XGC85 CRAWLER CRANE

Technical specification

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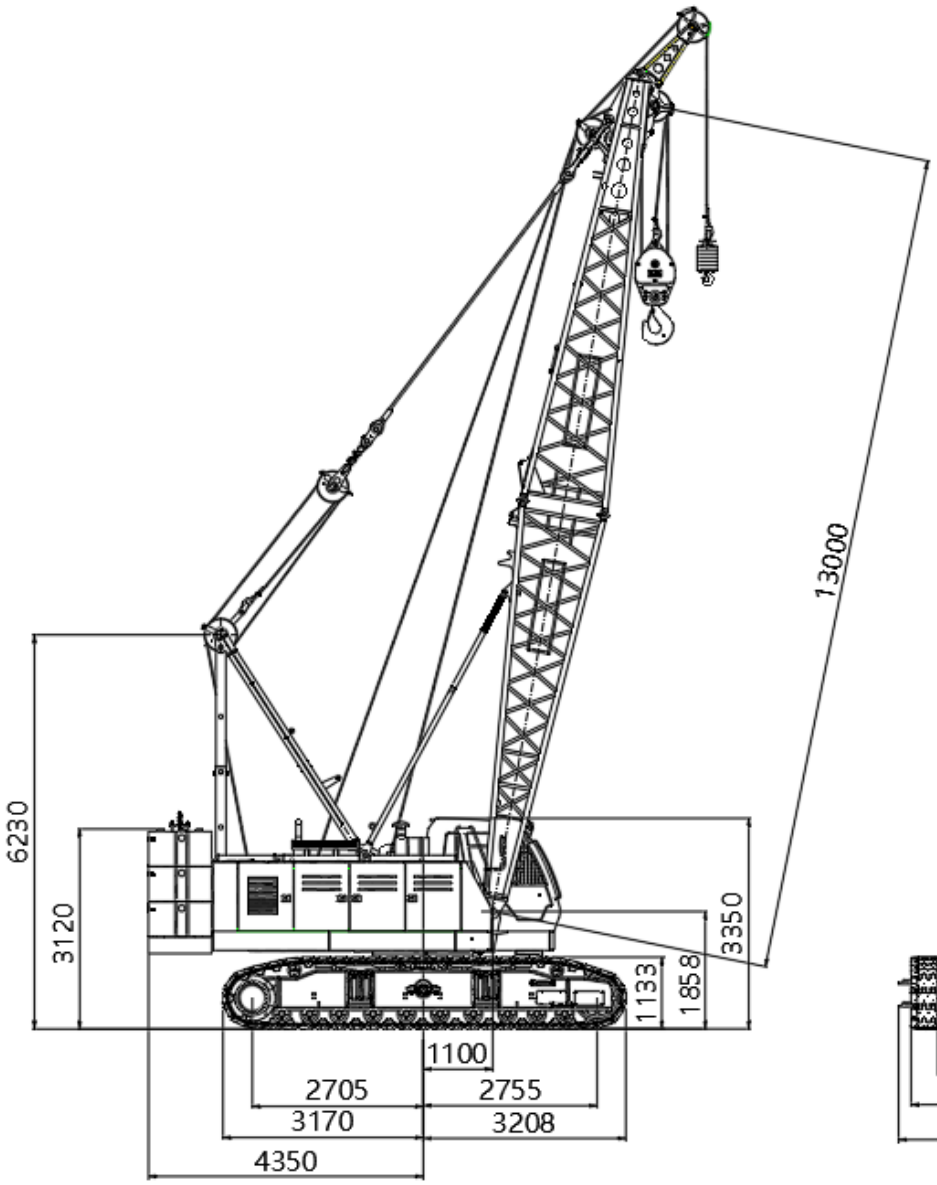
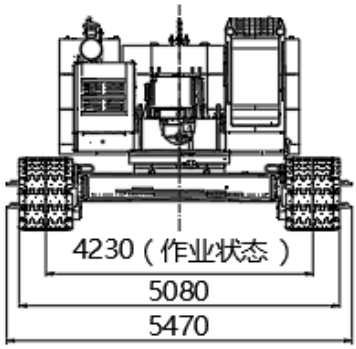
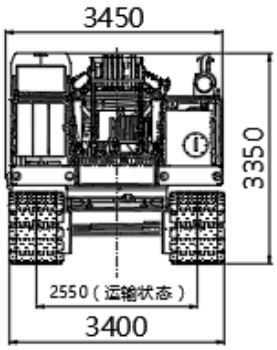
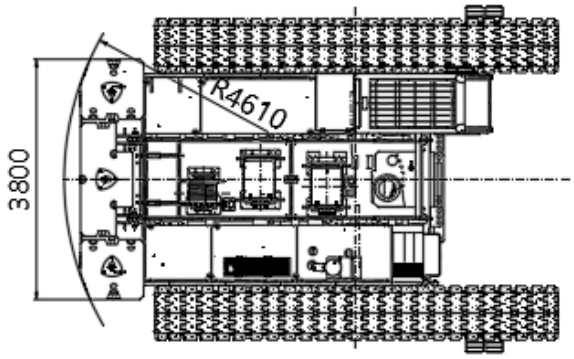
Dimensions (mm)









Technical specifications

➢ Operator’s cab

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

➢ Engine

- Model: Cummins, QSL9
- Emission standard: stage V
- Rated power: 252kW
- Rated speed: 1800rpm
- Maximum torque: 1526N.m;
- Speed at maximum torque: 1400rpm
- Fuel tank capacity: 400L

➢ Hydraulic system

- Load-sensitive LUDV system with hydraulic pilot proportional control can realize load-independent flow distribution, with accurate speed, sensitive operation, stable system and good fine motion performance. Special LUDV integrated main valve can realize the compound operation of any action, with compact structure and convenient maintenance.
- Main hoisting winch and auxiliary hoisting winch have double pump confluence function, easy to achieve winch high/low speed control. Specially designed slewing buffer circuit, the start and stop of slewing movement is smooth and soft, meet the requirements of fine lifting operation.
- Hydraulic oil tank capacity: 400L

➢ Electrical system

- Electrical system mainly includes the following parts: engine control, monitoring instruments, auxiliary equipment, hydraulic system control, load moment limit, safety monitoring and etc.
- Composition of electrical system: conventional electrical system and PLC control system.
- Conventional electrical system adopts 24V parallel circuit, and the wiring of all electric equipment adopts single wire system, negative earth. It includes power supply, start control, engine control and status monitoring, A/C, sound equipment, illuminators (lighting), wipers and walkie-talkie, etc.
- PLC control system includes the control of hoisting, luffing, slewing, travel and the rotation and tilting of operator’s cab. All actions are controlled by hydraulic proportional control technology and PLC logic control of CAN-bus technology, which can effectively ensure the realization of crane functions and fully embody the design idea of people first.

Battery model	Qty.	Total rated voltage	Total rated capacity
6-QAW-180D	2	24 V	180Ah

Technical specifications

➢ Hoisting system

- Hoisting system includes main hoisting and aux. hoisting.
- For main and auxiliary hoisting systems, planetary reducer is driven by fixed displacement motor to lift and lower main or auxiliary hook through drum and pulley block, and to increase the lifting or lowering speed through double pump oil supply function.
- Main and auxiliary hoisting systems have built-in planetary reducer, with negative brake wet type multi-disc normally closed brake, to achieve "spring braking/hydraulic release" function, safe and reliable. Hoisting system also has features of easy oil change, low noise, high efficiency and long service life. Additionally, it is excellent in fine motion performance.
- Winch drum is made of ductile iron, with good vibration absorption effect. Double fold-line groove is used to ensure that no disorder occurs when the rope is wound in multiple layers, which effectively prolong the service life of the rope.
- Main hoisting system uses left-hand lang lay special rotation resistance wire rope with independent steel core, high breaking force and high extrusion resistance.
- Auxiliary hoisting system uses special rotation resistance wire rope with independent steel core, high breaking force and high extrusion resistance.

