

XGTC160-I CRAWLER CRANE

□ Technical specification



160t



65m

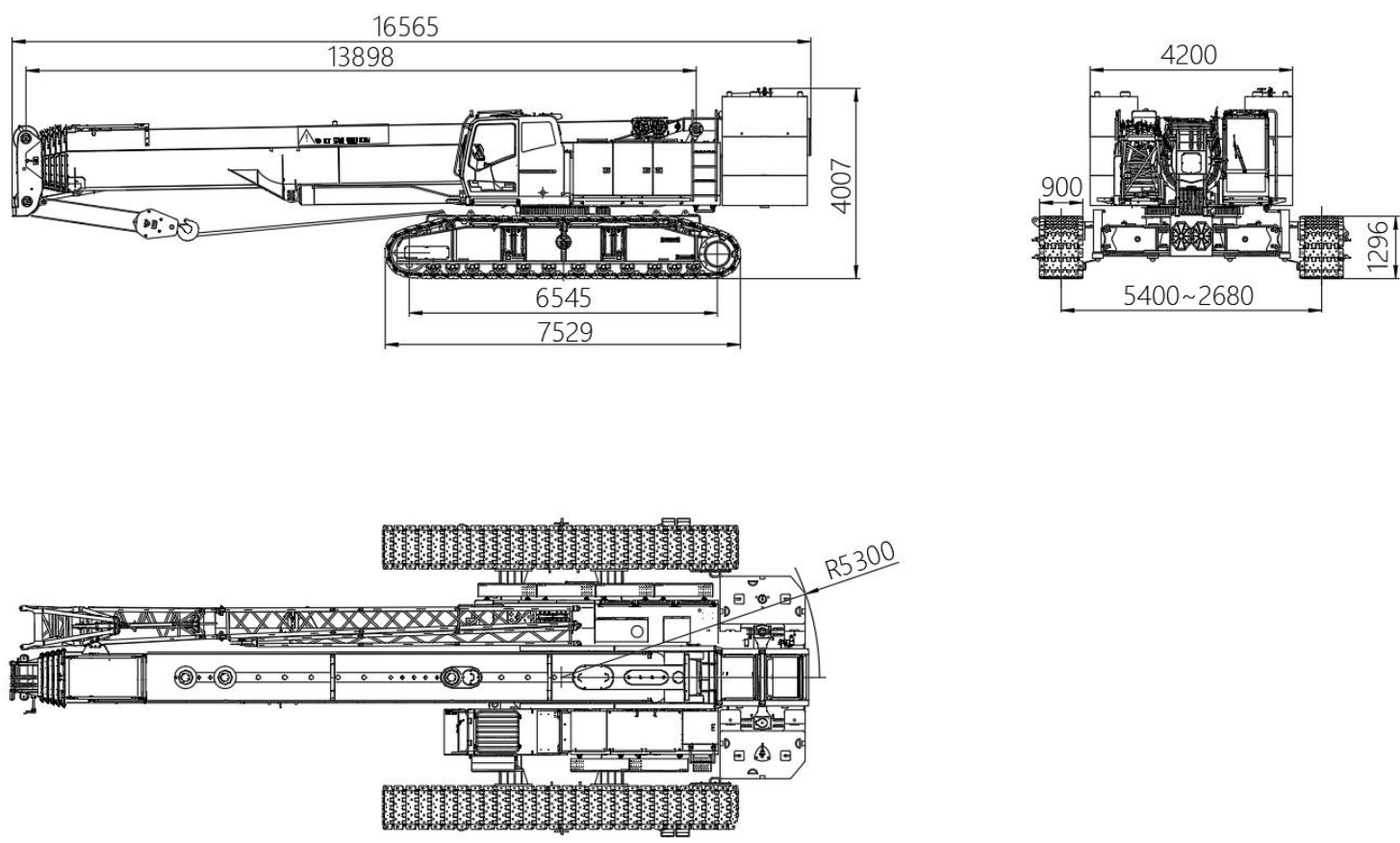


83.5m

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Dimensions (mm)



Technical specifications

➤ Operator' s cab

- The shape of the cab adopts bionic design, and the interior is arranged according to ergonomics, so that the operator can touch all buttons without getting up. It is equipped with touch screen, adjustable seat, air conditioner, power socket and radio to provide the operator with a comfortable operating environment. The cab has large space, with wide field of vision, the operation is comfortable and convenient.

➤ Engine

- Model: Weichai WP10G336E344.
- Type: 6-cylinder in line, water-cooling, turbocharged and inter-cooled, electronic fuel injection, four-stroke diesel engine.
- Emission standard: off-road China stage III.
- Rated power/maximum speed: 247kW/1900rpm.
- Maximum torque/speed: 1500Nm/(1100 ~ 1400)rpm.
- Fuel tank capacity: 520L.

➤ Hydraulic system

- Pumps are driven by engine through drive device to realize hoisting, luffing, telescoping, slewing and travel. Electric proportional load sensitive main system + closed slewing system, which is equipped with independent high-power cooler and large-capacity hydraulic oil tank to ensure stable operating temperature of the system, more suitable for foundation construction conditions.
- Hydraulic oil tank capacity: 900L.

➤ Electrical system

- WIKA (Hirschmann) integrated control system, composed of engine control, safety control, pilot control, load moment indicator control, auxiliary function control, etc.
- The control system has track gauge detection and virtual wall functions, it is intelligent and has high safety under extreme working conditions. CAN-bus transmission and display interface port state query (monitoring all bus sensors) make troubleshooting much easier. Push-in terminal block and heavy-duty connector are used to facilitate maintenance.
- Configured with monitoring systems for winches and turntable tail, improving comfort and safety during operation.

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

➤ Hoisting system

- Planetary reducer is driven by motor, to achieve the lifting and lowering of main or auxiliary hook block through drum.
- Hoisting winch has built-in planetary reducer, with constant closed brake to achieve “spring brake/ hydraulic release” function, safe and reliable.

Main hoisting system	Diameter of wire rope	22mm	Auxiliary hoisting system	Diameter of wire rope	22mm
	Rated single line pull	11.1t		Rated single line pull	10t
	Wire rope length	320m		Wire rope length	210m

Technical specifications

➤ Slewing system

- Slewing system is externally meshed with slewing bearing. The slewing bearing is driven by motor and planetary gear reducer to achieve 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.
- With free sliding function.

➤ 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.
- Track frame: symmetrically arranged, one piece for each side, made of high-strength steel plate and welded in box-type structure.
- Drive sprocket: it is connected on planetary reducer housing with high-strength bolt.
- Track roller: double flange design, with built-in floating seal, self-lubrication.
- Tension roller: The rollers are used to adjust crawler tightness through tensioning device.
- Carrier roller: with built-in floating seal, self-lubrication.
- Track shoe: high-strength alloy steel casting, width 900mm.
- 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.

➤ Hook block

- Hook block configuration is as follows:

Name	130t block	75t block	11t block
Weight (Kg)	1015	653	265
Qty.	1	1	1
Number of pulley	6	3	0

Note: If you need hooks not listed in above table, please contact our company to make sure the hooks can be used.

