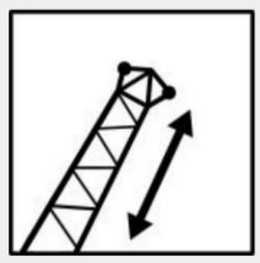
XLC150 CRAWLER CRANE

□ Technical specification

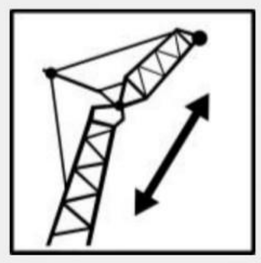




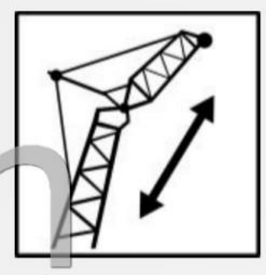
150 t



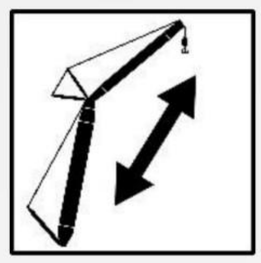
77m
(HB)



53+31m
(HF1)



65+31m
(HF2)



50+52m
(HW)

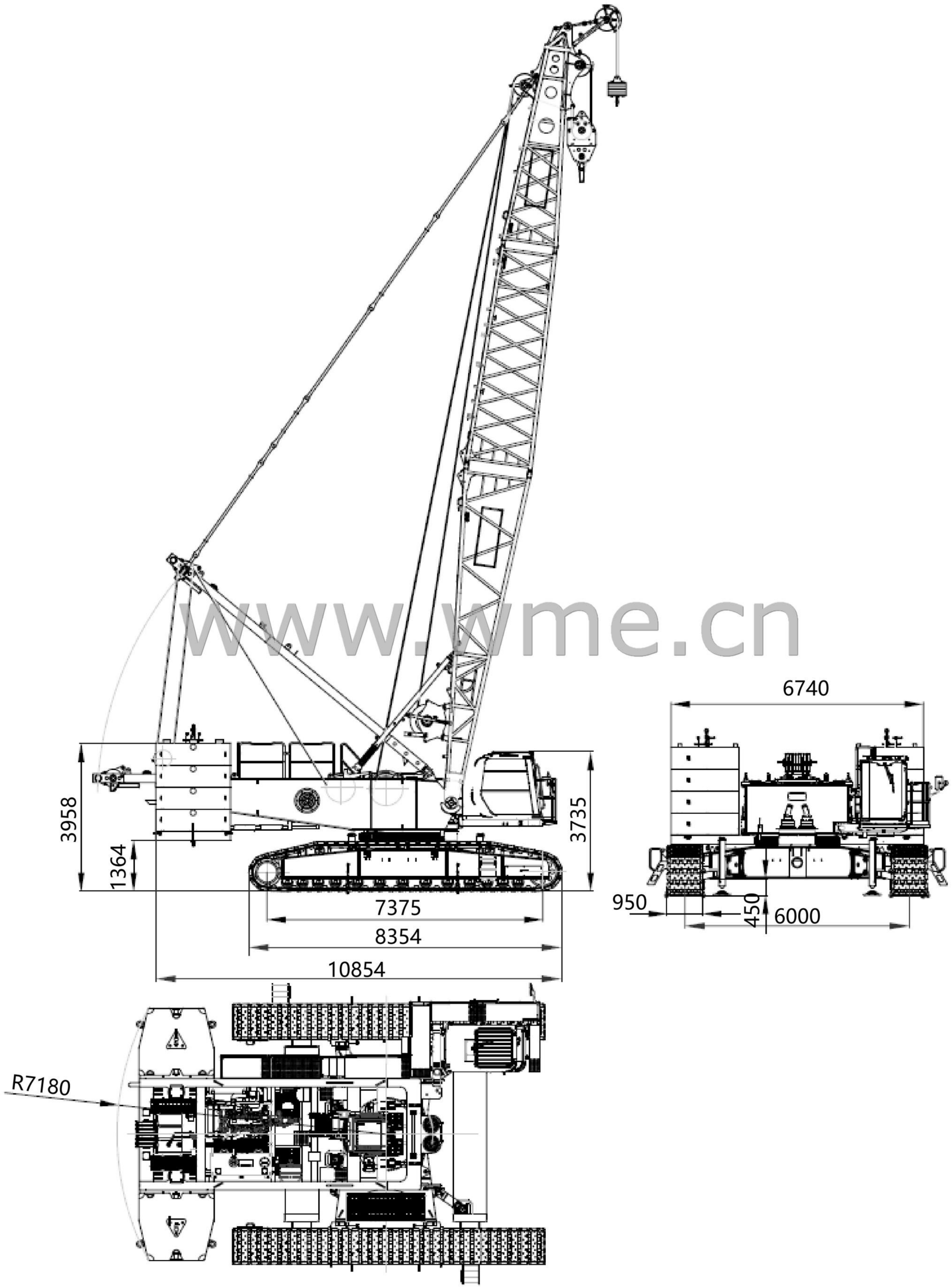
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Dimensions (mm)



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Technical specifications

➢ Boom combinations

- The boom sections of XLC150 crawler crane use high-strength seamless steel pipes (large cross section, thick wall and large diameter) as main chords and lacing members, supplemented by four-chord lattice structure welded by high strength steel plate, with equal section in the middle and variable section at two ends.
- Main boom operation mode: main boom length 20m ~ 77m, configured with boom end single pulley.
- Heavy duty fixed jib operation mode: fixed jib length 13m ~ 31m.
- Light duty fixed jib operation mode: fixed jib length 13m ~ 31m.
- Tower jib operation mode: tower jib length 22m ~ 52m, tower jib end single pulley is optionally configured.
- See "Operation mode and lifting performance" of this document for boom combinations in above operation modes.

➢ Boom luffing components

- Boom luffing components are made of high-strength pendant structure, with high safety factor. Pendant transition adopts balance beam structure with uniform stress; single pendant is equipped with "peach" -shaped connecting hole, the assembly is convenient, labor- saving and efficient.

➢ Turntable

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- Turntable is a key load bearing structure to connect crane superstructure and undercarriage. It is made of high-strength steel plate welded in "工" box-type composite box beam structure on both sides, coupled with undercarriage through slewing ring, with good overall strength and stability. Cab, main hoisting system, main luffing system, engine system, hydraulic pumps, hydraulic valves, electrical control cabinet, mast, main boom butt, superstructure counterweight and self dis/assembly cylinder are connected to different parts of turntable.

➢ Crawler travel device

- It is divided into left and right crawler travel devices, consists of track frame, track shoe, track roller, drive sprocket, idler, carrier roller, travel unit and tensioning device.
- Track frame: symmetrically arranged, one for each side. It is made of high-strength steel plate welded in box-type structure, and a parallel iron is set for car-body installation positioning, with good guiding and wear resistance effects.
- Drive sprocket: it is connected on planetary reducer housing with high-strength bolt.
- Track roller: double flange design, built-in floating seal, self-lubrication.
- Tension roller: used to adjust crawler tightness through hydraulic cylinder and adjusting pads.
- Carrier roller: built-in floating seal, self-lubrication.
- Track shoe: installed on crawler tracks.
- Travel unit: constant closed planetary gear reducer with strong travel power and high flexibility and mobility. It uses multiple wet-type constant closed brake, spring brake, and hydraulic release.

Technical specifications

➢ System composition

- See the following table for the configuration and use of the systems of the crane.

No.	Name	Function	Position
1	Main hoisting system	Used for main hook under main boom, boom end single pulley and fixed jib (include two hooks) operation modes	Turntable front part
2	Auxiliary hoisting system	Used for aux. hook under boom end single pulley and fixed jib (include two hooks) operation modes	On main boom butt, near the root position
3	Main luffing system	Used for main boom luffing operation	Middle of turntable
4	Tower jib luffing system	Used as tower jib luffing winch under tower jib and tower jib end single pulley operation modes	On main boom butt, near the top position
5	Slewing system	Used for superstructure slewing	Front of turntable
6	Travel system	Used for crane travel	Crawler drive sprocket

➢ Hoisting system

- Hoisting system includes main hoisting and auxiliary hoisting, planetary reducer is driven by motor to achieve the lifting and lowering of main or auxiliary hook through drum, guide pulley and sheave block.
- Hoisting system has built-in planetary reducer, with constant closed brake to achieve “spring brake/ hydraulic release” function, safe and reliable. The 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 wire rope used for hoisting system is rotation-resistant, with independent steel core, high breaking force and high extrusion resistance. Rated single line pull is 14.1t, wire rope diameter is φ26 mm, main winch rope length is 350m, aux. winch rope length is 250m.

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Hoisting system	Diameter of wire rope	Rated single line pull	Rope length
Main hoisting system	26mm	14.1t	350mm
Aux. hoisting system			250mm

➢ Slewing system

- Slewing system is arranged at the front part of turntable and externally meshed with slewing bearing. Planetary gear reducer is driven by motor to drive slewing bearing for 360° slewing.
- 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.
- The slewing system has free sliding function.

Technical specifications

➢ Luffing system

- Luffing system consists of main luffing and tower jib luffing.
- Main luffing system is installed on turntable middle position by pin shafts, planetary gear reducer is driven by motor to achieve boom luffing by drum and luffing pulley block.
- Main luffing system has built-in planetary reducer, with constant closed brake to achieve "spring brake/ hydraulic release" function, safe and reliable.
- The drum has a ratchet locking device, the ratchet pawl is driven by a hydraulic cylinder to achieve multiple lock protection.
- Ductile iron double fold-line single drum is used for main luffing winch, with good vibration absorption, ensures that no rope disorder occurs when it is wound in multiple layers, which effectively prolong the service life of the rope.
- Main luffing winch uses wire rope with independent steel core and high breaking force. The rated single line pull is 10.0t, rope diameter is φ22mm and rope length is 235m.
- Tower jib luffing system is installed on main boom butt, the drum has a ratchet locking device, the ratchet pawl is driven by a hydraulic cylinder to achieve multiple lock protection. Tower jib luffing winch uses wire rope with independent steel core and high breaking force. Rope diameter is φ20mm, rope length is 210m.

Main luffing system	Diameter of wire rope	22mm	Tower jib luffing system	Diameter of wire rope	20mm
	Winch rope length	235m		Winch rope length	210m

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➢ Slewing bearing

- Two-row ball slewing bearing with elliptical track, it has the features of high strength, large bearing capacity, high precision, long service life and easy maintenance.

➢ Oil cylinder assembly

- The connection of boom and turntable, the connection of car-body and track frame, and the connection of counterweight tray and turntable are all realized by power pins driven by oil cylinder. The use of mast jacking cylinder, outrigger cylinder and crawler tension cylinder makes the machine assembly/disassembly quicker and easier. Operator's cab also has cylinders for vertical tilting and horizontal rotation.

➢ Operator's cab

- The new generation of 1.25m wide cab, it is bright with gorgeous appearance and wide vision, the operation of the cab is comfortable and convenient.

➢ Car-body

- Car-body is a box-type radial structure, welded by high strength steel plates with good overall rigidity and high strength.

Technical specifications

➢ Hydraulic system

- Hydraulic system composition: hoisting system, slewing system, travel system, pilot control system, cooling system and auxiliary system.
- Hoisting and travel systems: adopt LUDV load sensing system controlled by hydraulic pilot proportional control, supplemented by integrated main valve, safe and reliable. It has features of accurate speed, sensitive operation and good fine motion performance, allowing compound operations of multiple actions.
- Slewing system: closed circuit, with stable start and stop, good fine motion performance and proportional characteristics, meeting the requirements of fine lifting operation.
- Cooling system: independent hydraulic drive, air-cooled heat exchanger with fin type inner core.
- Auxiliary system: mast one-key lifting function, optional rear counterweight self dis/assembly and mast derrick functions, the assembly and disassembly is more efficient.

➢ Electrical system

- Electrical system mainly includes: engine control, auxiliary equipment, hydraulic system control, load moment indicator, safety monitoring, data display, etc.
- Composition of electrical system: conventional electrical system and PLC control system.
- Conventional electrical system includes power supply, start control, air conditioning, radio, lighting, wipers, etc.
- PLC control system includes the control of main and auxiliary winches, slewing, main boom luffing and other movements, as well as engine state monitoring. All the movements are controlled by PLC logic control of CAN-bus technology.

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

➢ Engine system

- Model: Weichai WP10G336E344
- Type: in-line, water-cooled, turbocharged, electronic injection and environmentally friendly diesel engine
- Environmental protection: meet off-road Stage III emission standard in China/European countries.
- Rated power: 247kw/1900rpm

➢ Counterweight

- Counterweight consists of car-body counterweight and turntable counterweight.
- Car-body counterweight is 6t and uses mast derrick to realize the self-dis/assembly, car-body counterweight is installed at front and rear of track frame. Composition: car-body counterweight 2×3t.
- Turntable counterweight has two options: 55t and 45t. Independent load charts based on different counterweight combinations are provided to meet different lifting requirements, so that customers can use the operation modes more practical, economical, convenient and fast. In addition, the optimal use of counterweight can also lower the cost for customers when transporting and purchasing the crane.
- Turntable counterweight is installed at the rear of turntable. Turntable counterweight combinations available are as follows:

No.	Mass of turntable counterweight (t)	Combination type of counterweight slab
1	55t	1×15t+8×5t
2	45t	1×15t+6×5t

Technical specifications

➢ Hook block

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

Hook name	150t (optional)	100t (optional)	80 t	32t(optional)	13.5 t
Weight (t)	2.2	1.69	0.96	0.73	0.5
Number of pulley	7	5	3	1	0

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

Parts of line	12	11	10	9	8	7
Max. lifting weight	150	140.6	129.1	117.3	105.3	93.1
Parts of line	6	5	4	3	2	1
Max. lifting weight	80.6	67.8	54.8	41.5	27.9	14.1

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Notes: 1. If you need the hooks marked with "optional" in the table, please specify the agreement 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.

➢ Safety devices

- The safety devices include: LMI system, main/auxiliary hoisting rope over-wound prevention device, main/auxiliary hoisting rope over-released prevention device, main luffing winch ratchet lock, boom angle limit, main boom and jib backstops, closed circuit monitoring system, height mark lamp, anemometer, electronic level indicator, lightning-proof system, buzzer and warning light, function interlock, emergency function, fault self-diagnosis system and black box, power cut-off protection.

Optional parts

➢ Optional parts

No.	Item
1	150t hook
2	100t hook
3	32t hook
4	Mast derrick components
5	Fuel heater
6	Level indicator
7	Data recorder
8	Cold start device
9	Surge protector
10	Turntable counterweight self-dis/assembly
11	Bottom sealing plate of turntable
12	Components for two hook operation
13	Monitoring system
14	Tool box
15	Light duty fixed jib
16	Tower jib
17	Tower jib luffing system
18	Mast self-dis/assembly device

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Main technical parameters

Item		Unit	Data
Max. lifting capacity	Main boom operation mode	t	150
	Heavy duty fixed jib operation mode	t	50
	Light duty fixed jib operation mode	t	26
	Tower jib operation mode	t	45
Max. lifting moment		t.m	874.8
Dimension parameters	Main boom length	m	20 ~ 77
	Fixed jib length	m	13 ~ 31
	Main boom length in fixed jib operation mode	m	Standard configuration: 0 ~ 53; Optional configuration: 29 ~ 65;
	Max. main boom and jib combination	m	Standard configuration: 53+31; Optional configuration: 65+31;
	Tower jib length	m	22 ~ 52
	Main boom length in tower jib operation mode	m	20 ~ 53
	Max. main boom and jib combination	m	50+52
Speed parameters	Hoisting winch max. single line speed	m/min	120
	Main boom luffing winch max. single line speed	m/min	60
	Tower jib luffing winch max. single line speed	m/min	75
	Max. slewing speed	rpm	1.0
	Max. travel speed	km/h	1.3
Engine	Rated power	kW	247
	Emission standard	-	China/Euro off-road stage III
Overall mass of the crane (20m main boom, 150t hook, 45t turntable counterweight, 6t car-body counterweight)		t	128
Average ground pressure		MPa	0.095
Grade ability		-	30%
Max. mass of single piece in transport state		t	34.5
Max. dimension of single piece in transport state (L×W×H)		m	11.5×3.0×3.2

Notes: 1. Single line 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.

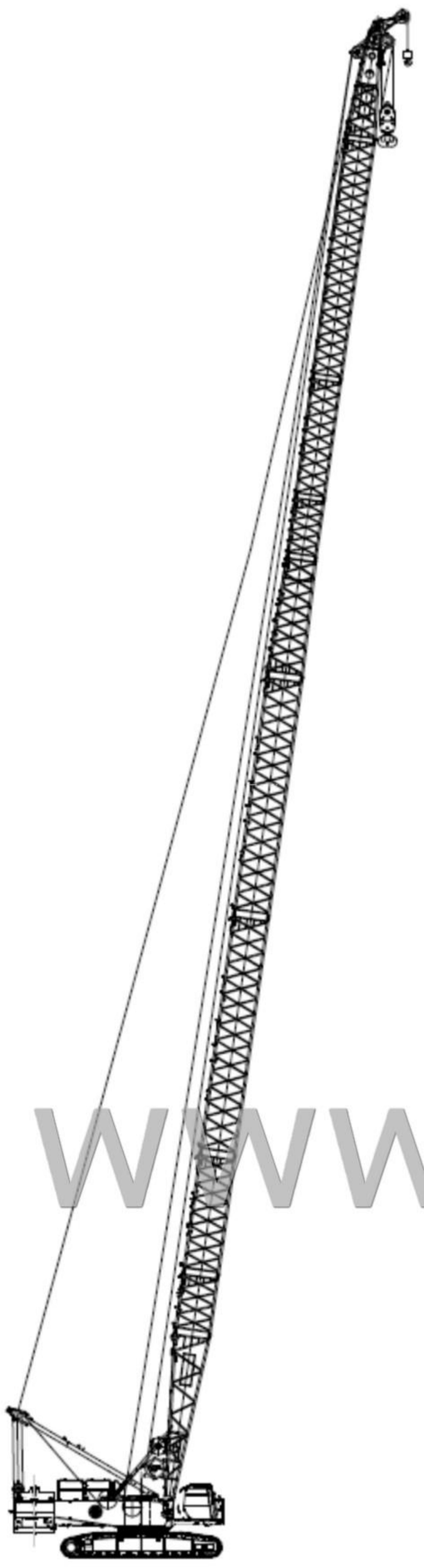
2. Travel speed, grade ability, mean ground pressure and slewing speed are the theoretical values for the crane based on level and solid ground.