Main hoisting system	Rope speed at the outermost working layer	0~122 m/min
	Diameter of wire rope	22mm
	Winch rope length	240m
	Rated single line pull	8t

Auxiliary hoisting system	Rope speed at the outermost working layer	0~122 m/min
	Diameter of wire rope	22mm
	Winch rope length	145m
	Rated single line pull	8t

➢ Luffing system

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

Main boom luffing system	Rope speed at the outermost working layer	0~70 m/min
	Diameter of wire rope	20mm
	Winch rope length	135m
	Rated single line pull	6t

➢ Traveling 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.
- Constant closed planetary reducer, driven by angle type axial piston motor. The travel power is very strong, it can achieve travel movements such as straight travel, steering on position, steering on one side, differential steering and travel with load, with high flexibility and mobility. Multi-disc wet normally-closed brake, spring brake and hydraulic release are used to ensure the travel has high braking safety.
- Grade ability: 30%.

➢ Hook and parts of line

- There are 4 types of hooks available, and the specific parameters are as follows:

Name	Dead weight	Number of pulleys	Max. parts of line
85t block	0.89t	7	12
55t hook	0.62t	5	6
25t hook	0.3t	1	3
8t hook	0.14t	—	1

➢ Counterweight

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

➢ Turntable

- Turntable is the key bearing structure connecting crane superstructure and undercarriage. The main load bearing part is welded of steel plate in flat box-type structure. Cantilever structure is welded on both sides to increase the space, for arranging the fixed load. Turntable is connected to undercarriage through slewing bearing. Main boom butt, A-frame, hoisting winch, luffing winch and counterweight are arranged on the main bearing structure; cab, engine system, main pump, hydraulic valve and electrical cabinet are arranged on cantilever structure on both sides; turntable main structure and cantilever structure on both sides are designed according to the stress condition of the whole crane, with reasonable structure, good strength and rigidity.

➢ Car-body

- Car-body is a radial box structure, welded by steel plate, with good rigidity, high strength and high precision. The upper plane is machined precisely to ensure that the slewing bearing runs smoothly.

➢ Safety devices

- Safety devices include: LMI, main/auxiliary winch rope over-wound protection, main/auxiliary winch rope over-released protection, main luffing winch ratchet lock, boom angle limiter, main boom and jib backstop systems, height mark light, anemometer, buzzer and warning light, emergency stop function, automatic fault diagnosis system and black box, closed circuit monitoring system (optional), electronic level indicator (optional), lightning protection system (optional) and etc.

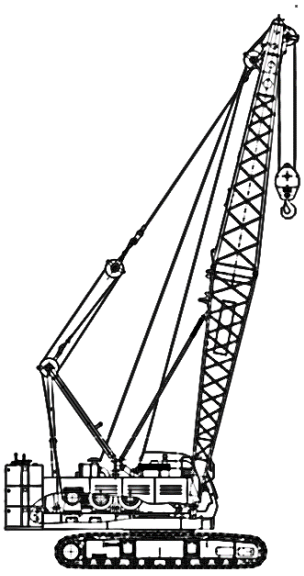
Optional parts

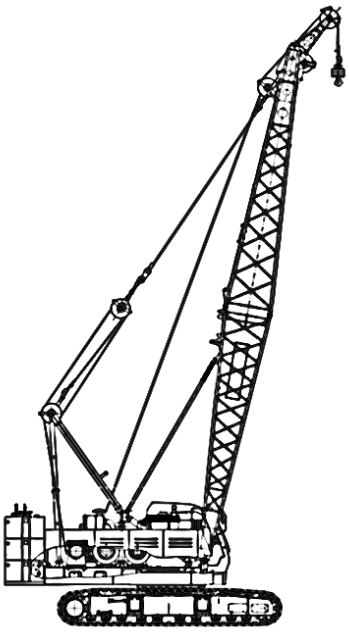
No.	Item
1	85t hook
2	Main winch quick release function
3	Monitoring system
4	Electronic level indicator
5	Lightning protection system
6	Engine cold start device
7	Reverse travel automatic monitoring function
8	Boom catwalk
9	High hydraulic pressure bypass filter system
10	One-key switching between main and auxiliary hooks

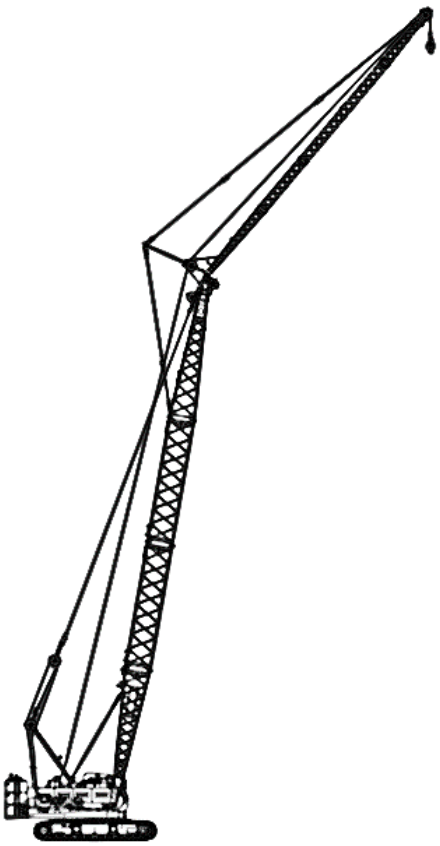
Main technical parameters

Item		Unit	Parameters
Max. rated lifting capacity	Main boom operation mode	t	85
	Boom end single pulley operation mode	t	8
	Fixed jib operation mode (without main hook)	t	12
	Fixed jib operation mode (with main hook)	t	12
Max. lifting moment	Main boom operation mode	t·m	340
	Fixed jib operation mode	t·m	196.4
	Boom end single pulley operation mode	t·m	191.8
Dimension parameters	Main boom length	m	13 ~ 58
	Main boom luffing angle	°	-3 ~ 80
	Fixed jib length	m	7 ~ 19
	Angle between main boom and fixed jib	°	10, 30
	Boom end single pulley	m	1.4
Speed parameters	Hoisting system max. single rope speed	m/min	122
	Main boom luffing system max. single rope speed	m/min	70
	Max. slewing speed	rpm	2.0
	Max. travel speed	km/h	0.9
Engine	Engine model	—	Cummins QSL9-252kW-FR95768
	Rated power/rated speed	kW/rpm	252/1800
	Emission standard	—	stage V
Mass of the crane (with 13m basic boom and 85t hook block)		t	71.5
Average ground pressure		MPa	0.087
Grade ability		—	30%
Max. weight of single piece in transport state		t	41.2
Max. dimension of single piece (turntable) in transport state (L×W×H)		m	13.05×3.4×3.3