➤ Counterweight

- Turntable counterweight is 18t, composed of two 5t and two 5.5t counterweight slabs. Turntable counterweight has four combinations, see table below for details.

No.	Weight of turntable counterweight (t)	Combination type of turntable counterweight
1	0	0 (counterweight not installed)
2	18	18
3	28	18+5+5
4	39	18+5+5+5.5+5.5

Technical specifications

➤ Turntable

- Turntable is a key load bearing structural component to connect crane superstructure and undercarriage. It is a box type composite structure welded by high strength steel plate, with boxes at both sides. Turntable is connected to chassis by slewing bearing, with good overall strength and stability. Cab, luffing system, engine system, main pump, hydraulic valve, electrical cabinet, boom and superstructure counterweight are respectively connected to different parts of turntable.

➤ Car-body

- Car-body is radial box structure, welded by high strength steel plate, with features of good rigidity and high strength.

➤ Boom system

- Six boom sections, U-shaped cross section, with single-cylinder pin type telescoping system, single-plate boom head, compact boom tail and embedded slide block. Increased boom length, strong lifting performance and wide application range.
- Main boom length 13.9m ~ 65m, the length is longest among the same ton cranes in industry, meeting the needs of various operating radius within the range of boom length.
- Jib is composed of connecting frame, rotary frame and two lattice fordable jib sections, it has three offset angles: 0°, 15° and 30°, placed near main boom. Fixed jib length: 11m, 18.5m.
- Boom end single pulley is installed on main boom top section, used for the lifting operation with single rope. The lifting performance is the same with main boom, but the max. lifting capacity shall not exceed 10t.

Main technical parameters

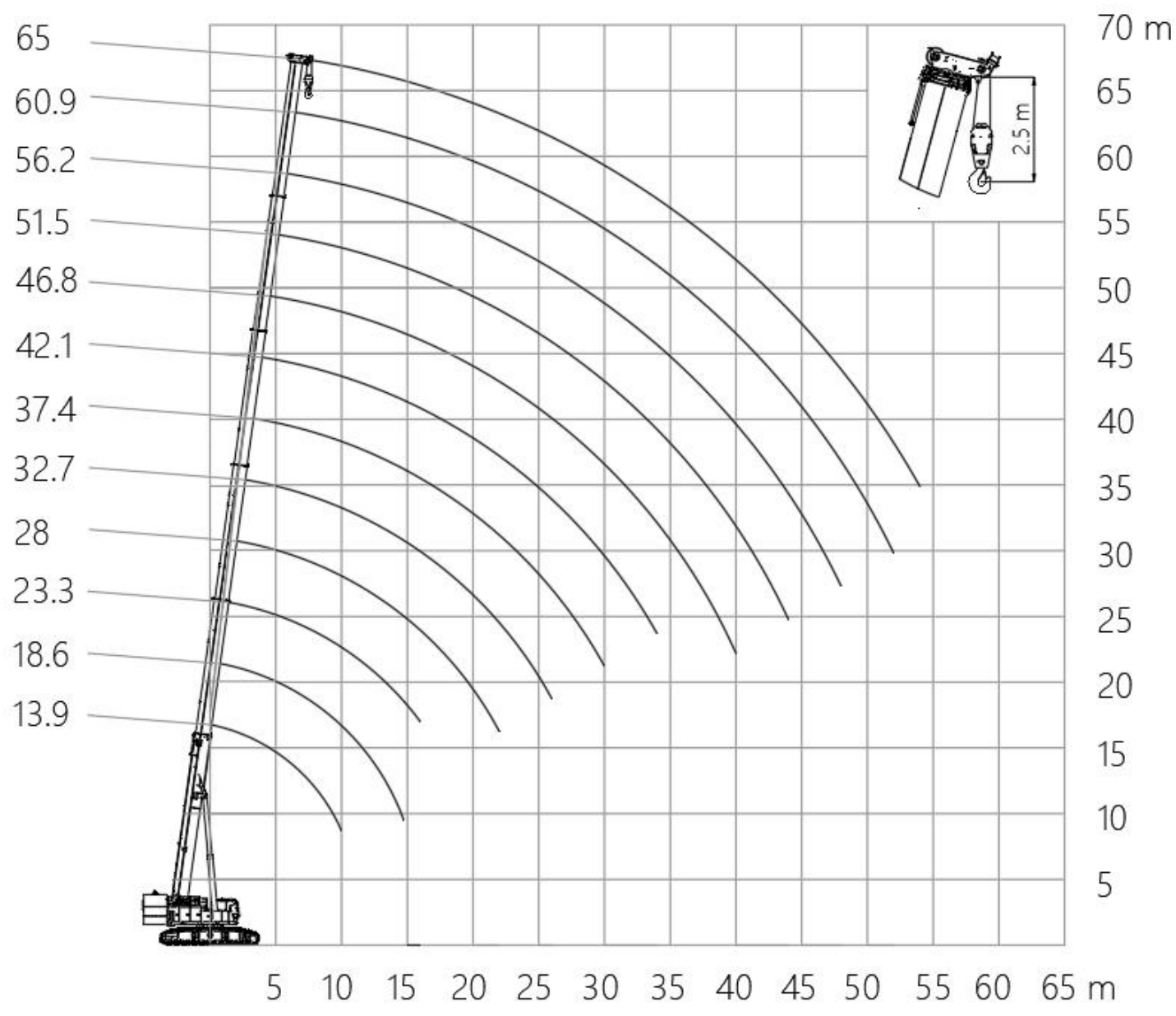
Item			Unit	Value
Lifting performance parameters	Max. rated lifting capacity	Main boom	t	160
		Jib	t	7.8
	Max. lifting moment		t.m	500
	Main boom/jib length	Main boom	m	13.9~65 (six boom sections)
		Jib	m	11/18.5 (two jib sections)
		Max. boom and jib combination	m	83.5 (65+18.5)
Weight parameter	Total crane weight		t	124.2
	Transport weight of basic crane (not include track frames)		t	51.8
	Ground pressure		Mpa	0.1052
Dimension parameters	Max. dimension of single piece in transport state (with crawler tracks)		m	16.566×3.58×3.558
	Outline dimension of the crane		m	16.565×6.3×4.007
	Min. slewing radius		m	5.3
Wire rope	Diameter/single line pull		mm/t	Φ22/11.1 (aux. winch 10)
Speed parameters	Lifting speed	Main winch	m/min	135
		Aux. winch	m/min	135
	Slewing speed		r/min	1.7
	Travel speed		km/h	1.63
	Grade ability		%	45
Power system	Engine brand		/	Weichai
	Power/rated speed		kW/rpm	247/1900
	Maximum torque		Nm	1500
	Fuel tank capacity		L	520
	Emission standard		/	China III

Operation modes and lifting performance

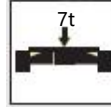
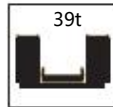
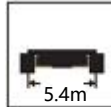


Main boom	Main boom + boom end single pulley	Main boom + fixed jib
Main boom: 13.9 ~ 65m	Main boom: 13.9 ~ 65m	Main boom: 60.9/65 m Fixed jib: 11m/18.5 m