3. Except for the data with "*", other data in this table are the parameters based on 55t turntable counterweight and 6t car-body counterweight.

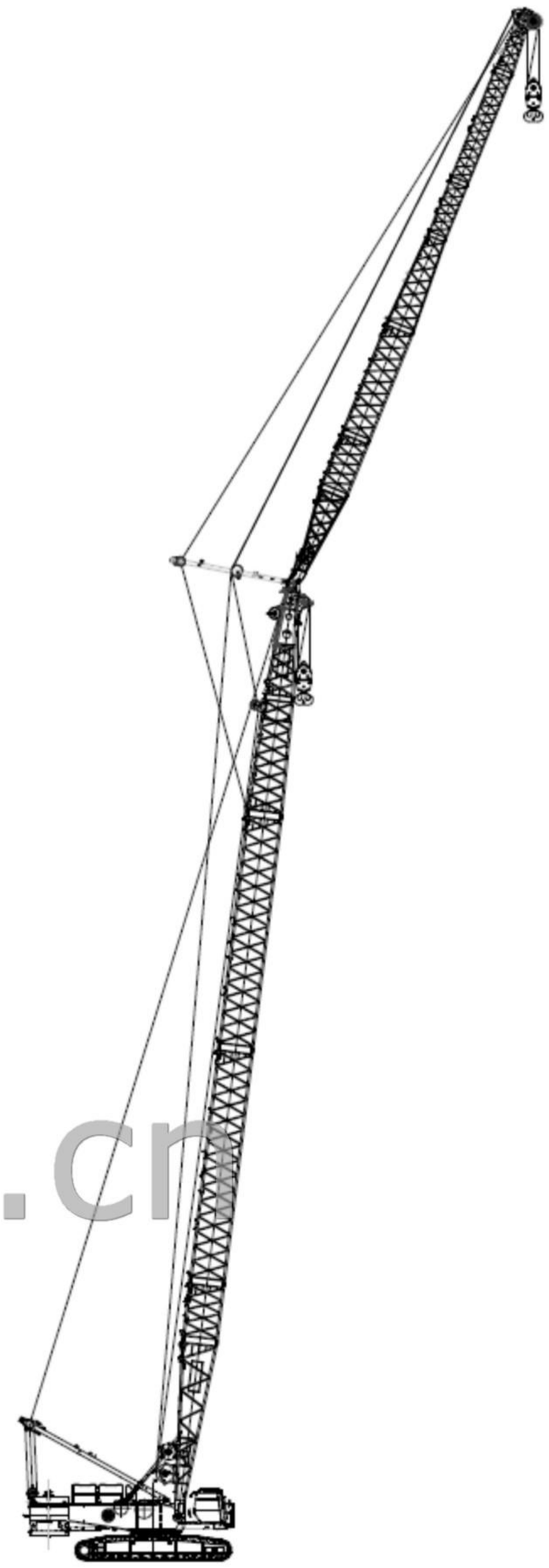
4. We reserve the right to improve and update the technical specifications without notice.

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Operation mode and lifting performance



Main boom HB/HBS



Heavy duty fixed jib HF1

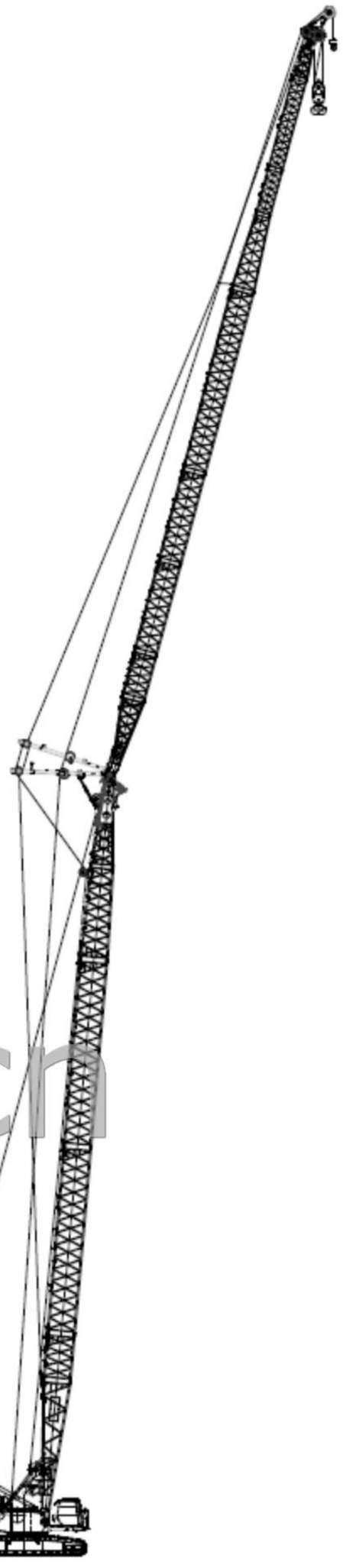
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Operation mode	Boom/jib combination	Length(m)
HB	Main boom	HB(20 ~ 77)
HBS	Main boom + boom end single pulley (two hooks, main hook is used to lift load)	HB（20~77）+S 1.2
	Main boom + boom end single pulley (two hooks, auxiliary hook is used to lift load)	
HF1	Main boom + heavy duty fixed jib	HB(20 ~ 53)+FJ(13 ~ 31)
	Main boom + heavy duty fixed jib (two hooks, main hook is used to lift load)	HB(26 ~ 53)+FJ(13 ~ 31)
	Main boom + heavy duty fixed jib (two hooks, auxiliary hook is used to lift load)	

Operation mode and lifting performance



Light duty fixed jib HF2



Tower jib operation mode HW

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Operation mode	Boom/jib combination	Length(m)
HF2	Main boom + light duty fixed jib	HB(29～65)+FJ(13～31)
	Main boom + light duty fixed jib (two hooks, main hook is used to lift load)	
	Main boom + light duty fixed jib (two hooks, auxiliary hook is used to lift load)	
HW	Main boom + tower jib	HB(20～50)+W(22～52) HB53+W (22~37)
	Main boom + tower jib + jib end single pulley (two hooks, main hook is used to lift load)	HB (20~50) +W (22~52) +S1.2 HB53+W (22~37) +S1.2
	Main boom + tower jib + jib end single pulley (two hooks, auxiliary hook is used to lift load)	

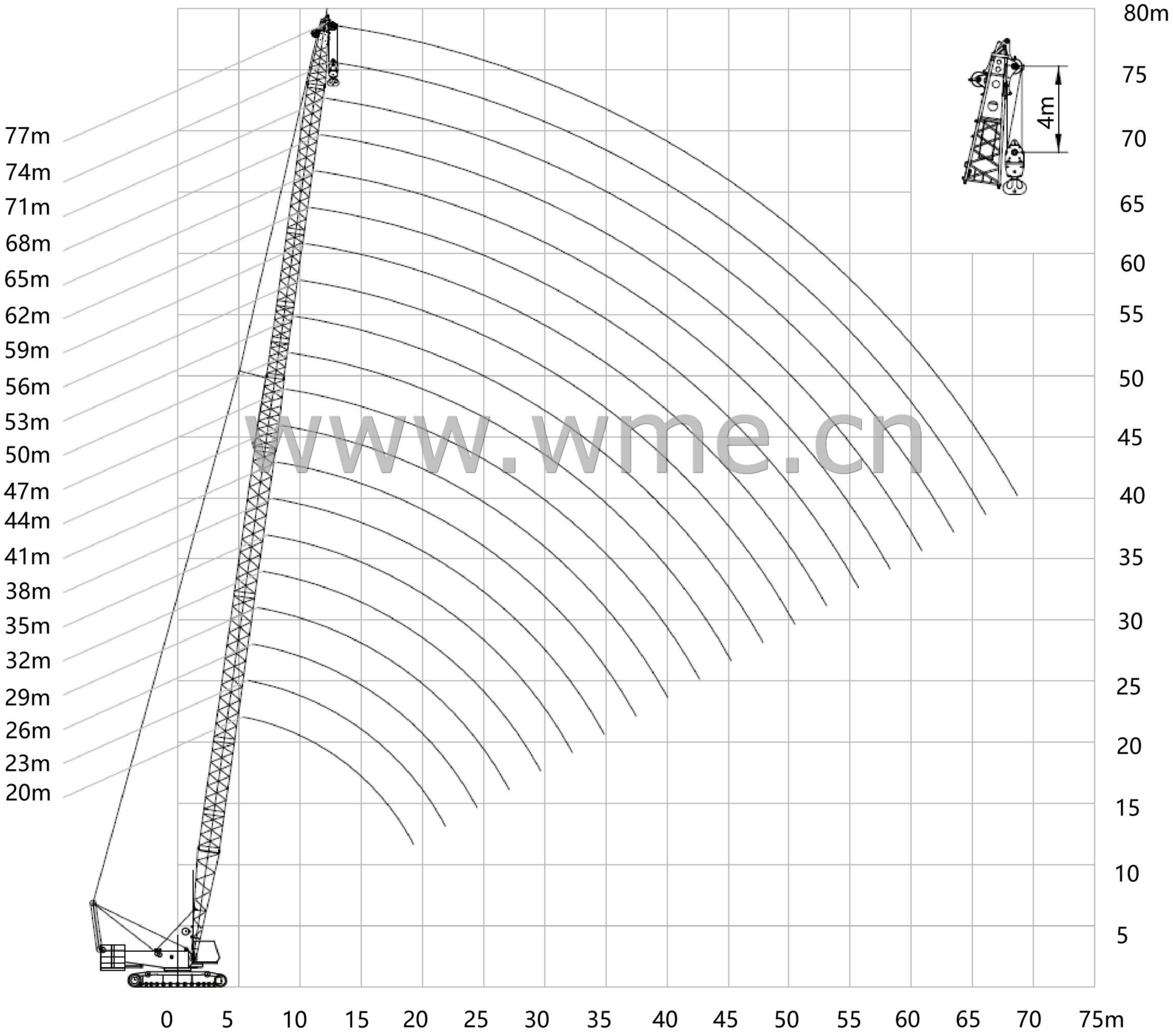
Operation mode and lifting performance——HB

Main boom combination									
Main boom length (m)	Code								
	Main boom butt 9m	Main boom insert 3mA	Main boom insert 6mA	Main boom insert 12mA	Main boom transition section 6m	Main boom insert 3mB	Main boom insert 6mB	Main boom insert 12mB	Main boom top 5m
20	1	0	0	0	1	0	0	0	1
23	1	1	0	0	1	0	0	0	1
26	1	0	1	0	1	0	0	0	1
29	1	1	1	0	1	0	0	0	1
32	1	0	0	1	1	0	0	0	1
35	1	1	0	1	1	0	0	0	1
38	1	0	1	1	1	0	0	0	1
41	1	1	1	1	1	0	0	0	1
44	1	0	0	2	1	0	0	0	1
47	1	1	0	2	1	0	0	0	1
50	1	0	1	2	1	0	0	0	1
53	1	1	1	2	1	0	0	0	1
56	1	1	1	2	1	1	0	0	1
59	1	1	1	2	1	0	1	0	1
62	1	1	1	2	1	1	1	0	1
65	1	1	1	2	1	0	0	1	1
*68	1	1	1	2	1	1	0	1	1
*71	1	1	1	2	1	0	1	1	1
*74	1	1	1	2	1	1	1	1	1
*77	1	1	1	2	1	2	1	1	1

Note: 1. Main boom length with "*" needs to use center hitch.
2. Tower jib rear pendants need to be removed from main boom sections. Tower jib/fixed jib guide pulley needs to be removed from main boom transition section.

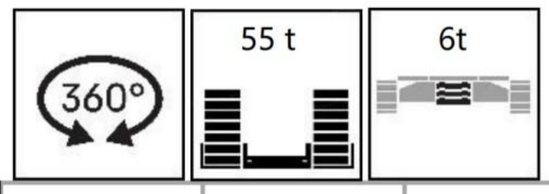
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Operation mode and lifting performance——HB



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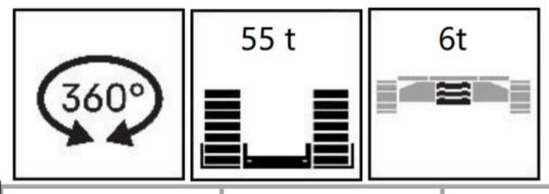


Main boom length: 23~50m

m	23	26	29	32	35	38	41	44	47	50
7					104.8					
8			102.2	99.1	96.1	92.6	90.6			
9	94.3	91.7	89	86.6	84.2	82	79.8	77.7	75.8	67.4
10	80.1	80.1	78.8	76.8	74.9	73	71.2	69.5	67.9	67.2
12	61.2	61.2	61.1	61.1	61	59.7	58.4	57.2	55.9	54.7
14	49.3	49.2	49.1	49.1	49	48.9	48.8	48.3	47.3	46.4
16	41	41	40.9	40.9	40.7	40.6	40.5	40.4	40.3	40.1
18	34.9	34.9	34.8	34.8	34.6	34.5	34.4	34.3	34.1	34
20	30.2	30.2	30.1	30.1	30	29.9	29.7	29.6	29.5	29.3
22		26.6	26.5	26.5	26.3	26.2	26.1	26	25.8	25.7
24		23.6	23.5	23.5	23.4	23.2	23.1	23	22.8	22.7
26			21	21	20.9	20.8	20.6	20.5	20.4	20.2
28				19	18.8	18.7	18.5	18.5	18.3	18.1
30					17.1	16.9	16.8	16.7	16.5	16.4
32						15.4	15.3	15.2	15	14.9
34						14.1	13.9	13.9	13.7	13.5
36							12.8	12.7	12.5	12.4
38								11.6	11.5	11.3
40									10.5	10.4
42									9.7	9.6
44										8.8

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Operation mode and lifting performance——HB

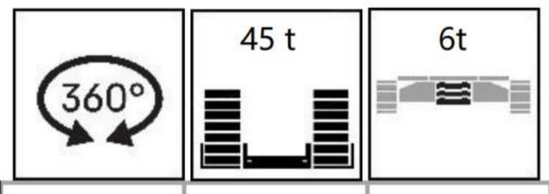


Main boom length: 53~77m

m	53	56	59	62	65	68*	71*	74*	77*
10	66.7	66.5							
12	53.6	52.5	51.5	49.6	43.3	42.9	36.4		
14	45.5	44.6	43.8	43	39.9	41.5	34.9	32.2	30
16	39.3	38.6	38	37.3	36.6	36.1	33.2	30.6	28.9
18	33.9	33.7	33.3	32.7	32.3	31.7	31.2	29.1	27.9
20	29.2	29.1	29	28.9	28.7	28.2	27.7	27.4	26.7
22	25.5	25.4	25.3	25.2	25.2	25.1	24.8	24.5	23.9
24	22.5	22.4	22.3	22.2	22.2	22.1	22	22	21.6
26	20	19.9	19.9	19.7	19.8	19.6	19.5	19.5	19.2
28	18	17.8	17.8	17.6	17.7	17.5	17.4	17.4	17.1
30	16.2	16.1	16	15.9	15.9	15.7	15.6	15.6	15.3
32	14.7	14.5	14.5	14.3	14.4	14.2	14.1	14.1	13.8
34	13.3	13.2	13.2	13	13	12.9	12.8	12.7	12.5
36	12.2	12.1	12	11.9	11.9	11.7	11.6	11.5	11.3
38	11.1	11	11	10.8	10.8	10.7	10.6	10.5	10.3
40	10.2	10.1	10	9.9	9.9	9.7	9.6	9.5	9.3
42	9.4	9.3	9.2	9.1	9.1	8.9	8.8	8.7	8.5
44	8.6	8.5	8.4	8.3	8.1	8.2	8.1	8	7.7
46	7.9	7.8	7.8	7.6	7.3	7.5	7.4	7.3	7.1
48		7.2	7.1	7	6.5	6.8	6.8	6.6	6.4
50		6.6	6.6	6.4	5.7	6.3	6.2	6.1	5.9
52			6	5.9	5	5.8	5.7	5.5	5.3
54				5.4	4.4	5.3	5.2	5	4.9
56					3.8	4.8	4.7	4.6	4.4
58						4.4	4.3	4.2	4
60						4	3.9	3.8	3.6
62							3.6	3.4	3.2
64								3.1	2.9
66									2.6
68									2.3

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Operation mode and lifting performance——HB

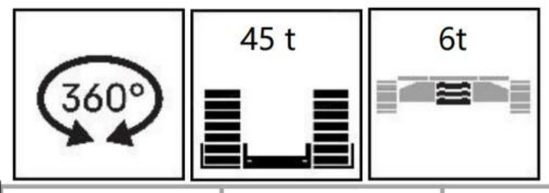


Main boom length: 20~50m

m	20	23	26	29	32	35	38	41	44	47	50
5	150										
6	145.8	139	132.9	127.2							
7	118.4	113.8	109.6	105.6	101.9	98.4					
8	99.5	96.2	93	90	87.3	84.6	82.1	79.7			
9	83.1	83.1	80.7	78.4	76.2	74.1	72.1	70.1	68.3	66.5	64.8
10	70.5	70.5	70.5	69.3	67.5	65.8	64.1	62.5	61	59.5	58.1
12	53.8	53.8	53.8	53.7	53.7	53.5	52.3	51.1	50	48.9	47.9
14	43.2	43.2	43.2	43.1	43.1	43	42.9	42.7	42.2	41.3	40.5
16	35.9	35.9	35.9	35.7	35.7	35.6	35.5	35.4	35.3	35.1	34.9
18	30.5	30.5	30.5	30.4	30.4	30.2	30.1	30	29.9	29.7	29.6
20		26.3	26.3	26.2	26.2	26.1	26	25.8	25.7	25.6	25.4
22			23.1	23	23	22.8	22.7	22.6	22.5	22.3	22.2
24			20.4	20.3	20.3	20.2	20.1	19.9	19.8	19.7	19.5
26				18.1	18.2	18	17.9	17.7	17.7	17.5	17.3
28					16.3	16.2	16.1	15.9	15.8	15.6	15.5
30						14.6	14.5	14.3	14.3	14.1	13.9
32							13.1	13	12.9	12.7	12.6
34							11.9	11.8	11.7	11.5	11.4
36								10.7	10.7	10.5	10.4
38									9.8	9.6	9.4
40										8.8	8.6
42										8	7.9
44											7.2

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Operation mode and lifting performance——HB



