with high overall strength and good stability. Cab, main luffing system, engine system, hydraulic pump group, hydraulic valve, electrical control cabinet, mast, boom butt, superstructure counterweight and its self-dis/assembling oil cylinder (optional) can be connected to turntable at different positions.

Technical Specifications

➤ Boom combinations

- Lifting boom is a four-chord lattice structure with equal section in the middle and variable section at both ends. It is made of high-strength steel plate and uses large section, large pipe diameter, thin wall and high strength seamless pipe as main chords and lacing members. Through accurate analysis and calculation of single and double center hitch, boom length of this crane has been dramatically increased, the potential of boom section has been fully developed and the lifting capacity has been greatly improved.
- The operating equipment includes boom, tower jib, fixed jib, boom end single pulley, tower jib end single pulley, fixed jib end single pulley and boom/jib pendants. It can provide 15 operation modes in five categories, mainly including boom operation mode, tower jib operation mode, light-duty boom operation mode, fixed jib operation mode and TBM jib operation mode.
- There are 3 boom operation modes. The recommended length of boom is 22m ~ 64m, with a maximum optional length of 88m. It can be specially customized to 94m. See "Operation Mode and Lifting Performance" in this document for boom combinations.
- There are 3 tower jib operation modes of tower jib. The recommended length of tower jib is 24m~42m, with a maximum optional length of 60m. It can be specially customized to 66m. See "Operation Mode and Lifting Performance" in this document for tower jib combinations.
- The light-duty boom operation mode is composed of boom sections and tower jib sections. This is realized by purchasing boom operation mode and tower jib operation mode, without buying other boom/jib sections separately. There are three light-duty boom operation modes. The maximum length of light-duty boom is 107.5m. See "Operation Mode and Lifting Performance" in this document for boom and jib combinations.
- There are 3 fixed jib operation modes. The recommended length of fixed jib is 7m, with a maximum optional length of 16m. See "Operation Mode and Lifting Performance" in this document for jib combinations.
- TBM jib sections are interchangeable with fixed jib sections, which can be realized without special accessories. There are three TBM jib operation modes. The recommended length of TBM jib is 7m, with a maximum optional length of 10m.

➤ Boom luffing components

- High-strength pendant structure is adopted, with a high safety factor; the balance beam structure is adopted for the transition of the pendant, which is evenly stressed; single pendant is equipped with a "peach" shaped connecting hole, which is convenient to install, labor-saving and efficient.

➤ Mast

- Mast is of a box-shaped double-limb structure to ensure good overall stability. The mast is outfitted with an auxiliary assembly cylinder to assemble boom butt, insert sections and pendants. In addition, it can also be used for counterweight stacking and crawler frame self-assembly.

➤ Oil cylinder assembly

- The connection between boom and turntable, the connection between car-body and crawler beam, and the connection between counterweight tray and turntable are all connections through power pins driven by oil cylinders. Mast jacking cylinder, outrigger cylinder and crawler tensioning cylinder make installation and disassembly more convenient. Oil cylinders are set in the cab to realize vertical tilting and horizontal rotation of the cab.

Safety Devices

➤ Load moment indicator (LMI)

- The load moment indicator can automatically detect the angle and lifting load of the boom. It has early alarm and automatic stop functions for overload.

➤ Over-wound prevention function

- The boom head is provided with an over-wound device to prevent the wire rope from being over-wound. When lifting to a certain height, the over-wound indicator on the display is on and the lifting operation will automatically stop.

➤ Over-released prevention function

- The hoisting system uses an encoder as a three-coil protector to prevent the wire rope from being over-released. When there are only three turns of rope left on winch, the over-released indicator on the display will be on and the lowering operation will stop automatically at the same time.

➤ Angle limit device for boom

- The lifting operation is halted when boom reaches the designated angle, managed by dual control from a load moment indicator and a stroke switch. If boom angle falls below the specified angle, the lowering operation is automatically halted and controlled by the load moment indicator, which also emits an audible alarm.

➤ Backstop function

- It is equipped with back-stop devices for boom and jib struts to prevent boom and strut from tilting backward.

➤ Safety protection function of hydraulic system

- It is provided with hydraulic balance valve, hydraulic overflow valve and other devices to ensure the stability and safety of the system during operation.

➤ Monitoring system

- It consists of four cameras and one monitor, which can be used to monitor the rope arrangement of main winch, auxiliary winch and luffing winch, the safety of the rear part of the vehicle body and the lifting condition of the boom head.

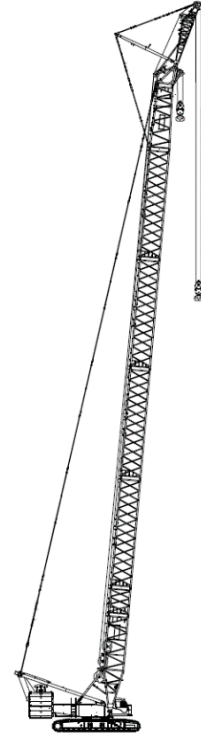
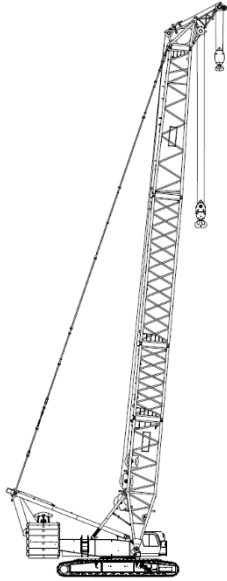
➤ Audible and visual alarm function

- There are three-color alarm lamps and audible and visual alarms to display vehicle load and action status, and warn the driver and personnel outside the vehicle.

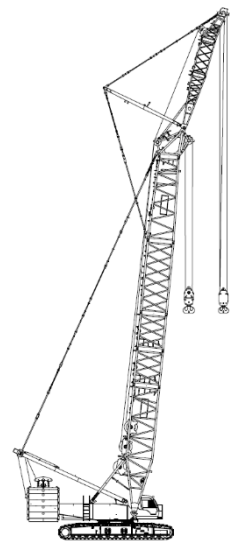
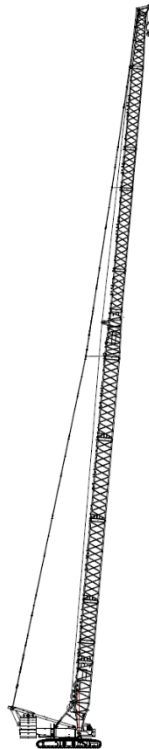
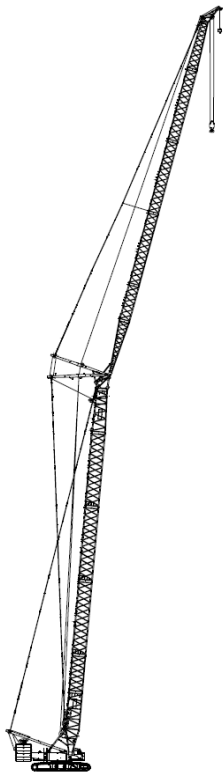
Main Technical Parameters

Item		Unit	Value
Max. lifting moment		t.m	1870
Max. rated lifting capacity	Main boom operation mode	t	320
	Light duty main boom operation mode	t	118
	Tower jib operation mode	t	130
	Fixed jib operation mode	t	130
	TBM operation mode (two hook operation)	t	200
Speed parameters	Max. single rope speed for hoisting	m/min	120
	Max. single rope speed for boom luffing	m/min	2×42
	Max. single rope speed for tower jib luffing	m/min	120
	Max. slewing speed	rpm	0.8
	Max. travel speed	km/h	1.0
Engine	Rated power	kW	247
	Emission standard	-	Off-road China III
Overall mass of the crane (based on 22m boom, 200t hook, 95t+40t counterweight)		t	260
Average ground pressure		MPa	0.143
Gradeability		-	30%
Max. mass of detachable single piece in transport		t	36.2
Max. dimension of single-piece dimension in transport (length × width × height)		m	11.12×3.00×3.30
Type of hook configured		t	200t, 160t, 16t

Operation Mode and Lifting Performance



Main boom operation mode (HB)	Fixed jib operation mode (HF)
Main boom: 22~88 m	Main boom: 34~85 m Fixed jib: 7~16 m



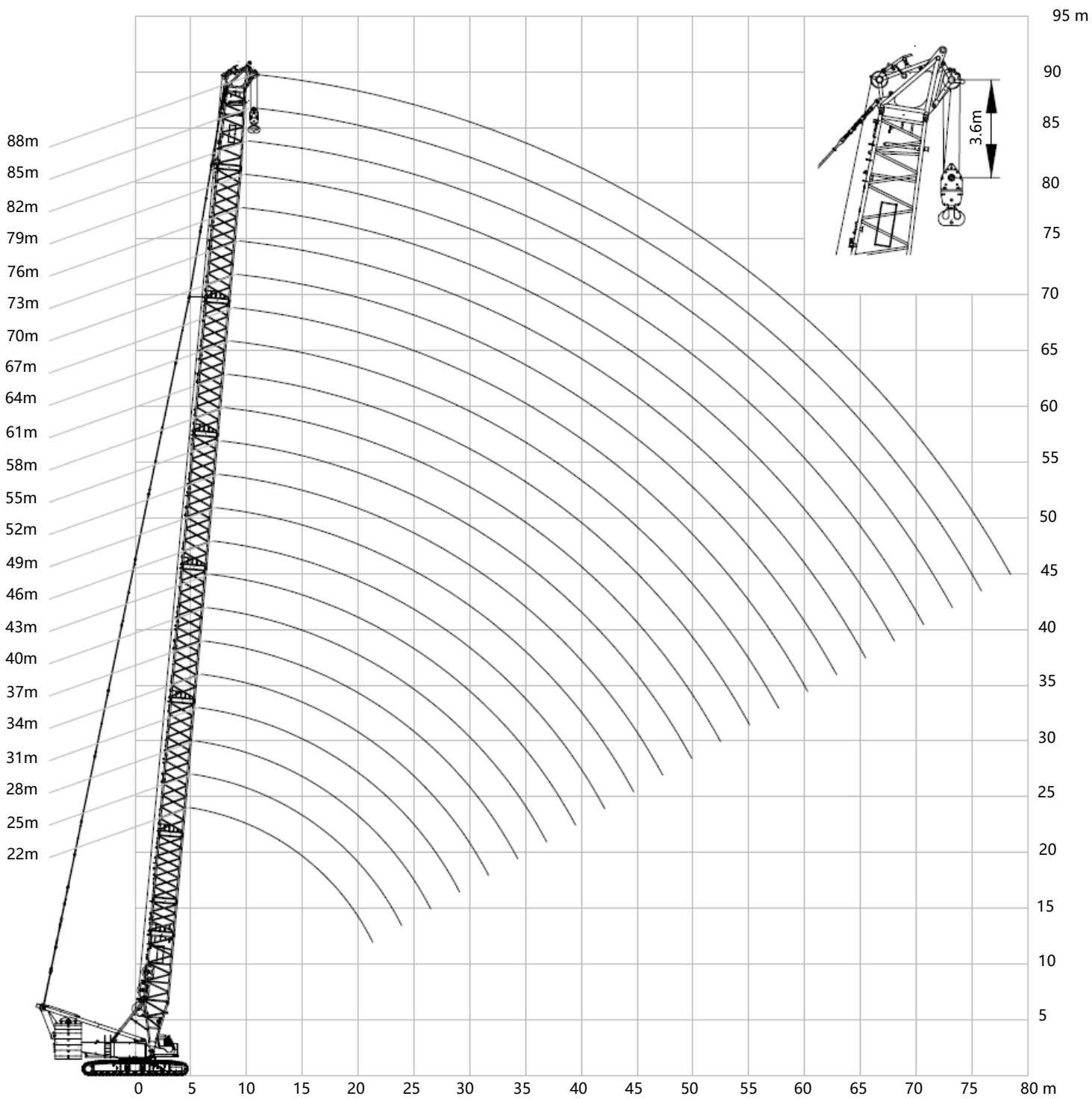
Tower jib operation mode (HW)	Light duty main boom operation mode (LB)	TBM operation mode (HBF)
Main boom: 25~64 m Tower jib: 24~60m	Main boom: 65.5~107.5m	Main boom: 19~23m Fixed jib: 7~10m

Operation Mode and Lifting Performance-HB

Boom combination							
Boom length/m	Boom code						
	H10.5B-2621 (10.5m)	H3-2621 (3m)	H6-2621 (6m)	H12-2621 (12mA)	H12-2621 (12mB)	H7R-2621 (7m)	HT1.5-2016 (1.5m)
22	1	1	0	0	0	1	1
25	1	0	1	0	0	1	1
28	1	1	1	0	0	1	1
31	1	0	0	1	0	1	1
34	1	1	0	1	0	1	1
37	1	0	1	1	0	1	1
40	1	1	1	1	0	1	1
43	1	0	1	2	0	1	1
46	1	1	0	2	0	1	1
49	1	0	1	2	0	1	1
52	1	1	1	2	0	1	1
55	1	0	0	3	0	1	1
58	1	1	0	3	0	1	1
61	1	0	1	3	0	1	1
64	1	1	1	3	0	1	1
67	1	0	0	3	1	1	1
70	1	1	0	3	1	1	1
73	1	0	1	3	1	1	1
76	1	1	1	3	1	1	1
*79	1	0	1	3	2	1	1
*82	1	1	0	3	2	1	1
*85	1	0	1	3	2	1	1
*88	1	1	1	3	2	1	1

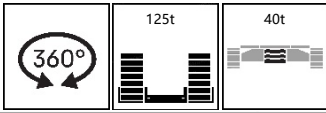
Notes: 1. Boom lengths with "*" need to use 1.33m center hitch.
 2. Tower jib rear pendant needs to be removed from boom sections, tower jib guide pulley needs to be removed from boom tapered section.
 3. To ensure the maximum use of boom combination, it is recommended to purchase boom 28m, 40m, 52m, 64m, 76m, 88m.