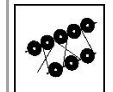
Main boom operation mode (HB)



Main boom operation mode (HB)

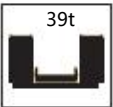
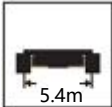


Main boom length 13.9~32.7m

	13.9	18.6			23.3			28			32.7		
2.5	160*												
3	135*												
3.5	130.0	68.8	98.0	110.0									
4	120.0	65.4	97.5	107.0	70.5	93.0	100.0						
4.5	110.0	62.4	95.0	100.0	67.6	89.0	95.0	71.3	83.0	90.0			
5	100.0	59.7	93.0	96.0	64.7	85.0	90.0	68.6	80.0	85.0			
6	81.0	54.7	81.9	81.0	60.5	78.0	80.0	64.0	73.0	80.0	53.1	66.5	70.0
7	67.1	50.5	67.5	66.7	56.2	67.6	66.2	59.8	67.5	67.1	48.3	62.8	65.0
8	56.7	47.4	57.1	56.4	52.5	57.3	55.9	56.4	57.2	56.8	44.4	59.0	57.7
9	48.8	44.3	49.3	48.6	49.6	49.5	48.2	51.7	49.4	49.0	40.6	51.5	49.9
10	42.5	41.5	43.2	42.5	45.3	43.4	42.1	45.6	43.3	42.9	37.5	45.3	43.8
12		35.2	34.1	33.4	36.2	34.3	33.1	36.5	34.2	33.9	32.8	36.2	34.7
14		28.8	27.8	27.1	29.8	28.0	26.7	30.1	27.9	27.5	29.2	29.8	28.4
16					25.1	23.2	22.0	25.3	23.2	22.8	25.4	25.1	23.7
18					21.4	19.5	18.1	21.7	19.4	19.0	21.7	21.5	20.0
20								18.5	16.2	15.8	18.6	18.3	16.7
22								15.9	13.6	13.2	16.0	15.7	14.1
24											13.8	13.6	12.1
26											12.1	11.8	10.3
Main boom combination	00000	00001	00100	01000	00011	01100	11000	00111	02100	11100	00211	01111	11110
	12	12			10			8			7		

Note: the capacities with “*” in the table are realized by using auxiliary device and adding pulley block.

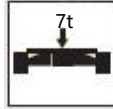
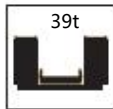
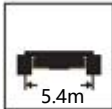
Main boom operation mode (HB)



Main boom length 37.4~51.5m

	37.4			42.1			46.8			51.5		
7	56.4	63.0	58.4									
8	52.0	58.0	53.1	39.3	51.8	50.2						
9	48.0	50.9	48.7	37.1	48.4	46.4	29.2	38.3	40.0			
10	44.6	44.7	43.2	35.2	43.5	42.8	27.7	36.3	38.5	26.0	30.4	31.4
12	35.9	35.6	34.2	31.8	35.2	34.6	25.2	32.9	33.4	23.8	28.1	29.3
14	29.5	29.3	27.8	28.8	29.2	28.6	22.9	28.6	27.7	22.0	24.7	25.8
16	24.8	24.5	23.1	25.2	24.4	23.9	21.0	24.1	23.3	20.5	22.0	23.0
18	21.2	20.9	19.4	21.5	20.7	20.2	19.3	20.4	19.7	19.0	19.9	19.4
20	18.0	17.7	16.2	18.4	17.6	17.1	17.8	17.5	16.8	17.8	17.5	16.7
22	15.4	15.1	13.6	15.8	15.0	14.5	16.2	15.2	14.5	15.9	15.2	14.4
24	13.3	13.0	11.5	13.7	12.9	12.4	14.1	13.1	12.4	14.0	13.4	12.5
26	11.5	11.3	9.8	12.0	11.2	10.7	12.3	11.4	10.6	12.4	11.8	10.9
28	10.1	9.8	8.3	10.5	9.7	9.2	10.9	9.9	9.2	10.9	10.3	9.4
30	8.8	8.5	7.1	9.2	8.5	8.0	9.6	8.7	8.0	9.7	9.0	8.2
32				8.2	7.4	6.9	8.5	7.6	6.9	8.6	8.0	7.1
34				7.2	6.4	6.0	7.6	6.6	5.9	7.6	7.0	6.2
36							6.7	5.8	5.1	6.8	6.2	5.4
38							6.0	5.1	4.4	6.1	5.5	4.6
40							5.3	4.4	3.7	5.4	4.8	4.0
42										4.8	4.2	3.4
44										4.3	3.7	2.8
Main boom combination	02111	11111	21110	11112	12111	21111	11122	12211	22111	11222	12221	22211
	6			5			5			3		

Main boom operation mode (HB)

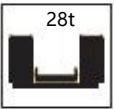


Main boom length 56.2~65m

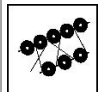
	56.2		60.9	65
12	22.3	24.0		
14	21.1	22.7	19.2	15.5
16	19.4	20.1	18.2	15.4
18	17.5	18.1	16.3	14.9
20	15.8	16.3	14.8	13.5
22	14.5	14.4	14.0	12.5
24	13.3	12.6	12.7	11.6
26	12.0	11.1	11.2	10.6
28	10.7	9.8	9.9	9.7
30	9.5	8.6	8.9	8.7
32	8.4	7.5	7.9	7.7
34	7.5	6.6	7.0	6.9
36	6.6	5.7	6.2	6.2
38	5.9	5.0	5.5	5.5
40	5.3	4.3	4.8	4.8
42	4.7	3.7	4.2	4.2
44	4.1	3.2	3.7	3.7
46	3.6	2.7	3.2	3.2
48	3.2	2.3	2.7	2.8
50			2.3	2.4
52			2.0	2.0
54				1.7
Main boom combination	12222	22221	22222	33333
	3		2	2

Main boom operation mode (HB)





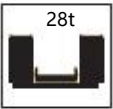
Main boom length 13.9~32.7m

	13.9	18.6			23.3			28			32.7		
2.5	160*												
3	135*												
3.5	130.0	68.8	98.0	110.0									
4	120.0	65.4	97.5	107.0	70.5	93.0	100.0						
4.5	105.3	62.4	95.0	100.0	67.6	89.0	95.0	71.3	83.0	90.0			
5	91.9	59.7	92.9	92.0	64.7	85.0	90.0	68.6	80.0	85.0			
6	72.7	54.7	73.7	72.9	60.5	73.9	72.4	64.0	73.0	73.3	53.1	66.5	70.0
7	59.9	50.5	60.8	60.0	56.2	61.0	59.6	59.8	60.9	60.5	48.3	61.5	59.2
8	50.6	47.4	51.5	50.7	52.5	51.7	50.3	53.9	51.5	51.2	44.4	52.7	50.4
9	43.5	44.3	44.4	43.6	46.5	44.5	43.2	46.8	44.4	44.1	40.6	45.8	43.7
10	37.8	39.9	38.8	38.0	40.9	38.9	37.7	41.1	38.8	38.5	37.5	40.4	38.4
12		31.2	29.9	29.0	32.4	30.1	28.6	32.5	29.9	29.5	31.7	31.4	29.7
14		24.3	23.0	22.2	25.4	23.2	21.8	25.7	23.1	22.7	25.6	25.3	23.7
16					20.6	18.5	17.1	20.9	18.4	18.0	20.9	20.6	19.0
18					17.0	14.9	13.6	17.3	14.9	14.5	17.3	17.0	15.4
20								14.5	12.2	11.8	14.6	14.3	12.7
22								12.3	10.0	9.6	12.4	12.1	10.6
24											10.6	10.3	8.8
26											9.1	8.9	7.4
Main boom combination	00000	00001	00100	01000	00011	01100	11000	00111	02100	11100	00211	01111	11110
	12	12			10			8			7		

Note: the capacities with “*” in the table are realized by using auxiliary device and adding pulley block.