Operation modes and lifting performance



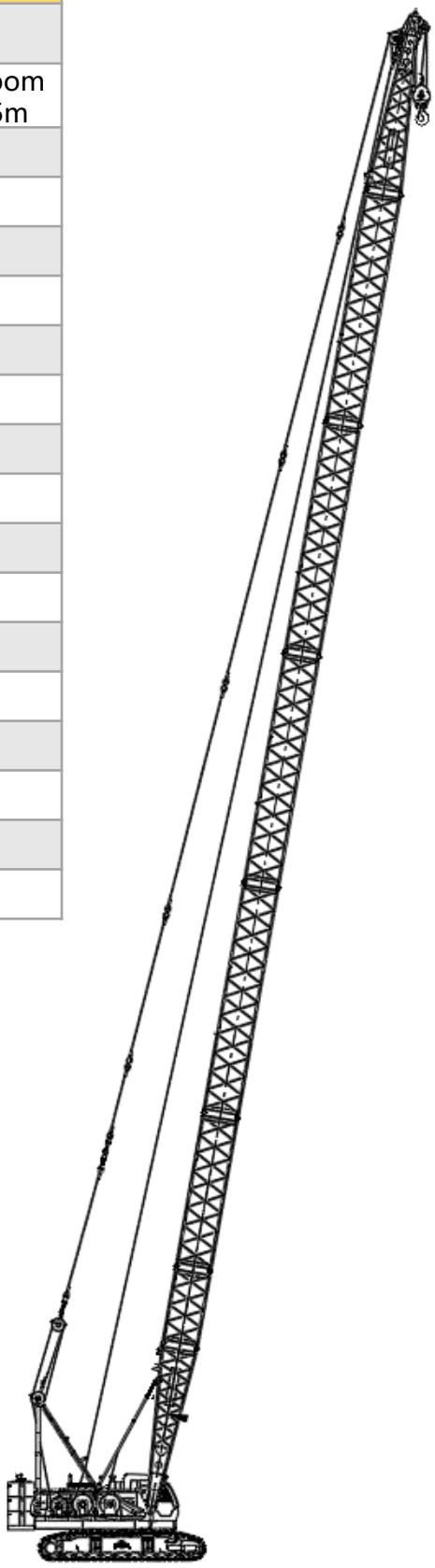




Main boom operation mode (HB)	Boom end single pulley operation mode (without hook on main boom) (HBS)	Fixed jib operation mode (without hook on main boom) (HF)
Main boom: 13~58m	Main boom: 13～58m Single pulley: 1.4m	Main boom: 31~49m Jib: 7~19m

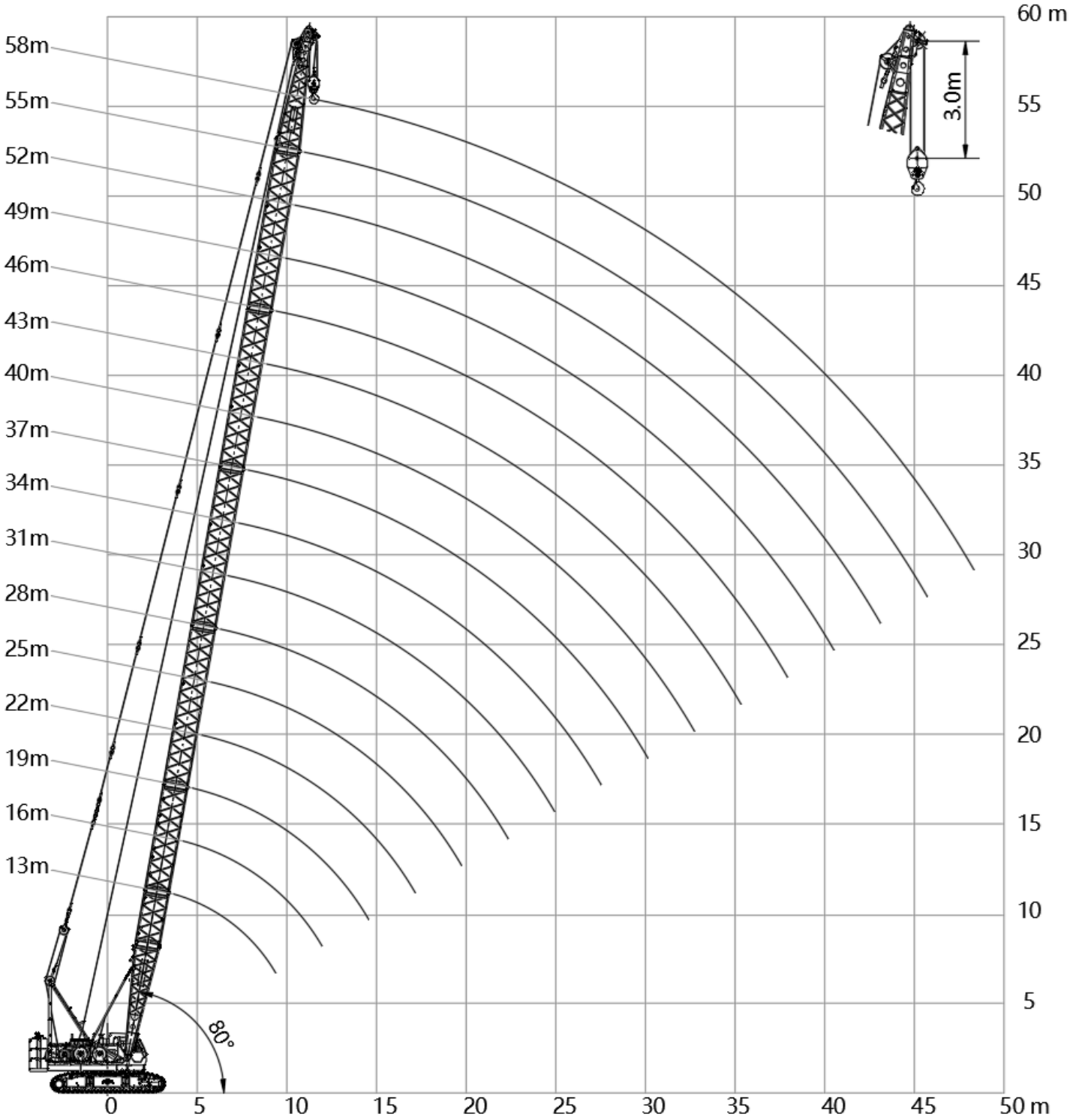
Operation modes and lifting performance—HB

Main boom combination					
Length	Length of insert sections				
	Main boom butt 6.5m	3m insert section	6m insert section	9m insert section	Main boom top 6.5m
13m	1	—	—	—	1
16m	1	1	—	—	1
19m	1	—	1	—	1
22m	1	—	—	1	1
25m	1	1	—	1	1
28m	1	—	1	1	1
31m	1	—	—	2	1
34m	1	1	—	2	1
37m	1	—	1	2	1
40m	1	—	—	3	1
43m	1	1	—	3	1
46m	1	—	1	3	1
49m	1	—	—	4	1
52m	1	1	—	4	1
55m	1	—	1	4	1
58m	1	1	1	4	1