Main boom length: 53~77m

m	53	56	59	62	65	68*	71*	74*	77*
10	56.7	55.4							
12	46.8	45.8	44.9	44	43.3	42.3	36.4		
14	39.6	38.8	38.1	37.4	36.8	36.1	34.9	32.2	30
16	34.1	33.5	32.9	32.3	31.9	31.2	30.7	30.3	28.9
18	29.4	29.3	28.8	28.3	27.9	27.4	26.9	26.6	25.9
20	25.3	25.2	25.1	25	24.7	24.2	23.8	23.5	22.9
22	22	21.9	21.8	21.7	21.7	21.6	21.2	21	20.4
24	19.3	19.2	19.2	19	19.1	18.9	18.8	18.8	18.3
26	17.2	17	17	16.8	16.9	16.7	16.6	16.6	16.3
28	15.3	15.2	15.1	15	15	14.9	14.8	14.7	14.5
30	13.7	13.6	13.6	13.4	13.5	13.3	13.2	13.1	12.9
32	12.4	12.3	12.2	12.1	12.1	11.9	11.8	11.8	11.5
34	11.2	11.1	11	10.9	10.9	10.7	10.6	10.6	10.3
36	10.2	10	10	9.8	9.9	9.7	9.6	9.5	9.3
38	9.2	9.1	9.1	8.9	8.9	8.8	8.7	8.6	8.4
40	8.4	8.3	8.2	8.1	8.1	7.9	7.9	7.8	7.5
42	7.7	7.6	7.5	7.4	7.4	7.2	7.1	7	6.8
44	7	6.9	6.8	6.7	6.7	6.5	6.5	6.3	6.1
46	6.4	6.3	6.2	6.1	6.1	5.9	5.8	5.7	5.5
48		5.7	5.7	5.5	5.6	5.4	5.3	5.2	5
50		5.2	5.2	5	5	4.9	4.8	4.7	4.5
52			4.7	4.6	4.6	4.4	4.3	4.2	4
54				4.1	4.1	4	3.9	3.8	3.6
56					3.7	3.6	3.5	3.3	3.2
58						3.2	3.1	3	2.8
60						2.9	2.8	2.6	2.5
62							2.4	2.3	2.1
64								2	1.8

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Operation mode and lifting performance——HF1

Main boom combination						
Main boom length (m)	Code					
	Main boom butt 9m	Main boom insert 3mA	Main boom insert 6mA	Main boom insert 12mA	Main boom transition section 6m	Main boom top 5m
20	1	0	0	0	1	1
23	1	1	0	0	1	1
26	1	0	1	0	1	1
29	1	1	1	0	1	1
32	1	0	0	1	1	1
35	1	1	0	1	1	1
38	1	0	1	1	1	1
41	1	1	1	1	1	1
44	1	0	0	2	1	1
47	1	1	0	2	1	1
50	1	0	1	2	1	1
53	1	1	1	2	1	1

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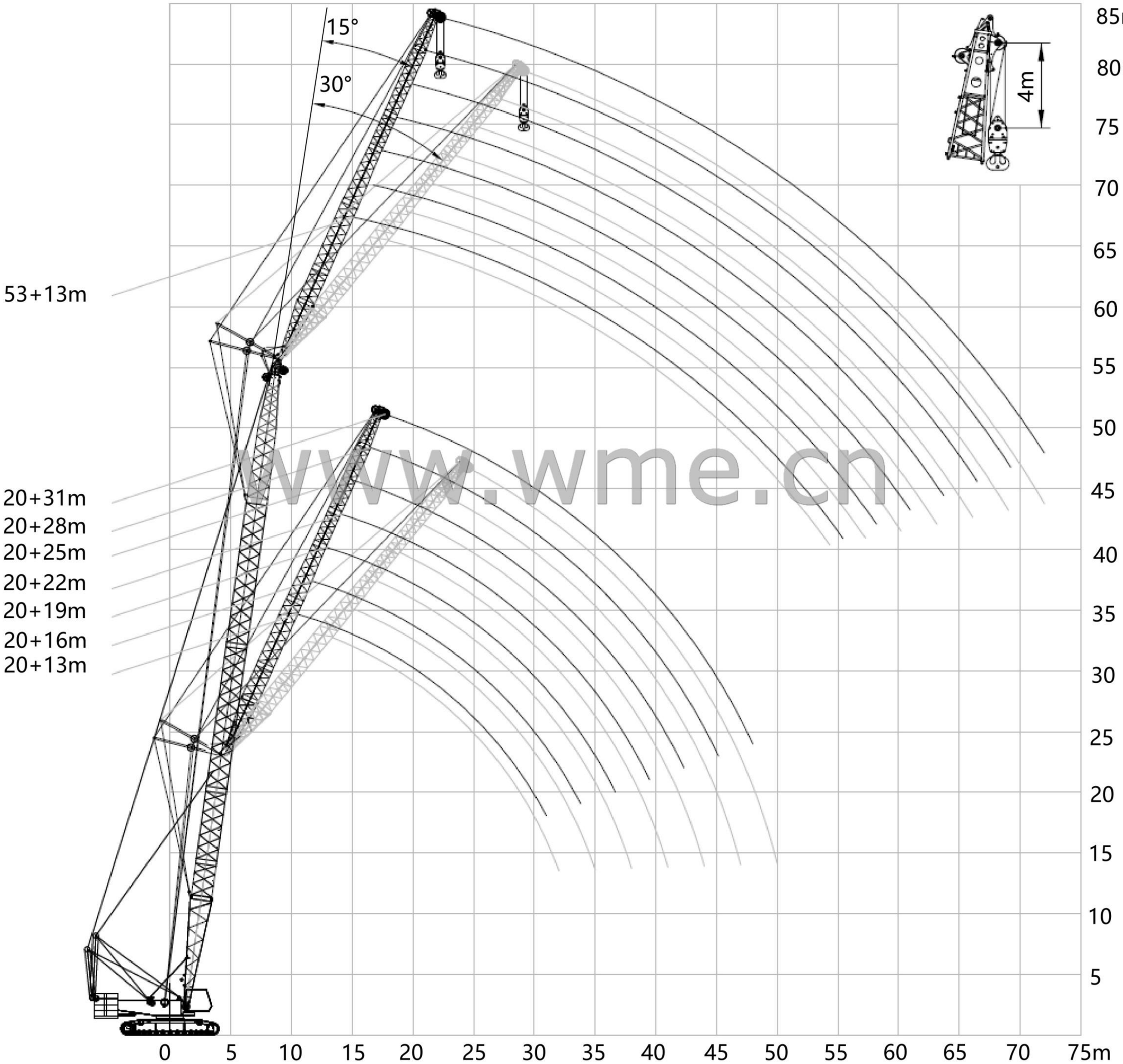
Heavy duty fixed jib combination							
Jib length (m)	Code						
	Jib butt 5m	Main boom insert 3mB	Main boom insert 6mB	Jib transition section 5m	Jib insert 3mC	Jib insert 6mC	Jib top 3m
13	1	0	0	1	0	0	1
16	1	0	0	1	1	0	1
19	1	0	0	1	0	1	1
22	1	0	0	1	1	1	1
25	1	1	0	1	1	1	1
28	1	0	1	1	1	1	1
31	1	1	1	1	1	1	1

Notes: 1. Tower jib rear pendants need to be removed from main boom sections. Tower jib guide pulley needs to be installed on main boom top.

2. When boom and jib combination length exceeds 71m, it is suggested to use wedge block to assist boom raising.

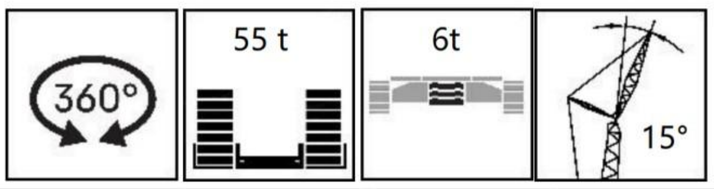
3. When using fixing jib F13, the fixed jib must use the hook with weight not less 2.2t.

Operation mode and lifting performance——HF1



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Operation mode and lifting performance——HF1

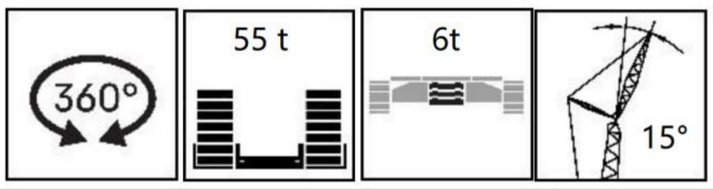


Main boom: 20m ~ 53m; fixed jib: 13m

m	20	23	26	29	32	35	38	41	44	47	50	53
12	50	43.8	47.6	48.5	45.8							
14	49	39.9	43.9	45.1	42.6	41.4	40.6	39.8	39.1	38.4		
16	41.8	36.7	40.7	41.5	39.8	38.8	38.1	37.5	36.9	36.3	27.9	27.9
18	35.6	34	35.3	35.1	35	34.9	34.8	34.6	34.1	33.5	27.9	27.9
20	30.8	30.6	30.5	30.3	30.2	30.1	29.9	29.8	29.6	29.5	27.9	27.9
22	27	26.8	26.7	26.5	26.4	26.2	26.1	25.9	25.8	25.6	25.5	25.3
24	23.9	23.7	23.6	23.4	23.3	23.1	23	22.8	22.7	22.5	22.4	22.2
26	21.3	21.2	21	20.8	20.7	20.6	20.4	20.2	20.1	19.9	19.8	19.6
28	19.2	19	18.9	18.7	18.6	18.4	18.2	18.1	17.9	17.8	17.6	17.4
30	17.3	17.2	17	16.8	16.7	16.6	16.4	16.2	16.1	15.9	15.7	15.6
32	15.7	15.5	15.4	15.2	15.1	15	14.8	14.6	14.5	14.3	14.1	14
34		14.1	14	13.8	13.7	13.6	13.4	13.2	13.1	12.9	12.7	12.6
36			12.8	12.6	12.5	12.3	12.2	12	11.9	11.7	11.5	11.3
38			11.5	11.4	11.3	11.1	10.9	10.8	10.6	10.4	10.2	
40			10.5	10.4	10.3	10.1	9.9	9.8	9.6	9.4	9.3	
42				9.5	9.4	9.2	9	8.9	8.7	8.6	8.4	
44					8.6	8.4	8.3	8.1	7.9	7.8	7.6	
46						7.7	7.5	7.4	7.2	7.1	6.9	
48							6.8	6.7	6.6	6.4	6.2	
50							6.2	6.1	5.9	5.8	5.6	
52								5.6	5.4	5.2	5	
54									4.9	4.7	4.5	
56										4.2	4	
58										3.8	3.6	
60											3.1	

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Operation mode and lifting performance——HF1

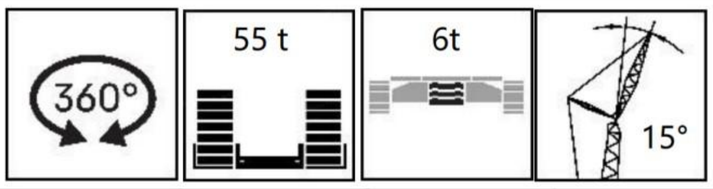


Main boom: 20m ~ 53m; fixed jib: 19m

m	20	23	26	29	32	35	38	41	44	47	50	53
14	25.6	26	26.3	26.5								
16	23.7	24.2	24.6	25	25.2	25.4	25.6	25.7	25.7			
18	22.2	22.7	23.2	23.6	23.9	24.2	24.4	24.6	24.7	24.7	24.7	24.7
20	20.8	21.4	21.9	22.3	22.7	23	23.3	23.5	23.7	23.8	23.8	23.9
22	19.6	20.2	20.7	21.2	21.6	22	22.3	22.5	22.7	22.9	23	23.1
24	18.5	19.1	19.7	20.2	20.6	21	21.3	21.6	21.9	22.1	22.2	22.3
26	17.5	18.1	18.7	19.3	19.7	20.1	20.5	20.8	20.7	20.5	20.4	20.2
28	16.6	17.3	17.9	18.4	18.9	18.9	18.8	18.6	18.5	18.3	18.2	18
30	15.8	16.4	17.1	17.4	17.2	17.1	16.9	16.7	16.6	16.4	16.3	16.1
32	15.1	15.7	15.9	15.8	15.6	15.5	15.3	15.1	15	14.8	14.6	14.5
34	14.4	14.7	14.5	14.4	14.2	14.1	13.9	13.7	13.6	13.4	13.2	13.1
36	13.6	13.5	13.3	13.1	13	12.8	12.7	12.5	12.3	12.2	12	11.8
38	12.5	12.4	12.2	12	11.9	11.7	11.6	11.4	11.2	11	10.9	10.7
40		11.3	11.2	11	10.9	10.7	10.6	10.4	10.2	10.1	9.9	9.7
42			10.3	10.1	10	9.9	9.7	9.5	9.4	9.2	9	8.8
44				9.3	9.2	9	8.9	8.7	8.6	8.4	8.2	8
46					8.5	8.3	8.2	8	7.8	7.6	7.5	7.3
48					7.8	7.6	7.5	7.3	7.2	7	6.8	6.6
50						7	6.9	6.7	6.5	6.4	6.2	6
52							6.3	6.1	6	5.8	5.6	5.4
54								5.6	5.5	5.3	5.1	4.9
56								5.1	5	4.8	4.6	4.4
58									4.5	4.3	4.2	4
60										3.9	3.7	3.5
62											3.3	3.1
64											2.9	2.8
66												2.4

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Operation mode and lifting performance——HF1

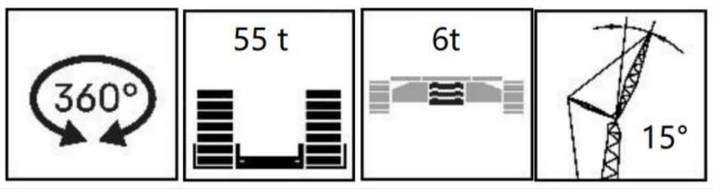


Main boom: 20m ~ 53m; fixed jib: 25m

m	20	23	26	29	32	35	38	41	44	47	50	53
16	18.8	19.1	19.3									
18	17.4	17.8	18.1	18.3	18.5	18.6	18.8	18.8				
20	16.2	16.6	16.9	17.2	17.5	17.7	17.8	18	18.1	18.1	18.2	18.2
22	15.2	15.6	16	16.3	16.5	16.8	17	17.1	17.3	17.4	17.4	17.5
24	14.2	14.7	15.1	15.4	15.7	15.9	16.2	16.4	16.5	16.7	16.8	16.8
26	13.3	13.8	14.2	14.6	14.9	15.2	15.4	15.7	15.9	16	16.1	16.2
28	12.6	13	13.5	13.8	14.2	14.5	14.8	15	15.2	15.4	15.5	15.7
30	11.8	12.3	12.7	13.1	13.5	13.8	14.1	14.4	14.6	14.8	15	15.1
32	11.2	11.7	12.1	12.5	12.9	13.2	13.5	13.8	14.1	14.3	14.5	14.6
34	10.6	11.1	11.5	11.9	12.3	12.6	13	13.2	13.5	13.6	13.5	13.3
36	10.1	10.6	11	11.4	11.8	12.1	12.4	12.7	12.5	12.4	12.2	12
38	9.7	10.1	10.5	10.9	11.3	11.6	11.7	11.6	11.4	11.2	11.1	10.9
40	9.3	9.7	10.1	10.5	10.8	10.9	10.7	10.6	10.4	10.2	10.1	9.9
42	8.9	9.3	9.7	10.1	10.2	10	9.9	9.7	9.5	9.3	9.2	9
44		9	9.4	9.5	9.4	9.2	9.1	8.9	8.7	8.5	8.4	8.2
46		8.7	9	8.8	8.7	8.5	8.3	8.1	8	7.8	7.6	7.4
48			8.3	8.1	8	7.8	7.6	7.5	7.3	7.1	6.9	6.8
50				7.5	7.4	7.2	7	6.8	6.7	6.5	6.3	6.1
52					6.8	6.6	6.5	6.3	6.1	5.9	5.8	5.6
54					6.3	6.1	5.9	5.7	5.6	5.4	5.2	5
56						5.6	5.4	5.2	5.1	4.9	4.7	4.5
58							5	4.8	4.6	4.5	4.3	4.1
60								4.3	4.2	4	3.9	3.7
62									3.8	3.6	3.5	3.3
64									3.4	3.2	3.1	2.9
66										2.9	2.7	2.5
68											2.4	2.2
70												1.9

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Operation mode and lifting performance——HF1

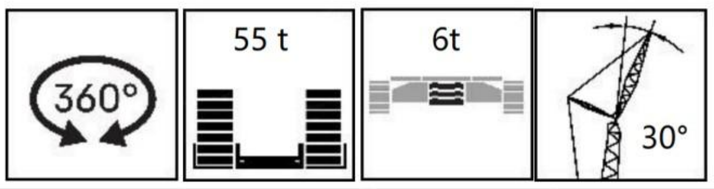


Main boom: 20m ~ 53m; fixed jib: 31m

m	20	23	26	29	32	35	38	41	44	47	50	53
18	13.8											
20	12.7	12.9	13.1	13.3	13.5	13.6						
22	11.8	12	12.2	12.5	12.6	12.8	12.9	13	13.1	13.2	13.2	
24	10.9	11.2	11.4	11.7	11.9	12	12.2	12.3	12.5	12.6	12.6	12.7
26	10.1	10.4	10.7	11	11.2	11.4	11.5	11.7	11.8	12	12.1	12.1
28	9.5	9.8	10.1	10.3	10.5	10.8	11	11.1	11.3	11.4	11.5	11.6
30	8.8	9.2	9.5	9.7	10	10.2	10.4	10.6	10.7	10.9	11	11.1
32	8.3	8.6	8.9	9.2	9.4	9.7	9.9	10.1	10.3	10.4	10.6	10.7
34	7.8	8.1	8.4	8.7	9	9.2	9.4	9.6	9.8	10	10.1	10.2
36	7.3	7.7	8	8.2	8.5	8.7	9	9.2	9.4	9.5	9.7	9.8
38	6.9	7.2	7.5	7.8	8.1	8.3	8.6	8.8	9	9.2	9.3	9.5
40	6.5	6.9	7.2	7.4	7.7	8	8.2	8.4	8.6	8.8	9	9.1
42	6.2	6.5	6.8	7.1	7.3	7.6	7.8	8.1	8.2	8.4	8.6	8.8
44	5.9	6.2	6.5	6.8	7	7.3	7.5	7.7	7.9	8.1	8.3	8.3
46	5.6	5.9	6.2	6.5	6.7	7	7.2	7.4	7.6	7.8	7.7	7.6
48	5.4	5.6	5.9	6.2	6.4	6.7	6.9	7.1	7.3	7.2	7	6.9
50		5.4	5.7	5.9	6.2	6.4	6.6	6.9	6.8	6.6	6.4	6.2
52		5.2	5.5	5.7	5.9	6.2	6.4	6.3	6.2	6	5.8	5.7
54			5.3	5.5	5.7	5.9	6	5.8	5.7	5.5	5.3	5.1
56				5.3	5.5	5.7	5.5	5.3	5.2	5	4.8	4.6
58					5.3	5.2	5	4.8	4.7	4.5	4.3	4.2
60					4.9	4.8	4.6	4.4	4.3	4.1	3.9	3.7
62						4.3	4.2	4	3.9	3.7	3.5	3.3
64							3.8	3.6	3.5	3.3	3.1	2.9
66								3.2	3.1	2.9	2.8	2.6
68									2.8	2.6	2.4	2.2
70									2.4	2.3	2.1	1.9
72										1.9	1.8	1.6