Main boom operation mode (HB)

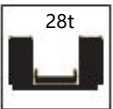




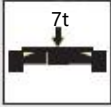
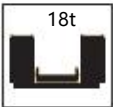
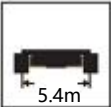
Main boom length 37.4~51.5m

	37.4			42.1			46.8			51.5		
7	56.4	57.2	55.0									
8	49.6	49.2	47.1	39.3	46.7	46.0						
9	43.3	42.9	40.9	37.1	40.9	40.2	29.2	38.3	38.5			
10	38.3	37.9	35.9	35.2	36.2	35.6	27.7	35.1	34.1	26.0	30.4	31.4
12	30.2	29.9	28.3	29.9	29.0	28.5	25.2	28.4	27.4	23.8	27.9	26.8
14	24.3	24.1	22.5	24.2	23.3	22.8	22.9	22.9	22.2	22.0	22.7	21.8
16	20.1	19.8	18.3	20.0	19.2	18.7	19.9	18.9	18.2	19.4	18.8	17.9
18	16.7	16.4	14.8	16.9	16.1	15.6	16.8	15.9	15.2	16.5	15.8	15.0
20	14.0	13.7	12.1	14.4	13.6	13.1	14.4	13.5	12.8	14.1	13.5	12.7
22	11.8	11.5	10.0	12.2	11.4	10.9	12.5	11.6	10.9	12.2	11.6	10.8
24	10.0	9.7	8.3	10.5	9.7	9.2	10.8	9.9	9.1	10.7	10.1	9.2
26	8.6	8.3	6.8	9.0	8.2	7.7	9.4	8.4	7.7	9.4	8.8	7.9
28	7.3	7.1	5.6	7.8	7.0	6.5	8.1	7.2	6.5	8.2	7.6	6.7
30	6.3	6.0	4.6	6.7	5.9	5.4	7.1	6.1	5.4	7.1	6.5	5.7
32				5.8	5.0	4.5	6.2	5.2	4.5	6.2	5.6	4.8
34				5.0	4.2	3.8	5.4	4.4	3.7	5.4	4.8	4.0
36							4.7	3.7	3.0	4.7	4.1	3.3
38							4.0	3.1	2.4	4.1	3.5	2.7
40							3.5	2.6	1.9	3.6	2.9	2.1
42										3.1	2.4	1.6
44										2.6	2.0	1.2
Main boom combination	02111	11111	21110	11112	12111	21111	11122	12211	22111	11222	12221	22211
	6			5			5			3		

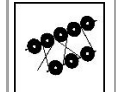
Main boom operation mode (HB)

						Main boom length 56.2~65m			
		56.2		60.9	65				
12	22.3	24.0							
14	21.1	21.5	19.2	15.5					
16	18.7	17.8	17.7	15.4					
18	15.8	14.9	14.9	14.5					
20	13.6	12.6	12.7	12.4					
22	11.7	10.8	10.9	10.6					
24	10.2	9.3	9.4	9.2					
26	9.0	8.0	8.2	8.0					
28	7.9	7.0	7.2	7.0					
30	6.9	6.0	6.3	6.1					
32	6.1	5.1	5.5	5.3					
34	5.3	4.3	4.8	4.6					
36	4.6	3.6	4.1	4.0					
38	4.0	3.0	3.5	3.5					
40	3.4	2.5	2.9	3.0					
42	2.9	2.0	2.4	2.5					
44	2.5	1.5	2.0	2.0					
46	2.0		1.6	1.6					
48			1.2	1.3					
Main boom combination	12222	22221	22222	33333					
	3		2	2					

Main boom operation mode (HB)

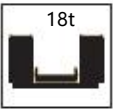


Main boom length 13.9~32.7m

	13.9	18.6			23.3			28			32.7		
2.5	160*												
3	135*												
3.5	130.0	68.8	98.0	110.0									
4	110.8	65.4	97.5	107.0	70.5	93.0	100.0						
4.5	94.9	62.4	95.0	95.0	67.6	89.0	94.5	71.3	83.0	89.1			
5	82.7	59.7	83.7	82.8	64.7	83.9	82.3	68.6	78.7	78.0			
6	65.7	54.7	66.6	65.8	60.5	66.7	65.3	64.0	62.5	61.9	53.1	61.5	59.0
7	54.0	50.5	54.9	54.1	56.2	55.1	53.1	54.9	51.4	50.8	48.3	51.3	49.0
8	45.5	47.4	46.4	45.6	48.6	46.1	44.2	46.6	43.2	42.7	44.2	43.8	41.6
9	38.6	41.0	39.8	38.9	41.4	39.0	37.4	40.3	37.0	36.5	38.3	38.0	35.9
10	32.0	34.6	33.2	32.3	35.5	33.2	31.7	34.8	32.1	31.6	33.7	33.4	31.3
12		25.5	24.2	23.3	26.7	24.4	22.9	26.8	24.2	23.8	26.1	25.8	24.1
14		19.6	18.3	17.5	20.8	18.6	17.1	21.1	18.5	18.1	20.9	20.6	19.0
16					16.6	14.5	13.1	16.9	14.4	14.0	16.9	16.6	15.0
18					13.6	11.5	10.1	13.8	11.4	11.0	13.9	13.6	12.0
20								11.5	9.1	8.7	11.5	11.2	9.7
22								9.6	7.3	6.9	9.6	9.4	7.8
24											8.1	7.9	6.3
26											6.9	6.6	5.1
Main boom combination	00000	00001	00100	01000	00011	01100	11000	00111	02100	11100	00211	01111	11110
	12	12			10			8			7		

Note: the capacities with "*" in the table are realized by using auxiliary device and adding pulley block.