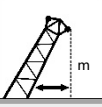
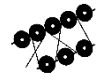
Operation Mode and Lifting Performance-HB



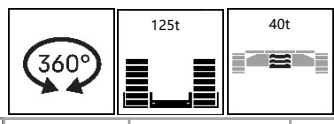
Operation Mode and Lifting Performance-HB

Main boom length 22~55 m





 m	22	25	28	31	34	37	40	43	46	49	52	55
8									209.7	195.0	195.0	180.0
9						201.5	199.9	198.1	196.1	194.3	192.4	180.0
10			182.3	182.2	180.4	178.7	176.9	175.3	173.6	172.1	170.5	169.0
11	170.0	166.3	164.6	163.2	161.5	160.0	158.4	157.0	155.5	154.1	152.7	151.5
12	155.0	150.3	148.8	147.5	146.0	144.7	143.2	142.0	140.7	139.4	138.1	137.0
14	127.7	124.5	124.4	123.5	122.2	121.1	119.9	118.9	117.7	116.7	115.6	114.6
16	105.3	103.2	103.1	103.1	102.9	102.8	102.5	101.8	100.8	99.8	98.9	98.0
18	89.4	87.7	87.6	87.6	87.4	87.2	87.0	86.8	86.6	86.4	86.0	85.3
20	77.4	76.0	75.8	75.8	75.6	75.4	75.2	75.0	74.8	74.5	74.2	74.0
22		66.8	66.7	66.7	66.5	66.3	66.0	65.9	65.6	65.3	65.0	64.8
24			59.2	59.2	59.0	58.8	58.5	58.4	58.1	57.8	57.5	57.3
26			53.0	53.1	52.9	52.7	52.5	52.3	52.0	51.7	51.4	51.2
28				48.0	47.8	47.6	47.4	47.2	46.9	46.7	46.3	46.1
30					43.4	43.2	42.9	42.8	42.5	42.2	41.9	41.7
32						39.5	39.2	39.1	38.8	38.5	38.2	37.9
34						36.2	35.9	35.8	35.5	35.2	34.9	34.7
36							33.1	33.0	32.7	32.4	32.1	31.8
38								30.4	30.1	29.9	29.5	29.3
40									27.9	27.6	27.3	27.1
42									25.7	25.5	25.2	25.0
44										23.7	23.3	23.1
46											21.7	21.5
48												20.0
	11	11	12	12	12	13	13	13	14	13	12	12

Operation Mode and Lifting Performance-HB



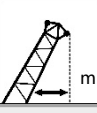

Main boom length 58~88 m

	58	61	64	67	70	73	76	79	82	85	88
9	180.0	164.9	164.9	153.0							
10	166.5	163.2	160.0	153.0	149.5	136.0	130.3	119.0			
11	150.0	147.1	144.5	142.1	139.5	136.0	128.6	119.0	113.4	105.3	97.9
12	135.8	133.9	131.5	129.4	127.2	125.1	122.9	119.0	112.2	104.1	96.8
14	113.5	112.5	111.0	109.5	107.7	106.0	104.3	102.8	101.1	99.5	94.4
16	97.1	96.1	95.3	94.4	92.9	91.5	90.1	88.8	87.5	86.2	84.8
18	84.4	83.9	82.8	82.4	81.4	80.2	79.0	77.8	76.7	75.5	74.4
20	73.7	73.5	72.8	72.5	71.7	71.0	69.9	69.0	68.0	67.0	65.9
22	64.5	64.2	63.9	63.9	63.6	63.1	62.4	61.7	60.7	59.8	58.8
24	57.0	56.7	56.4	56.4	56.1	55.8	55.5	55.3	54.6	53.8	52.9
26	50.9	50.6	50.3	50.3	50.0	49.7	49.3	49.2	48.9	48.6	47.9
28	45.8	45.5	45.2	45.2	44.8	44.5	44.2	44.0	43.6	43.3	43.0
30	41.3	41.0	40.7	40.7	40.4	40.1	39.7	39.6	39.2	38.9	38.6
32	37.6	37.3	37.0	37.0	36.6	36.3	36.0	35.8	35.5	35.2	34.8
34	34.4	34.1	33.7	33.7	33.4	33.1	32.7	32.5	32.2	31.9	31.5
36	31.5	31.2	30.9	30.9	30.5	30.2	29.8	29.7	29.3	29.0	28.7
38	29.0	28.7	28.3	28.3	28.0	27.7	27.3	27.2	26.8	26.5	26.0
40	26.7	26.4	26.0	26.0	25.6	25.3	24.9	24.8	24.5	24.1	23.8
42	24.6	24.3	24.0	24.0	23.6	23.3	22.9	22.8	22.4	22.1	21.7
44	22.8	22.5	22.1	22.1	21.8	21.5	21.1	21.0	20.6	20.3	19.9
46	21.1	20.8	20.5	20.5	20.1	19.8	19.4	19.3	18.9	18.6	18.2
48	19.6	19.3	19.0	19.0	18.6	18.3	17.9	17.8	17.4	17.1	16.7
50	18.2	17.9	17.6	17.6	17.3	16.9	16.6	16.4	16.1	15.7	15.4
52	17.0	16.7	16.3	16.3	16.0	15.7	15.3	15.2	14.8	14.5	14.1
54		15.5	15.1	15.2	14.8	14.5	14.1	14.0	13.6	13.3	12.9
56			14.1	14.1	13.7	13.4	13.0	12.9	12.5	12.2	11.8
58				13.1	12.7	12.4	12.0	11.9	11.5	11.2	10.8
60				12.1	11.8	11.5	11.1	11.0	10.6	10.3	9.9
64						9.8	9.4	9.3	8.9	8.5	8.1
68							7.8	7.7	7.3	7.0	6.6
72									6.0	5.7	5.4
76											4.5
	12	10	10	9	9	8	8	7	7	7	6

Operation Mode and Lifting Performance-HB

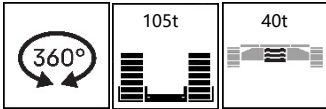
Main boom length 22~55 m



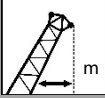
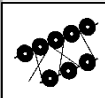
 m	22	25	28	31	34	37	40	43	46	49	52	55
5	320.0											
6	300.0	290.5	284.9	266.4	252.5							
7	254.0	252.8	252.5	251.6	245.8	238.5	224.2	209.7				
8	221.3	217.0	216.6	216.5	216.1	215.8	215.4	209.7	207.7	195.0	195.0	180.0
9	197.2	193.6	193.2	193.1	192.7	192.4	189.6	185.2	180.9	176.8	172.9	169.1
10	175.1	174.6	174.2	174.1	173.7	170.7	167.0	163.4	160.0	156.7	153.4	150.3
11	160.9	157.8	157.8	157.8	155.2	152.1	149.0	146.0	143.2	140.4	137.7	135.1
12	138.1	138.2	138.1	138.2	138.1	136.9	134.3	131.9	129.3	127.0	124.7	122.4
14	110.1	110.2	110.0	110.1	109.9	109.8	109.6	109.4	108.1	106.2	104.4	102.7
16	91.1	91.1	91.0	91.0	90.8	90.7	90.4	90.3	90.1	89.9	89.4	88.0
18	77.2	77.3	77.2	77.2	77.0	76.8	76.6	76.4	76.2	75.9	75.7	75.4
20	66.8	66.9	66.7	66.8	66.6	66.4	66.1	66.0	65.7	65.4	65.2	64.9
22		58.6	58.5	58.5	58.3	58.1	57.8	57.7	57.4	57.1	56.8	56.6
24			51.8	51.9	51.7	51.5	51.2	51.1	50.8	50.5	50.2	50.0
26			46.4	46.5	46.3	46.1	45.8	45.7	45.4	45.1	44.8	44.6
28				41.8	41.6	41.4	41.2	41.0	40.7	40.4	40.1	39.9
30					37.7	37.6	37.3	37.1	36.8	36.6	36.2	36.0
32						34.2	33.9	33.8	33.5	33.2	32.9	32.7
34						31.3	31.0	30.9	30.6	30.3	30.0	29.8
36							28.5	28.4	28.1	27.8	27.5	27.2
38								26.0	25.7	25.4	25.1	24.9
40									23.7	23.4	23.1	22.9
42									21.8	21.6	21.3	21.1
44										20.0	19.6	19.4
46											18.2	18.0
48												16.6
	*24	*22	*21	*19	18	17	16	14	14	13	12	12

Note: For the area with "***", when the used parts of line exceed 18 (rated lifting capacity of 260t), a special boom pulley block is required.

Operation Mode and Lifting Performance-HB



Main boom length 58~85 m

 m	58	61	64	67	70	73	76	79	82	85
9	165.3	161.8	158.4	153.0						
10	147.2	144.3	141.4	138.9	136.2	133.6	130.3	119.0		
11	132.5	129.9	127.5	125.4	123.1	120.9	118.7	116.6	113.4	105.3
12	120.2	118.1	116.0	114.2	112.1	110.1	108.2	106.4	104.5	102.7
14	101.0	99.3	97.7	96.3	94.6	93.1	91.5	90.1	88.7	87.2
16	86.6	85.3	83.9	82.8	81.5	80.2	78.9	77.7	76.4	75.2
18	75.2	74.3	73.1	72.3	71.1	70.0	68.9	67.9	66.9	65.8
20	64.7	64.4	64.1	63.9	62.8	61.9	60.8	59.9	59.0	58.0
22	56.3	56.1	55.7	55.7	55.5	55.0	54.1	53.4	52.5	51.7
24	49.7	49.4	49.1	49.1	48.8	48.5	48.2	47.9	47.1	46.3
26	44.2	43.9	43.5	43.5	43.2	42.9	42.6	42.4	42.1	41.7
28	39.6	39.3	38.9	38.9	38.6	38.3	38.0	37.8	37.5	37.2
30	35.7	35.4	35.1	35.1	34.7	34.4	34.1	33.9	33.6	33.3
32	32.4	32.1	31.7	31.7	31.4	31.1	30.7	30.6	30.2	29.9
34	29.5	29.2	28.8	28.8	28.5	28.1	27.8	27.6	27.3	27.0
36	26.9	26.6	26.3	26.3	25.8	25.5	25.1	25.0	24.6	24.3
38	24.6	24.2	23.9	23.9	23.6	23.2	22.9	22.7	22.4	22.0
40	22.5	22.2	21.9	21.9	21.5	21.2	20.9	20.7	20.4	20.0
42	20.7	20.4	20.1	20.1	19.7	19.4	19.0	18.9	18.5	18.2
44	19.1	18.8	18.4	18.5	18.1	17.8	17.4	17.3	16.9	16.6
46	17.6	17.3	17.0	17.0	16.6	16.3	15.9	15.8	15.4	15.1
48	16.3	16.0	15.6	15.6	15.3	14.9	14.6	14.4	14.1	13.7
50	15.0	14.7	14.4	14.4	14.0	13.7	13.3	13.2	12.8	12.5
52	13.9	13.6	13.2	13.3	12.9	12.6	12.2	12.1	11.7	11.4
54		12.5	12.2	12.2	11.9	11.5	11.2	11.0	10.7	10.3
56			11.2	11.2	10.9	10.6	10.2	10.1	9.7	9.4
58				10.3	10.0	9.7	9.3	9.2	8.8	8.4
60				9.5	9.1	8.8	8.4	8.2	7.9	7.5
64						7.2	6.8	6.7	6.4	6.0
68							5.5	5.4	5.0	4.7
72									3.8	3.5
	11	10	10	9	9	8	8	7	7	7

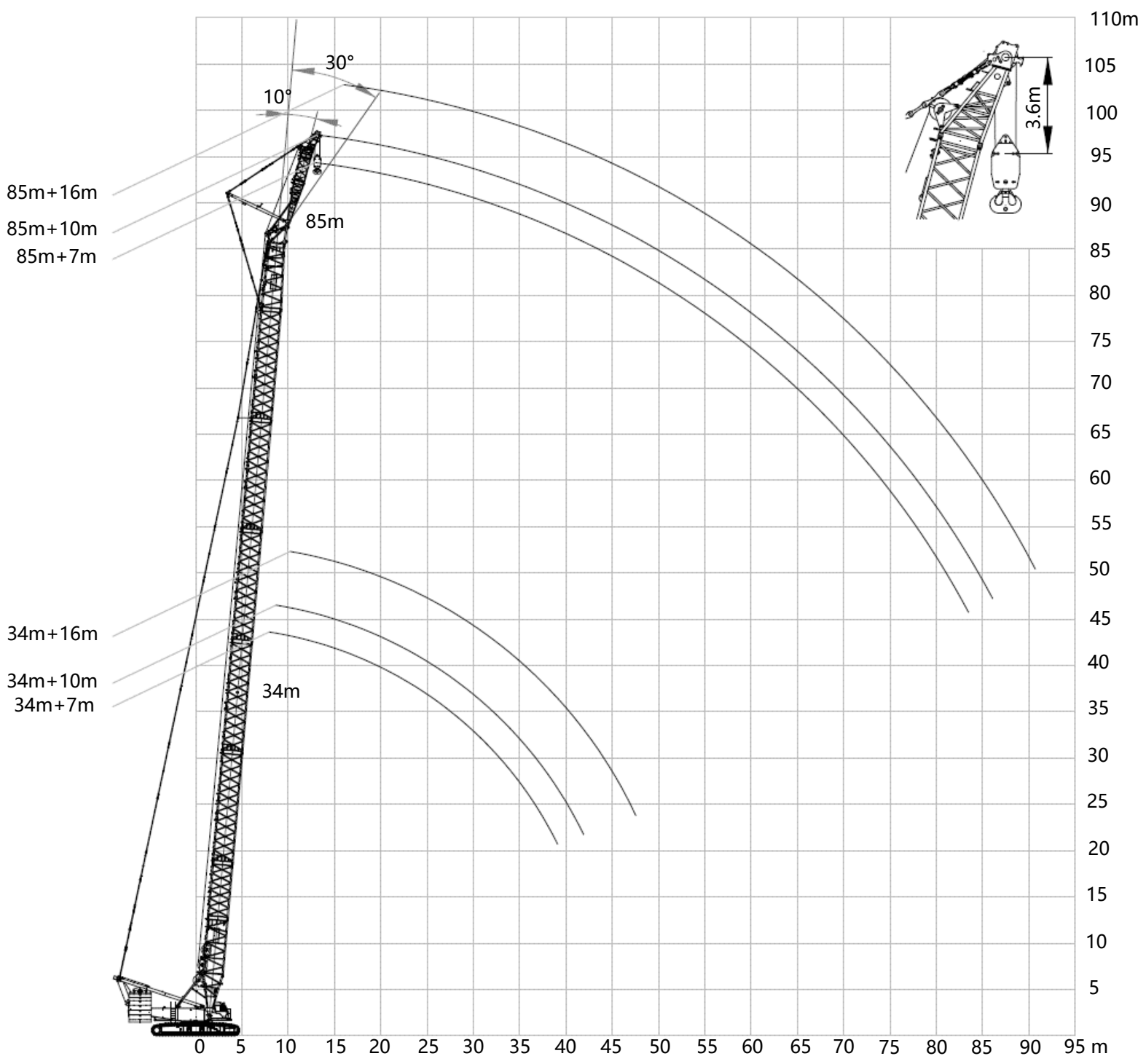
Operation Mode and Lifting Performance-HF

Main boom combination							
Boom length/m	Boom code						
	H10.5B-2621 (10.5m)	H3-2621 (3m)	H6-2621 (6m)	H12-2621 (12mA)	H12-2621 (12mB)	H7R-2621 (7m)	HT1.5-2016 (1.5m)
34	1	1	0	1	0	1	1
37	1	0	1	1	0	1	1
40	1	1	1	1	0	1	1
43	1	0	1	2	0	1	1
46	1	1	0	2	0	1	1
49	1	0	1	2	0	1	1
52	1	1	1	2	0	1	1
55	1	0	0	3	0	1	1
58	1	1	0	3	0	1	1
61	1	0	1	3	0	1	1
64	1	1	1	3	0	1	1
67	1	0	0	3	1	1	1
70	1	1	0	3	1	1	1
73	1	0	1	3	1	1	1
76	1	1	1	3	1	1	1
*79	1	0	1	3	2	1	1
*82	1	1	0	3	2	1	1
*85	1	0	1	3	2	1	1

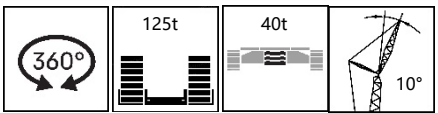
Notes: 1. Boom lengths with "*" need to use 1.33m center hitch.
2. Tower jib rear pendant needs to be removed from boom sections, tower jib guide pulley needs to be removed from boom tapered section.