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Operation mode and lifting performance——HF1

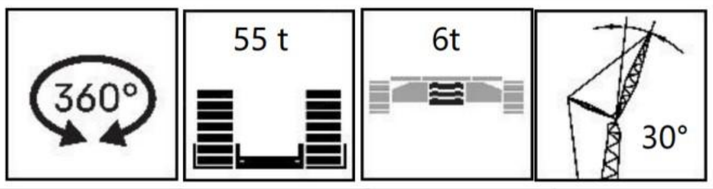


Main boom: 20m ~ 53m; fixed jib: 13m

m	20	23	26	29	32	35	38	41	44	47	50	53
14	34.8	30.3	32.7									
16	32.1	28.6	31.2	31.9	33.7	32.5	31.7	31				
18	29.9	27.1	29.8	30.6	32.1	31	30.3	29.6	29.1	28.5	27.9	27.6
20	28	25.8	28.6	29.5	30.6	29.7	29	28.4	27.9	27.4	27	26.6
22	26.4	24.7	27.1	27	26.9	26.8	26.7	26.6	26.5	26.4	26	25.7
24	24.2	23.7	24	23.8	23.8	23.6	23.5	23.4	23.3	23.2	23.1	23
26	21.6	21.5	21.4	21.2	21.1	21	20.9	20.8	20.7	20.5	20.4	20.3
28	19.3	19.2	19.1	19	18.9	18.8	18.7	18.5	18.4	18.3	18.2	18
30	17.4	17.3	17.2	17.1	17	16.9	16.8	16.6	16.5	16.4	16.2	16.1
32	15.7	15.7	15.6	15.5	15.4	15.2	15.1	15	14.9	14.7	14.6	14.4
34		14.2	14.1	14	14	13.8	13.7	13.5	13.4	13.3	13.1	13
36			12.8	12.7	12.7	12.5	12.4	12.3	12.2	12	11.9	11.7
38				11.6	11.5	11.4	11.3	11.1	11	10.9	10.7	10.6
40				10.5	10.5	10.4	10.3	10.1	10	9.9	9.7	9.6
42					9.6	9.5	9.3	9.2	9.1	9	8.8	8.6
44						8.6	8.5	8.4	8.3	8.1	8	7.8
46							7.7	7.6	7.5	7.4	7.2	7.1
48							7	6.9	6.8	6.7	6.5	6.4
50								6.2	6.2	6	5.9	5.7
52									5.6	5.4	5.3	5.1
54										4.9	4.8	4.6
56											4.2	4.1
58											3.7	3.6
60												3.2

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Operation mode and lifting performance——HF1

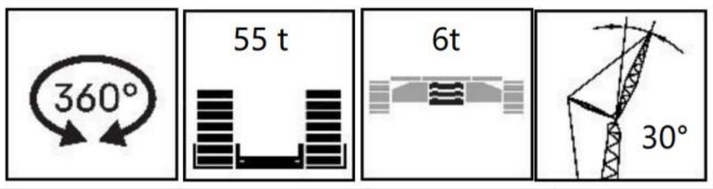


Main boom: 20m ~ 53m; fixed jib: 19m

m	20	23	26	29	32	35	38	41	44	47	50	53
18	19.1	19.3	19.5	19.6								
20	18.1	18.4	18.6	18.8	19	19.1	19.2	19.3				
22	17.2	17.5	17.8	18.1	18.2	18.4	18.6	18.7	18.8	18.8	18.8	18.9
24	16.4	16.8	17.1	17.3	17.6	17.8	17.9	18.1	18.2	18.3	18.4	18.4
26	15.7	16.1	16.4	16.7	16.9	17.2	17.4	17.5	17.7	17.8	17.9	18
28	15	15.4	15.8	16.1	16.4	16.6	16.8	17	17.2	17.3	17.4	17.5
30	14.5	14.9	15.2	15.6	15.9	16.1	16.3	16.6	16.7	16.9	17	16.9
32	14	14.4	14.8	15.1	15.4	15.6	15.8	15.7	15.6	15.5	15.3	15.2
34	13.6	14	14.3	14.6	14.6	14.5	14.4	14.2	14.1	14	13.9	13.7
36	13.4	13.6	13.6	13.4	13.3	13.2	13.1	12.9	12.8	12.7	12.6	12.4
38	12.5	12.5	12.4	12.3	12.2	12.1	11.9	11.8	11.7	11.5	11.4	11.3
40		11.4	11.4	11.2	11.2	11	10.9	10.8	10.6	10.5	10.4	10.2
42			10.4	10.3	10.2	10.1	10	9.8	9.7	9.6	9.4	9.3
44				9.4	9.4	9.3	9.1	9	8.9	8.7	8.6	8.4
46				8.6	8.6	8.5	8.4	8.2	8.1	8	7.8	7.7
48					7.8	7.7	7.6	7.5	7.4	7.2	7.1	6.9
50						7.1	7	6.8	6.7	6.6	6.5	6.3
52							6.3	6.2	6.1	6	5.9	5.7
54							5.7	5.6	5.6	5.4	5.3	5.1
56								5.1	5	4.9	4.8	4.6
58									4.5	4.4	4.3	4.1
60										3.9	3.8	3.7
62											3.4	3.2
64											3	2.8
66												2.4

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Operation mode and lifting performance——HF1

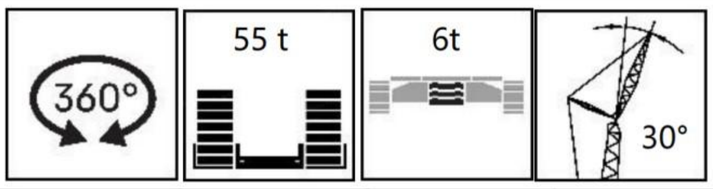


Main boom: 20m ~ 53m; fixed jib: 25m

m	20	23	26	29	32	35	38	41	44	47	50	53
22	13	13.2	13.3	13.4								
24	12.3	12.5	12.7	12.8	12.9	13	13.1	13.2	13.3			
26	11.7	11.9	12.1	12.3	12.4	12.5	12.7	12.7	12.8	12.9	12.9	13
28	11.1	11.4	11.6	11.8	11.9	12.1	12.2	12.3	12.4	12.5	12.6	12.6
30	10.6	10.9	11.1	11.3	11.5	11.6	11.8	11.9	12	12.1	12.2	12.3
32	10.2	10.4	10.7	10.9	11.1	11.2	11.4	11.5	11.7	11.8	11.9	11.9
34	9.8	10	10.3	10.5	10.7	10.9	11	11.2	11.3	11.4	11.5	11.6
36	9.4	9.7	9.9	10.2	10.4	10.5	10.7	10.9	11	11.1	11.2	11.3
38	9.1	9.4	9.6	9.8	10	10.2	10.4	10.6	10.7	10.8	11	11.1
40	8.9	9.1	9.3	9.6	9.8	9.9	10.1	10.3	10.4	10.6	10.7	10.6
42	8.7	8.9	9.1	9.3	9.5	9.7	9.9	10	10.1	9.9	9.8	9.7
44	8.6	8.7	8.9	9.1	9.3	9.5	9.5	9.3	9.2	9.1	8.9	8.8
46		8.6	8.7	8.9	9	8.8	8.7	8.5	8.4	8.3	8.1	8
48			8.4	8.3	8.2	8.1	8	7.8	7.7	7.6	7.4	7.3
50				7.6	7.6	7.4	7.3	7.2	7.1	6.9	6.8	6.6
52				6.9	6.9	6.8	6.7	6.5	6.4	6.3	6.2	6
54					6.3	6.2	6.1	6	5.9	5.7	5.6	5.4
56						5.7	5.6	5.4	5.3	5.2	5.1	4.9
58							5.1	4.9	4.8	4.7	4.6	4.4
60							4.5	4.4	4.4	4.2	4.1	3.9
62								4	3.9	3.8	3.7	3.5
64									3.5	3.4	3.2	3.1
66										3	2.8	2.7
68											2.5	2.3
70											2.1	2

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Operation mode and lifting performance——HF1



Main boom: 20m ~ 53m; fixed jib: 31m

m	20	23	26	29	32	35	38	41	44	47	50	53
26	8.6	8.7	8.8	8.9								
28	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.7	8.8			
30	7.6	7.8	7.9	8	8.1	8.2	8.3	8.4	8.5	8.5	8.5	8.6
32	7.2	7.4	7.5	7.7	7.8	7.9	8	8.1	8.1	8.2	8.3	8.3
34	6.9	7	7.2	7.3	7.5	7.6	7.7	7.8	7.9	7.9	8	8
36	6.5	6.7	6.9	7	7.2	7.3	7.4	7.5	7.6	7.7	7.7	7.8
38	6.2	6.4	6.6	6.7	6.9	7	7.1	7.2	7.3	7.4	7.5	7.6
40	5.9	6.1	6.3	6.5	6.6	6.8	6.9	7	7.1	7.2	7.3	7.3
42	5.7	5.9	6.1	6.2	6.4	6.5	6.6	6.8	6.9	7	7.1	7.1
44	5.5	5.7	5.8	6	6.2	6.3	6.4	6.5	6.7	6.8	6.9	6.9
46	5.3	5.5	5.6	5.8	5.9	6.1	6.2	6.4	6.5	6.6	6.7	6.8
48	5.2	5.3	5.5	5.6	5.8	5.9	6	6.2	6.3	6.4	6.5	6.6
50	5.2	5.2	5.3	5.5	5.6	5.7	5.9	6	6.1	6.2	6.3	6.4
52		5.2	5.2	5.3	5.5	5.6	5.7	5.8	5.9	6.1	6.2	6.2
54			5.2	5.2	5.3	5.5	5.6	5.7	5.8	5.9	5.8	5.7
56				5.2	5.2	5.3	5.4	5.6	5.6	5.4	5.3	5.1
58				5.2	5.2	5.3	5.3	5.2	5	4.9	4.8	4.6
60					5	4.9	4.8	4.7	4.6	4.4	4.3	4.1
62						4.4	4.3	4.2	4.1	4	3.8	3.7
64							3.9	3.8	3.7	3.6	3.4	3.3
66							3.4	3.4	3.3	3.2	3	2.9
68								2.9	2.9	2.8	2.7	2.5
70									2.5	2.4	2.3	2.1
72										2	1.9	1.8

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Operation mode and lifting performance——HF2

Main boom combination									
Main boom length (m)	Code								
	Main boom butt 9m	Main boom insert 3mA	Main boom insert 6mA	Main boom insert 12mA	Main boom transition section 6m	Main boom insert 3mB	Main boom insert 6mB	Main boom insert 12mB	Main boom top 5m
29	1	1	1	0	1	0	0	0	1
32	1	0	0	1	1	0	0	0	1
35	1	1	0	1	1	0	0	0	1
38	1	0	1	1	1	0	0	0	1
41	1	1	1	1	1	0	0	0	1
44	1	0	0	2	1	0	0	0	1
47	1	1	0	2	1	0	0	0	1
50	1	0	1	2	1	0	0	0	1
53	1	1	1	2	1	0	0	0	1
56	1	1	1	2	1	1	0	0	1
59	1	1	1	2	1	0	1	0	1
62	1	1	1	2	1	1	1	0	1
65	1	1	1	2	1	0	0	1	1

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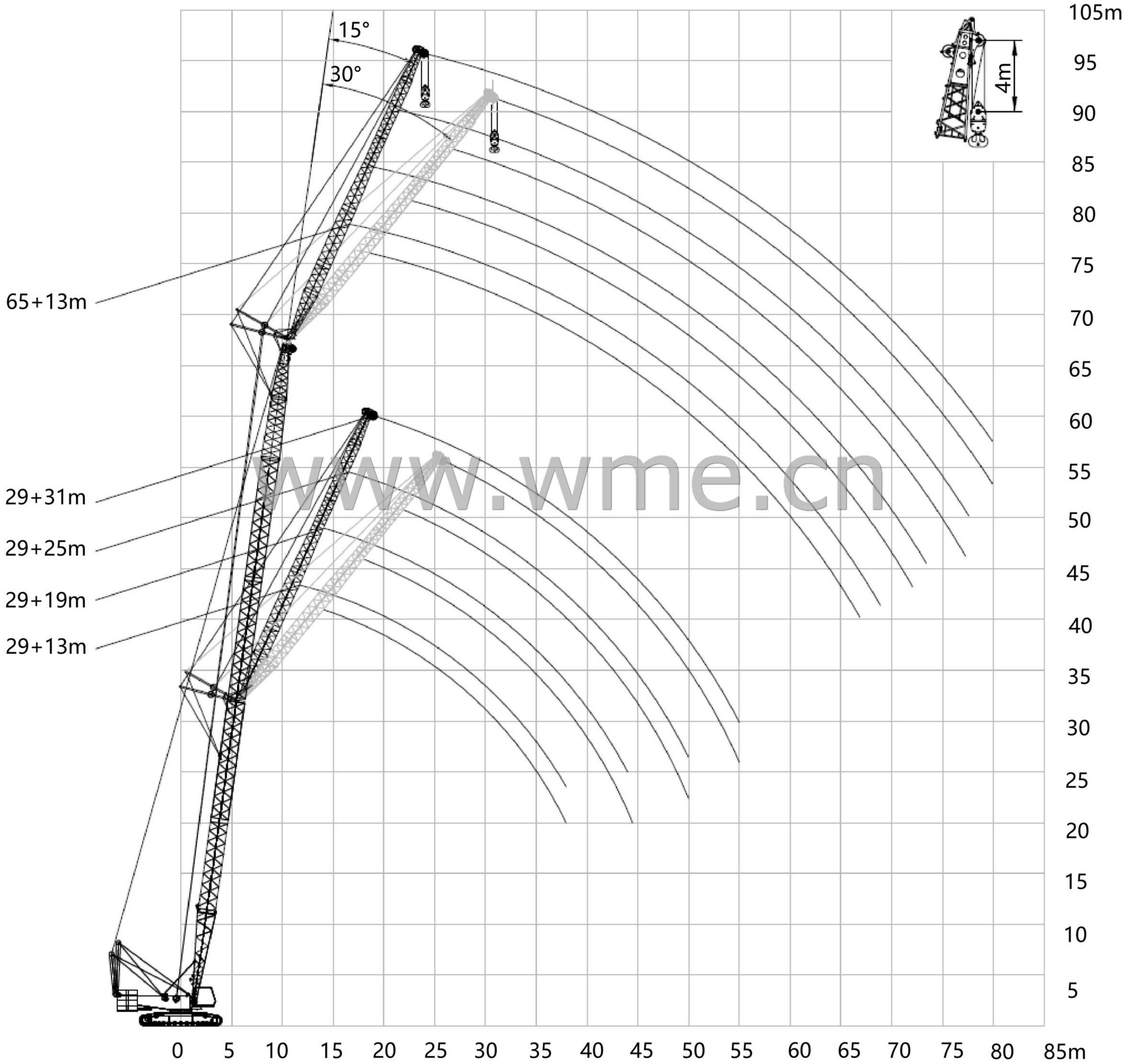
Light duty fixed jib combination			
Jib length (m)	Code		
	Jib butt 6m	Main boom insert 6m	Jib top 7m
13	1	0	1
19	1	1	1
25	1	2	1
31	1	3	1

1. Tower jib rear pendants need to be removed from main boom sections. Tower jib guide pulley needs to be installed on main boom top.

2. When main boom and jib combination length exceeds 71m, it is suggested to use wedge block to assist boom raising.

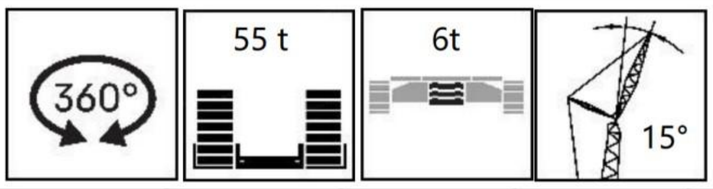
3. When using fixing jib F13, the fixed jib must use the hook with weight not less 2.2t.