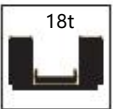
Main boom operation mode (HB)



Main boom length 37.4~51.5m

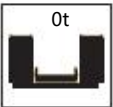
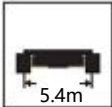
	37.4			42.1			46.8			51.5		
7	48.0	47.6	45.3									
8	41.1	40.7	38.6	39.3	38.6	37.9						
9	35.8	35.4	33.3	34.8	33.6	33.0	29.2	32.5	31.5			
10	31.5	31.1	29.1	30.7	29.7	29.0	27.7	28.7	27.7	26.0	28.1	26.9
12	24.7	24.4	22.8	24.5	23.6	23.0	24.1	23.0	22.1	23.4	22.7	21.5
14	19.7	19.4	17.9	19.6	18.8	18.3	19.4	18.4	17.7	18.9	18.2	17.3
16	16.1	15.8	14.3	16.1	15.3	14.8	16.0	15.0	14.3	15.6	14.9	14.1
18	13.3	13.0	11.4	13.4	12.6	12.1	13.4	12.5	11.7	13.1	12.4	11.6
20	10.9	10.6	9.1	11.3	10.5	10.0	11.4	10.4	9.7	11.1	10.5	9.6
22	9.1	8.8	7.3	9.5	8.7	8.2	9.7	8.8	8.1	9.5	8.9	8.0
24	7.6	7.3	5.8	8.0	7.2	6.7	8.4	7.4	6.7	8.2	7.6	6.7
26	6.3	6.0	4.6	6.7	5.9	5.4	7.1	6.1	5.4	7.1	6.5	5.6
28	5.3	5.0	3.5	5.7	4.9	4.4	6.0	5.1	4.4	6.1	5.5	4.6
30	4.4	4.1	2.6	4.8	4.0	3.5	5.1	4.2	3.5	5.2	4.6	3.7
32				4.0	3.2	2.7	4.4	3.4	2.7	4.4	3.8	3.0
34				3.3	2.5	2.1	3.7	2.8	2.1	3.8	3.1	2.3
36							3.1	2.2	1.5	3.2	2.5	1.7
38							2.5	1.6		2.6	2.0	1.2
40										2.1	1.5	
Main boom combination	02111	11111	21110	11112	12111	21111	11122	12211	22111	11222	12221	22211
	6			5			5			3		

Main boom operation mode (HB)

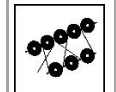
						Main boom length 56.2~65m		
		56.2		60.9		65		
12		22.3		21.3				
14		18.1		17.1		17.0		15.5
16		14.9		13.9		13.9		13.5
18		12.5		11.5		11.6		11.2
20		10.6		9.6		9.7		9.4
22		9.0		8.1		8.2		7.9
24		7.7		6.8		7.0		6.7
26		6.6		5.7		5.9		5.7
28		5.7		4.8		5.0		4.9
30		5.0		4.1		4.3		4.1
32		4.3		3.3		3.6		3.5
34		3.6		2.7		3.0		2.9
36		3.0		2.1		2.5		2.4
38		2.5		1.5		2.0		2.0
40		2.0				1.5		1.6
Main boom combination		12222		22221		22222		33333
		3		2		2		

Note: the capacities with “*” in the table are realized by using auxiliary device and adding pulley block.

Main boom operation mode (HB)

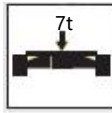
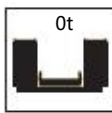
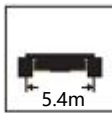


Main boom length 13.9~32.7m

	13.9	18.6			23.3			28			32.7		
2.5	160*												
3	130.0												
3.5	107.0	68.8	98.0	107.1									
4	89.3	65.4	88.0	86.2	70.5	77.1	74.4						
4.5	76.8	62.4	73.0	71.5	67.6	65.1	62.6	62.8	58.4	57.6			
5	67.1	59.7	62.1	60.6	59.8	56.1	53.7	54.9	50.7	50.0			
6	50.8	49.1	47.1	45.8	46.6	43.3	41.1	43.5	39.7	39.1	40.5	40.1	37.6
7	39.0	39.2	37.4	36.2	37.8	34.7	32.7	35.7	32.1	31.5	33.4	33.1	30.7
8	29.8	32.1	30.5	29.4	31.5	28.5	26.6	29.9	26.5	26.0	28.2	27.9	25.6
9	23.5	26.2	24.7	23.7	26.7	23.9	22.1	25.5	22.3	21.8	24.2	23.8	21.7
10	19.0	21.6	20.2	19.2	22.6	20.3	18.5	22.1	19.0	18.4	21.0	20.7	18.6
12		15.3	14.0	13.1	16.5	14.2	12.7	16.6	14.0	13.5	16.0	15.8	13.9
14		11.2	9.9	9.1	12.4	10.2	8.7	12.7	10.1	9.7	12.5	12.2	10.6
16					9.5	7.4	6.0	9.8	7.3	6.9	9.8	9.5	7.9
18					7.4	5.3	3.9	7.6	5.2	4.8	7.7	7.4	5.8
20								6.0	3.6	3.2	6.0	5.8	4.2
22								4.7	2.4	2.0	4.7	4.5	2.9
24											3.7	3.4	1.9
26											2.8	2.6	
Main boom combination	0000 0	0000 1	0010 0	0100 0	0001 1	0110 0	1100 0	0011 1	0210 0	1110 0	0021 1	0111 1	1111 0
	12	12			10			8			7		

Note: the capacities with “*” in the table are realized by using auxiliary device and adding pulley block.

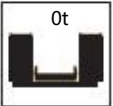
Main boom operation mode (HB)