Fixed jib combination				
Jib length/m	Jib code			
	1411-B (4.5m)	1411 (3m)	1411 (6m)	1411-T (2.5m)
7	1	0	0	1
10	1	1	0	1
16	1	1	1	1



Operation Mode and Lifting Performance-HF



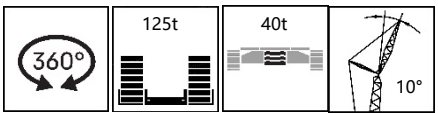
Operation Mode and Lifting Performance-HF




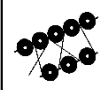
Main boom: 34m~58m; fixed jib: 7m

 m	34	37	40	43	46	49	52	55	58
8	130.0								
9	130.0	130.0	130.0	129.0					
10	129.0	129.0	129.0	128.0	127.0	123.3	117.3	112.3	
11	128.3	127.0	125.7	124.4	123.6	121.2	117.3	110.6	104.6
12	124.3	123.1	122.0	122.1	120.4	119.3	117.3	108.7	102.9
13	119.9	120.2	120.7	121.1	117.3	116.9	114.6	106.8	101.4
14	118.6	116.7	114.4	112.2	110.1	108.0	105.9	101.6	101.3
15	110.2	108.1	106.0	104.1	102.1	100.2	98.4	96.6	94.8
16	102.4	100.5	98.7	96.9	95.1	93.4	91.7	90.1	88.5
17	94.4	93.9	92.2	90.6	89.0	87.4	85.8	84.3	82.8
18	87.2	87.0	86.4	85.0	83.4	82.0	80.5	79.2	77.8
19	80.9	80.7	80.4	79.9	78.5	77.1	75.8	74.5	73.2
20	75.3	75.1	74.8	74.6	74.0	72.8	71.5	70.3	69.1
22	66.0	65.8	65.5	65.3	65.0	64.7	64.0	63.0	61.9
24	58.6	58.3	58.0	57.8	57.5	57.2	56.9	56.7	55.8
26	52.4	52.1	51.8	51.6	51.3	51.0	50.7	50.5	50.1
28	47.2	47.0	46.7	46.4	46.1	45.8	45.5	45.3	44.9
30	42.8	42.6	42.3	42.0	41.7	41.4	41.1	40.8	40.5
32	39.1	38.8	38.5	38.3	37.9	37.6	37.3	37.0	36.7
34	35.7	35.5	35.2	35.0	34.6	34.3	34.0	33.7	33.4
36	32.8	32.6	32.3	32.1	31.7	31.4	31.1	30.8	30.5
38	30.2	30.0	29.7	29.5	29.2	28.9	28.5	28.3	27.9
40		27.7	27.4	27.2	26.9	26.6	26.2	26.0	25.6
42			25.3	25.2	24.8	24.5	24.2	23.9	23.6
44			23.4	23.3	23.0	22.7	22.3	22.1	21.7
46				21.6	21.3	21.0	20.6	20.4	20.0
48					19.7	19.4	19.1	18.9	18.5
50						18.0	17.7	17.4	17.1
52						16.7	16.4	16.1	15.8
54							15.2	14.9	14.6
56								13.8	13.5
58									12.4
	9	9	9	9	9	8	8	7	7

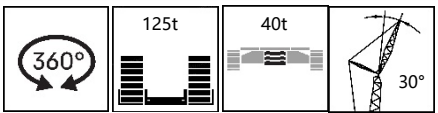
Operation Mode and Lifting Performance-HF





Boom: 61m ~ 85m; fixed jib: 7m

 m	61	64	67	70	73	76	79	82	85
11	101.3	92.0	90.0						
12	101.3	90.7	89.3	85.0	76.6	74.5	72.5		
13	101.3	90.4	88.9	85.0	75.9	74.2	72.3	69.4	68.5
14	100.1	90.0	88.5	85.0	75.0	73.5	72.0	68.5	68.5
15	93.1	87.2	85.2	85.0	74.8	73.3	71.9	68.5	68.5
16	86.9	85.0	84.0	82.5	74.5	73.0	71.7	68.5	68.5
17	81.4	79.9	78.7	77.4	72.2	70.2	69.1	68.5	68.5
18	76.4	75.1	74.0	72.7	69.9	68.5	68.5	67.8	66.6
19	71.9	70.7	69.7	68.5	67.3	66.1	65.0	63.9	62.8
20	67.9	66.7	65.8	64.6	63.5	62.4	61.4	60.3	59.3
22	60.8	59.7	59.0	57.9	56.9	55.9	55.0	54.0	53.1
24	54.9	53.9	53.2	52.2	51.3	50.4	49.6	48.7	47.8
26	49.8	48.8	48.3	47.4	46.5	45.6	44.9	44.1	43.3
28	44.6	44.3	44.0	43.1	42.3	41.5	40.9	40.1	39.3
30	40.2	39.9	39.8	39.4	38.7	37.9	37.3	36.6	35.8
32	36.4	36.1	36.0	35.7	35.4	34.7	34.2	33.4	32.7
34	33.1	32.7	32.7	32.4	32.0	31.7	31.3	30.6	30.0
36	30.2	29.8	29.8	29.4	29.1	28.8	28.6	28.1	27.5
38	27.6	27.3	27.2	26.9	26.5	26.2	26.0	25.7	25.3
40	25.3	25.0	24.9	24.6	24.2	23.9	23.7	23.4	23.0
42	23.3	22.9	22.9	22.5	22.2	21.8	21.6	21.3	21.0
44	21.4	21.0	21.0	20.6	20.3	20.0	19.8	19.4	19.1
46	19.7	19.4	19.3	19.0	18.6	18.3	18.1	17.7	17.4
48	18.2	17.8	17.8	17.4	17.1	16.7	16.5	16.2	15.9
50	16.8	16.4	16.4	16.0	15.7	15.3	15.1	14.8	14.4
52	15.5	15.1	15.1	14.7	14.4	14.0	13.8	13.5	13.1
54	14.3	13.9	13.9	13.5	13.2	12.8	12.7	12.3	12.0
56	13.2	12.8	12.8	12.4	12.1	11.7	11.6	11.2	10.9
58	12.1	11.8	11.8	11.4	11.1	10.7	10.5	10.2	9.8
60	11.2	10.8	10.8	10.4	10.1	9.7	9.6	9.2	8.9
64		9.1	9.1	8.7	8.4	8.0	7.9	7.5	7.1
68				7.2	6.9	6.5	6.3	6.0	5.6
72					5.5	5.1	5.0	4.6	4.3
76							3.8	3.4	3.1
	7	6	6	6	5	5	5	5	5

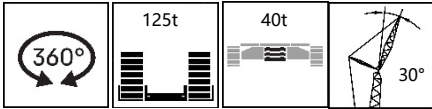
Operation Mode and Lifting Performance-HF



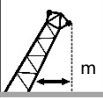
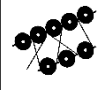
Main boom: 34m~58m; fixed jib: 7m

 m	34	37	40	43	46	49	52	55	58
11	95.0	95.0	95.0	95.0					
12	91.8	92.8	93.7	94.7	95.0	95.0	95.0	95.0	
13	89.3	90.4	91.5	92.4	93.2	93.2	93.9	94.8	95.0
14	87.0	88.3	89.3	90.3	91.2	91.4	91.9	92.9	93.5
15	84.9	86.1	87.3	88.4	89.3	89.8	90.1	91.1	91.8
16	82.9	84.3	85.4	86.6	87.6	88.4	88.4	89.4	90.1
17	81.1	82.4	83.6	84.9	85.8	85.9	86.7	85.9	84.5
18	79.3	80.6	82.0	82.1	83.1	83.4	82.0	80.6	79.3
19	77.7	77.9	79.2	80.5	79.8	78.5	77.1	75.9	74.6
20	74.9	75.9	75.7	75.6	75.2	74.0	72.8	71.6	70.4
22	66.7	66.5	66.3	66.1	65.9	65.7	65.1	64.1	63.0
24	59.1	58.9	58.7	58.5	58.2	58.0	57.8	57.6	56.8
26	52.8	52.6	52.4	52.2	51.9	51.7	51.4	51.2	51.0
28	47.6	47.4	47.1	46.9	46.7	46.4	46.2	45.9	45.7
30	43.1	42.9	42.6	42.5	42.2	41.9	41.7	41.4	41.2
32	39.3	39.1	38.8	38.6	38.3	38.1	37.8	37.6	37.3
34	35.9	35.7	35.4	35.3	35.0	34.7	34.4	34.2	33.9
36		32.7	32.5	32.3	32.0	31.8	31.5	31.2	30.9
38		30.1	29.8	29.7	29.4	29.1	28.8	28.6	28.3
40			27.5	27.3	27.1	26.8	26.5	26.3	26.0
42				25.2	25.0	24.7	24.4	24.2	23.9
44					23.0	22.8	22.5	22.3	22.0
46						21.1	20.8	20.6	20.2
48							19.2	19.0	18.7
50								17.5	17.2
52								16.2	15.9
54									14.6
	6	6	6	6	6	6	6	6	6

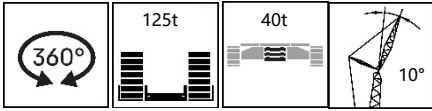
Operation Mode and Lifting Performance-HF



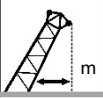
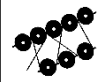
Main boom: 61m~85m; fixed jib: 7m

 m	61	64	67	70	73	76	79	82	85
13	95.0	85.0	85.0						
14	94.1	85.0	85.0	85.0	85.0	68.5	68.5		
15	92.4	85.0	85.0	85.0	85.0	68.5	68.5	68.5	68.5
16	88.7	85.0	85.0	84.4	83.0	68.5	68.5	68.5	68.5
17	83.0	81.6	80.5	79.1	77.8	68.5	68.5	68.5	68.5
18	78.0	76.7	75.6	74.3	73.1	68.5	68.5	68.5	68.4
19	73.4	72.2	71.2	70.0	68.8	67.7	66.6	65.5	64.4
20	69.2	68.1	67.2	66.1	65.0	63.9	62.9	61.9	60.8
22	62.0	61.0	60.2	59.2	58.2	57.2	56.4	55.4	54.5
24	55.9	54.9	54.3	53.4	52.5	51.6	50.8	49.9	49.1
26	50.7	49.8	49.2	48.4	47.5	46.7	46.0	45.2	44.4
28	45.4	45.1	44.8	44.0	43.3	42.5	41.8	41.1	40.3
30	40.9	40.6	40.6	40.2	39.5	38.8	38.2	37.5	36.7
32	37.0	36.7	36.7	36.4	36.1	35.5	34.9	34.2	33.6
34	33.6	33.3	33.3	33.0	32.7	32.4	32.1	31.4	30.7
36	30.7	30.3	30.3	30.0	29.7	29.4	29.2	28.8	28.2
38	28.0	27.7	27.7	27.4	27.1	26.8	26.6	26.3	25.9
40	25.7	25.4	25.3	25.0	24.7	24.4	24.2	23.9	23.6
42	23.6	23.3	23.2	22.9	22.6	22.3	22.1	21.8	21.5
44	21.7	21.3	21.3	21.0	20.7	20.4	20.2	19.9	19.6
46	20.0	19.6	19.6	19.3	19.0	18.6	18.5	18.2	17.8
48	18.4	18.0	18.0	17.7	17.4	17.1	16.9	16.6	16.3
50	16.9	16.6	16.6	16.3	15.9	15.6	15.5	15.1	14.8
52	15.6	15.3	15.3	14.9	14.6	14.3	14.1	13.8	13.5
54	14.4	14.0	14.0	13.7	13.4	13.1	12.9	12.6	12.3
56	13.2	12.9	12.9	12.6	12.3	11.9	11.8	11.4	11.1
58		11.8	11.8	11.5	11.2	10.9	10.7	10.4	10.1
60			10.9	10.5	10.2	9.9	9.7	9.4	9.1
64					8.4	8.1	8.0	7.6	7.3
68						6.5	6.4	6.1	5.7
72								4.7	4.4
	6	6	6	6	6	5	5	5	5

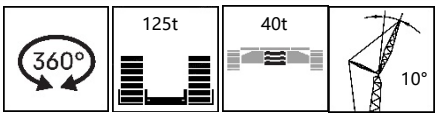
Operation Mode and Lifting Performance-HF





Main boom: 34m ~ 58m; fixed jib: 10m

 m	34	37	40	43	46	49	52	55	58
9	115.0	115.0							
10	114.0	114.0	113.7	112.7	111.3				
11	112.6	111.3	109.9	109.1	108.0	106.7	102.7	98.6	93.9
12	108.7	107.5	106.4	105.8	104.8	103.7	101.0	96.9	92.4
13	105.1	104.0	103.1	102.7	101.9	101.0	99.4	95.3	90.8
14	101.7	100.9	100.2	99.9	99.2	98.4	97.6	93.6	89.4
15	98.1	97.2	96.2	95.5	94.7	93.8	92.8	90.4	87.7
16	94.5	93.4	92.2	91.1	90.1	89.1	88.0	87.1	86.0
17	88.7	87.6	86.5	85.5	84.5	83.6	82.8	83.3	82.2
18	82.8	81.8	80.7	79.8	80.6	81.2	80.0	78.6	77.3
19	77.3	77.1	78.0	78.8	78.0	76.7	75.3	74.1	72.8
20	75.0	75.6	75.3	74.9	73.6	72.4	71.1	69.9	68.7
22	66.5	66.3	66.0	65.8	65.5	64.9	63.8	62.7	61.6
24	59.0	58.8	58.5	58.2	57.9	57.7	57.4	56.7	55.7
26	52.9	52.6	52.3	52.0	51.7	51.4	51.1	50.9	50.6
28	47.7	47.4	47.1	46.9	46.5	46.2	45.9	45.7	45.3
30	43.3	43.0	42.7	42.4	42.1	41.8	41.5	41.2	40.9
32	39.5	39.2	38.9	38.7	38.3	38.0	37.7	37.4	37.1
34	36.2	35.9	35.6	35.4	35.0	34.7	34.4	34.1	33.8
36	33.3	33.0	32.7	32.5	32.1	31.8	31.5	31.2	30.9
38	30.7	30.4	30.1	29.9	29.5	29.2	28.9	28.6	28.3
40	28.4	28.1	27.8	27.6	27.3	26.9	26.6	26.3	26.0
42		26.1	25.7	25.5	25.2	24.9	24.5	24.3	23.9
44		24.2	23.9	23.7	23.3	23.0	22.7	22.4	22.1
46			22.2	22.0	21.6	21.3	21.0	20.7	20.4
48				20.4	20.1	19.8	19.4	19.2	18.8
50					18.7	18.4	18.0	17.8	17.4
52					17.3	17.1	16.7	16.5	16.1
54						15.8	15.5	15.3	14.9
56							14.4	14.1	13.8
58								13.1	12.8
60								12.1	11.8
	8	8	8	8	8	7	7	7	6

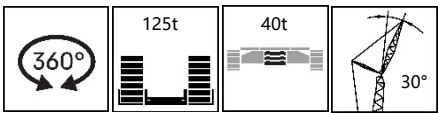
Operation Mode and Lifting Performance-HF