HB

Operation modes and lifting performance—HB



Operation modes and lifting performance—HB

Main boom: 13~34m

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

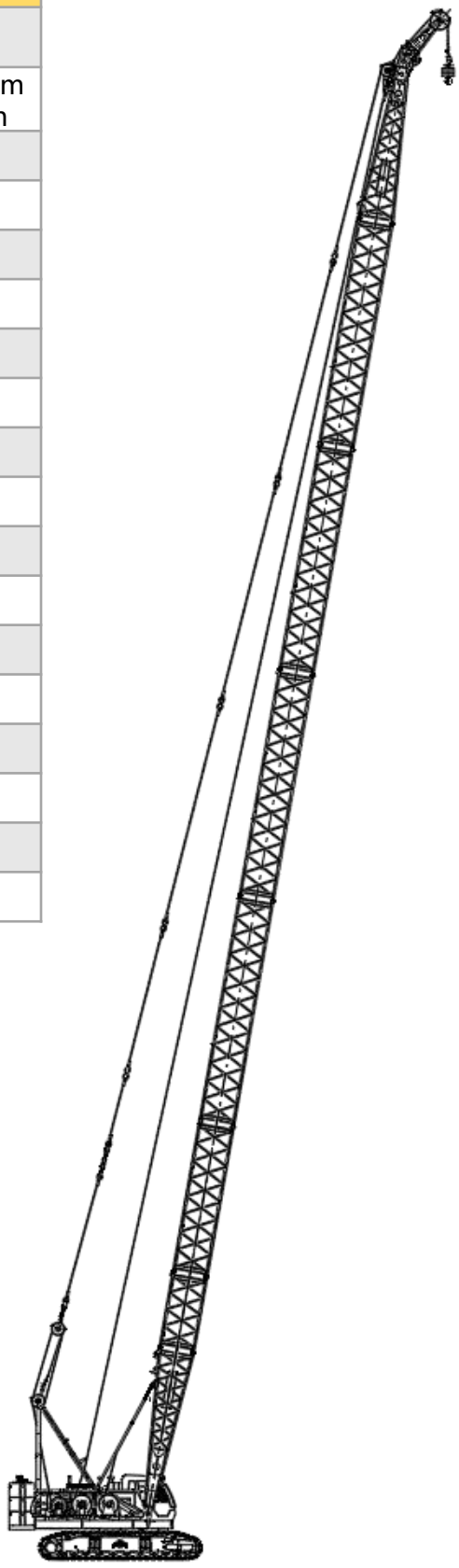
Operation modes and lifting performance—HB

Main boom: 37~58m

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

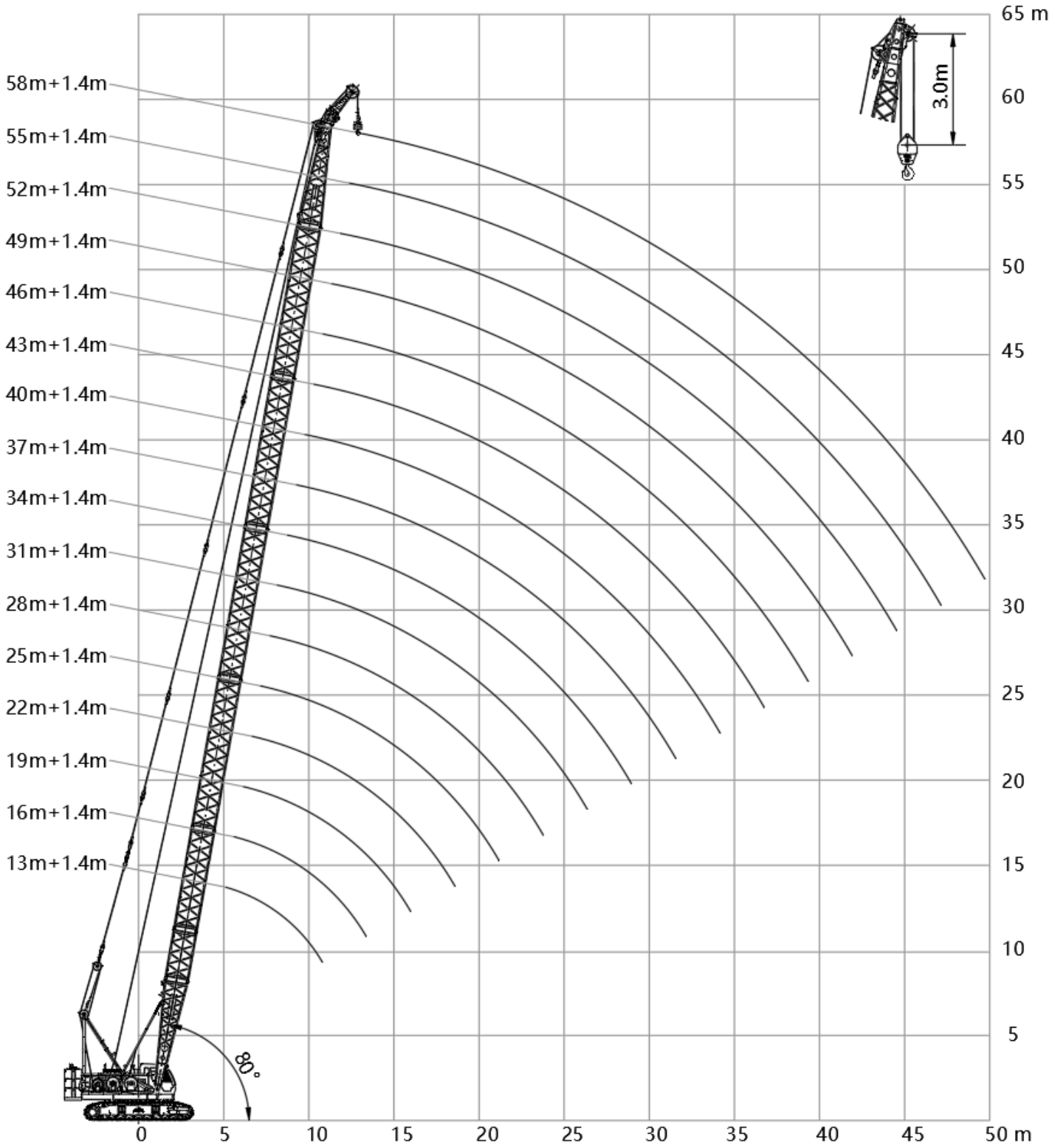
Operation modes and lifting performance—HBS

Main boom combination					
Length	Length of insert sections				
	Main boom butt 6.5m	3m insert section	6m insert section	9m insert section	Main boom top 6.5m
13m	1	—	—	—	1
16m	1	1	—	—	1
19m	1	—	1	—	1
22m	1	—	—	1	1
25m	1	1	—	1	1
28m	1	—	1	1	1
31m	1	—	—	2	1
34m	1	1	—	2	1
37m	1	—	1	2	1
40m	1	—	—	3	1
43m	1	1	—	3	1
46m	1	—	1	3	1
49m	1	—	—	4	1
52m	1	1	—	4	1
55m	1	—	1	4	1
58m	1	1	1	4	1



HBS

Operation modes and lifting performance—HBS



Operation modes and lifting performance—HBS

Main boom: 13~34m

Single pulley: 1.4m

m	13	16	19	22	25	28	31	34
5	8.0							
6	8.0	8.0	8.0					
7	8.0	8.0	8.0					
8	8.0	8.0	8.0	8.0	8.0			
9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
10	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
12	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
14		8.0	8.0	8.0	8.0	8.0	8.0	8.0
16		8.0	8.0	8.0	8.0	8.0	8.0	8.0
18			8.0	8.0	8.0	8.0	8.0	8.0
20				8.0	8.0	8.0	8.0	8.0
22				8.0	8.0	8.0	8.0	8.0
24					8.0	8.0	7.9	7.7
26						7.1	7.1	6.9
28							6.3	6.2
30							5.6	5.6
32								4.8