Operation mode and lifting performance——HF2



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Operation mode and lifting performance——HF2

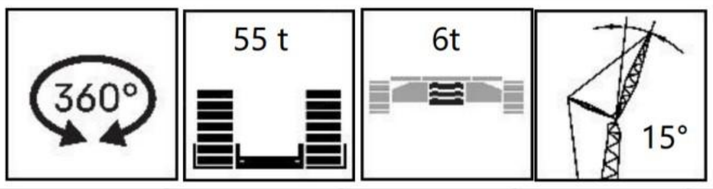


Main boom: 29m ~ 65m; fixed jib: 13m

m	29	32	35	38	41	44	47	50	53	56	59	62	65
12	26	26											
14	26	26	26	26	26	26							
16	25	25.3	25.4	25.5	25.6	25.6	25.6	25.6	25.4				
18	23.1	23.9	24.7	24.9	25	25	25.1	25.1	24.9	16.6	16.2	16.1	16.1
20	21.4	22.2	23	23.7	24.4	24.5	24.7	24.6	24.5	15.8	15.4	15.3	15.4
22	20	20.8	21.5	22.2	22.9	23.5	24.2	24.2	24.1	15	14.7	14.7	14.7
24	18.7	19.5	20.2	20.9	21.6	22.2	23.1	23	22.9	14.4	14	14.1	14.1
26	17.7	18.4	19.1	19.8	20.4	20.8	20.6	20.5	20.3	13.8	13.5	13.5	13.5
28	16.7	17.4	18.1	18.8	18.8	18.7	18.5	18.3	18.1	13.2	12.9	13	13
30	15.9	16.6	17.2	17.1	17	16.8	16.7	16.5	16.3	12.7	12.5	12.5	12.6
32	15.1	15.8	15.7	15.6	15.4	15.3	15.1	14.9	14.7	12.3	12	12.1	12.1
34	14.5	14.6	14.4	14.2	14	13.9	13.7	13.5	13.4	11.8	11.6	11.7	11.7
36	13.4	13.4	13.2	13	12.8	12.7	12.5	12.3	12.2	11.4	11.2	11.3	11.4
38	12.4	12.3	12.1	11.9	11.8	11.6	11.4	11.3	11.1	11	10.9	10.7	10.7
40		11.3	11.1	11	10.8	10.7	10.5	10.3	10.1	10	9.9	9.8	9.7
42			10.3	10.1	9.9	9.8	9.6	9.5	9.3	9.2	9.1	8.9	8.9
44			9.5	9.3	9.2	9	8.8	8.7	8.5	8.4	8.3	8.1	8.1
46				8.6	8.4	8.3	8.1	8	7.8	7.7	7.6	7.4	7.4
48					7.8	7.7	7.5	7.3	7.1	7	6.9	6.8	6.7
50						7.1	6.9	6.7	6.5	6.4	6.3	6.2	6.1
52							6.3	6.2	6	5.9	5.8	5.6	5.6
54							5.8	5.7	5.5	5.4	5.3	5.1	5.1
56								5.2	5	4.9	4.8	4.7	4.6
58									4.6	4.5	4.4	4.2	4.2
60										4.1	4	3.8	3.8
62										3.7	3.6	3.5	3.4
64											3.2	3.1	3.1
66												2.8	2.7
68													2.4

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Operation mode and lifting performance——HF2

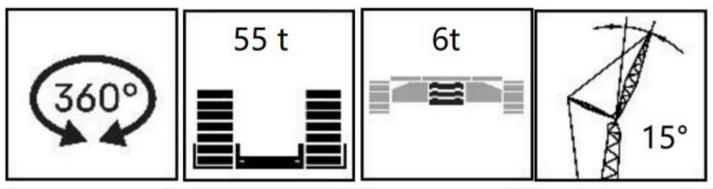


Main boom: 29m ~ 65m; fixed jib: 19m

m	29	32	35	38	41	44	47	50	53	56	59	62	65
16	18.5	18.6	18.7	18.8									
18	17.9	18	18.1	18.2	18.3	18.3	18.4	18.4					
20	17.1	17.4	17.6	17.7	17.8	17.8	18	18	17.9	11.7	11.4	11.3	
22	16	16.5	16.9	17.2	17.3	17.4	17.5	17.6	17.5	11.1	10.8	10.8	10.8
24	15	15.5	15.9	16.4	16.8	17	17.1	17.2	17.2	10.7	10.4	10.3	10.4
26	14.1	14.6	15.1	15.5	15.9	16.3	16.7	16.8	16.8	10.2	9.9	9.9	10
28	13.4	13.8	14.3	14.7	15.1	15.5	16.1	16.4	16.5	9.8	9.5	9.5	9.6
30	12.7	13.1	13.6	14	14.4	14.8	15.3	15.7	15.9	9.4	9.2	9.2	9.2
32	12.1	12.5	13	13.4	13.8	14.1	14.7	15	15.2	9.1	8.9	8.9	8.9
34	11.5	12	12.4	12.8	13.2	13.6	14.1	14	13.9	8.7	8.5	8.6	8.6
36	11	11.5	11.9	12.3	12.7	13	13	12.8	12.6	8.4	8.3	8.3	8.3
38	10.6	11	11.4	11.8	12.2	12.1	11.9	11.7	11.5	8.2	8	8	8.1
40	10.2	10.6	11	11.4	11.2	11.1	10.9	10.8	10.6	7.9	7.8	7.8	7.8
42	9.9	10.2	10.6	10.5	10.4	10.2	10	9.9	9.7	7.7	7.5	7.6	7.6
44	9.5	9.9	9.9	9.8	9.6	9.4	9.3	9.1	8.9	7.5	7.3	7.4	7.4
46		9.4	9.2	9	8.9	8.7	8.5	8.4	8.2	7.3	7.1	7.2	7.2
48			8.5	8.4	8.2	8.1	7.9	7.7	7.5	7.1	6.9	7	7
50			7.9	7.8	7.6	7.5	7.3	7.1	6.9	6.8	6.7	6.6	6.5
52				7.2	7	6.9	6.7	6.6	6.4	6.3	6.2	6	6
54					6.5	6.4	6.2	6	5.9	5.7	5.7	5.5	5.5
56						5.9	5.7	5.6	5.4	5.3	5.2	5	5
58							5.3	5.1	4.9	4.8	4.7	4.6	4.5
60							4.9	4.7	4.5	4.4	4.3	4.2	4.1
62								4.3	4.1	4	3.9	3.8	3.7
64									3.7	3.7	3.6	3.4	3.4
66										3.3	3.2	3.1	3
68										3	2.9	2.8	2.7
70											2.6	2.5	2.4
72												2.2	2.1
74													1.8

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Operation mode and lifting performance——HF2

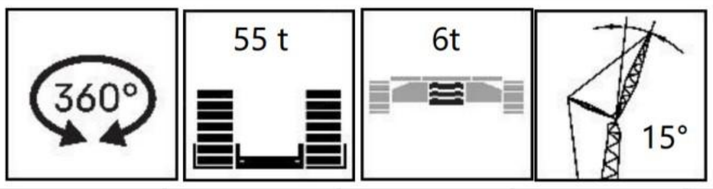


Main boom: 29m ~ 65m; fixed jib: 25m

m	29	32	35	38	41	44	47	50	53	56	59	62	65
18	13.3	13.4	13.5										
20	12.9	13	13	13.1	13.1	13.1	13.1						
22	12.4	12.5	12.6	12.7	12.8	12.8	12.8	12.7	12.6	9	8.7		
24	12	12.1	12.2	12.3	12.4	12.5	12.5	12.5	12.4	8.6	8.3	8.3	8.3
26	11.6	11.7	11.8	12	12.1	12.2	12.3	12.3	12.2	8.2	8	8	8
28	11.2	11.3	11.5	11.6	11.7	11.8	12	12	12	7.9	7.7	7.7	7.7
30	10.8	11	11.2	11.3	11.4	11.5	11.7	11.7	11.8	7.6	7.4	7.4	7.4
32	10.5	10.7	10.9	11	11.1	11.3	11.4	11.5	11.5	7.3	7.1	7.1	7.1
34	10	10.4	10.6	10.7	10.9	11	11.1	11.2	11.3	7	6.8	6.8	6.9
36	9.6	9.9	10.2	10.5	10.6	10.7	10.9	11	11	6.8	6.6	6.6	6.6
38	9.2	9.5	9.8	10.1	10.4	10.5	10.6	10.8	10.8	6.5	6.4	6.4	6.4
40	8.8	9.1	9.4	9.7	10	10.3	10.4	10.5	10.6	6.3	6.2	6.2	6.2
42	8.5	8.8	9.1	9.4	9.7	9.9	10.2	10.2	10	6.1	6	6	6
44	8.2	8.5	8.8	9	9.3	9.6	9.6	9.4	9.2	5.9	5.8	5.8	5.8
46	7.9	8.2	8.5	8.7	9	9	8.8	8.7	8.5	5.7	5.6	5.6	5.7
48	7.7	7.9	8.2	8.5	8.5	8.4	8.2	8	7.8	5.6	5.5	5.5	5.5
50	7.4	7.7	8	8.1	7.9	7.8	7.6	7.4	7.2	5.4	5.3	5.3	5.4
52		7.5	7.7	7.5	7.3	7.2	7	6.8	6.7	5.3	5.2	5.2	5.2
54			7.1	7	6.8	6.7	6.5	6.3	6.1	5.2	5	5.1	5.1
56			6.6	6.5	6.3	6.2	6	5.9	5.7	5	4.9	5	5
58				6	5.9	5.7	5.6	5.4	5.2	4.9	4.8	4.8	4.8
60					5.4	5.3	5.1	5	4.8	4.7	4.6	4.4	4.4
62						4.9	4.8	4.6	4.4	4.3	4.2	4.1	4
64							4.4	4.2	4	3.9	3.8	3.7	3.6
66							4	3.9	3.7	3.6	3.5	3.3	3.3
68								3.5	3.4	3.3	3.2	3	3
70									3	2.9	2.9	2.7	2.7
72										2.6	2.6	2.4	2.4
74											2.3	2.1	2.1
76											2	1.9	1.8
78												1.6	1.6

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Operation mode and lifting performance——HF2

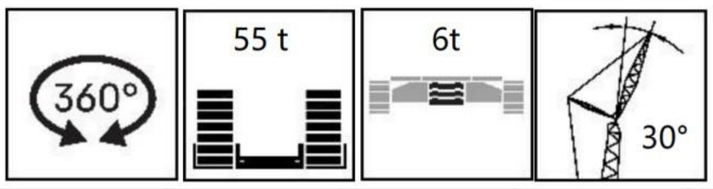


Main boom: 29m ~ 65m; fixed jib: 31m

m	29	32	35	38	41	44	47	50	53	56	59	62	65
20	9.2	9.2											
22	8.8	8.9	8.9	9	9	9							
24	8.5	8.6	8.6	8.7	8.7	8.7	8.8	8.8	8.7	7.3			
26	8.2	8.3	8.4	8.4	8.5	8.5	8.5	8.6	8.5	6.9	6.7	6.7	6.7
28	7.9	8	8.1	8.2	8.2	8.3	8.3	8.4	8.3	6.6	6.4	6.4	6.4
30	7.7	7.7	7.8	7.9	8	8	8.1	8.1	8.1	6.4	6.2	6.2	6.2
32	7.4	7.5	7.6	7.7	7.8	7.8	7.9	7.9	7.9	6.1	5.9	5.9	5.9
34	7.2	7.3	7.4	7.5	7.5	7.6	7.7	7.8	7.8	5.9	5.7	5.7	5.7
36	6.9	7	7.2	7.3	7.3	7.4	7.5	7.6	7.6	5.6	5.5	5.5	5.5
38	6.7	6.8	6.9	7.1	7.2	7.2	7.3	7.4	7.4	5.4	5.3	5.3	5.3
40	6.5	6.6	6.8	6.9	7	7	7.1	7.2	7.3	5.3	5.1	5.1	5.1
42	6.3	6.5	6.6	6.7	6.8	6.9	7	7.1	7.1	5.1	4.9	4.9	5
44	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.9	4.9	4.8	4.8	4.8
46	6	6.1	6.2	6.4	6.5	6.6	6.7	6.7	6.8	4.7	4.6	4.6	4.7
48	5.9	6	6.1	6.2	6.3	6.4	6.5	6.6	6.7	4.6	4.5	4.5	4.5
50	5.7	5.9	6	6.1	6.2	6.3	6.4	6.5	6.5	4.5	4.3	4.4	4.4
52	5.6	5.7	5.8	6	6.1	6.1	6.3	6.3	6.4	4.3	4.2	4.2	4.3
54	5.5	5.6	5.7	5.8	5.9	6	6.1	6.2	6.3	4.2	4.1	4.1	4.2
56	5.4	5.5	5.6	5.7	5.8	5.9	6	6.1	5.9	4.1	4	4	4
58		5.4	5.5	5.6	5.7	5.8	5.8	5.6	5.4	4	3.9	3.9	3.9
60			5.4	5.5	5.6	5.5	5.4	5.2	5	3.9	3.8	3.8	3.8
62				5.4	5.3	5.1	5	4.8	4.6	3.8	3.7	3.7	3.8
64				5.1	4.9	4.8	4.6	4.4	4.3	3.7	3.6	3.6	3.7
66					4.5	4.4	4.3	4.1	3.9	3.6	3.5	3.5	3.5
68						4.1	3.9	3.8	3.6	3.5	3.4	3.2	3.2
70							3.6	3.4	3.3	3.2	3.1	2.9	2.8
72								3.1	3	2.9	2.8	2.6	2.6
74								2.9	2.7	2.6	2.5	2.3	2.3
76									2.4	2.3	2.2	2.1	2
78										2.1	2	1.8	1.8
80											1.7	1.6	1.5

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Operation mode and lifting performance——HF2

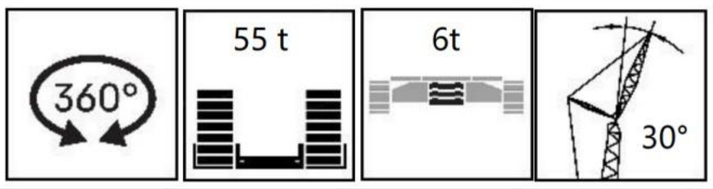


Main boom: 29m ~ 65m; fixed jib: 13m

m	29	32	35	38	41	44	47	50	53	56	59	62	65
16	15.8	16.1	16.3	16.5									
18	14.9	15.2	15.5	15.7	15.9	16.1	16.5	16.7					
20	14.2	14.5	14.7	15	15.2	15.4	15.9	16	16	12.5	12.1	12	12
22	13.5	13.8	14.1	14.4	14.6	14.8	15.2	15.4	15.4	12.1	11.7	11.7	11.6
24	12.9	13.2	13.5	13.8	14	14.3	14.7	14.9	14.9	11.7	11.3	11.3	11.3
26	12.4	12.7	13	13.3	13.5	13.8	14.2	14.4	14.4	11.3	11	11	10.9
28	11.9	12.2	12.5	12.8	13.1	13.3	13.7	13.9	14	11	10.7	10.6	10.6
30	11.5	11.8	12.1	12.4	12.6	12.9	13.3	13.5	13.6	10.7	10.4	10.4	10.4
32	11.1	11.4	11.7	12	12.3	12.5	12.9	13.1	13.2	10.4	10.1	10.1	10.1
34	10.8	11.1	11.4	11.7	11.9	12.2	12.5	12.8	12.8	10.1	9.8	9.8	9.9
36	10.6	10.8	11.1	11.4	11.6	11.8	12.2	12.4	12.5	9.9	9.6	9.6	9.6
38	10.4	10.6	10.8	11.1	11.3	11.6	11.7	11.6	11.4	9.6	9.4	9.4	9.4
40		10.4	10.6	10.8	11	10.9	10.8	10.6	10.4	9.4	9.2	9.2	9.2
42		10.3	10.4	10.3	10.1	10	9.9	9.7	9.5	9.2	9	9	9
44			9.6	9.5	9.3	9.2	9.1	8.9	8.7	8.6	8.6	8.4	8.4
46				8.7	8.6	8.5	8.3	8.2	8	7.9	7.9	7.7	7.7
48					7.9	7.8	7.6	7.5	7.3	7.2	7.2	7	7
50						7.2	7	6.9	6.7	6.6	6.6	6.4	6.4
52						6.6	6.4	6.3	6.1	6.1	6	5.9	5.8
54							5.9	5.8	5.6	5.5	5.5	5.3	5.3
56								5.3	5.1	5	5	4.8	4.8
58									4.6	4.6	4.5	4.4	4.4
60									4.2	4.1	4.1	4	3.9
62										3.7	3.7	3.6	3.5
64											3.3	3.2	3.2
66												2.8	2.8

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Operation mode and lifting performance——HF2

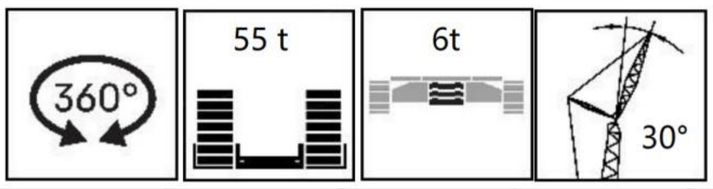


Main boom: 29m ~ 65m; fixed jib: 19m

m	29	32	35	38	41	44	47	50	53	56	59	62	65
20	11.1	11.2	11.3	11.5									
22	10.5	10.7	10.8	11	11.1	11.2	11.5	11.6					
24	10	10.2	10.4	10.5	10.7	10.8	11.1	11.2	11.2	8.5	8.2	8.2	
26	9.6	9.8	10	10.1	10.3	10.4	10.7	10.8	10.8	8.2	8	7.9	7.9
28	9.2	9.4	9.6	9.8	9.9	10.1	10.3	10.5	10.4	8	7.7	7.7	7.7
30	8.9	9.1	9.2	9.4	9.6	9.7	10	10.1	10.1	7.7	7.5	7.5	7.5
32	8.5	8.7	8.9	9.1	9.3	9.4	9.7	9.8	9.8	7.5	7.3	7.3	7.3
34	8.3	8.5	8.7	8.8	9	9.2	9.4	9.6	9.6	7.3	7.1	7.1	7.1
36	8	8.2	8.4	8.6	8.7	8.9	9.1	9.3	9.3	7.1	6.9	6.9	6.9
38	7.8	8	8.2	8.3	8.5	8.7	8.9	9.1	9.1	7	6.8	6.8	6.8
40	7.6	7.8	8	8.1	8.3	8.4	8.7	8.8	8.9	6.8	6.6	6.6	6.6
42	7.5	7.6	7.8	7.9	8.1	8.3	8.5	8.6	8.7	6.7	6.5	6.5	6.5
44	7.4	7.5	7.6	7.8	7.9	8.1	8.3	8.4	8.5	6.5	6.3	6.3	6.3
46		7.4	7.5	7.6	7.8	7.9	8.1	8.3	8.3	6.4	6.2	6.2	6.2
48		7.3	7.4	7.5	7.6	7.8	8	8	7.9	6.3	6.1	6.1	6.1
50			7.3	7.4	7.5	7.6	7.5	7.4	7.2	6.2	6	6	6
52				7.3	7.2	7.1	6.9	6.8	6.6	6.1	5.9	5.9	5.9
54					6.6	6.5	6.4	6.3	6.1	6	5.8	5.8	5.8
56						6	5.9	5.7	5.6	5.5	5.4	5.3	5.3
58						5.5	5.4	5.3	5.1	5	5	4.8	4.8
60							4.9	4.8	4.7	4.6	4.5	4.4	4.4
62								4.4	4.2	4.2	4.1	4	4
64									3.8	3.8	3.7	3.6	3.6
66									3.5	3.4	3.4	3.2	3.2
68										3.1	3	2.9	2.9
70											2.7	2.6	2.5
72												2.2	2.2

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Operation mode and lifting performance——HF2