Main boom: 61m ~ 85m; fixed jib: 10m

 m	61	64	67	70	73	76	79	82	85
12	87.5	85.0	85.0	85.0					
13	86.2	85.0	85.0	85.0	68.5	68.5	68.5	68.5	
14	85.2	85.0	85.0	85.0	68.5	68.5	68.5	68.5	68.5
15	85.0	85.0	85.0	85.0	68.5	68.5	68.5	68.5	68.5
16	85.0	84.7	83.4	81.9	68.5	68.5	68.5	68.5	68.5
17	80.8	79.4	78.2	76.9	68.5	68.5	68.5	68.5	68.5
18	75.9	74.6	73.5	72.3	68.5	68.5	68.5	67.5	66.3
19	71.5	70.3	69.3	68.1	67.0	65.8	64.7	63.6	62.5
20	67.6	66.4	65.5	64.4	63.2	62.1	61.2	60.1	59.0
22	60.6	59.5	58.8	57.7	56.7	55.7	54.9	53.9	52.9
24	54.7	53.7	53.1	52.1	51.2	50.3	49.5	48.6	47.7
26	49.7	48.8	48.2	47.3	46.4	45.6	44.9	44.0	43.2
28	45.0	44.5	43.9	43.1	42.3	41.5	40.9	40.1	39.3
30	40.6	40.3	40.2	39.4	38.7	37.9	37.3	36.6	35.8
32	36.8	36.4	36.4	36.0	35.5	34.7	34.2	33.5	32.8
34	33.5	33.1	33.0	32.7	32.4	31.9	31.4	30.7	30.0
36	30.5	30.2	30.1	29.8	29.5	29.1	28.9	28.2	27.6
38	28.0	27.6	27.5	27.2	26.9	26.5	26.3	26.0	25.4
40	25.7	25.3	25.2	24.9	24.6	24.2	24.0	23.7	23.3
42	23.6	23.2	23.2	22.8	22.5	22.1	21.9	21.6	21.3
44	21.7	21.4	21.3	20.9	20.6	20.3	20.1	19.7	19.4
46	20.0	19.7	19.6	19.2	18.9	18.6	18.4	18.0	17.7
48	18.5	18.1	18.1	17.7	17.4	17.0	16.8	16.5	16.1
50	17.1	16.7	16.7	16.3	16.0	15.6	15.4	15.1	14.7
52	15.8	15.4	15.4	15.0	14.7	14.3	14.1	13.8	13.4
54	14.6	14.2	14.2	13.8	13.5	13.1	12.9	12.6	12.2
56	13.5	13.1	13.1	12.7	12.4	12.0	11.8	11.4	11.1
58	12.4	12.1	12.0	11.7	11.3	11.0	10.8	10.4	10.1
60	11.5	11.1	11.1	10.7	10.4	10.0	9.8	9.5	9.1
64	9.7	9.4	9.3	9.0	8.6	8.3	8.1	7.7	7.4
68			7.8	7.4	7.1	6.7	6.6	6.2	5.9
72				6.1	5.7	5.4	5.2	4.9	4.5
76						4.2	4.0	3.6	3.3
	6	6	6	6	5	5	5	5	5

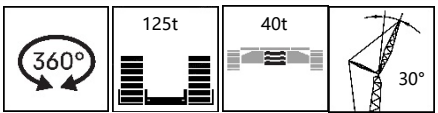
Operation Mode and Lifting Performance-HF





Main boom: 34m ~ 58m; fixed jib: 10m

 m	34	37	40	43	46	49	52	55	58
12	82.0								
13	81.0	81.0	81.0	79.4	78.4				
14	76.8	77.7	78.4	77.9	76.8	75.9	75.0	74.1	73.2
15	74.8	75.7	76.5	76.3	75.4	74.6	73.7	72.9	72.1
16	72.9	73.9	74.8	74.9	74.1	73.3	72.5	71.8	71.0
17	71.1	72.1	73.0	73.5	72.8	72.1	71.4	70.7	69.9
18	69.4	70.5	71.5	72.2	71.6	70.9	70.2	69.5	69.5
19	67.9	68.9	69.9	70.9	70.3	69.7	69.2	69.0	69.1
20	66.3	67.5	68.5	69.5	69.2	68.7	68.4	68.6	68.8
22	63.7	64.0	64.9	65.9	66.8	66.4	65.4	64.4	63.3
24	59.9	59.7	59.5	59.3	59.1	58.9	58.7	58.1	57.2
26	53.6	53.4	53.2	53.0	52.8	52.5	52.3	52.1	51.8
28	48.3	48.1	47.9	47.7	47.4	47.2	46.9	46.7	46.5
30	43.8	43.6	43.3	43.2	42.9	42.7	42.4	42.2	41.9
32	39.9	39.7	39.5	39.3	39.0	38.8	38.5	38.3	38.0
34	36.5	36.3	36.1	35.9	35.6	35.4	35.1	34.9	34.6
36	33.6	33.4	33.1	32.9	32.6	32.4	32.1	31.9	31.6
38	30.9	30.7	30.4	30.3	30.0	29.7	29.4	29.2	28.9
40		28.3	28.1	27.9	27.6	27.4	27.1	26.9	26.6
42			25.9	25.8	25.5	25.3	25.0	24.7	24.4
44				23.9	23.6	23.3	23.0	22.8	22.5
46					21.8	21.6	21.3	21.1	20.8
48					20.2	20.0	19.7	19.5	19.2
50						18.5	18.2	18.0	17.7
52							16.9	16.7	16.4
54								15.4	15.1
56									13.9
	6	6	6	5	5	5	5	5	5

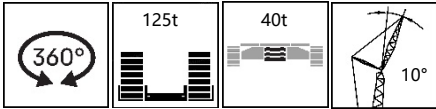
Operation Mode and Lifting Performance-HF



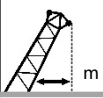
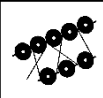
Main boom: 61m~85m; fixed jib: 10m

 m	61	64	67	70	73	76	79	82	85
15	71.0	71.0	71.0	71.0					
16	70.5	70.6	70.5	70.6	68.5	68.5	68.5	68.5	
17	70.0	70.1	70.2	70.2	68.5	68.5	68.5	68.5	67.6
18	69.6	69.7	69.8	69.8	68.5	68.5	68.5	68.5	67.4
19	69.3	69.4	69.4	69.5	68.5	68.1	67.1	66.0	64.9
20	68.9	68.4	67.5	66.4	65.4	64.3	63.3	62.3	61.3
22	62.3	61.3	60.6	59.6	58.6	57.7	56.8	55.9	55.0
24	56.3	55.3	54.7	53.8	52.9	52.0	51.3	50.4	49.6
26	51.1	50.2	49.6	48.8	48.0	47.2	46.5	45.7	44.9
28	46.2	45.8	45.2	44.5	43.7	42.9	42.3	41.6	40.8
30	41.7	41.4	41.3	40.7	40.0	39.2	38.6	37.9	37.2
32	37.7	37.5	37.4	37.1	36.6	35.9	35.4	34.7	34.1
34	34.3	34.0	34.0	33.7	33.4	33.0	32.5	31.9	31.2
36	31.3	31.0	31.0	30.7	30.4	30.1	29.9	29.3	28.7
38	28.6	28.3	28.3	28.0	27.7	27.4	27.3	27.0	26.4
40	26.3	26.0	25.9	25.6	25.3	25.0	24.9	24.6	24.3
42	24.1	23.8	23.8	23.5	23.2	22.9	22.7	22.4	22.1
44	22.2	21.9	21.9	21.6	21.3	20.9	20.8	20.5	20.2
46	20.5	20.2	20.1	19.8	19.5	19.2	19.0	18.7	18.4
48	18.9	18.6	18.5	18.2	17.9	17.6	17.4	17.1	16.8
50	17.4	17.1	17.1	16.7	16.4	16.1	16.0	15.6	15.3
52	16.1	15.7	15.7	15.4	15.1	14.8	14.6	14.3	14.0
54	14.8	14.5	14.5	14.2	13.9	13.5	13.4	13.0	12.7
56	13.7	13.4	13.3	13.0	12.7	12.4	12.2	11.9	11.6
58	12.6	12.3	12.3	11.9	11.6	11.3	11.2	10.8	10.5
60		11.3	11.3	10.9	10.6	10.3	10.2	9.8	9.5
64			9.4	9.1	8.8	8.5	8.4	8.0	7.7
68					7.2	6.9	6.8	6.4	6.1
72							5.4	5.0	4.7
76									3.4
	5	5	5	5	5	5	5	5	5

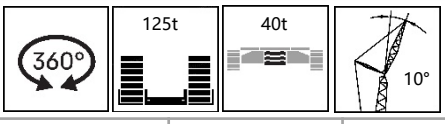
Operation Mode and Lifting Performance-HF





Main boom: 34m~58m; fixed jib: 16 m

 m	34	37	40	43	46	49	52	55	58
11	95.0	93.0	91.2						
12	92.3	91.5	89.0	89.2	88.1	87.1	81.6		
13	89.1	88.4	87.4	86.2	85.3	84.4	79.7	77.7	74.3
14	85.8	85.3	84.4	83.6	82.9	82.1	77.5	76.0	73.0
15	83.2	82.7	82.0	81.3	80.7	79.9	77.4	74.5	71.9
16	80.5	80.1	79.5	78.9	78.4	77.7	77.2	72.9	70.7
17	78.0	77.7	77.2	75.0	74.6	74.1	73.6	71.3	69.5
18	75.5	75.3	74.9	71.0	70.7	70.4	70.0	69.6	68.3
19	71.7	71.6	71.3	69.2	69.0	68.7	68.4	68.0	67.1
20	67.9	67.9	67.6	67.4	67.2	67.0	66.8	66.4	65.9
22	63.4	63.2	63.0	62.8	62.2	61.5	60.7	60.1	59.3
24	56.2	55.9	55.7	55.5	55.3	55.1	54.7	54.1	53.4
26	50.2	50.0	49.8	49.6	49.4	49.2	49.0	48.8	48.4
28	45.2	45.0	44.8	44.6	44.5	45.2	45.8	46.4	46.1
30	41.0	40.8	41.6	42.4	42.9	42.6	42.3	42.0	41.7
32	38.7	39.6	39.6	39.4	39.1	38.8	38.4	38.2	37.8
34	37.0	36.7	36.3	36.1	35.7	35.4	35.1	34.8	34.5
36	34.1	33.8	33.4	33.2	32.8	32.5	32.2	31.9	31.6
38	31.5	31.2	30.8	30.6	30.2	29.9	29.6	29.3	29.0
40	29.2	28.9	28.5	28.3	27.9	27.6	27.3	27.0	26.6
42	27.1	26.8	26.5	26.2	25.9	25.5	25.2	24.9	24.6
44	25.2	24.9	24.6	24.3	24.0	23.7	23.3	23.0	22.7
46	23.5	23.2	22.9	22.7	22.3	22.0	21.6	21.3	21.0
48		21.7	21.3	21.1	20.8	20.4	20.1	19.8	19.4
50		20.2	19.9	19.7	19.3	19.0	18.7	18.4	18.0
52			18.6	18.4	18.0	17.7	17.3	17.1	16.7
54				17.1	16.8	16.5	16.1	15.9	15.5
56					15.7	15.4	15.0	14.8	14.4
58						14.3	14.0	13.7	13.4
60						13.3	13.0	12.7	12.4
64								11.0	10.6
68									9.1
	6	6	6	6	6	6	6	5	5

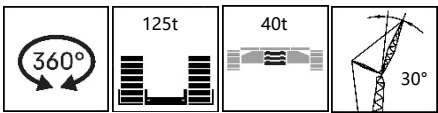
Operation Mode and Lifting Performance-HF





Main boom: 61m ~ 82m; fixed jib: 16m

 m	61	64	67	70	73	76	79	82
13	71.1	68.0						
14	70.1	67.0	64.4	60.5	60.6	60.7		
15	69.0	66.0	63.4	59.8	59.5	59.7	59.4	51.8
16	67.8	65.0	62.4	59.2	58.6	58.7	58.4	51.8
17	66.7	64.0	61.5	58.9	57.6	57.7	57.5	51.8
18	65.6	63.0	60.5	58.5	56.6	56.8	56.6	51.8
19	64.6	62.1	58.1	56.3	55.8	56.0	55.8	51.8
20	63.6	61.1	55.7	54.6	54.9	55.1	54.9	51.8
22	58.7	57.9	54.0	53.0	53.3	53.5	53.4	51.8
24	52.8	52.3	51.7	51.4	51.0	50.1	49.4	48.5
26	48.8	48.6	48.0	47.2	46.4	45.5	44.8	44.0
28	45.3	44.4	43.9	43.1	42.3	41.5	40.9	40.1
30	41.4	40.7	40.2	39.5	38.7	38.0	37.4	36.7
32	37.5	37.2	37.0	36.3	35.6	34.9	34.3	33.6
34	34.2	33.8	33.8	33.4	32.8	32.1	31.6	30.9
36	31.2	30.9	30.8	30.5	30.2	29.6	29.1	28.4
38	28.6	28.3	28.2	27.9	27.5	27.2	26.8	26.2
40	26.3	26.0	25.9	25.5	25.2	24.9	24.7	24.2
42	24.2	23.9	23.8	23.5	23.1	22.8	22.6	22.2
44	22.4	22.0	21.9	21.6	21.2	20.9	20.7	20.4
46	20.7	20.3	20.2	19.9	19.5	19.2	19.0	18.6
48	19.1	18.7	18.7	18.3	18.0	17.6	17.4	17.1
50	17.7	17.3	17.2	16.9	16.5	16.2	16.0	15.6
52	16.4	16.0	15.9	15.6	15.2	14.9	14.7	14.3
54	15.2	14.8	14.7	14.4	14.0	13.7	13.5	13.1
56	14.1	13.7	13.6	13.2	12.9	12.5	12.4	12.0
58	13.0	12.7	12.6	12.2	11.9	11.5	11.3	11.0
60	12.1	11.7	11.6	11.2	10.9	10.5	10.4	10.0
64	10.3	9.9	9.9	9.5	9.2	8.8	8.6	8.2
68	8.8	8.4	8.3	8.0	7.6	7.3	7.1	6.7
72		7.0	7.0	6.6	6.3	5.9	5.7	5.3
76			5.7	5.4	5.0	4.7	4.5	4.1
80					3.9	3.6	3.4	3.0
	5	5	4	4	4	4	4	4

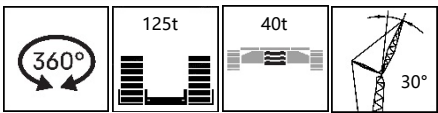
Operation Mode and Lifting Performance-HF





Main boom: 34m~58m; fixed jib: 16m

 m	34	37	40	43	46	49	52	55	58
16	60.0	60.0	57.4						
17	58.0	58.0	56.2	55.4	54.6	53.9	53.2		
18	55.7	56.0	55.1	54.3	53.6	52.9	52.3	51.7	51.2
19	54.3	54.9	54.1	53.3	52.6	52.0	51.5	50.9	50.4
20	52.9	53.7	53.0	52.3	51.7	51.2	50.7	50.2	49.7
22	50.6	51.3	51.2	50.6	50.1	49.6	49.2	48.7	48.2
24	48.5	49.2	49.5	49.0	48.5	48.1	47.7	47.3	47.0
26	46.5	47.3	47.8	47.4	47.0	46.7	46.4	46.1	45.8
28	44.8	45.6	46.2	46.1	45.8	45.5	45.2	44.9	44.7
30	42.1	42.0	41.8	41.7	41.5	41.4	41.2	41.1	40.9
32	38.4	38.3	38.0	37.9	37.7	37.6	37.4	37.2	37.1
34	35.1	35.0	34.8	35.0	35.3	35.5	35.8	36.0	35.9
36	33.7	34.0	34.3	34.1	33.8	33.6	33.3	33.1	32.9
38	32.1	31.9	31.6	31.4	31.1	30.9	30.6	30.4	30.1
40	29.7	29.5	29.2	29.0	28.7	28.5	28.2	28.0	27.7
42	27.5	27.3	27.0	26.9	26.6	26.3	26.1	25.8	25.6
44	25.5	25.3	25.1	24.9	24.6	24.4	24.1	23.9	23.6
46		23.5	23.3	23.1	22.9	22.6	22.3	22.1	21.8
48			21.7	21.5	21.2	21.0	20.7	20.5	20.2
50				20.0	19.7	19.5	19.2	19.0	18.7
52					18.3	18.1	17.8	17.6	17.3
54					17.1	16.8	16.5	16.3	16.0
56						15.6	15.4	15.2	14.9
58							14.2	14.1	13.8
60								13.0	12.7
	4	4	4	4	4	4	4	4	4