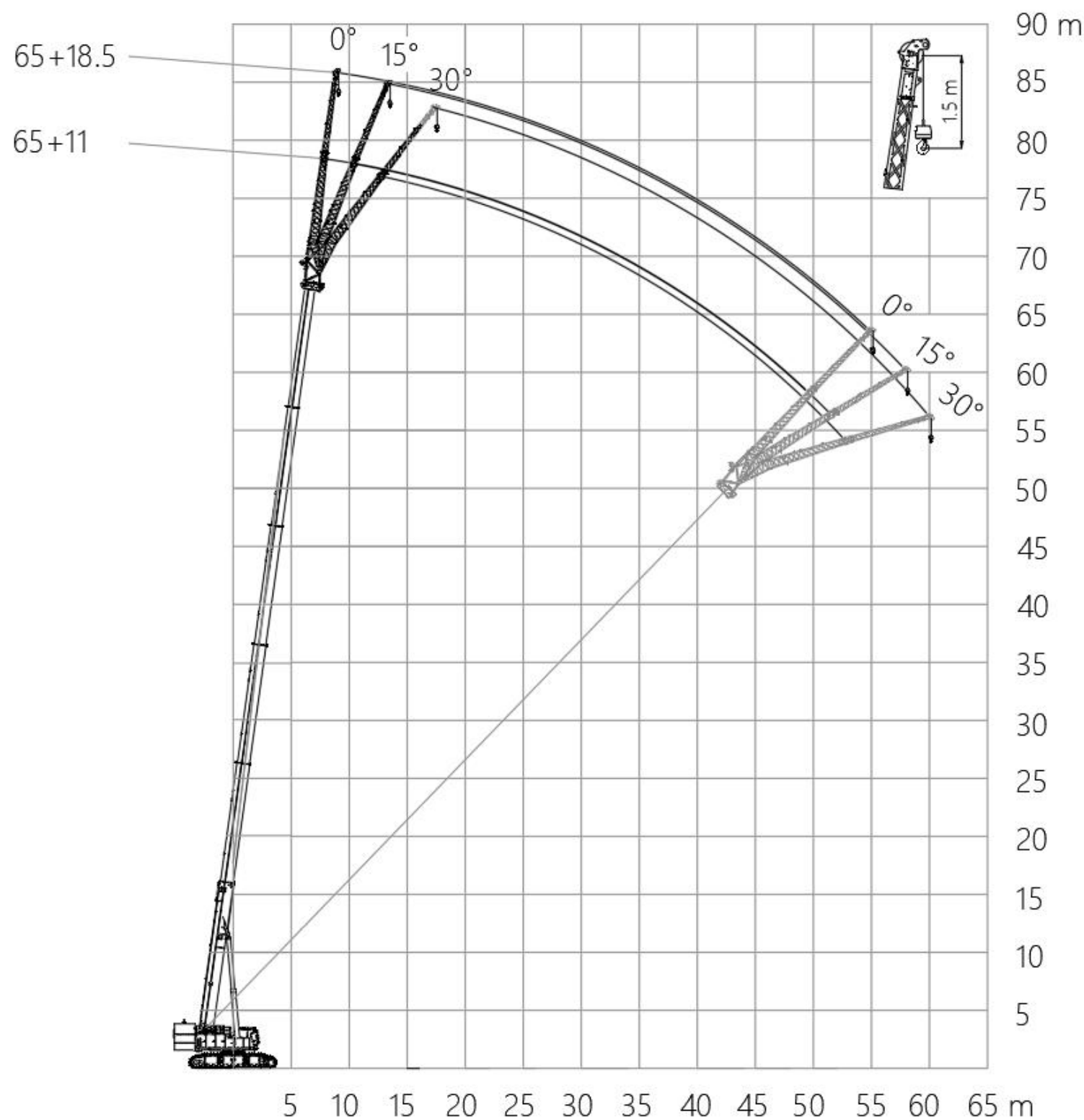
Main boom length 37.4~51.5m

	37.4			42.1			46.8			51.5		
7	30.6	30.2	27.9									
8	25.9	25.5	23.3	25.1	23.9	23.2						
9	22.2	21.8	19.7	21.7	20.6	19.9	21.1	19.8	18.8			
10	19.2	18.9	16.9	18.9	17.8	17.1	18.5	17.3	16.3	17.8	17.0	15.8
12	14.8	14.4	12.5	14.7	13.7	13.0	14.5	13.3	12.4	13.9	13.2	12.1
14	11.4	11.1	9.4	11.4	10.6	10.0	11.3	10.3	9.5	10.9	10.2	9.3
16	8.9	8.7	7.1	9.0	8.2	7.7	9.0	8.0	7.3	8.6	8.0	7.1
18	7.1	6.8	5.2	7.2	6.4	5.9	7.2	6.3	5.5	6.9	6.3	5.4
20	5.4	5.1	3.6	5.8	5.0	4.5	5.8	4.9	4.2	5.6	5.0	4.1
22	4.1	3.9	2.4	4.6	3.8	3.3	4.7	3.8	3.1	4.5	3.9	3.1
24	3.1	2.8	1.4	3.5	2.7	2.2	3.8	2.9	2.2	3.6	3.0	2.2
26	2.2	2.0		2.7	1.9	1.4	3.0	2.1	1.4	2.9	2.3	1.5
28				1.9			2.3	1.4		2.3	1.7	
Main boom combination	02111	11111	21110	11112	12111	21111	11122	12211	22111	11222	12221	22211
	6			5			5			3		

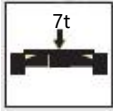
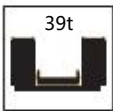
Main boom operation mode (HB)

						Main boom length 56.2~65m			
		56.2		60.9		65			
12		13.1		12.1					
14		10.2		9.2		9.1		8.7	
16		8.0		7.1		7.1		6.7	
18		6.4		5.5		5.5		5.2	
20		5.1		4.2		4.3		4.1	
22		4.1		3.2		3.3		3.1	
24		3.2		2.3		2.5		2.3	
26		2.5		1.6		1.8		1.6	
28		1.9							
Main boom combination		12222		22221		22222		33333	
		3		2		2			

Fixed jib operation mode (HF)



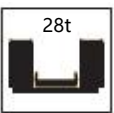
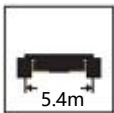
Fixed jib operation mode (HF)



Jib length: 11/18.5m

	11m			18.5m		
	0°	15°	30°	0°	15°	30°
18	7.8					
20	7.6	5.7		3.8		
22	7.4	5.6	4.3	3.7		
24	7.2	5.5	4.1	3.7	2.6	
26	7.1	5.4	4.0	3.6	2.5	
28	6.8	5.2	3.8	3.6	2.3	1.5
30	6.7	5.1	3.7	3.5	2.2	1.4
32	6.5	5.0	3.6	3.3	2.1	1.4
34	6.2	4.9	3.5	3.2	2.0	1.4
36	5.5	4.8	3.4	3.0	1.9	1.3
38	4.9	4.6	3.2	2.8	1.7	1.3
40	4.4	4.4	3.1	2.7	1.6	1.3
42	3.9	4.2	3.0	2.6	1.6	1.2
44	3.5	3.7	3.1	2.4	1.6	1.2
46	3.0	3.3	3.0	2.3	1.5	1.2
48	2.6	2.8	2.9	2.2	1.5	1.2
50		2.4	2.6	2.1	1.4	1.2
52		2.0	2.2	1.9	1.4	1.1
54			1.8	1.9	1.4	1.1
56			1.5		1.3	1.1
58					1.1	1.1
60						1.0
Main boom combination	22222					
	1					

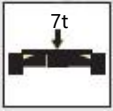
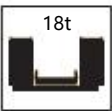
Fixed jib operation mode (HF)



Jib length: 11/18.5m

	11m			18.5m		
	0°	15°	30°	0°	15°	30°
18	7.8					
20	7.6	5.7		3.8		
22	7.4	5.6	4.3	3.7		
24	7.2	5.5	4.1	3.7	2.6	
26	7.1	5.4	4.0	3.6	2.5	
28	6.5	5.2	3.8	3.6	2.3	1.5
30	5.7	5.1	3.7	3.5	2.2	1.4
32	5.0	5.0	3.6	3.3	2.1	1.4
34	4.3	4.7	3.5	3.2	2.0	1.4
36	3.7	4.1	3.4	3.0	1.9	1.3
38	3.2	3.6	3.2	2.8	1.7	1.3
40	2.8	3.1	3.1	2.7	1.6	1.3
42	2.4	2.7	2.9	2.5	1.6	1.2
44	2.0	2.3	2.5	2.1	1.6	1.2
46	1.7	1.9	2.1	1.8	1.5	1.2
48	1.3	1.6	1.8	1.5	1.5	1.2
50		1.2	1.4	1.2	1.4	1.2
52			1.0		1.3	1.1
54					1.0	1.1
56						1.1
Main boom combination	22222					
	1					

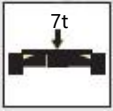
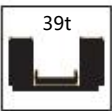
Fixed jib operation mode (HF)