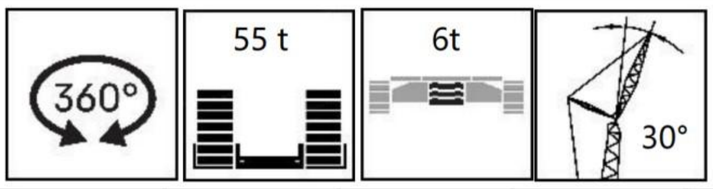


Main boom: 29m ~ 65m; fixed jib: 25m

m	29	32	35	38	41	44	47	50	53	56	59	62	65
24	8.6	8.7	8.8	8.9									
26	8.2	8.3	8.4	8.5	8.6	8.7	8.9	9					
28	7.8	8	8.1	8.2	8.3	8.4	8.6	8.7	8.7	6.3	6.1	6	
30	7.5	7.7	7.8	7.9	8	8.1	8.3	8.4	8.4	6.1	5.9	5.9	5.9
32	7.2	7.4	7.5	7.6	7.7	7.8	8.1	8.1	8.1	5.9	5.7	5.7	5.7
34	7	7.1	7.2	7.4	7.5	7.6	7.8	7.9	7.9	5.8	5.6	5.5	5.5
36	6.7	6.9	7	7.1	7.3	7.4	7.6	7.7	7.7	5.6	5.4	5.4	5.4
38	6.5	6.7	6.8	6.9	7.1	7.2	7.4	7.5	7.5	5.5	5.3	5.3	5.3
40	6.3	6.5	6.6	6.7	6.9	7	7.2	7.3	7.3	5.3	5.1	5.1	5.1
42	6.1	6.3	6.4	6.6	6.7	6.8	7	7.1	7.1	5.2	5	5	5
44	6	6.1	6.3	6.4	6.5	6.6	6.8	6.9	6.9	5.1	4.9	4.9	4.9
46	5.9	6	6.1	6.2	6.4	6.5	6.6	6.8	6.8	5	4.8	4.8	4.8
48	5.7	5.9	6	6.1	6.2	6.3	6.5	6.6	6.6	4.8	4.7	4.7	4.7
50	5.7	5.8	5.9	6	6.1	6.2	6.4	6.5	6.5	4.7	4.6	4.6	4.6
52		5.7	5.8	5.9	6	6.1	6.2	6.3	6.4	4.7	4.5	4.5	4.5
54		5.6	5.7	5.8	5.9	6	6.1	6.2	6.3	4.6	4.4	4.4	4.4
56			5.6	5.7	5.8	5.9	6	6.1	6	4.5	4.4	4.4	4.4
58				5.6	5.7	5.8	5.8	5.7	5.5	4.4	4.3	4.3	4.3
60					5.6	5.5	5.4	5.2	5.1	4.4	4.2	4.2	4.2
62						5.1	4.9	4.8	4.6	4.3	4.2	4.2	4.2
64						4.6	4.5	4.4	4.2	4.2	4.1	4	3.9
66							4.1	4	3.9	3.8	3.7	3.6	3.6
68								3.6	3.5	3.4	3.4	3.3	3.2
70									3.2	3.1	3	2.9	2.9
72									2.8	2.8	2.7	2.6	2.6
74										2.5	2.4	2.3	2.3
76											2.1	2	2
78												1.7	1.7

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Operation mode and lifting performance——HF2



Main boom: 29m ~ 65m; fixed jib: 31m

m	29	32	35	38	41	44	47	50	53	56	59	62	65
28	6.9	7	7	7									
30	6.7	6.8	6.8	6.9	6.9	6.9	7	7	6.9				
32	6.5	6.6	6.6	6.7	6.7	6.8	6.8	6.8	6.8	4.9	4.7	4.7	4.7
34	6.2	6.3	6.4	6.5	6.6	6.6	6.7	6.7	6.7	4.7	4.5	4.5	4.5
36	6	6.1	6.2	6.3	6.4	6.5	6.5	6.6	6.6	4.6	4.4	4.4	4.4
38	5.8	5.9	6	6.1	6.2	6.3	6.4	6.4	6.4	4.4	4.3	4.3	4.3
40	5.6	5.7	5.8	5.9	6	6.1	6.2	6.3	6.3	4.3	4.2	4.2	4.2
42	5.4	5.5	5.6	5.7	5.8	5.9	6.1	6.2	6.2	4.2	4.1	4	4.1
44	5.2	5.4	5.5	5.6	5.7	5.8	5.9	6	6	4.1	4	3.9	3.9
46	5.1	5.2	5.3	5.4	5.5	5.6	5.8	5.8	5.9	4	3.9	3.9	3.9
48	5	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.7	3.9	3.8	3.8	3.8
50	4.8	4.9	5	5.1	5.2	5.3	5.5	5.6	5.6	3.8	3.7	3.7	3.7
52	4.7	4.8	4.9	5	5.1	5.2	5.4	5.4	5.5	3.7	3.6	3.6	3.6
54	4.6	4.7	4.8	4.9	5	5.1	5.2	5.3	5.4	3.6	3.5	3.5	3.5
56	4.6	4.6	4.7	4.8	4.9	5	5.1	5.2	5.2	3.6	3.5	3.5	3.5
58		4.6	4.7	4.7	4.8	4.9	5	5.1	5.1	3.5	3.4	3.4	3.4
60		4.5	4.6	4.7	4.7	4.8	4.9	5	5.1	3.4	3.3	3.3	3.3
62			4.5	4.6	4.7	4.7	4.9	4.9	5	3.4	3.3	3.3	3.3
64				4.6	4.6	4.7	4.8	4.7	4.6	3.3	3.2	3.2	3.2
66					4.6	4.6	4.5	4.3	4.2	3.3	3.2	3.2	3.2
68						4.2	4.1	4	3.8	3.2	3.1	3.1	3.1
70						3.9	3.8	3.6	3.5	3.2	3.1	3.1	3.1
72							3.4	3.3	3.2	3.1	3	2.9	2.9
74								3	2.9	2.8	2.7	2.6	2.6
76									2.6	2.5	2.4	2.3	2.3
78									2.3	2.2	2.1	2	2
80										1.9	1.9	1.8	1.7

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Operation mode and lifting performance——HW

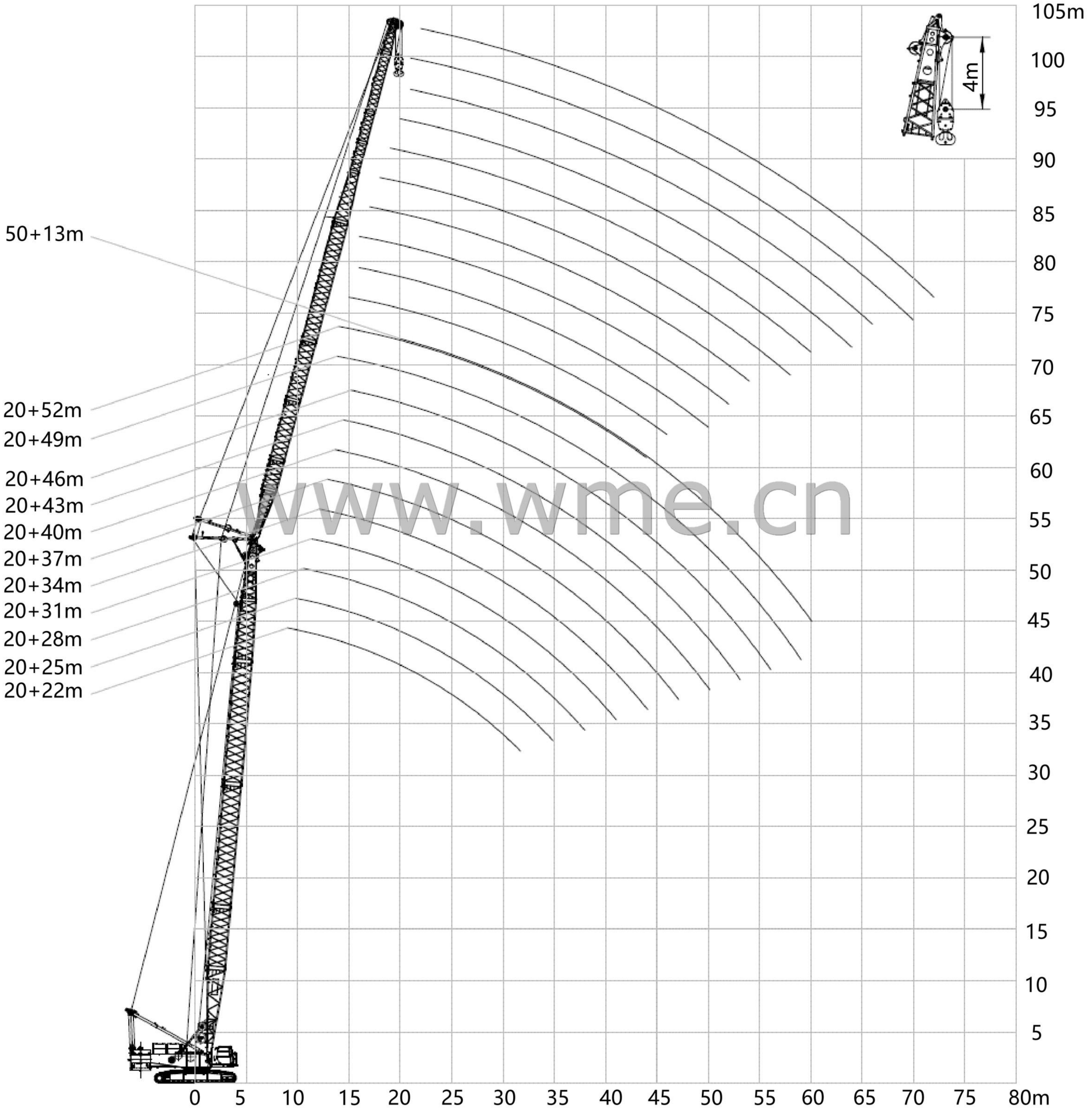
Main boom combination						
Main boom length (m)	Code					
	Main boom butt 9m	Main boom insert 3mA	Main boom insert 6mA	Main boom insert 12mA	Main boom transition section 6m	Main boom top 5m
20	1	0	0	0	1	1
23	1	1	0	0	1	1
26	1	0	1	0	1	1
29	1	1	1	0	1	1
32	1	0	0	1	1	1
35	1	1	0	1	1	1
38	1	0	1	1	1	1
41	1	1	1	1	1	1
44	1	0	0	2	1	1
47	1	1	0	2	1	1
50	1	0	1	2	1	1
53	1	1	1	2	1	1

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Jib combination								
Jib length (m)	Code							
	Jib butt 5m	Jib insert 3mB	Jib insert 6mB	Jib insert 12mB	Jib transition section 5m	Jib insert 3mC	Jib insert 6mC	Jib top 3m
22	1	1	1	0	1	0	0	1
25	1	0	0	1	1	0	0	1
28	1	1	0	1	1	0	0	1
31	1	0	1	1	1	0	0	1
34	1	1	1	1	1	0	0	1
37	1	0	2	1	1	0	0	1
40	1	1	2	1	1	0	0	1
*43	1	1	2	1	1	1	0	1
*46	1	1	2	1	1	0	1	1
*49	1	1	2	1	1	1	1	1
*52	1	1	2	1	1	2	1	1

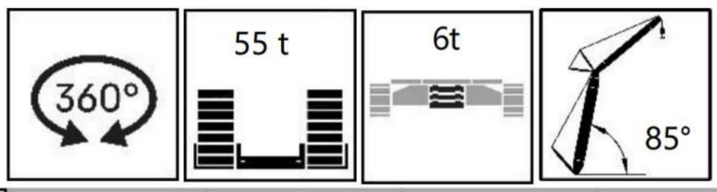
Note: 1. Tower jib lengths with "*" need to use center hitch.
2. Tower jib rear pendants need to be installed on main boom sections. Tower jib guide pulley needs to be installed on main boom transition section.
3. When main boom and jib combination length exceeds 71m, it is suggested to use wedge to assist boom raising.

Operation mode and lifting performance——HW



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Operation mode and lifting performance——HW



Main boom: 20m, tower jib: 22~52m

m	22	25	28	31	34	37	40	43	46	49	52
11	45.0										
12	43.4	41.0									
13	39.8	38.9	36.5								
14	36.5	35.8	34.9	32.8							
15	33.5	32.9	32.1	31.3	29.5						
16	30.7	30.3	29.6	28.9	28.2	26.7					
17	28.2	28.0	27.4	26.8	26.1	25.5	24.1				
18	25.5	26.0	25.4	24.9	24.3	23.7	23.0	14.3	15.4		
19	23.2	24.0	23.6	23.2	22.6	22.2	21.5	13.2	14.2	13.1	
20	21.0	22.2	21.9	21.6	21.1	20.7	20.1	12.2	13.2	12.7	10.0
22	17.3	18.7	19.1	18.9	18.4	18.0	17.5	10.5	11.4	11.9	9.5
24	13.7	15.7	16.6	16.5	16.2	15.8	15.4	9.1	10.0	10.4	9.0
26		13.0	14.2	14.6	14.3	14.1	13.7	7.9	8.7	9.1	8.5
28			12.1	12.9	12.8	12.5	12.2	6.9	7.7	8.1	8.1
30			9.9	11.1	11.4	11.2	11.0	6.0	6.8	7.1	7.3
32				9.4	10.2	10.1	9.9	5.2	6.1	6.3	6.5
34					8.8	9.1	8.9	4.5	5.4	5.6	5.8
36					7.3	8.1	8.0	3.9	4.7	5.0	5.2
38						6.9	7.2	3.3	4.1	4.5	4.6
40							6.5	2.8	3.6	4.0	4.1
42							5.2	2.3	3.0	3.5	3.6
44								1.8	2.4	3.0	3.2
46									1.9	2.6	2.8
48										2.1	2.4
50										1.6	2.0
52											1.6

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Operation mode and lifting performance——HW

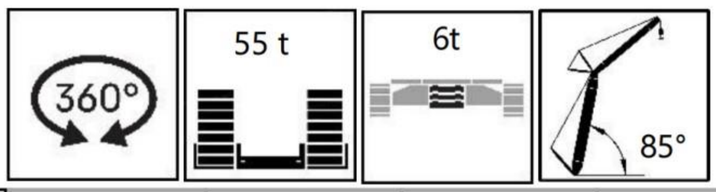


Main boom: 32m, tower jib: 22~52m

m	22	25	28	31	34	37	40	43	46	49	52
12	43.4										
13	43.1	38.5									
14	40.0	38.2	34.3								
15	36.9	36.0	34.0	30.8							
16	34.0	33.3	32.3	30.5	27.7						
17	31.3	30.7	29.8	29.0	27.4	25.0					
18	29.0	28.5	27.7	27.0	26.2	24.8	22.6				
19	26.5	26.4	25.8	25.2	24.4	23.8	22.5	14.4			
20	24.1	24.5	24.0	23.5	22.8	22.2	21.6	13.3	14.3	12.9	
22	20.0	21.2	20.8	20.4	19.9	19.4	18.9	11.5	12.3	12.3	9.6
24	16.3	17.9	18.3	17.9	17.5	17.0	16.6	9.9	10.8	11.2	9.1
26		15.1	16.1	15.8	15.5	15.1	14.7	8.7	9.5	9.8	8.6
28		12.3	13.8	14.1	13.8	13.5	13.1	7.6	8.3	8.7	8.2
30			11.6	12.5	12.3	12.1	11.8	6.6	7.4	7.7	7.8
32				10.8	11.1	10.9	10.6	5.8	6.6	6.9	7.0
34				9.0	9.9	9.8	9.6	5.0	5.8	6.1	6.3
36					8.6	8.9	8.7	4.4	5.2	5.5	5.6
38						8.0	7.8	3.8	4.6	4.9	5.0
40						6.7	7.1	3.2	4.1	4.3	4.5
42							6.4	2.7	3.5	3.9	4.0
44								2.3	3.0	3.4	3.5
46								1.8	2.4	3.0	3.1
48									1.9	2.6	2.8
50										2.1	2.4
52											2.0

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Operation mode and lifting performance——HW

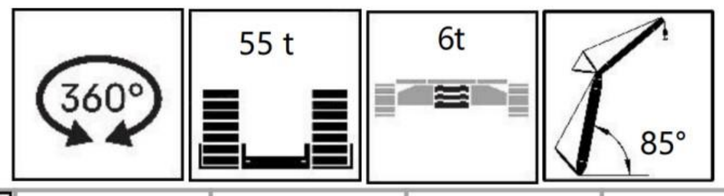


Main boom: 44m, tower jib: 22~52m

m	22	25	28	31	34	37	40	43	46	49	52
13	38.3										
14	38.1	34.1									
15	37.7	33.9	30.4								
16	35.9	33.6	30.3	27.4							
17	33.7	32.2	30.0	27.3	24.7						
18	31.2	30.4	28.8	27.0	24.6	22.4					
19	29.0	28.3	27.4	26.0	24.4	22.3	20.4				
20	26.9	26.4	25.7	24.7	23.5	22.1	20.3	14.2			
22	22.3	22.9	22.3	21.7	21.1	20.4	19.3	12.3	13.2	12.4	
24	18.5	19.9	19.4	19.0	18.5	18.0	17.5	10.6	11.5	11.8	9.3
26	14.9	16.9	17.1	16.7	16.3	15.9	15.4	9.3	10.0	10.4	8.8
28		14.1	15.1	14.9	14.5	14.2	13.8	8.1	8.9	9.2	8.3
30			13.0	13.3	13.0	12.7	12.3	7.1	7.9	8.2	8.0
32			10.8	11.9	11.7	11.4	11.1	6.2	7.0	7.3	7.4
34				10.2	10.5	10.3	10.1	5.4	6.2	6.5	6.6
36					9.5	9.3	9.1	4.7	5.5	5.8	5.9
38					8.0	8.4	8.3	4.1	4.9	5.2	5.3
40						7.6	7.5	3.5	4.4	4.6	4.7
42							6.8	3.0	3.8	4.1	4.2
44							6.0	2.5	3.3	3.7	3.8
46								2.1	2.8	3.3	3.4
48									2.2	2.9	3.0
50										2.4	2.6
52										1.9	2.3
54											1.9

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Operation mode and lifting performance——HW