Operation Mode and Lifting Performance-HF



Main boom: 61m~82m; fixed jib: 16m

	61	64	67	70	73	76	79	82
18	52.0	51.1						
19	51.0	49.4	43.8	43.4	42.4	41.6		
20	49.2	48.7	43.1	42.8	42.1	41.2	41.2	41.2
22	47.8	47.4	42.1	41.7	41.3	40.6	40.5	40.6
24	46.6	46.2	41.0	40.7	40.4	39.9	39.9	40.0
26	45.5	45.1	40.1	39.8	39.4	39.3	39.3	39.4
28	44.4	44.1	39.2	38.9	38.7	38.7	38.7	38.8
30	40.8	40.6	38.3	38.0	38.1	38.2	38.2	38.3
32	37.0	37.1	37.3	37.4	37.5	36.9	36.3	35.7
34	35.7	35.4	35.4	35.1	34.5	33.9	33.4	32.8
36	32.6	32.3	32.3	32.0	31.8	31.3	30.8	30.2
38	29.9	29.6	29.6	29.3	29.0	28.8	28.4	27.9
40	27.5	27.2	27.1	26.8	26.6	26.3	26.1	25.7
42	25.3	25.0	24.9	24.7	24.4	24.1	23.9	23.7
44	23.3	23.0	23.0	22.7	22.4	22.1	22.0	21.7
46	21.5	21.2	21.2	20.9	20.6	20.3	20.2	19.9
48	19.9	19.6	19.5	19.3	19.0	18.7	18.5	18.2
50	18.4	18.1	18.1	17.8	17.5	17.2	17.0	16.7
52	17.0	16.7	16.7	16.4	16.1	15.8	15.6	15.3
54	15.8	15.5	15.4	15.1	14.8	14.5	14.3	14.0
56	14.6	14.3	14.2	13.9	13.6	13.3	13.2	12.9
58	13.5	13.2	13.1	12.8	12.5	12.2	12.1	11.8
60	12.5	12.2	12.1	11.8	11.5	11.2	11.0	10.7
64	10.6	10.3	10.3	10.0	9.7	9.3	9.2	8.9
68			8.6	8.3	8.0	7.7	7.6	7.2
72				6.8	6.6	6.2	6.1	5.8
76						4.9	4.8	4.5
80								3.3
	4	4	3	3	3	3	3	3

Operation Mode and Lifting Performance-HW

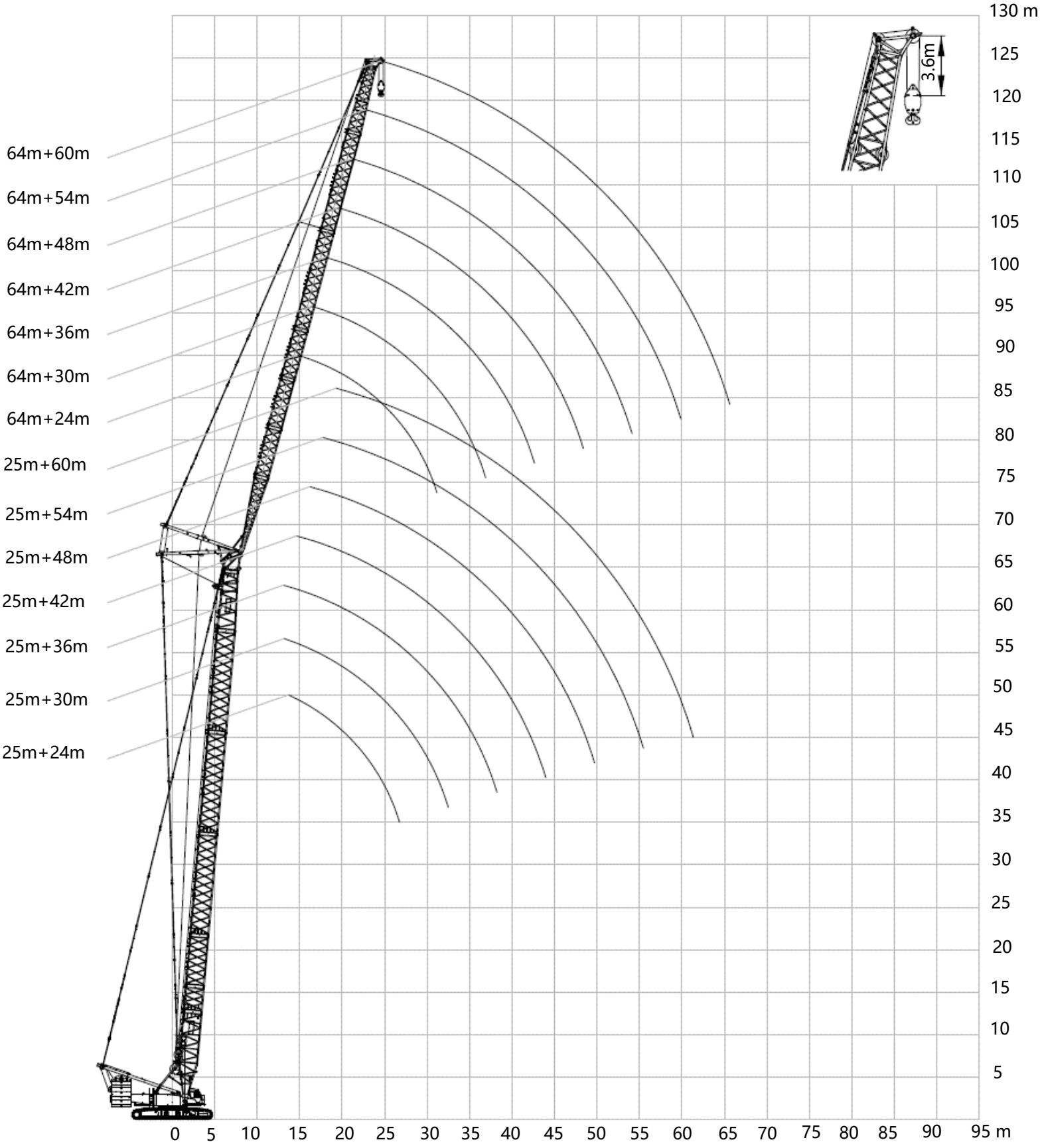
Main boom combination						
Boom length (m)	Boom code					
	H10.5B-2621 (10.5m)	H3-2621 (3m)	H6-2621 (6m)	H12-2621 (12mA)	H7R-2621 (7m)	HT1.5-2016 (1.5m)
25	1	0	1	0	1	1
28	1	1	1	0	1	1
31	1	0	0	1	1	1
34	1	1	0	1	1	1
37	1	0	1	1	1	1
40	1	1	1	1	1	1
43	1	0	1	2	1	1
46	1	1	0	2	1	1
49	1	0	1	2	1	1
52	1	1	1	2	1	1
55	1	0	0	3	1	1
58	1	1	0	3	1	1
61	1	0	1	3	1	1
64	1	1	1	3	1	1

Note: Boom outside pendant used for fixed jib needs to be removed from boom section, tower jib guide pulley needs to be installed on boom tapered section.

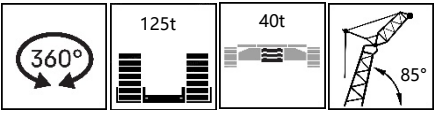
Tower jib combination					
Jib length (m)	Jib code				
	1730-2016-B (9m)	1730-2016 (6mA)	1730-2016 (6mB)	1730-2016 (12m)	1730-2016-T (9m)
24	1	1	0	0	1
30	1	1	1	0	1
36	1	1	2[0]	0[1]	1
42	1	1	1	1	1
48	1	1	2[0]	1[2]	1
54	1	1	1	2	1
*60	1	1	2	2	1

Note: 1. "*" " tower jib combination needs to use 2.59m center.
 2. To ensure the maximum use of jib combination, it is recommended to purchase tower jib 42m and 54m.

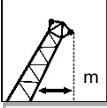
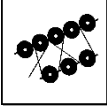
Operation Mode and Lifting Performance-HW



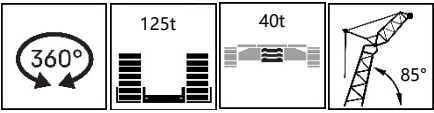
Operation Mode and Lifting Performance-HW



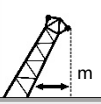
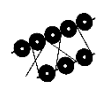
Main boom: 25 m; tower jib: 24~60 m

 m	24	30	36	42	48	54	60
12	130.0						
13	127.0						
14	117.3	102.6					
15	108.9	101.3	86.0				
16	101.4	100.0	85.2				
17	95.0	93.6	84.3	72.5			
18	91.6	88.2	83.5	73.5			
19	84.3	85.3	81.7	72.0	69.6		
20	79.8	78.4	77.4	71.5	62.5	51.5	
22	71.5	71.5	71.3	70.4	59.3	51.0	45.1
24	62.8	64.0	64.7	64.7	58.5	50.3	44.7
26	56.3	57.8	57.4	57.8	55.5	49.7	44.2
28		51.5	52.9	53.4	53.9	49.1	43.8
30		46.8	50.0	49.0	48.0	45.8	43.4
32		42.8	44.6	44.9	43.2	43.1	41.6
34			40.0	42.2	41.2	41.2	38.4
36			36.9	37.7	37.1	36.5	35.5
38			32.9	34.4	35.9	34.3	33.0
40				31.5	33.3	31.8	30.9
42				28.2	29.3	30.6	28.9
44				25.2	26.9	29.6	27.0
46					24.4	25.5	25.5
48					22.4	23.4	23.8
50					20.2	21.5	22.7
52						19.6	20.5
54						18.1	18.8
56							17.3
58							16.1
60							14.6
	8	7	6	5	5	4	3

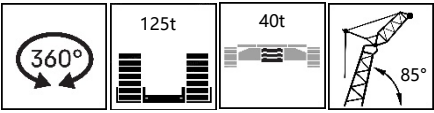
Operation Mode and Lifting Performance-HW



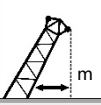
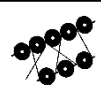
Main boom: 37m; tower jib: 24~60 m

 m	24	30	36	42	48	54	60
13	120.0						
14	114.7						
15	106.3	97.0					
16	100.9	95.8					
17	94.6	91.5	81.0				
18	91.6	88.2	81.0	73.5			
19	84.3	85.3	79.6	70.6			
20	79.8	78.4	77.4	70.6	58.8		
22	71.5	71.5	71.3	70.4	57.3	48.0	
24	62.7	64.0	65.0	64.7	56.1	47.8	41.5
26	55.8	56.8	57.4	58.2	55.5	47.4	41.5
28	49.9	51.2	52.9	53.4	53.9	47.1	41.2
30		46.8	50.0	49.0	48.0	45.8	41.1
32		41.5	43.5	44.9	43.2	43.1	41.1
34		38.4	39.1	42.2	41.2	41.2	37.9
36			35.1	37.7	37.1	36.5	35.2
38			32.9	34.4	35.9	34.3	32.7
40				30.6	33.3	31.8	30.6
42				28.2	29.3	30.6	28.6
44				25.2	26.9	29.6	26.9
46					24.4	25.5	25.5
48					22.4	23.4	23.8
50					20.2	21.5	22.2
52						19.6	20.5
54						18.1	18.8
56						16.3	17.3
58							16.1
60							14.6
	8	7	6	5	4	3	3

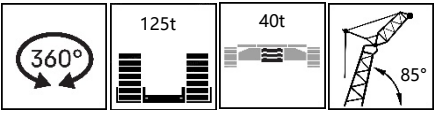
Operation Mode and Lifting Performance-HW



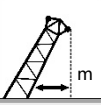
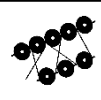
Main boom: 49 m; tower jib: 24~60 m

 m	24	30	36	42	48	54	60
14	107.5						
15	100.7						
16	98.3	90.6					
17	95.0	89.6					
18	92.1	88.6	75.8				
19	83.7	85.7	75.9	64.3			
20	78.4	77.4	75.4	64.3			
22	67.4	70.4	71.4	63.8	54.3	45.2	
24	61.1	64.0	65.3	62.3	54.3	45.2	38.4
26	54.7	57.4	57.8	57.3	53.0	44.2	38.4
28	50.1	50.7	53.3	53.3	51.6	43.0	37.6
30		46.1	48.2	48.3	47.8	42.2	37.4
32		42.6	43.6	45.1	44.1	41.2	36.8
34		38.6	40.2	42.3	41.7	37.4	35.1
36			37.1	37.4	37.7	36.6	33.2
38			33.1	34.6	36.2	35.2	31.4
40			29.0	31.6	33.5	32.6	29.5
42				28.4	28.9	31.0	28.3
44				25.3	26.6	29.1	26.7
46					24.5	24.5	25.4
48					22.6	22.8	23.9
50					20.3	21.2	22.8
52					18.2	19.6	19.9
54						18.2	18.5
56						16.3	17.3
58							16.2
60							14.7
	7	6	5	4	4	3	3

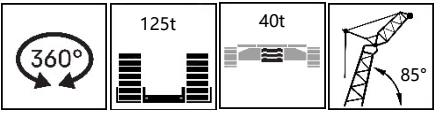
Operation Mode and Lifting Performance-HW



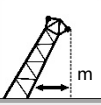
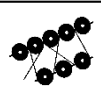
Main boom: 58 m; tower jib: 24~60 m

 m	24	30	36	42	48	54	60
15	95.2						
16	89.3						
17	83.2	79.6					
18	79.4	77.2					
19	74.6	72.5	66.8				
20	70.3	68.3	66.4	56.9			
22	63.7	63.7	63.4	56.4	47.0		
24	55.9	56.8	56.4	55.4	46.7	41.2	
26	51.0	52.9	52.9	52.9	46.4	41.2	34.8
28	46.7	48.0	47.0	46.6	46.0	40.3	34.3
30	43.1	42.6	43.1	42.8	42.8	38.7	34.2
32		39.5	39.9	40.2	40.3	36.5	32.7
34		36.5	36.4	36.3	37.2	34.4	31.4
36		32.8	33.3	34.3	34.3	33.1	29.4
38			31.4	32.4	33.3	32.3	27.6
40			27.4	27.7	28.6	27.9	26.5
42			24.4	25.4	26.0	25.1	24.8
44				23.2	23.5	23.3	23.3
46				21.3	21.7	21.7	21.8
48					20.0	20.3	20.0
50					18.4	18.6	18.7
52					17.1	17.2	17.3
54						16.1	16.3
56						14.9	15.2
58						13.8	14.1
60							13.2
64							11.5
	7	5	5	4	3	3	3