Operation modes and lifting performance—HBS

Main boom: 37~58m

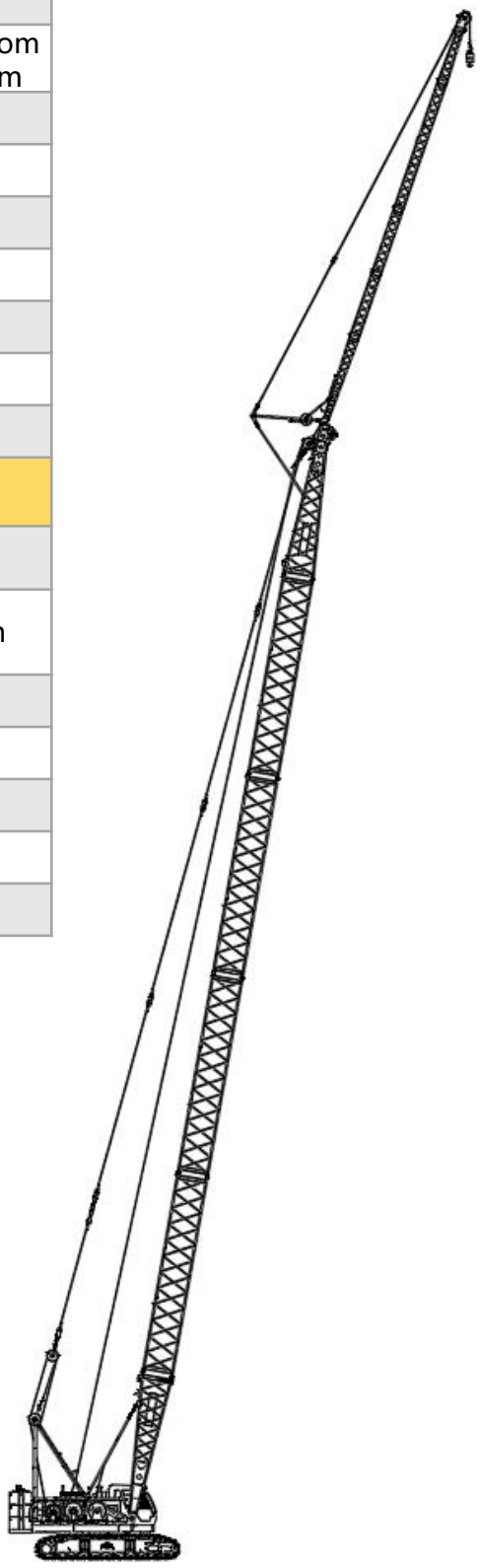
Single pulley: 1.4m

m	37	40	43	46	49	52	55	58
9	8.0							
10	8.0	8.0	8.0					
12	8.0	8.0	8.0	8.0	8.0	8.0	8.0	
14	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
16	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
18	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
20	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
22	8.0	8.0	8.0	8.0	8.0	7.9	7.8	7.6
24	7.6	7.5	7.3	7.2	7.1	6.9	6.8	6.6
26	6.7	6.7	6.4	6.4	6.3	6.0	6.0	5.8
28	6.0	5.9	5.7	5.7	5.6	5.5	5.2	5.1
30	5.4	5.3	5.1	5.1	5.0	4.8	4.6	4.5
32	4.8	4.7	4.6	4.5	4.4	4.2	4.1	3.9
34	4.3	4.3	4.1	4.1	3.9	3.8	3.7	3.4
36		3.7	3.7	3.7	3.5	3.4	3.2	3.0
38			3.3	3.3	3.1	3.0	2.9	2.6
40			3.0	3.0	2.8	2.7	2.5	2.3
42				2.5	2.5	2.4	2.3	2.0
44					2.1	2.1	2.0	1.7
46						1.8	1.8	1.5
48						1.5	1.5	1.2
50							1.0	1.0

Operation modes and lifting performance—HW

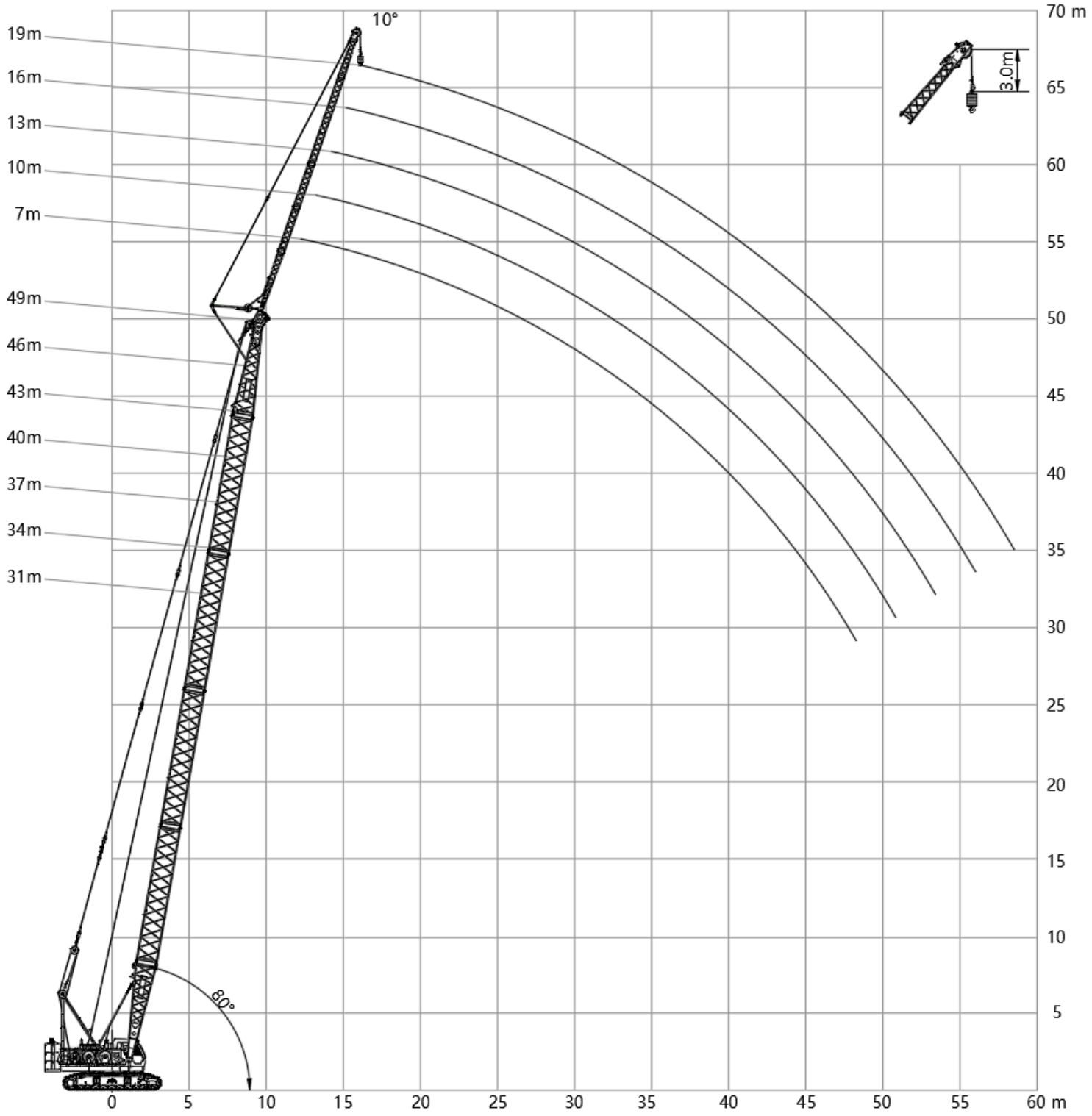
Main boom combination					
Length	Length of insert sections				
	Main boom butt 6.5m	3m insert section	6m insert section	9m insert section	Main boom top 6.5m
31m	1	—	—	2	1
34m	1	1	—	2	1
37m	1	—	1	2	1
40m	1	—	—	3	1
43m	1	1	—	3	1
46m	1	—	1	3	1
49m	1	—	—	4	1