Jib length: 11/18.5m

	11m			18.5m		
	0°	15°	30°	0°	15°	30°
18	7.8					
20	7.6	5.7		3.8		
22	7.4	5.6	4.3	3.7		
24	6.2	5.5	4.1	3.7	2.6	
26	5.3	5.4	4.0	3.6	2.5	
28	4.4	5.0	3.8	3.6	2.3	1.5
30	3.7	4.2	3.7	3.5	2.2	1.4
32	3.1	3.6	3.6	3.1	2.1	1.4
34	2.6	3.0	3.4	2.6	2.0	1.4
36	2.1	2.5	2.8	2.2	1.9	1.3
38	1.7	2.0	2.3	1.8	1.7	1.3
40	1.3	1.6	1.9	1.4	1.6	1.3
42		1.3	1.5	1.1	1.6	1.2
44			1.2		1.2	1.2
46						1.2
48						1.0
Main boom configuration	22222					
	1					

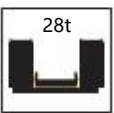
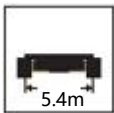
Fixed jib operation mode (HF)



Jib length: 11/18.5m

	11m			18.5m		
	0°	15°	30°	0°	15°	30°
18	7.4					
20	7.2	5.6				
22	7.1	5.5	4.3	3.4		
24	7.0	5.3	4.0	3.4	2.6	
26	6.8	5.2	3.9	3.3	2.5	
28	6.6	5.1	3.8	3.3	2.3	1.6
30	6.5	4.9	3.6	3.3	2.2	1.5
32	6.3	4.8	3.5	3.2	2.1	1.4
34	6.0	4.7	3.4	3.2	2.0	1.5
36	5.3	4.7	3.3	3.0	1.9	1.4
38	4.7	4.6	3.2	2.9	1.7	1.3
40	4.2	4.4	3.1	2.8	1.6	1.4
42	3.7	4.0	3.0	2.6	1.5	1.3
44	3.3	3.5	3.0	2.5	1.5	1.3
46	2.9	3.1	2.9	2.4	1.5	1.1
48	2.5	2.8	2.9	2.3	1.4	1.2
50	2.1	2.4	2.6	2.1	1.4	1.1
52	1.8	2.0	2.2	2.0	1.4	1.2
54		1.7	1.8	1.7	1.4	1.1
56			1.5	1.5	1.4	1.1
58					1.3	1.1
60					1.3	1.0
Main boom combination	33333					
	1					

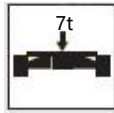
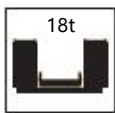
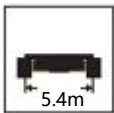
Fixed jib operation mode (HF)



Jib length: 11/18.5m

	11m			18.5m		
	0°	15°	30°	0°	15°	30°
18	7.4					
20	7.2	5.6				
22	7.1	5.5	4.3	3.4		
24	7.0	5.3	4.0	3.4	2.6	
26	6.8	5.2	3.9	3.3	2.5	
28	6.2	5.1	3.8	3.3	2.3	1.6
30	5.4	4.9	3.6	3.3	2.2	1.5
32	4.7	4.8	3.5	3.2	2.1	1.4
34	4.1	4.5	3.4	3.2	2.0	1.5
36	3.5	3.9	3.3	3.0	1.9	1.4
38	3.0	3.4	3.2	2.9	1.7	1.3
40	2.6	2.9	3.1	2.6	1.6	1.4
42	2.2	2.5	2.7	2.2	1.5	1.3
44	1.8	2.1	2.3	1.9	1.5	1.3
46	1.5	1.7	2.0	1.6	1.5	1.1
48	1.2	1.4	1.6	1.3	1.4	1.2
50		1.1	1.3		1.4	1.1
52			1.0		1.1	1.2
54						1.1
Main boom combination	33333					
	1					

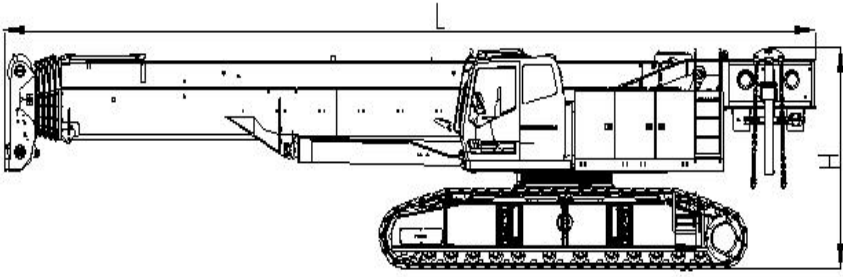
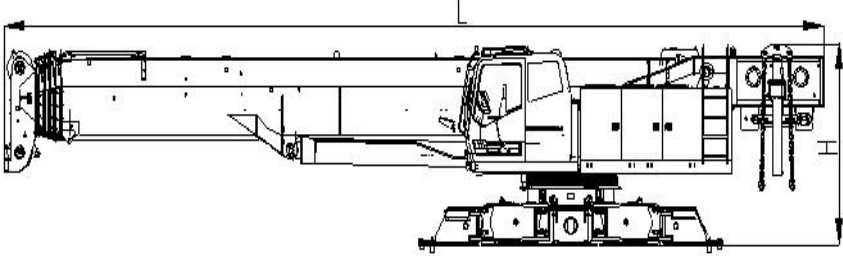
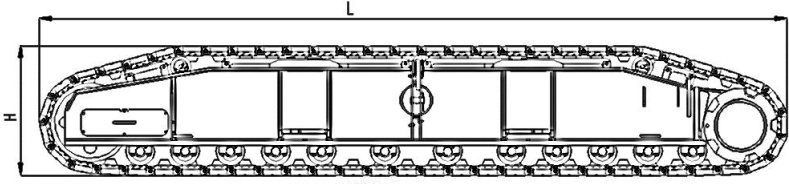
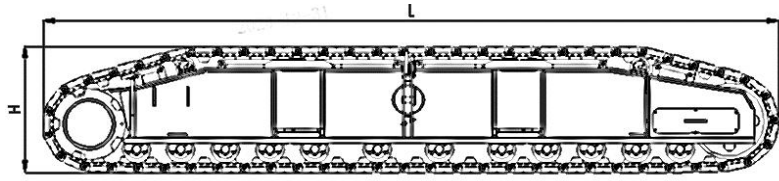
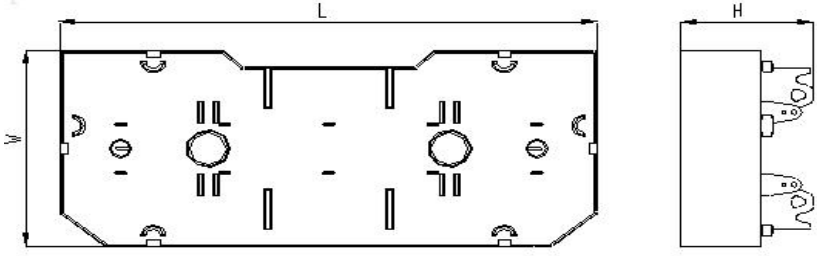
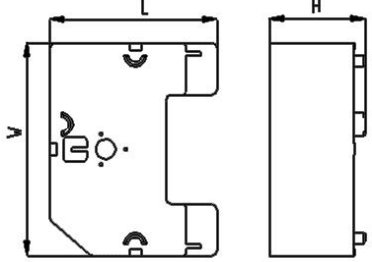
Fixed jib operation mode (HF)