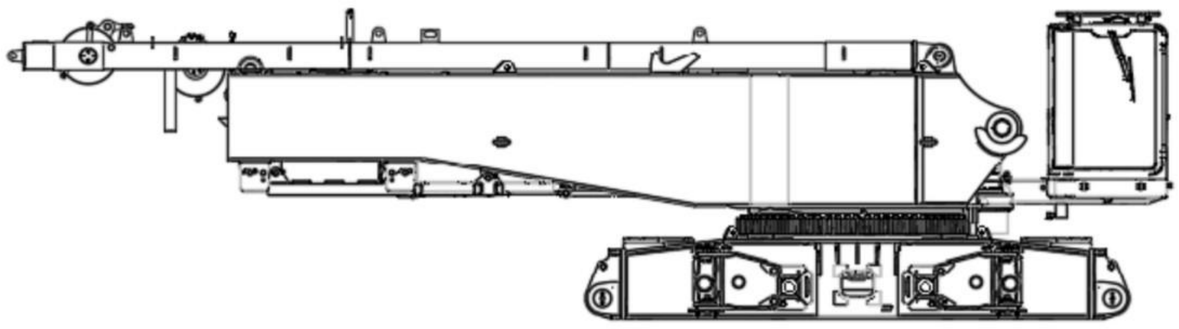


Main boom: 50m, tower jib: 22~52m

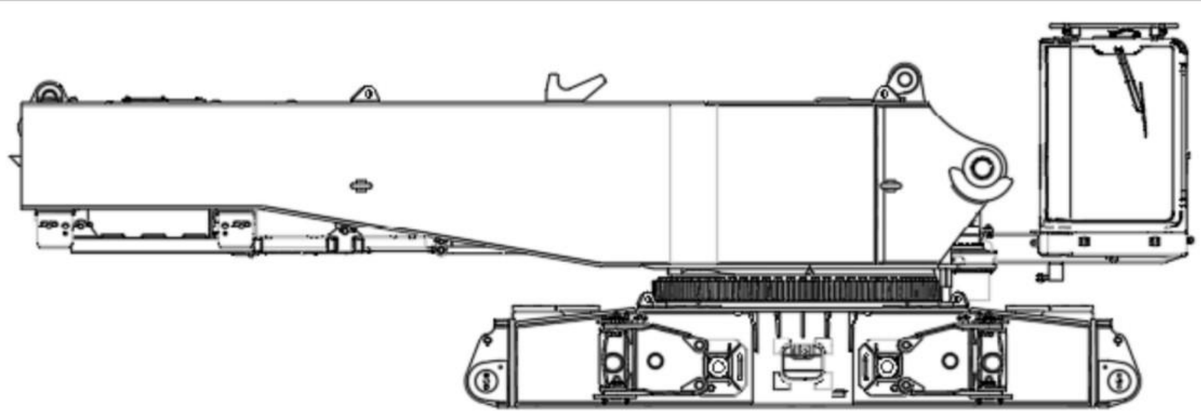
m	22	25	28	31	34	37	40	43	46	49	52
14	35.0										
15	33.5	31.3									
16	31.7	30.0	28.1	25.5							
17	29.9	28.5	26.9	25.2	23.0						
18	28.1	27.0	25.6	24.2	22.7	21.0					
19	26.4	25.5	24.4	23.2	21.8	20.5	19.1				
20	24.7	24.0	23.1	22.1	20.9	19.8	18.5	14.7			
22	21.7	21.3	20.7	20.0	19.1	18.3	17.3	12.6	13.5	12.5	
24	18.9	18.8	18.4	18.0	17.4	16.7	16.0	11.0	11.8	11.9	9.3
26	16.0	16.5	16.3	16.1	15.7	15.2	14.7	9.6	10.3	10.7	8.8
28		14.5	14.5	14.3	14.1	13.8	13.4	8.4	9.1	9.5	8.4
30		12.0	12.8	12.8	12.7	12.5	12.2	7.3	8.1	8.4	8.0
32			11.3	11.4	11.3	11.2	11.1	6.4	7.2	7.5	7.6
34				10.2	10.2	10.1	10.0	5.6	6.4	6.7	6.8
36				8.8	9.1	9.1	9.1	4.9	5.7	6.0	6.1
38					8.2	8.2	8.2	4.3	5.1	5.3	5.5
40						7.4	7.4	3.7	4.5	4.8	4.9
42							6.7	3.2	4.0	4.3	4.4
44							6.1	2.7	3.5	3.8	3.9
46								2.2	2.9	3.4	3.5
48									2.4	3.0	3.1
50									1.8	2.5	2.7
52										2.1	2.4
54											2.0
56											1.6

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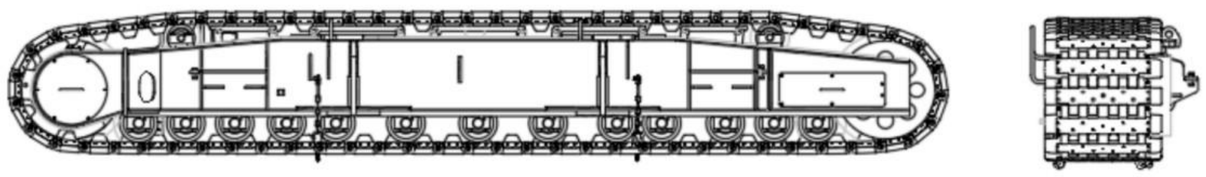
Dimensions of transported components



Basic machine transport plan A	×1
Length	11.5m
Width	3.0m
Height	3.2m
Weight	34.5 t

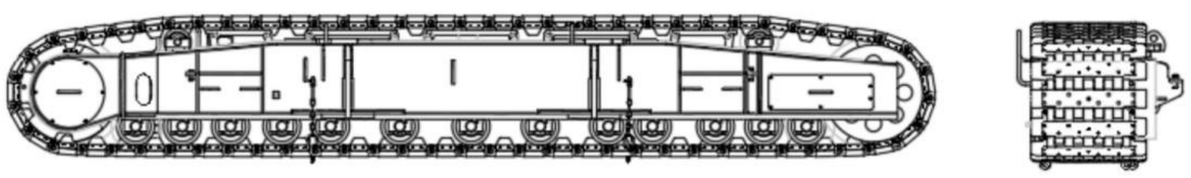


Basic machine transport plan B	×1
Length	10.0 m
Width	3.0m
Height	3.2m
Weight	31 t

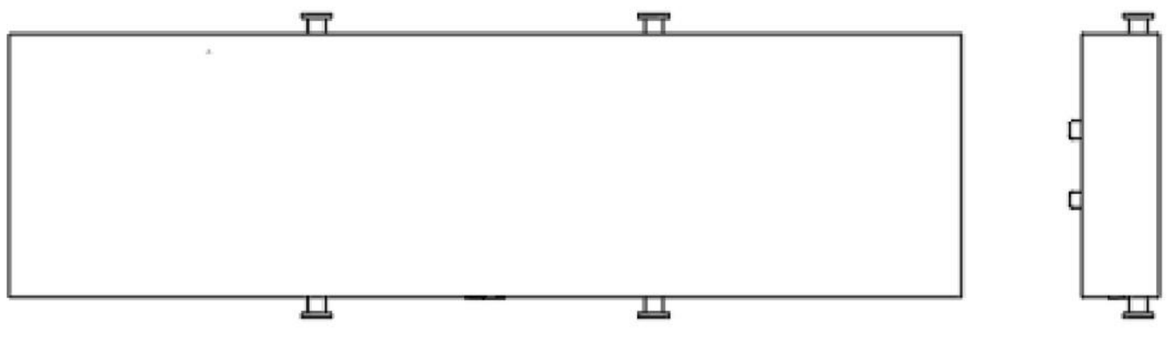


Left track frame	×1
Length	8.4m
Width	1.5m
Height	1.3m
Weight	15.4 t

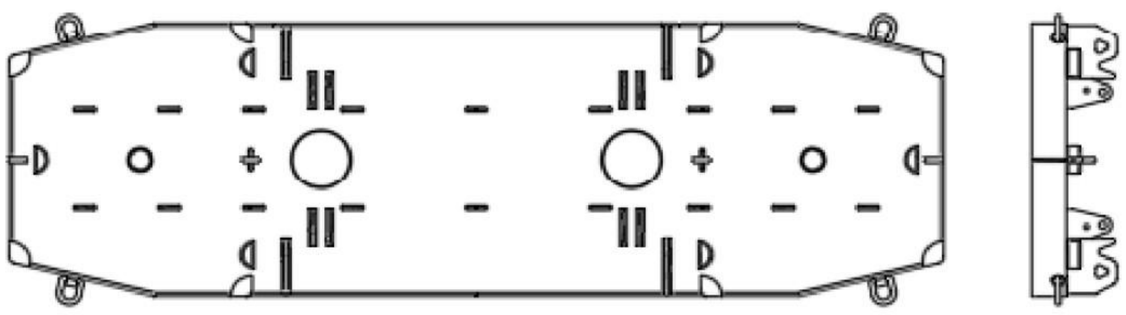
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Right track frame	×1
Length	8.4m
Width	1.5m
Height	1.3m
Weight	15.4 t

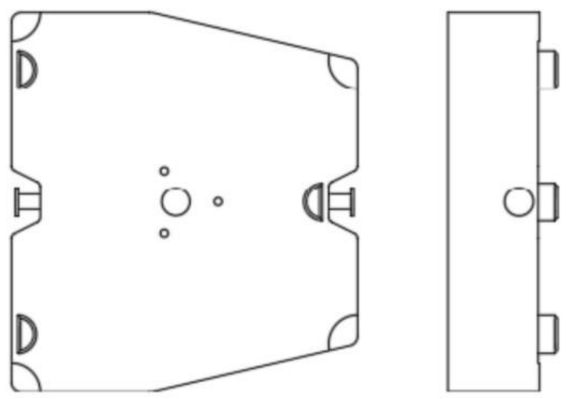
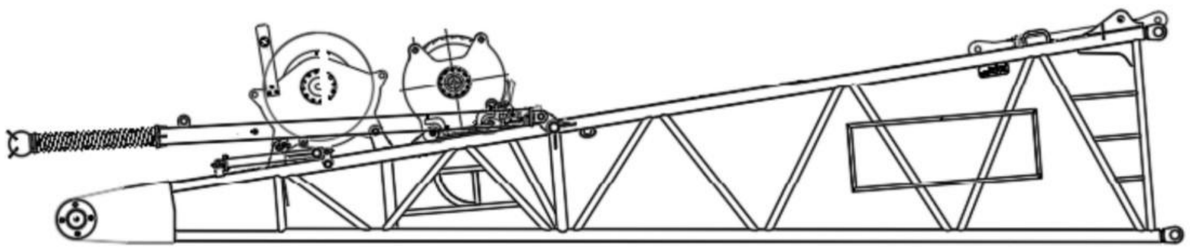
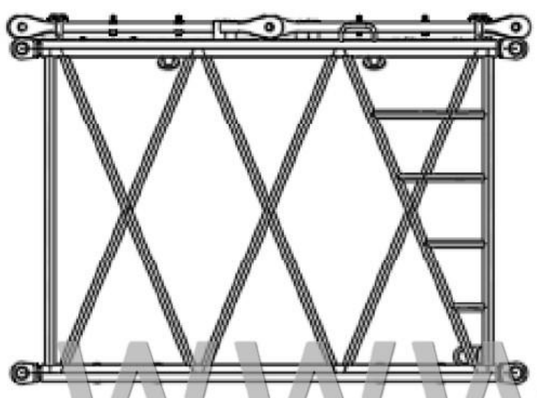
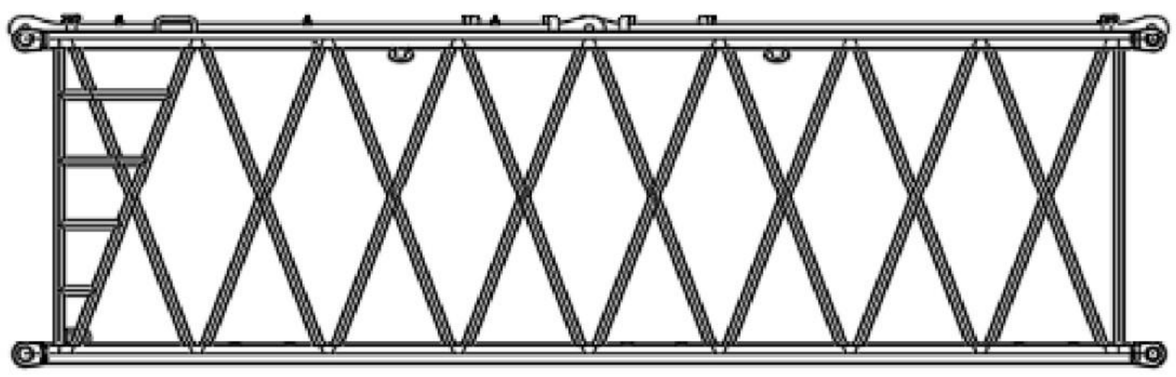
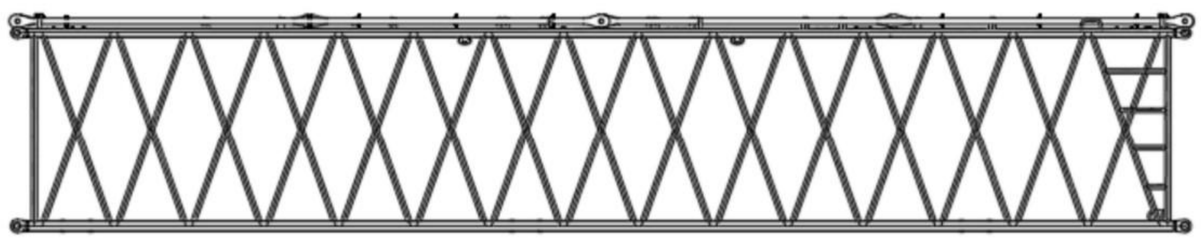
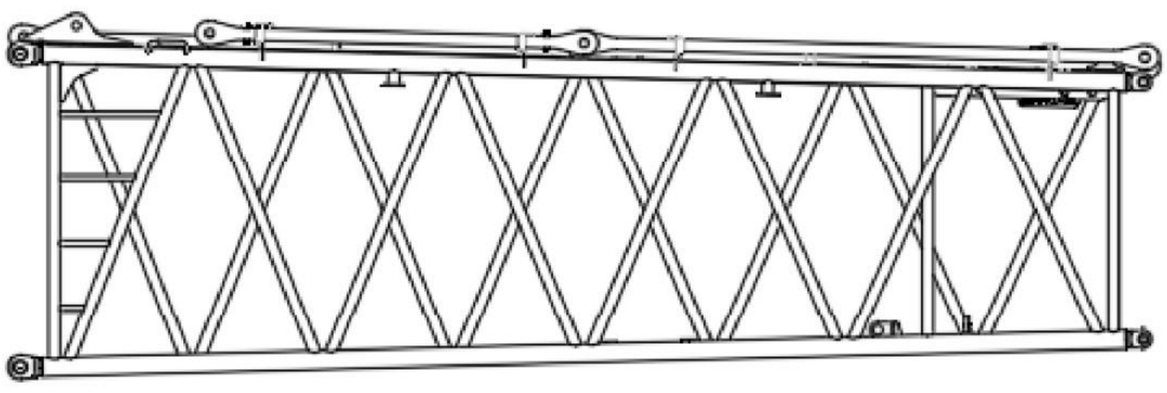


Car-body counterweight slab	×2
Length	4.63 m
Width	1.03m
Height	0.26m
Weight	3 t



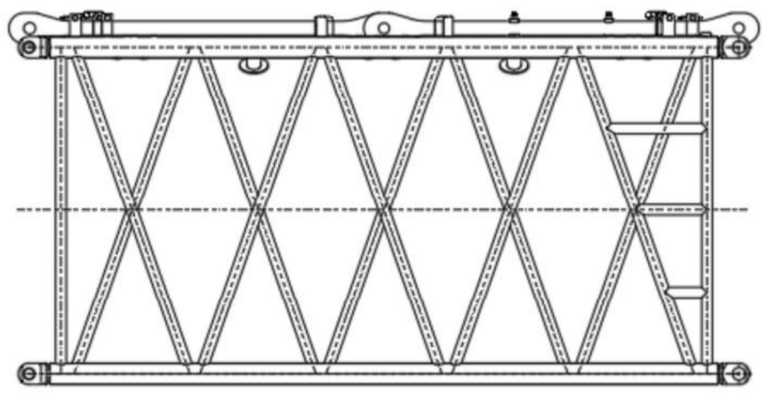
Turntable counterweight tray	×1
Length	6.74m
Width	2.0m
Height	0.61m
Weight	15.0 t

Dimensions of transported components

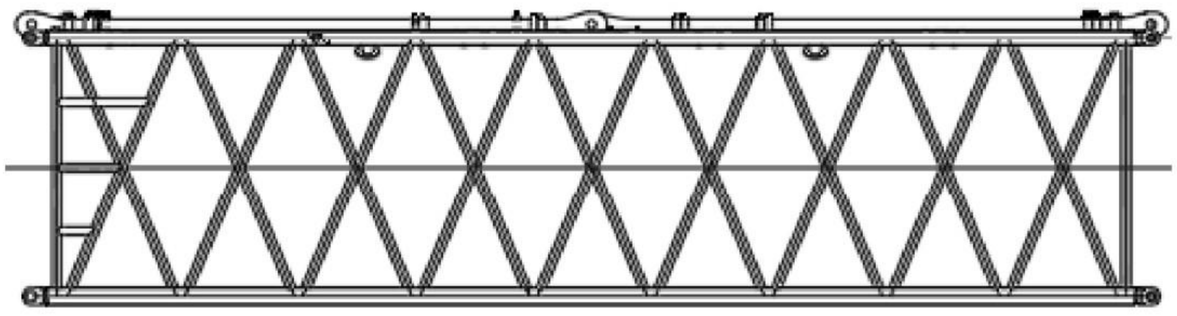
	Turntable counterweight slab	×8
	Length	1.80 m
	Width	2.00m
	Height	0.68m
	Weight	5.0 t
	Main boom butt	×1
	Length	9.7m
	Width	3.0m
	Height	2.0m
	Weight	6.6 t
	Main boom 3mA section	×1
	Length	3.17m
	Width	2.2m
	Height	2.0m
	Weight	0.7t
	Main boom 6mA section	×1
	Length	6.2m
	Width	2.2 m
	Height	2.0m
	Weight	1.2 t
	Main boom 12mA section	×2
	Length	12.2m
	Width	2.2m
	Height	2.0m
	Weight	2.2 t
	6m main boom transition section	×1
	Length	6.2m
	Width	2.3m
	Height	2.0m
	Weight	1.3 t