Jib combination				
Length	Length of insert sections			
	Jib butt 4m	3m insert section	6m insert section	Jib top 3m
7m	1	—	—	1
10m	1	1	—	1
13m	1	—	1	1
16m	1	1	1	1
19m	1	2	1	1

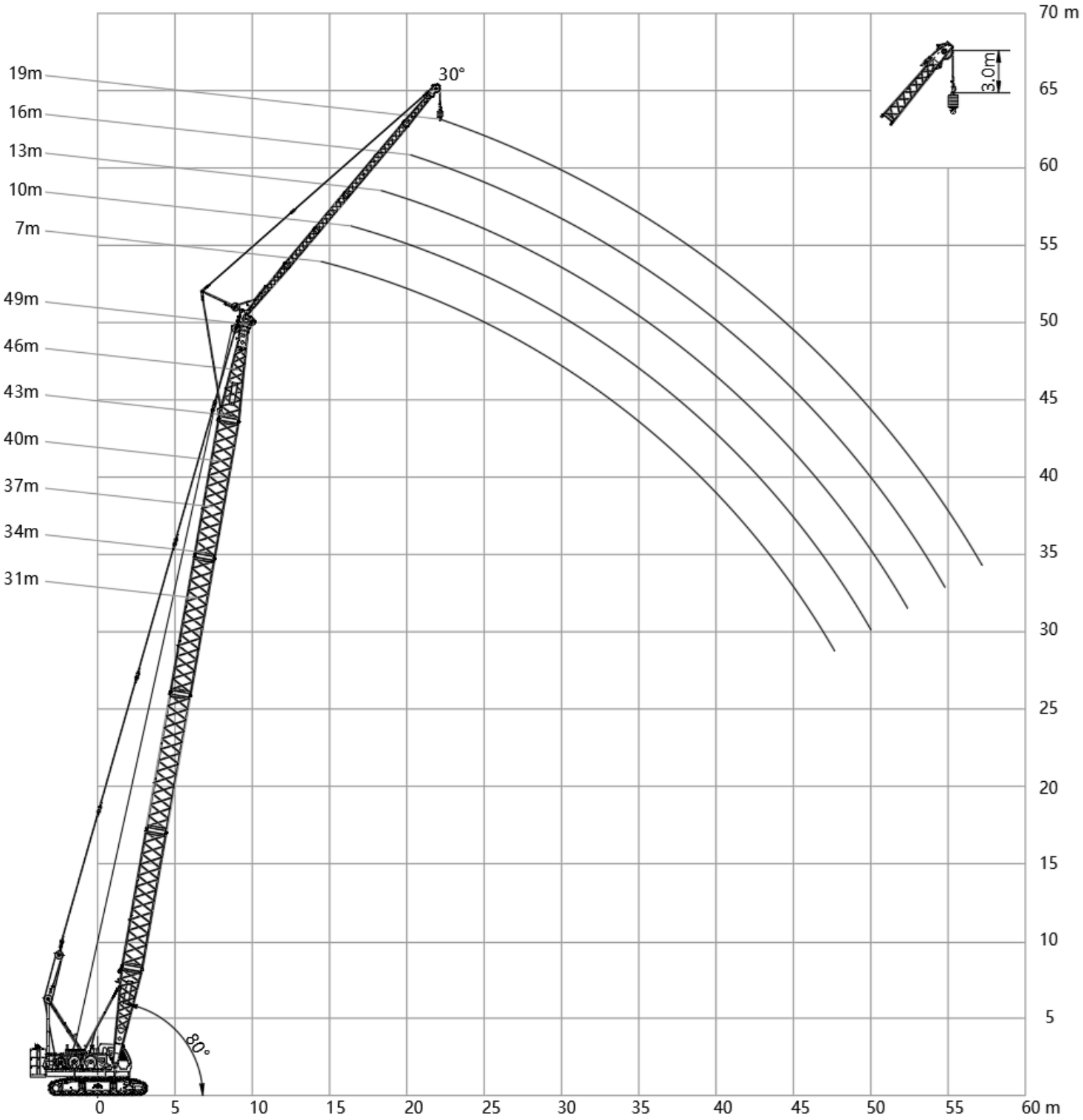


HW

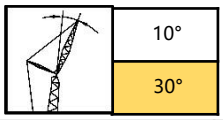
Operation modes and lifting performance—HW



Operation modes and lifting performance—HW



Operation modes and lifting performance—HW

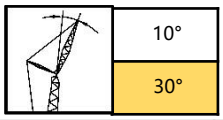


Main boom: 31m

Jib: 7~19m

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

Operation modes and lifting performance—HW

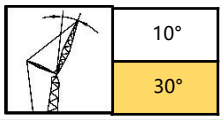


Main boom: 37m

Jib: 7~19m

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

Operation modes and lifting performance—HW

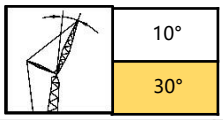


Main boom: 43m

Jib: 7~19m

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

Operation modes and lifting performance—HW

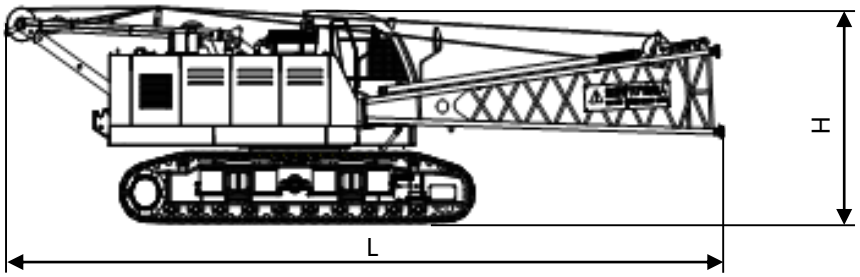
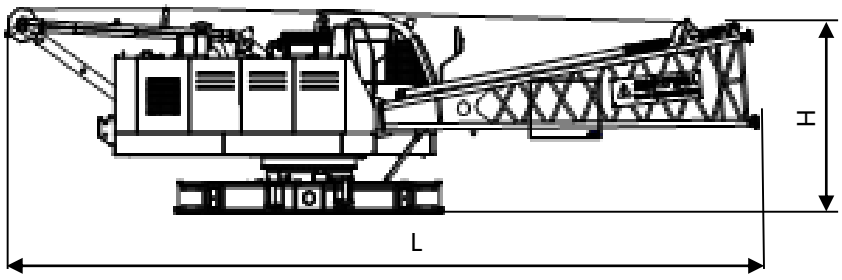
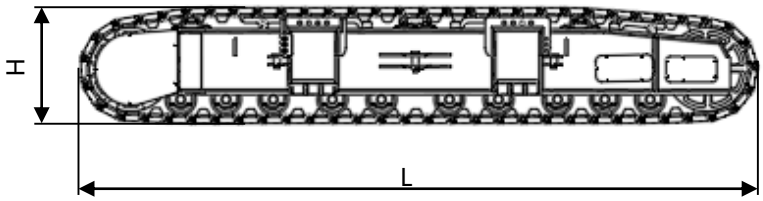
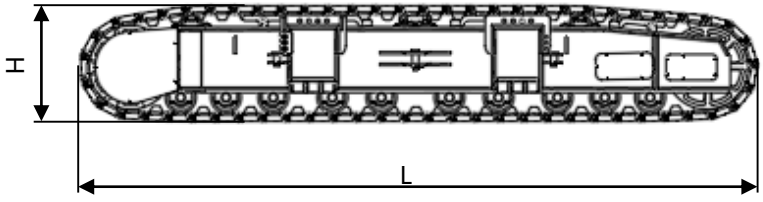
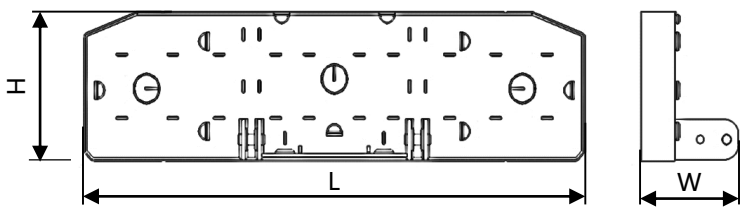