Operation Mode and Lifting Performance-HW



Main boom: 64 m; tower jib: 24~60 m

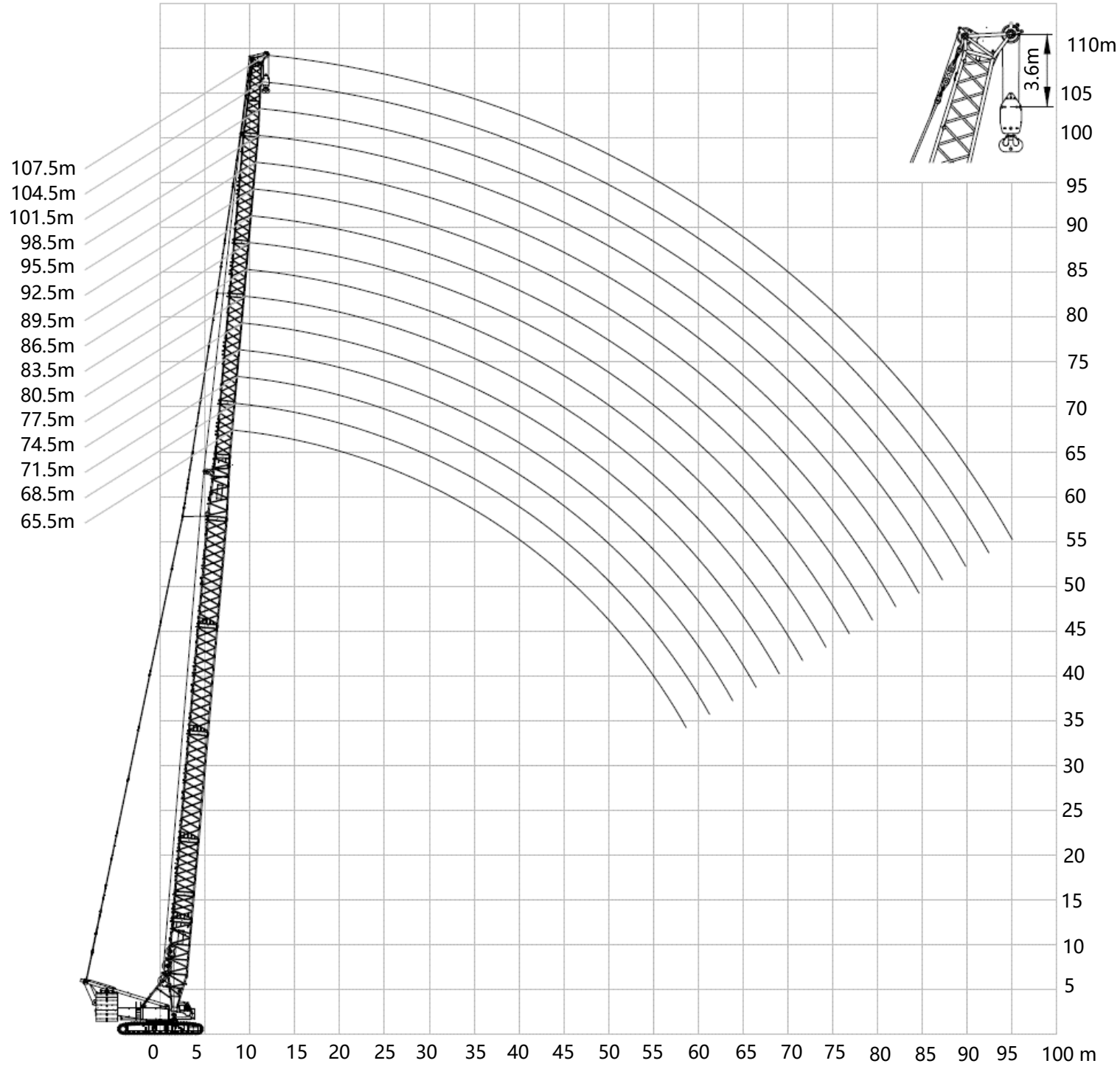
 m	24	30	36	42	48	54	60
16	85.6						
17	81.2	72.9					
18	76.0	71.9					
19	71.3	70.6	61.5				
20	67.2	66.5	60.9	52.2			
22	59.7	59.6	58.2	51.6	44.3		
24	54.0	53.8	53.4	49.8	43.9	37.5	
26	49.1	48.6	48.6	46.6	42.9	37.3	32.8
28	45.1	44.5	44.6	43.2	40.3	37.0	32.6
30	41.6	41.1	41.1	39.9	37.7	35.0	32.3
32		37.9	37.5	36.8	35.2	33.0	30.7
34		34.3	34.2	33.8	32.7	30.9	29.1
36		30.9	31.1	30.8	30.3	28.9	27.6
38			28.4	28.3	28.1	27.1	26.0
40			25.8	25.9	25.7	25.3	24.4
42			23.4	23.7	23.7	23.5	22.8
44				21.8	21.9	21.6	21.4
46				20.0	20.2	20.1	20.0
48					18.7	18.6	18.5
50					17.2	17.3	17.2
52					16.0	16.1	16.2
54						15.0	15.1
56						13.9	14.0
58						12.9	13.1
60							12.2
64							10.6
	6	5	4	4	3	3	2

Operation Mode and Lifting Performance-LB

Light-duty boom combination									
Length (m)	Code								
	H10.5B-2621 (10.5m)	H3-2621 (3m)	H6-2621 (6m)	H12-2621 (12m)	H7R-2621 (7m)	1730-2016 (6mA)	1730-2016 (6mB)	1730-2016 (12m)	1730-2016-T (9m)
65.5	1	1	1	1	1	1	0	1	1
68.5	1	0	0	2	1	1	0	1	1
71.5	1	1	0	2	1	1	0	1	1
*74.5	1	0	1	2	1	1	0	1	1
*77.5	1	1	1	2	1	1	0	1	1
*80.5	1	0	0	3	1	1	0	1	1
**83.5	1	1	1	2	1	1	1	1	1
**86.5	1	0	0	3	1	1	1	1	1
**89.5	1	1	0	3	1	1	1	1	1
**92.5	1	0	1	3	1	1	1	1	1
**95.5	1	1	1	3	1	1	1	1	1
**98.5	1	0	0	3	1	1	1	2	1
**101.5	1	1	0	3	1	1	1	2	1
**104.5	1	0	1	3	1	1	1	2	1
**107.5	1	1	1	3	1	1	1	2	1

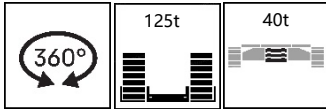
Note: 1. "*" light boom combination length needs to use 1.25m center hitch.
 2. "***" light boom combination length needs to use 1.25m and 2.62m center hitches.
 3. Boom outside pendants used for fixed jib and tower jib need to be removed from boom sections, tower jib guide pulley needs to be installed on boom tapered section.

Operation Mode and Lifting Performance-LB

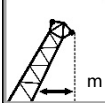
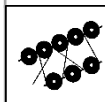


XCMG_XGC320

Operation Mode and Lifting Performance-LB



Light duty main boom: 65.5m ~ 107.5m

 m	65.5	68.5	71.5	74.5	77.5	80.5	83.5	86.5	89.5	92.5	95.5	98.5	101.5	104.5	107.5
10	118.0	113.0	108.7												
11	116.6	112.2	107.8	98.6	97.4	95.7									
12	116.8	111.5	107.2	96.5	95.6	94.2	77.5	77.0	76.2						
14	104.9	103.0	100.8	92.5	92.0	91.1	74.1	73.9	73.4	72.7	71.5	55.5	54.9	53.9	51.7
16	91.6	90.0	88.4	86.8	85.2	83.8	70.9	71.1	70.9	70.3	69.4	53.4	53.5	52.6	50.5
18	81.1	79.7	78.4	76.9	75.6	74.3	68.0	68.4	68.3	68.1	67.4	51.6	51.3	50.8	49.3
20	72.5	71.4	70.2	68.9	67.7	66.6	64.7	64.6	63.5	62.5	61.4	49.7	49.6	49.2	48.0
22	64.4	64.1	63.4	62.2	61.1	60.1	59.4	58.4	57.4	56.4	55.4	48.1	47.9	47.8	46.8
24	57.2	57.0	56.6	56.2	55.6	54.7	54.0	53.1	52.2	51.3	50.4	46.2	46.4	46.4	45.6
26	51.3	51.0	50.7	50.3	50.0	49.7	49.3	48.5	47.7	46.8	46.0	45.0	44.9	44.4	43.6
28	46.4	46.1	45.8	45.3	45.0	44.7	44.6	44.3	43.7	43.0	42.2	42.2	41.5	40.7	39.9
30	42.2	41.9	41.6	41.1	40.8	40.5	40.4	40.1	39.8	39.4	38.8	38.9	38.2	37.5	36.7
32	38.6	38.3	37.9	37.5	37.2	36.9	36.8	36.5	36.1	35.8	35.4	35.9	35.3	34.6	33.9
34	35.4	35.2	34.8	34.4	34.0	33.7	33.6	33.3	33.0	32.6	32.3	32.7	32.4	32.0	31.3
36	32.7	32.4	32.0	31.6	31.3	31.0	30.9	30.5	30.2	29.9	29.5	29.9	29.6	29.3	28.9
38	30.2	30.0	29.6	29.2	28.8	28.5	28.4	28.1	27.7	27.4	27.0	27.5	27.1	26.8	26.4
40	28.1	27.8	27.4	27.0	26.7	26.4	26.2	25.9	25.6	25.2	24.9	25.3	24.9	24.6	24.3
42	26.1	25.9	25.5	25.1	24.7	24.4	24.3	24.0	23.6	23.3	22.9	23.3	23.0	22.6	22.3
44	24.4	24.1	23.7	23.3	22.9	22.7	22.5	22.2	21.9	21.5	21.1	21.6	21.2	20.9	20.5
46	22.8	22.5	22.1	21.7	21.4	21.1	20.9	20.6	20.3	19.9	19.5	20.0	19.6	19.3	18.9
48	21.3	21.1	20.7	20.3	19.9	19.6	19.5	19.2	18.8	18.5	18.1	18.5	18.2	18.2	17.8
50	20.0	19.7	19.4	19.0	18.6	18.3	18.2	17.8	17.5	17.1	16.7	17.2	17.3	16.9	16.3
52	18.8	18.5	18.1	17.7	17.4	17.1	16.9	16.6	16.3	15.9	15.6	16.4	16.1	15.7	15.1
54	17.7	17.4	17.0	16.6	16.2	15.9	15.8	15.5	15.1	14.9	14.6	15.2	14.9	14.3	14.0
56	16.6	16.3	16.0	15.6	15.2	14.9	14.8	14.5	14.1	13.9	13.5	14.0	13.8	13.4	12.9
58	15.6	15.4	15.0	14.6	14.2	13.9	13.8	13.5	13.1	12.9	12.5	13.0	12.9	12.4	11.9
60		14.5	14.1	13.7	13.3	13.0	12.9	12.6	12.3	12.0	11.7	12.2	11.9	11.5	11.0
64				12.1	11.7	11.4	11.3	11.0	10.7	10.4	10.1	10.5	10.3	10.0	9.3
68					10.3	10.0	9.9	9.6	9.3	9.1	8.8	9.2	8.9	8.6	7.9
72							8.6	8.5	8.2	7.8	7.5	8.0	7.7	7.4	6.6
76								7.3	7.0	6.8	6.5	6.9	6.6	6.3	5.5
80										5.8	5.5	5.9	5.6	5.3	4.5
84											4.6	5.0	4.7	4.5	3.6
88													3.9	3.7	
	8	7	7	6	6	6	5	5	5	5	5	4	4	4	4

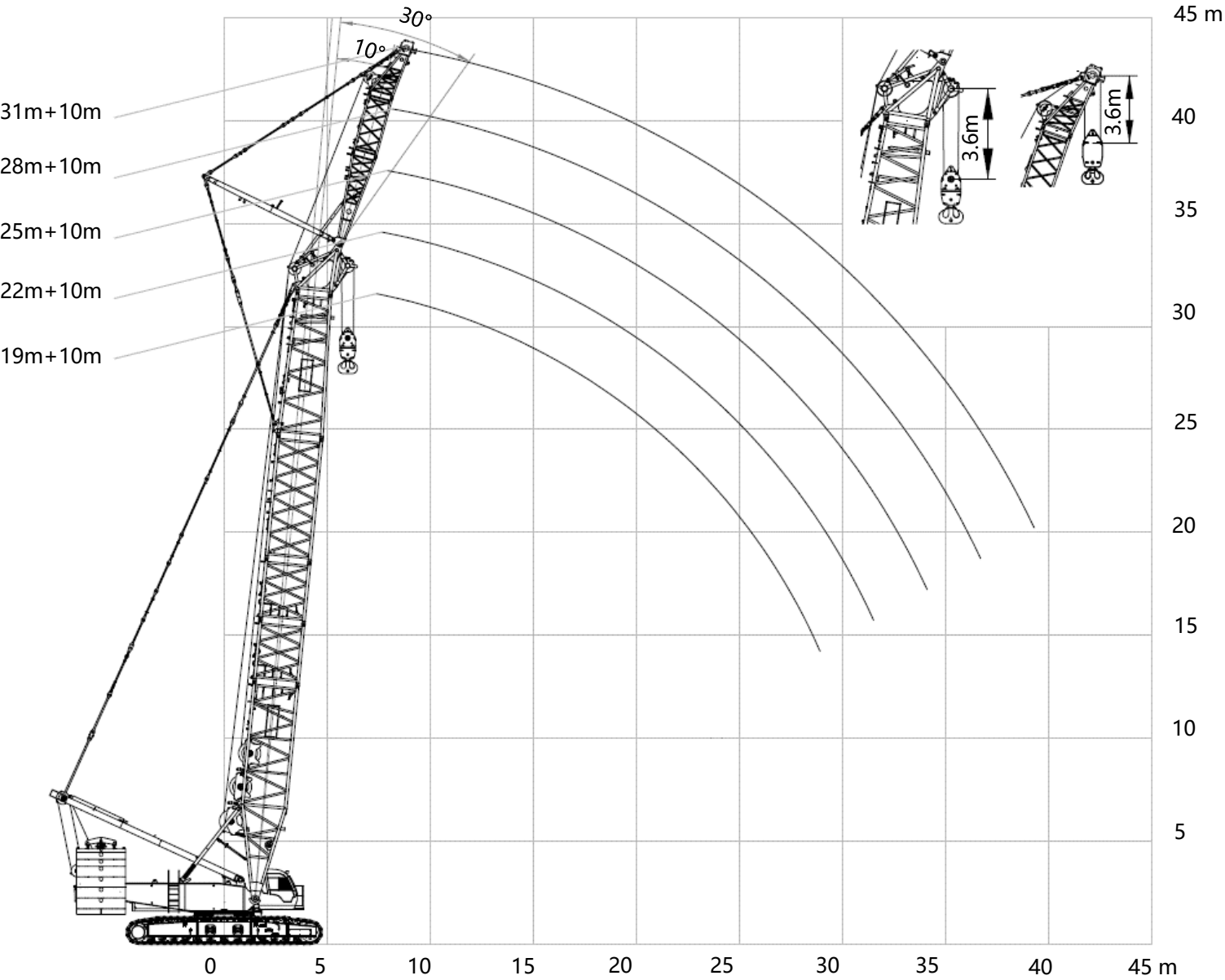
Operation Mode and Lifting Performance-HBF

Main boom combination in TBM jib operation mode						
Main boom length (m)	Name of main boom sections					
	H10.5B-2621 (10.5m)	H3-2621 (3m)	H6-2621 (6m)	H12-2621 (12mA)	H7R-2621 (7m)	HT1.5-2016 (1.5m)
19	1	0	0	0	1	1
22	1	1	0	0	1	1
25	1	0	1	0	1	1
28	1	1	1	0	1	1
31	1	0	0	1	1	1

Note: 1. Tower jib rear pendant need to be removed from boom section, tower jib guide pulley needs to be removed from boom tapered section.
2. TBM jib sections are interchangeable with fixed jib sections.