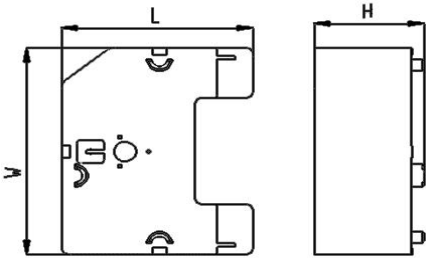
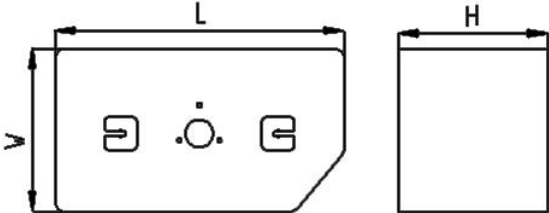
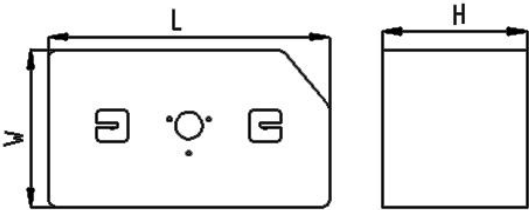
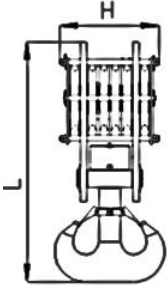
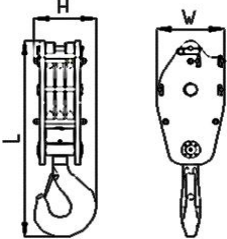
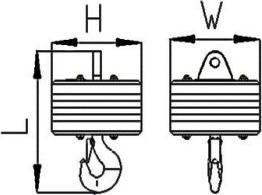
Jib length: 11/18.5m

	11m			18.5m		
	0°	15°	30°	0°	15°	30°
18	7.4					
20	7.2	5.6				
22	7.0	5.5	4.3	3.4		
24	5.9	5.3	4.0	3.4	2.6	
26	5.0	5.2	3.9	3.3	2.5	
28	4.2	4.7	3.8	3.3	2.3	1.6
30	3.5	4.0	3.6	3.3	2.2	1.5
32	2.9	3.3	3.5	2.8	2.1	1.4
34	2.4	2.8	3.1	2.3	2.0	1.5
36	1.9	2.3	2.6	1.9	1.9	1.4
38	1.5	1.8	2.2	1.5	1.7	1.3
40	1.1	1.4	1.7	1.1	1.6	1.4
42		1.1	1.4		1.4	1.3
44						1.3
46						1.1
Main boom combination	33333					
	1					

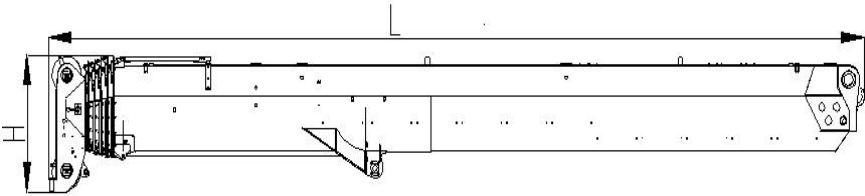
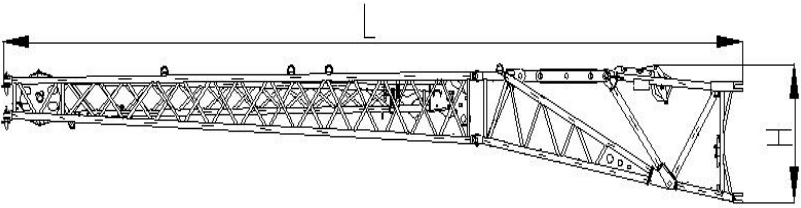
Dimensions of transported components

	Basic crane	×1
	L	16.59 m
	W	3.58 m
	H	3.58 m
	Mass	76.3 t
	Basic crane (without crawler tracks)	×1
	L	16.59 m
	W	3.33 m
	H	3.11 m
	Mass	51.8 t
	Left track frame	×1
	L	7.53 m
	W	1.24 m
	H	1.31 m
	Mass	12.24 t
	Right track frame	×1
	L	7.53 m
	W	1.24 m
	H	1.31 m
	Mass	12.24 t
	Turntable counterweight slab I	×1
	L	4.2 m
	W	1.76 m
	H	1.04 m
	Mass	18 t
	Turntable counterweight slab II	×1
	L	1.43 m
	W	1.76 m
	H	0.82 m
	Mass	5 t

Dimensions of transported components

	Turntable counterweight slab II	×1
	L	1.43 m
	W	1.76 m
	H	0.82 m
	Mass	5 t
	Turntable counterweight slab III	×1
	L	1.76 m
	W	0.99 m
	H	0.91 m
	Mass	5.5 t
	Turntable counterweight slab IV	×1
	L	1.76 m
	W	0.99 m
	H	0.91 m
	Mass	5.5 t
	130t hook block	×1
	L	1.66 m
	W	0.54 m
	H	0.68 m
	Mass	1.01 t
	75t hook block	×1
	L	1.66 m
	W	0.54 m
	H	0.49 m
	Mass	0.65 t
	11t hook block	×1
	L	0.62 m
	W	0.43 m
	H	0.43 m
	Mass	0.26 t

Dimensions of transported components

	Main boom	× 1
	L	14.49 m
	W	1.41 m
	H	1.88 m
	Mass	17.6 t
	Fixed jib	× 1
	L	11.63 m
	W	1.06 m
	H	1.61 m
	Mass	1.75 t

Symbols

	360° slewing		Boom angle
	Turntable counterweight		Fixed jib
	Central counterweight		Main boom working radius
	Track gauge		Main boom length
	Parts of line		Rated lifting capacity

Points for attention

1. Do not rely on this document to operate the crane! For correct operating instructions of the crane, please refer to "Operation Manual" and "Rated Lifting Capacity Manual".
2. The unit of rated lifting capacity in the table is "t". It is the maximum total lifting capacity that the crane can guarantee on a stable and horizontal surface under the current boom length and radius, including the weight of the hook, sling and wire rope. The actual weight of the load is the value after the weight of above items is subtracted.
2. The working radius in the lifting performance table is the horizontal distance from center of gravity of the lifted load to slewing axis of the crane when the load is lifted off the ground.
4. Working radius refers to the horizontal distance from the load to slewing axial line of the crane. In lifting operation, it includes boom deflection, so boom deflection should be taken into consideration before lifting operation.
5. 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.
6. 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.
7. 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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