Main boom: 49m

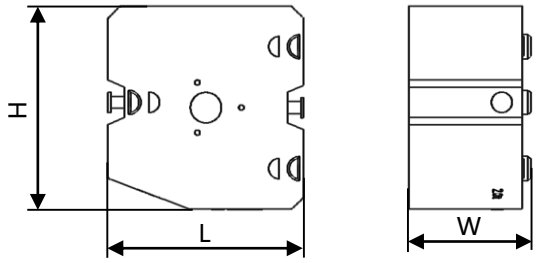
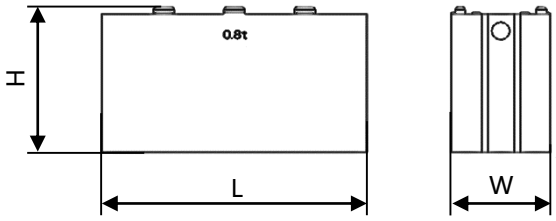
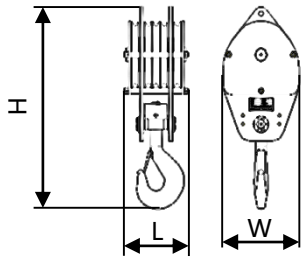
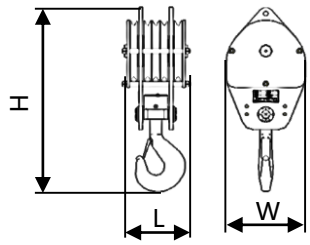
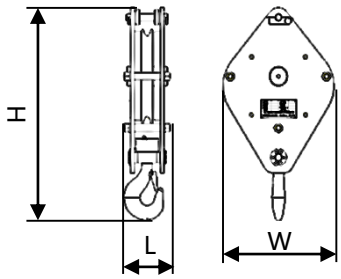
Jib: 7~19m

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

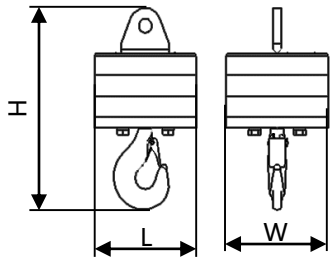
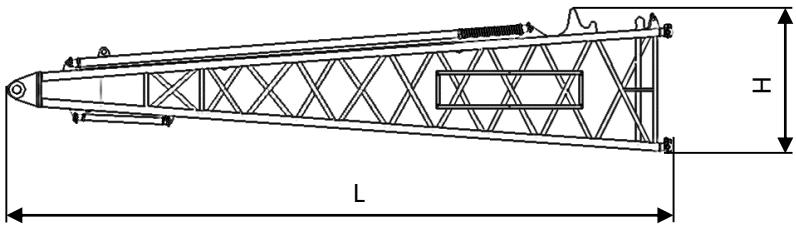
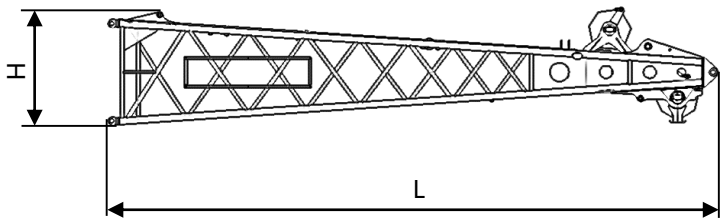
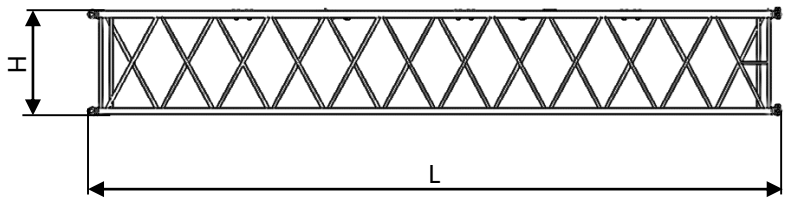
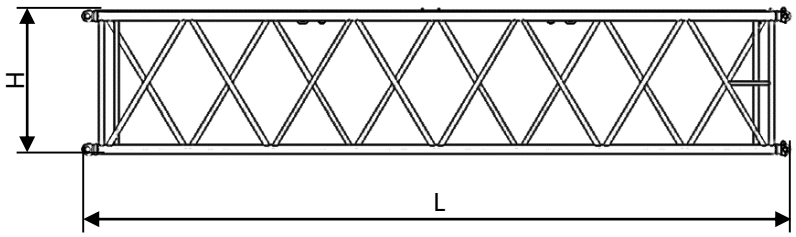
Dimensions of transported components

	Basic crane transport plan 1	×1
	L	13.05 m
	W	3.40 m
	H	3.30 m
	Mass	41.2 t
	Include left and right crawler tracks, luffing pulley block, main boom butt and connecting bar, hydraulic oil about 400L, fuel about 50L	
	Basic crane transport plan 2	×1
	L	13.05 m
	W	3.40 m
	H	2.80 m
	Mass	23 t
	Include luffing pulley block, boom butt section and connecting bar, hydraulic oil about 400L, fuel oil about 50L	
	Left track frame	×1
	L	6370 mm
	W	1180 mm
	H	1130 mm
	Mass	9.5 t
	It is used when not transported with basic crane	
	Right track frame	×1
	L	6370 mm
	W	1180 mm
	H	1130 mm
	Mass	9.5 t
	It is used when not transported with basic crane	
	Counterweight tray	×1
	L	3800 mm
	W	1000 mm
	H	260 mm
	Mass	6 t

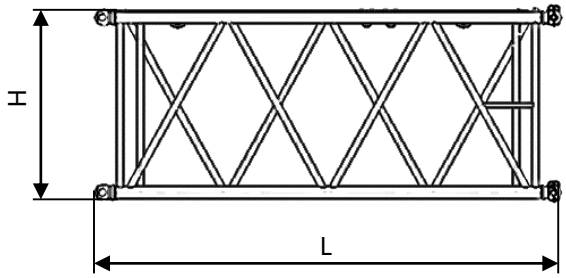
Dimensions of transported components

	Left and right counterweight slabs	×6
	L	1000 mm
	W	950 mm
	H	590 mm
	Mass	2.0 t
	Central counterweight slab	×2
	L	1800 mm
	W	830 mm
	H	62 mm
	Mass	5.1 t
	85t hook block	×1
	L	705 mm
	W	630 mm
	H	1650 mm
	Mass	0.89 t
	55t hook block	×1
	L	540 mm
	W	630 mm
	H	1500 mm
	Mass	0.62 t
	25t hook block	×1
	L	280 mm
	W	620 mm
	H	1200 mm
	Mass	0.3 t