Jib combination			
Jib length (m)	Name of jib sections		
	1411-B (4.5m)	1411 (3m)	1411-T (2.5m)
7	1	0	1
10	1	1	1

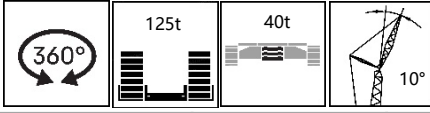
Operation Mode and Lifting Performance-HBF



XCMG_XGC320

Operation Mode and Lifting Performance-HBF

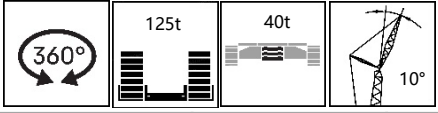
22m main boom + 7m TBM jib



6	82.13	260.0	8.3	130.0	7.1	200.0
7	79.46	252.0	9.7	130.0	8.3	183.2
8	76.76	216.7	11.0	130.0	9.5	166.8
9	74.02	192.3	12.4	125.6	10.7	153.6
10	71.23	183.0	13.7	117.5	11.8	145.8
11	68.38	155.8	15.1	108.6	13.0	129.0
12	65.47	140.0	16.4	96.3	14.2	114.8
13	62.47	126.7	17.7	86.3	15.3	103.7
14	59.37	113.5	19.1	77.4	16.5	92.9
15	56.15	104.0	20.4	71.5	17.7	85.3
16	52.79	92.2	21.7	65.0	18.8	76.7
17	49.24	84.0	23.0	60.3	20.0	70.3
18	45.46	76.8	24.4	55.7	21.2	64.7
19	41.38	71.1	25.7	51.5	22.3	60.0
20	36.87	65.7	27.0	48.1	23.5	55.6

Operation Mode and Lifting Performance-HBF

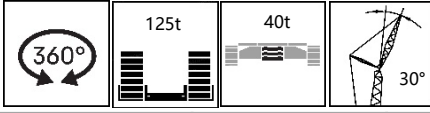
22m main boom + 10m TBM jib



6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
82.13	79.46	76.76	74.02	71.23	68.38	65.47	62.47	59.37	56.15	52.79	49.24	45.46	41.38	36.87
260.0	246.5	215.5	191.0	171.1	153.8	138.1	124.9	112.0	100.5	90.8	82.5	75.4	69.9	64.7
9.2	10.7	12.2	13.7	15.1	16.6	18.1	19.5	21.0	22.4	23.9	25.3	26.8	28.2	29.6
113.0	113.0	113.0	111.5	104.1	92.2	82.2	74.2	67.7	62.5	56.8	52.4	48.1	44.6	41.4
7.6	8.8	10.1	11.3	12.5	13.8	15.0	16.2	17.5	18.7	19.9	21.2	22.4	23.6	24.8
184.0	167.9	153.6	143.6	131.3	116.8	104.8	94.7	85.4	77.7	70.6	64.3	59.1	54.8	50.8

Operation Mode and Lifting Performance-HBF

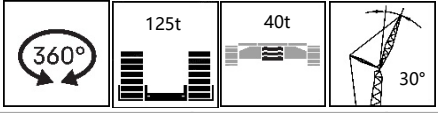
22m main boom + 7m TBM jib



6	82.13	260.0	10.4	94.0	8.2	164.2
7	79.46	245.9	11.7	89.5	9.3	148.9
8	76.76	215.2	12.9	85.9	10.4	136.0
9	74.02	190.9	14.2	82.3	11.6	124.4
10	71.23	171.2	15.5	79.2	12.7	115.7
11	68.38	154.8	16.7	76.6	13.8	108.1
12	65.47	139.4	18.0	74.1	15.0	100.2
13	62.47	126.1	19.2	72.1	16.1	93.9
14	59.37	112.5	20.4	69.4	17.2	87.0
15	56.15	101.1	21.7	64.7	18.3	79.8
16	52.79	91.5	22.9	60.1	19.4	73.2
17	49.24	83.3	24.0	55.8	20.5	67.2
18	45.46	76.2	25.2	52.0	21.6	62.1
19	41.38	70.1	26.4	48.2	22.7	57.4

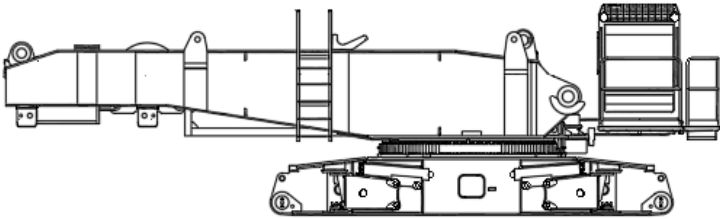
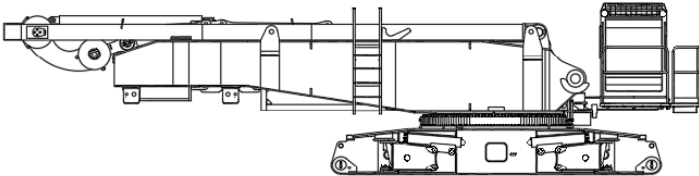
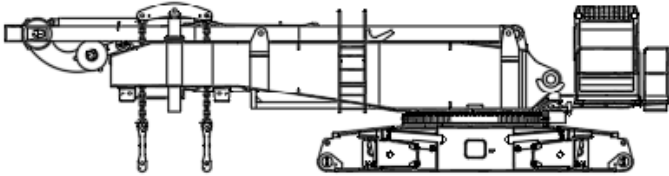
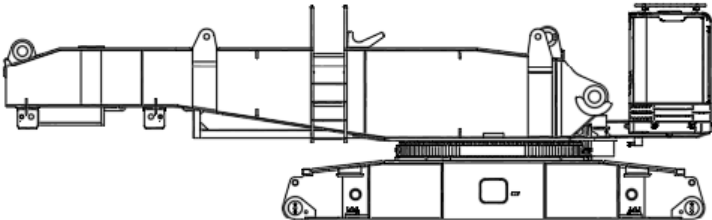
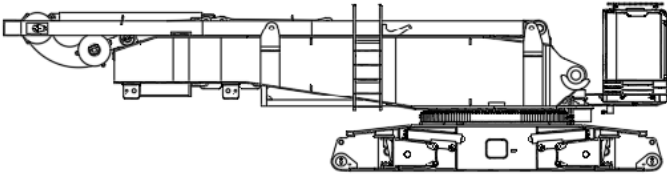
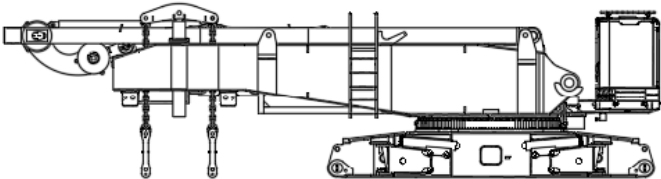
Operation Mode and Lifting Performance-HBF

22m main boom + 10m TBM jib

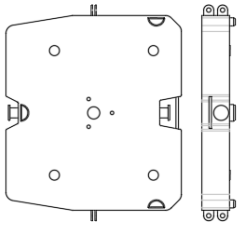
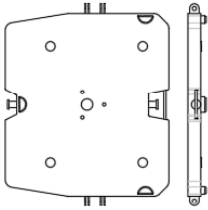
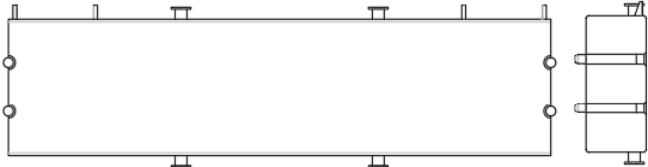

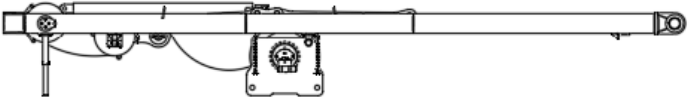
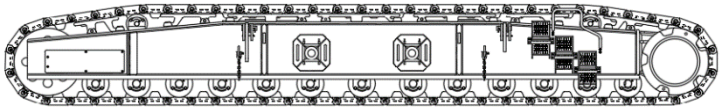


6	82.13	260.0	12.2	79.3	9.1	140.8
7	79.46	243.8	13.6	75.3	10.3	127.3
8	76.76	213.3	15.0	71.8	11.5	116.2
9	74.02	189.1	16.3	69.0	12.7	106.8
10	71.23	169.4	17.7	66.2	13.8	99.7
11	68.38	152.9	19.1	63.6	15.0	92.7
12	65.47	137.2	20.4	61.6	16.2	86.0
13	62.47	124.1	21.7	59.7	17.3	80.7
14	59.37	110.6	23.0	57.8	18.5	74.7
15	56.15	99.2	24.3	55.5	19.6	69.5
16	52.79	89.7	25.6	52.0	20.8	63.8
17	49.24	81.6	26.9	48.5	21.9	59.0
18	45.46	74.6	28.1	45.3	23.0	54.6
19	41.38	68.9	29.3	42.3	24.1	50.7

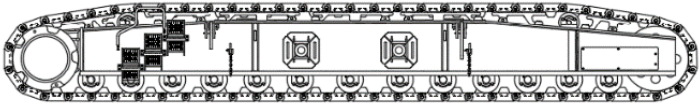
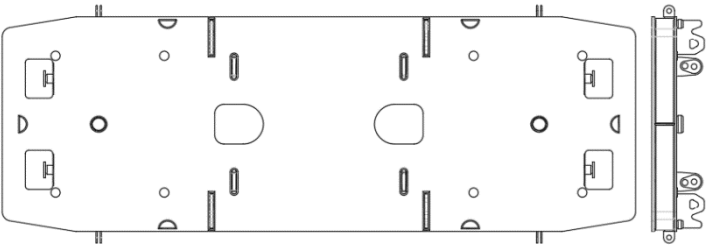
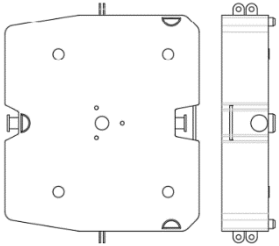
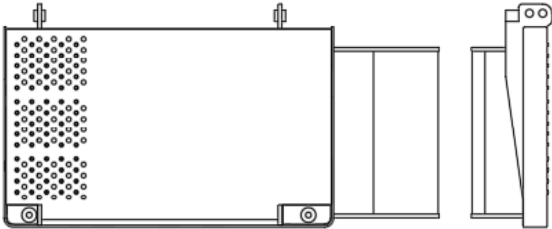
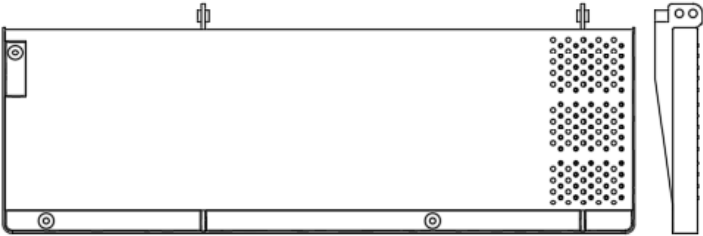
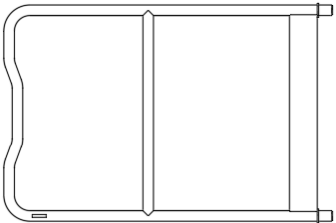
Dimensions of Transport Parts

	Basic crane transport plan A	×1
	Length	11120mm
	Width	3000mm
	Height	3300mm
	Weight	36200kg
	Basic crane transport plan B	×1
	Length	13200mm
	Width	3000mm
	Height	3320mm
	Weight	45600kg
	Basic crane transport plan C	×1
	Length	13200mm
	Width	3000mm
	Height	3400mm
	Weight	47500kg
	Basic crane transport plan D	×1
	Length	10600mm
	Width	3000mm
	Height	3400mm
	Weight	35200kg
	Basic crane transport plan E	×1
	Length	12600mm
	Width	3000mm
	Height	3400mm
	Weight	45000kg
	Basic crane transport plan F	×1
	Length	12600mm
	Width	3000mm
	Height	3400mm
	Weight	46500kg

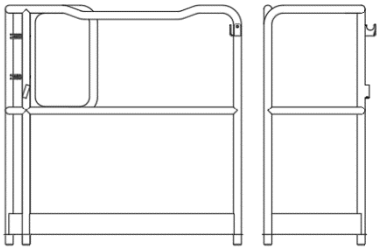
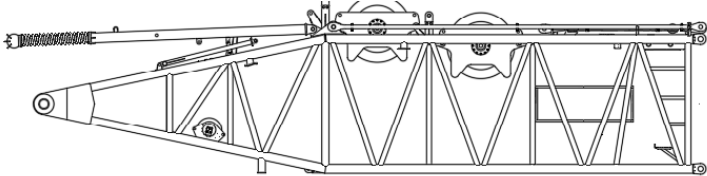
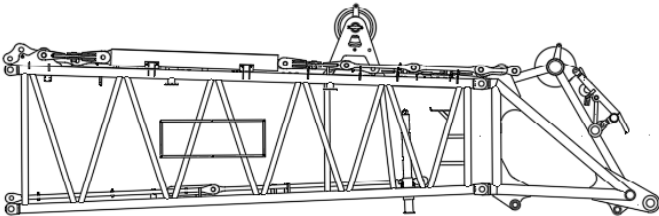
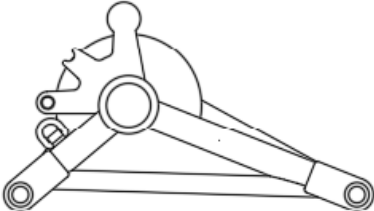
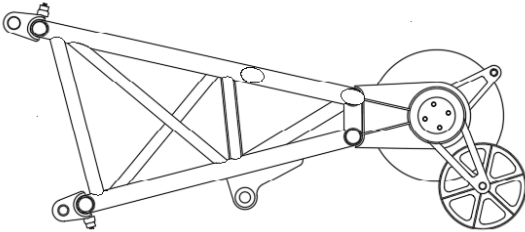
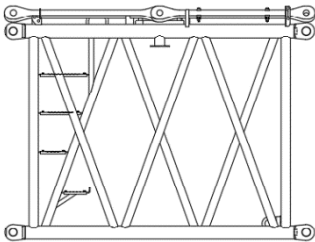
Dimensions of Transport Parts