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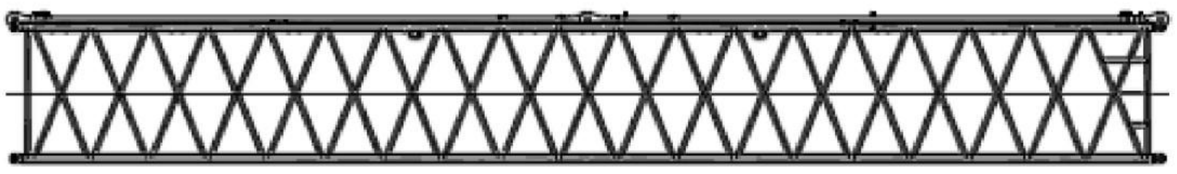
Dimensions of transported components



Main boom 3mB section	×2
Length	3.2m
Width	1.8m
Height	1.6m
Weight	0.5 t

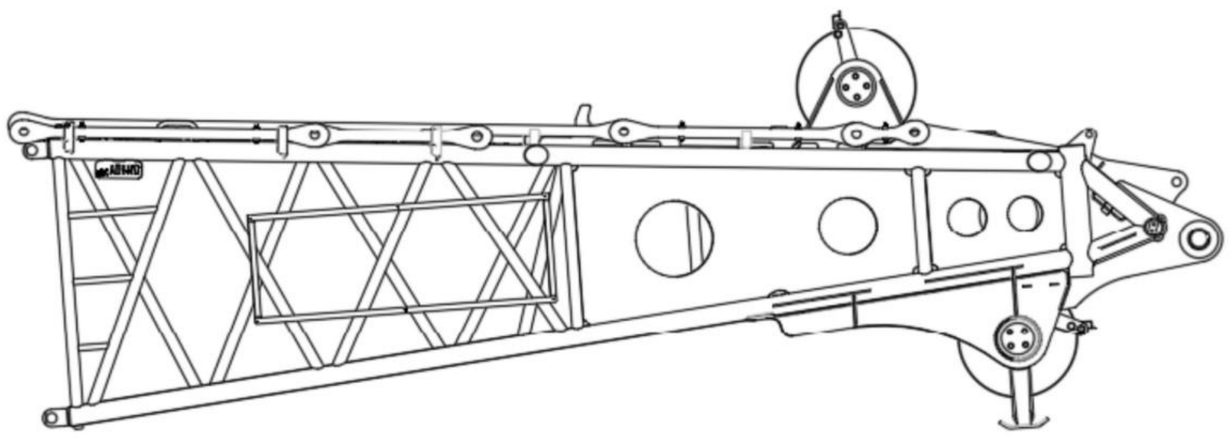


Main boom 6mB section	×2
Length	6.2m
Width	1.8 m
Height	1.6m
Weight	0.8 t

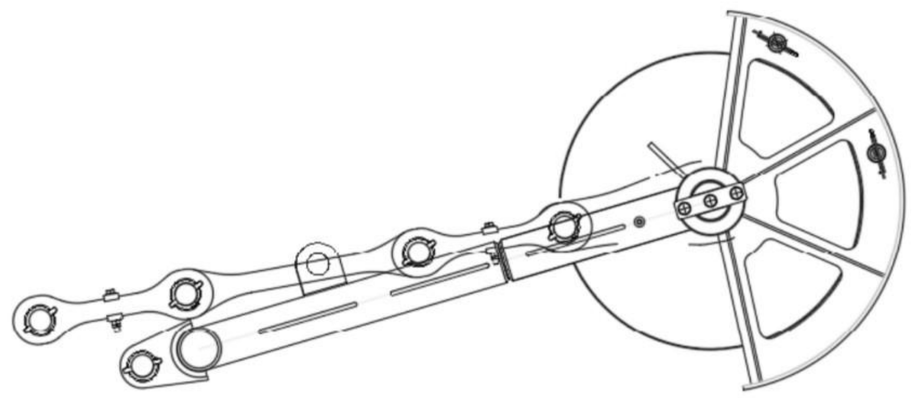


Main boom 12mB section	×1
Length	12.2m
Width	1.8 m
Height	1.6m
Weight	1.3 t

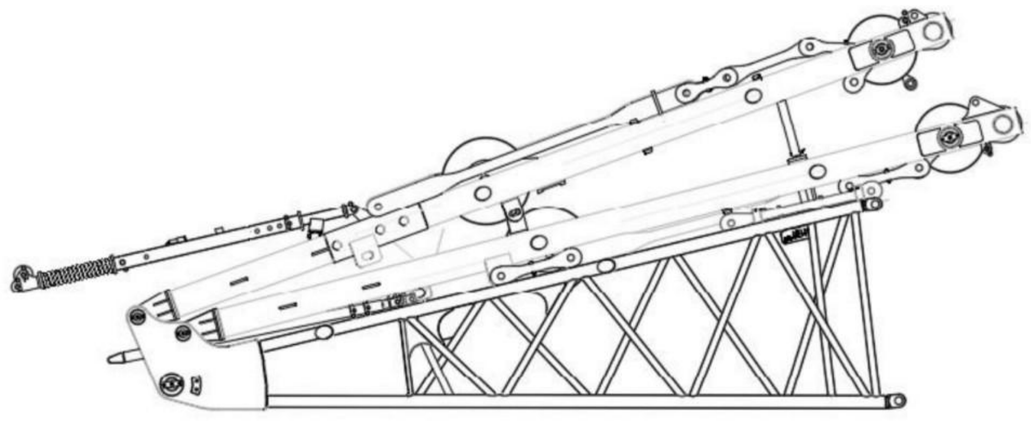
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Main boom top	×1
Length	6.3m
Width	2.3m
Height	2.2m
Weight	2.7 t

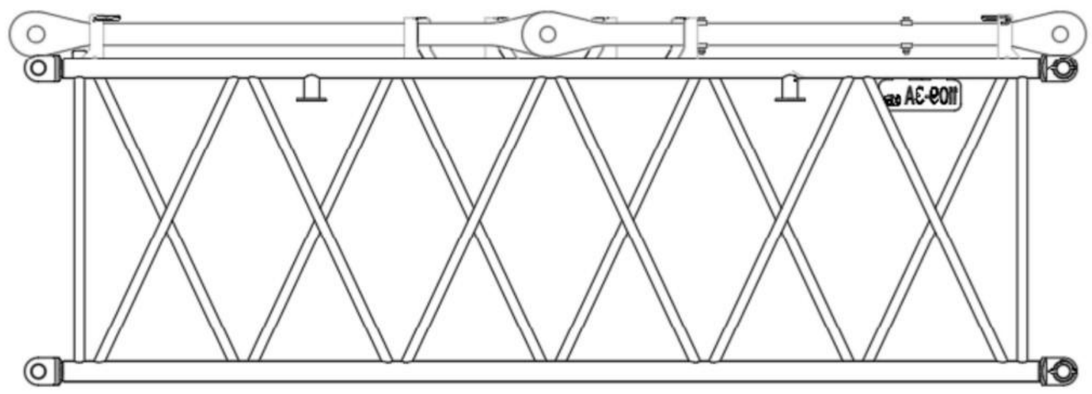


Boom point single pulley	×1
Length	1.8m
Width	1.16m
Height	0.8m
Weight	0.2 t

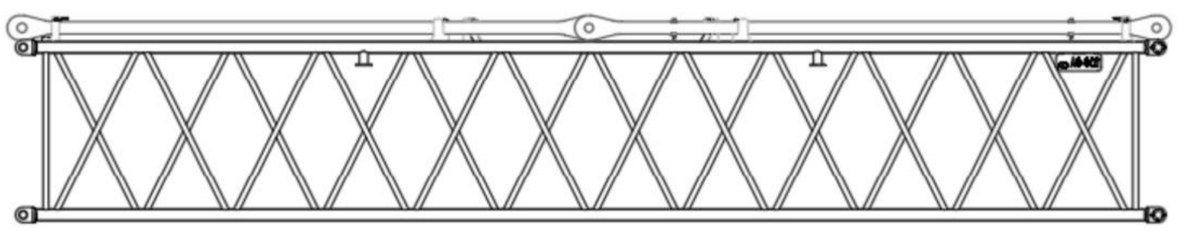


Tower jib three-piece set	×1
Length	7.0m
Width	2.0m
Height	2.9m
Weight	3.0 t

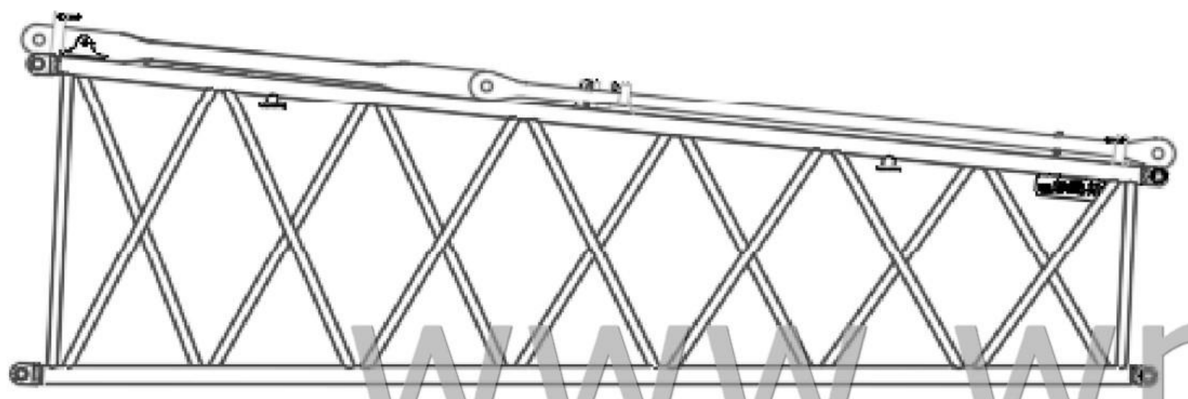
Dimensions of transported components



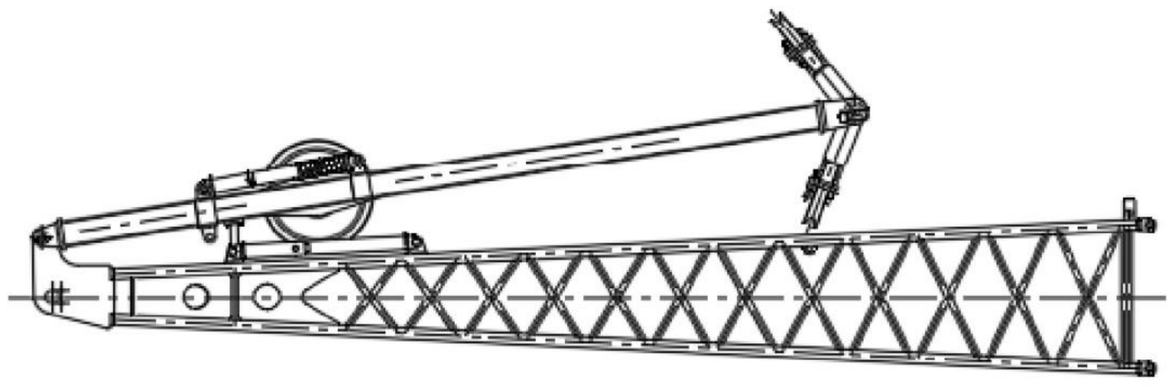
Tower jib 3mC section	×2
Length	3.2m
Width	1.2m
Height	1.1m
Weight	0.25 t



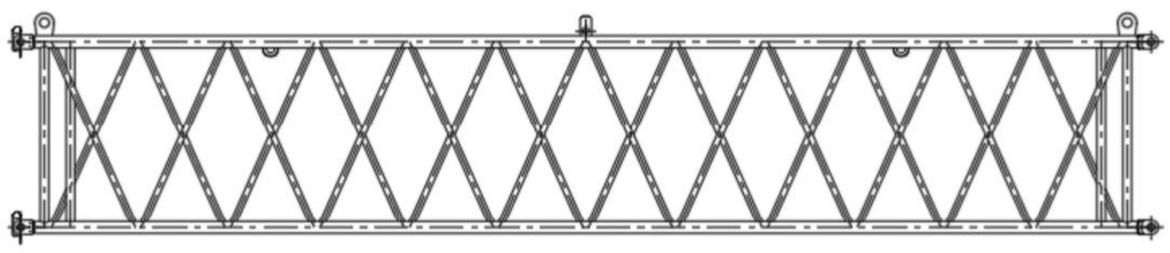
Tower jib 6mC section	×1
Length	6.2m
Width	1.2m
Height	1.1m
Weight	0.41 t



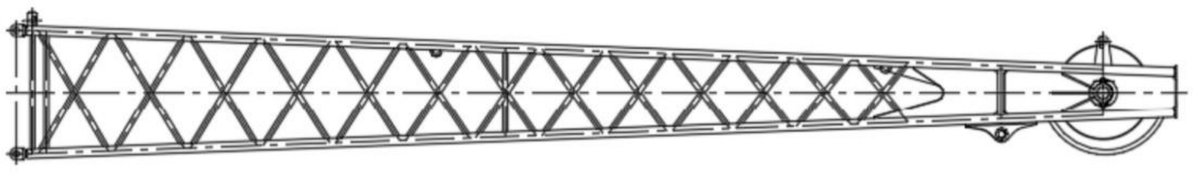
Jib transition section	×1
Length	5.2m
Width	1.8m
Height	1.7m
Weight	0.53 t



Light duty fixed jib butt (two-piece set)	×1
Length	6.2m
Width	1.3m
Height	2.0m
Weight	0.9 t



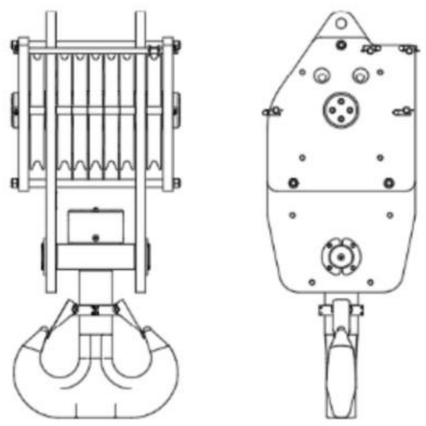
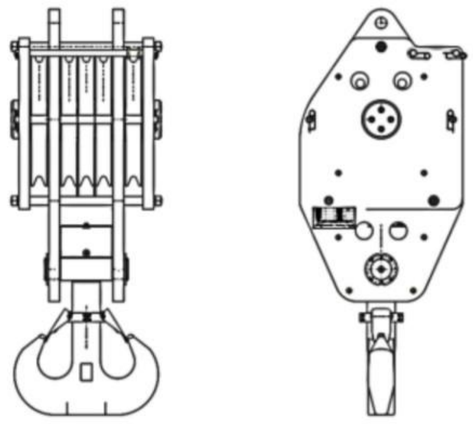
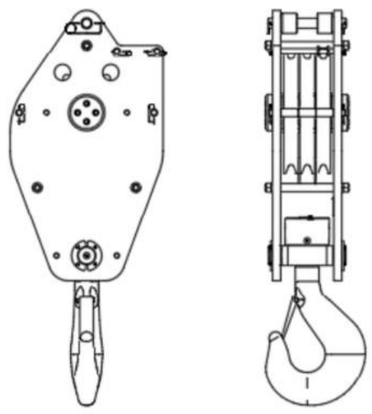
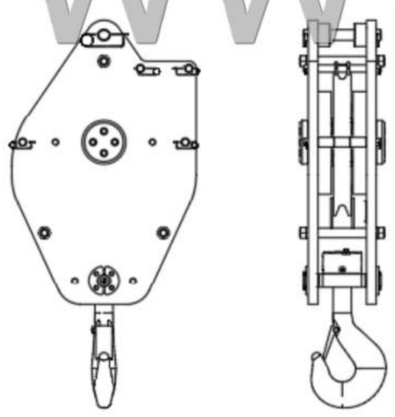
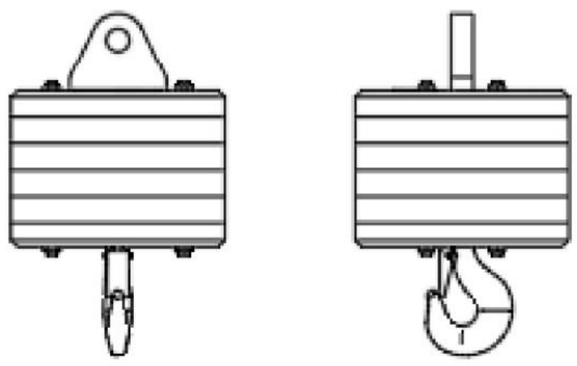
Light duty fixed jib 6m section	×3
Length	6.1m
Width	1.1m
Height	0.9m
Weight	0.25 t



Light duty fixed jib top	×1
Length	7.5 m
Width	1.1m
Height	0.9m
Weight	0.47 t

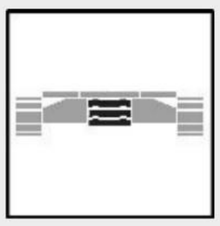
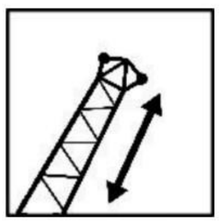
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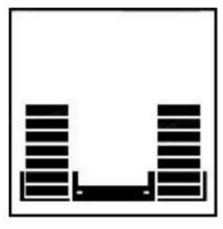
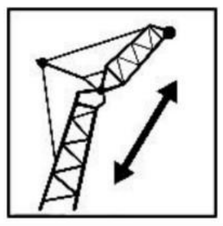
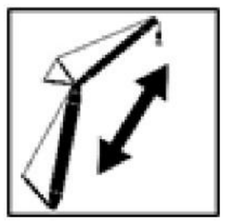
Dimensions of transported components

	150t hook	×1
	Length	0.87m
	Width	0.76m
	Height	2.35m
	Weight	2.20t
	100t hook	×1
	Length	0.76m
	Width	0.70 m
	Height	1.90 m
	Weight	1.69t
	80t hook	×1
	Length	0.76m
	Width	0.418m
	Height	1.998m
	Weight	0.96 t
	32t hook	×1
	Length	0.76 m
	Width	0.35 m
	Height	1.628m
	Weight	0.73 t
	13.5t hook	×1
	Length	0.485m
	Width	0.485m
	Height	0.787m
	Weight	0.50 t

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Symbols

	Rated lifting capacity
	Main boom angle
	Working radius
	Undercarriage counterweight
	Main boom length

	Turntable counterweight
	Angle between main boom and jib
	Fixed jib combination length
	360° slewing
	Tower jib combination length

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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".

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

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

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

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

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

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This print 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. The product in the picture may not be standard configuration, some parts need to be purchased separately.