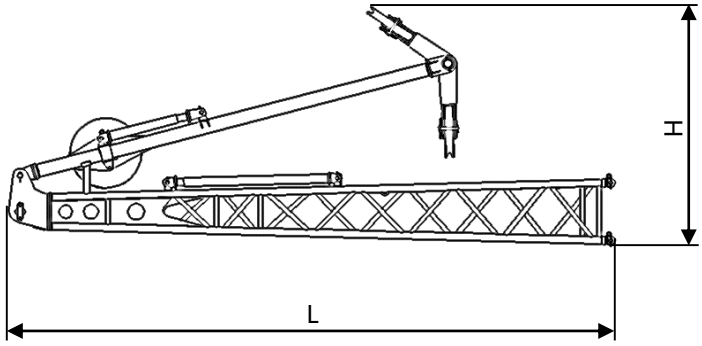
Dimensions of transported components

	8t hook block ×1 L 320 mm W 320 mm H 750 mm Mass 0.26 t
	6.5m main boom butt ×1 L 6670 mm W 1690 mm H 1570 mm Mass 1.086 t Include boom butt, boom backstop, connecting bar, catwalk, it is used when not transported with basic crane
	6.5m main boom top ×1 L 7100 mm W 1690 mm H 1600 mm Mass 1.047 t Include catwalk and the corresponding guy cable
	9m main boom insert ×4 L 9120 mm W 1690 mm H 1420 mm Mass 0.81 t Include catwalk and the corresponding guy cable
	6m main boom insert ×1 L 6120 mm W 1690 mm H 1420 mm Mass 0.59 t Include catwalk and the corresponding guy cable

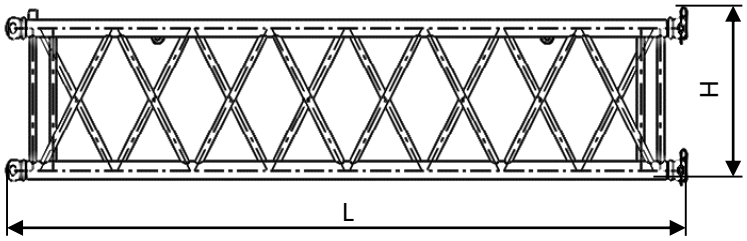
Dimensions of transported components



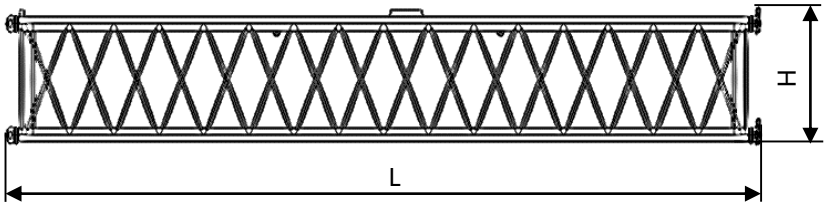
3m main boom insert	×1
L	3120 mm
W	1690 mm
H	1420 mm
Mass	0.34 t
Include catwalk and the corresponding guy cable	



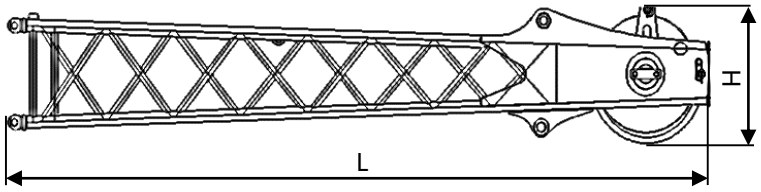
Fixed jib butt	×1
L	4.105 m
W	0.70 m
H	1.653 m
Mass	0.5 t
Include fixed jib butt, fixed jib bracket, front backstop, rear backstop, front guy cable, rear guy cable	



3m fixed jib insert	×2
L	3060 mm
W	655 mm
H	485 mm
Mass	0.104 t

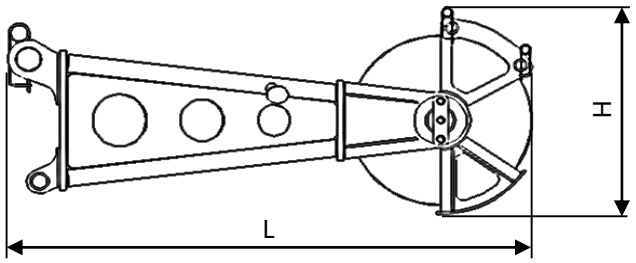


6m fixed jib insert	×1
L	6060 mm
W	655 mm
H	485 mm
Mass	0.192 t

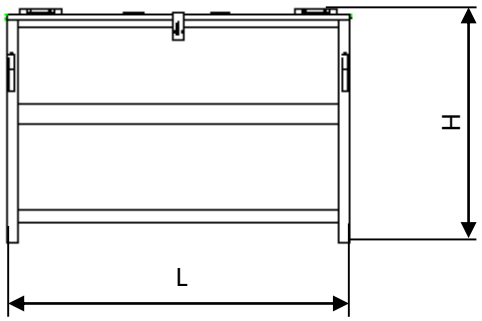


Fixed jib top	×1
L	3330 mm
W	655 mm
H	633 mm
Mass	0.216 t

Dimensions of transported components

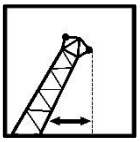


Boom end single pulley	×1
L	1400 mm
W	625 mm
H	562 mm
Mass	0.093 t



Guy cable box	×1
L	1100 mm
W	1100 mm
H	680 mm
Mass	0.163 t
Include filters, tool box, first aid kit, hoisting jack, lever type bag, lifting belt and etc.	

Symbols

	Rated lifting capacity
	Max. main boom and jib combination
	Working radius
	360° slewing

	Max. main boom length
	Turntable counterweight
	Angle between main boom and jib

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

3. Single line speed is the calculated value of the rope on the drum outermost layer (the 5th layer) with engine idle running, which changes according to different loads and operating conditions.

4. The maximum slewing speed refers to the slewing speed when with basic boom length under standard main boom operation mode, empty load, 70° main boom angle, ground slope ≤ 0.5%, wind speed ≤ 8.3m/s, the engine throttle reaches its maximum limit, only conduct slewing movement in high-speed gear, slewing operating lever reaches its maximum stroke.

5. The maximum travel speed refers to the travel speed when with basic boom length under standard main boom operation mode, empty load, 45° main boom angle, solid and no subsidence ground, ground slope ≤ 0.5%, wind speed ≤ 8.3m/s, the engine throttle reaches its maximum limit, only conduct travel movement in high-speed gear, travel operating lever reaches its maximum stroke.

6. Gradeability, refers to the max. climbing drive ability when with basic boom under standard main boom operation mode, no load, the ground is solid, plane and no-subsidence, wind speed ≤ 8.3m / s, maximum engine torque speed, only travel movement, low speed gear, max. stroke of travel control lever, positive direction climbing, lateral gradient ≤ 1%. Choose correct slope climbing method according to ground condition, operation mode combinations for actual climbing, or contact with us.

7. The average ground pressure, refers to the pressure exerted on ground when with basic boom under standard main boom operation mode, no load, the ground is solid, smooth and no-subsidence, ground gradient ≤ 0.5%. The actual ground pressure is related with the ground conditions and operation mode combinations.

8. 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.

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

10. This document 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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