	Turntable counterweight II	×4
	Length	2100mm
	Width	2630mm
	Height	400mm
	Weight	5000kg
	Turntable counterweight III	×2
	Length	2100mm
	Width	2630mm
	Height	240mm
	Weight	2500kg
	Car-body counterweight I	×2
	Length	5600mm
	Width	1630mm
	Height	720mm
	Weight	15000kg
	Car-body counterweight II	×2
	Length	5600mm
	Width	1620mm
	Height	170mm
	Weight	5000kg
	Mast assembly	×1
	Length	10300mm
	Width	2200mm
	Height	1420mm
	Weight	7500kg
	Left crawler frame	×1
	Length	9550mm
	Width	1450mm
	Height	1350mm
	Weight	23400kg

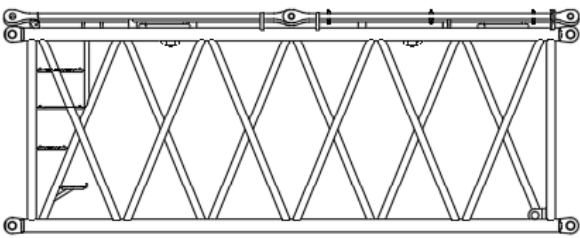
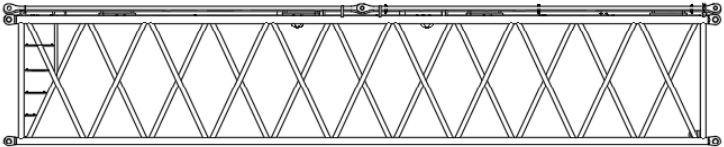
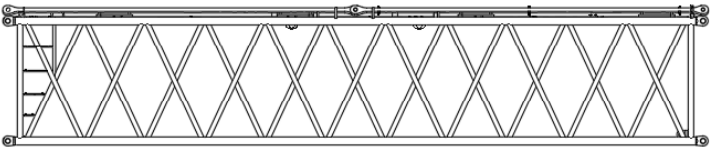
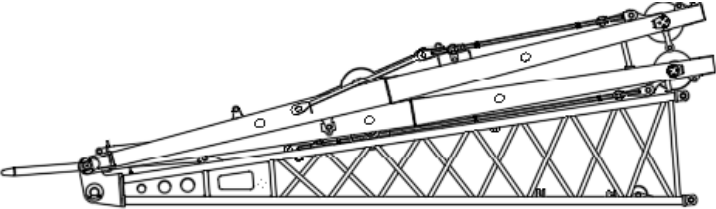
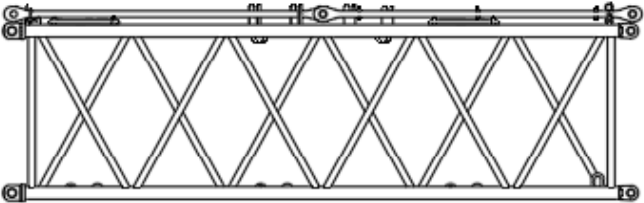
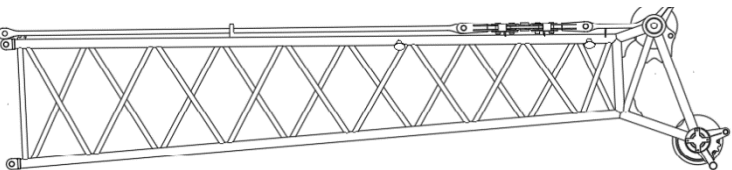
Dimensions of Transport Parts

	Right crawler frame	×1
	Length	9550mm
	Width	1450mm
	Height	1350mm
	Weight	23400kg
	Turntable counterweight tray	×1
	Length	6900mm
	Width	2630mm
	Height	570mm
	Weight	20000kg
	Turntable counterweight I	×8
	Length	2100mm
	Width	2630mm
	Height	580mm
	Weight	10000kg
	Catwalk I	×1
	Length	1176mm
	Width	612mm
	Height	218mm
	Weight	32kg
	Catwalk II	×1
	Length	1665mm
	Width	612mm
	Height	125mm
	Weight	47kg
	Guardrail I	×1
	Length	1182mm
	Width	109mm
	Height	805mm
	Weight	12kg

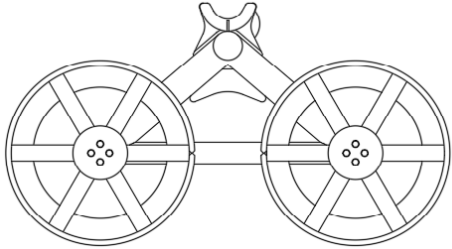
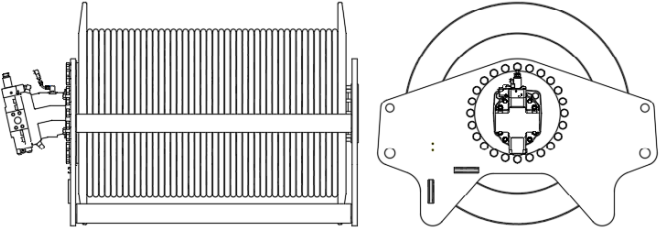
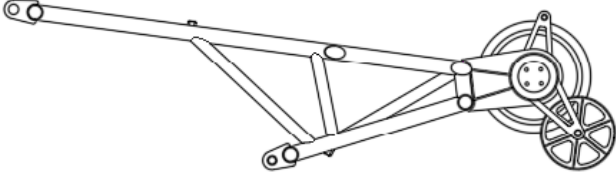
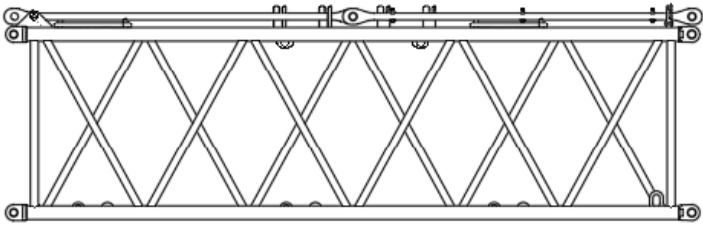
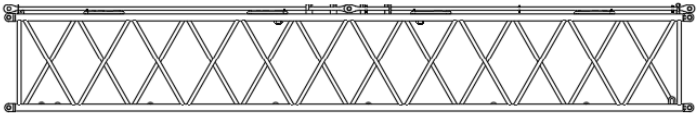
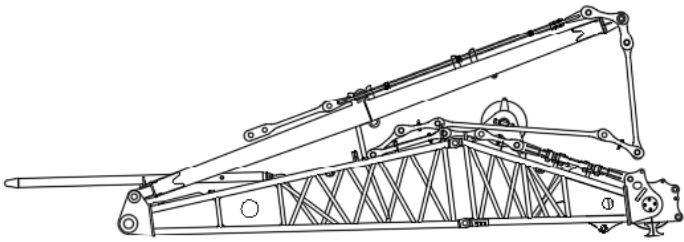
Dimensions of Transport Parts

	Guardrail II	×1
	Length	1138mm
	Width	539mm
	Height	1mm
	Weight	12kg
	Bottom section of boom	×1
	Length	11250mm
	Width	2770mm
	Height	2900mm
	Weight	14930kg
	Boom tapered section	×1
	Length	9760mm
	Width	2770mm
	Height	3200mm
	Weight	6890kg
	Boom pulley block (260t)	×1
	Length	1680mm
	Width	1350mm
	Height	960mm
	Weight	1150kg
	Boom end single pulley	×1
	Length	2400mm
	Width	1200mm
	Height	1050mm
	Weight	400kg
	3m section of boom	×1
	Length	3180mm
	Width	2770mm
	Height	2450mm
	Weight	1370kg

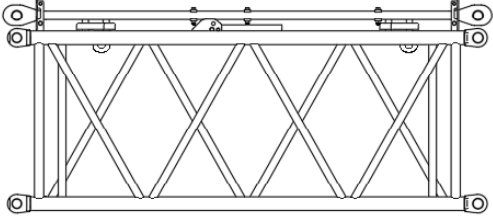
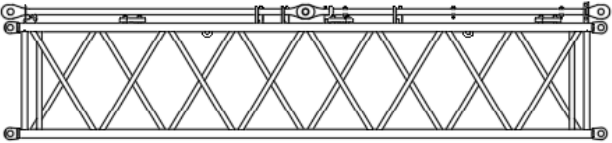
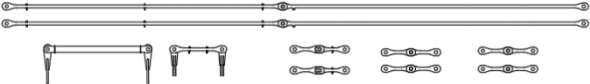
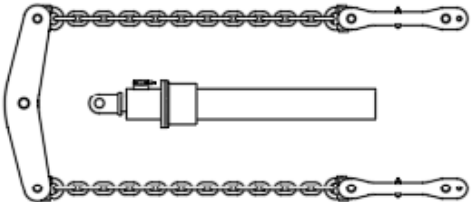

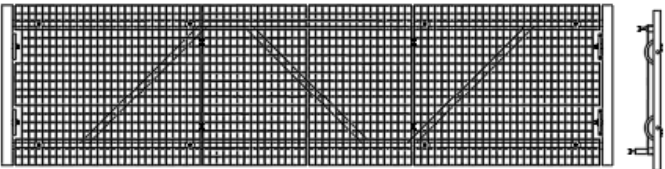
Dimensions of Transport Parts

	6m section of boom	×1
	Length	6180mm
	Width	2770mm
	Height	2450mm
	Weight	2260t
	12mA section of boom	×3
	Length	12180mm
	Width	2770mm
	Height	2450mm
	Weight	4180kg
	12m B section of boom	×2
	Length	12180mm
	Width	2770mm
	Height	2450mm
	Weight	3650kg
	Three-piece set of tower jib	×1
	Length	10810mm
	Width	2780mm
	Height	3190mm
	Weight	7200kg
	6mA section of tower jib	×1
	Length	6180mm
	Width	2150mm
	Height	1950mm
	Weight	1360kg
	Top section of tower jib	×1
	Length	9570mm
	Width	2150mm
	Height	2250mm
	Weight	2880kg

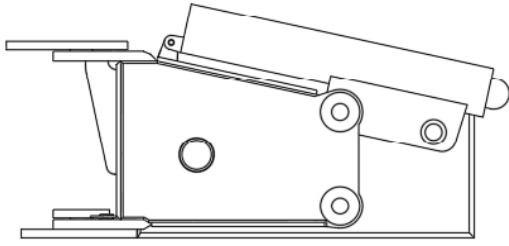
Dimensions of Transport Parts

	Power trolley	×1
	Length	1250mm
	Width	1150mm
	Height	700mm
	Weight	400kg
	Main lifting winch II (single pulley of tower jib)	×1
	Length	1250mm
	Width	1150mm
	Height	700mm
	Weight	4100kg
	Tower jib end single pulley	×2
	Length	3300mm
	Width	900mm
	Height	950mm
	Weight	500kg
	6mB section of tower jib	×2
	Length	6180mm
	Width	2150mm
	Height	1950mm
	Weight	1150kg
	12m section of tower jib	×2
	Length	12180mm
	Width	2150mm
	Height	1950mm
	Weight	1980kg
	Basic section of fixed jib	×1
	Length	9150mm
	Width	2770mm
	Height	3160mm
	Weight	4400kg

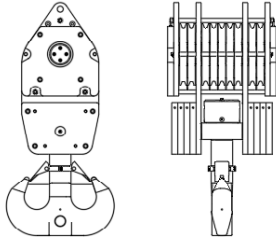
Dimensions of Transport Parts

	3m section of fixed jib	×1
	Length	3180mm
	Width	1510mm
	Height	1450mm
	Weight	520kg
	6m section of fixed jib	×1
	Length	6180mm
	Width	1510mm
	Height	1450mm
	Weight	820kg
	Additional pendant assembly	×1
	Length	6180mm
	Width	800mm
	Height	300mm
	Weight	1500kg
	Turntable counterweight self-assembly components	×2
	Length	4500mm
	Width	590mm
	Height	400mm
	Weight	400kg
	Turntable counterweight locking chain assembly	×2
	Length	3800mm
	Width	470mm
	Height	470mm
	Weight	400kg
	Undercarriage Catwalk	×2
	Length	3560mm
	Width	950mm
	Height	200mm
	Weight	200kg

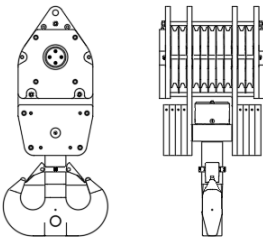
Dimensions of Transport Parts



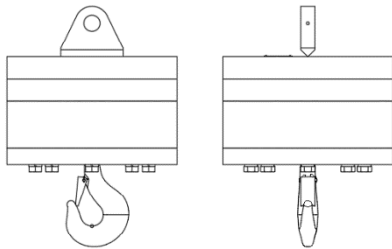
Left and right outrigger and outrigger cylinders	×4
Length	1800mm
Width	950mm
Height	250mm
Weight	350kg



200t lifting hook assembly	×1
Length	950mm
Width	990mm
Height	2250mm
Weight	4200kg



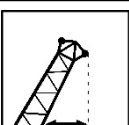
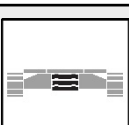

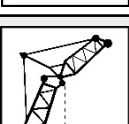
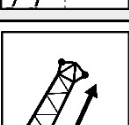
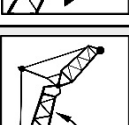


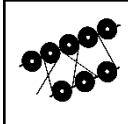
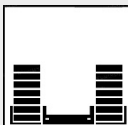
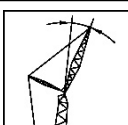


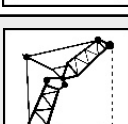
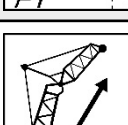
160t lifting hook assembly	×1
Length	850mm
Width	870mm
Height	2120mm
Weight	3900kg



16t lifting hook assembly	×1
Length	600mm
Width	600mm
Height	870mm
Weight	900kg

Symbols

	Rated lifting capacity
	Boom angle in HW operation mode
	Working radius
	Car-body counterweight
	Rated lifting capacity of main hook
	Radius of main hook
	Total length of boom
	Boom angle in TBM jib operation mode

	Parts of line
	Turntable counterweight
	Angle between boom and jib
	Rated lifting capacity of auxiliary hook
	Rated lifting capacity of two hook operation
	Radius of auxiliary hook
	Max. boom + jib combination length

Points for Attention

1. Do not rely on this document to operate a crane! For detailed and accurate operating instructions for the crane, please consult the Operation Manual and the Rated Lifting Capacity Manual provided with the product.
2. The lifting capacity listed in the table of lifting performance is measured in tonne (t). It is the maximum total lifting capacity that can be guaranteed by the crane on a stable and horizontal surface under the current boom length and radius, including the mass of hooks, slings and wire ropes. The actual mass of the load is the value after the mass of above items is subtracted.
3. The working radius in the lifting performance table is the horizontal distance from 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 the Operation Manual for detailed lifting performance.
6. This printed material is not a contract. For the continuous improvement of products, we reserve the right to change the product model, parameters and configuration without prior notice. The pictures are for reference only, and the specific products shall be subject to the actual product.
7. The structural calculation shall be carried out according to EN13000 and AS1418.5-2013 standards.



Address: No. 19 Taoshan Road, Xuzhou Economic Development Zone, Jiangsu, China

Tel.: +86-0516-87892525

Quality Inquiry Hotline.: +86-0516-87892587

Spare Parts Service.: +86-0516-87892086

Post code: 221004

Website: www.xcmg.com

Service Hotline

400-001-5678



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