



Crawler Crane

XLC350



350t



100.5m



60+64m

Company Introduction

XCMG Crane Machinery is one of the core business divisions of XCMG Group, which is the pioneer, leader and developer of China's lifting machinery, specializing in the research, development and manufacture of mobile cranes. With science and technology innovation as the core driving force, the company is committed to providing digitalized and complete sets of solutions for the healthy and sustainable development of the global lifting industry chain.

XCMG Crane Machinery has a comprehensive product spectrum, including 5-ton to 220-ton truck cranes, 40-ton to 4,000-ton all-terrain cranes, 25-ton to 150-ton rough terrain cranes, 30-ton to 160-ton telescopic boom crawler cranes, and 45-ton to 4,000-ton lattice boom crawler cranes, and its products are sold well in more than 190 countries and regions, and has ranked No. 1 among the world's mobile crane manufacturers for the past two years. The export share of China's cranes has always maintained a leading position.



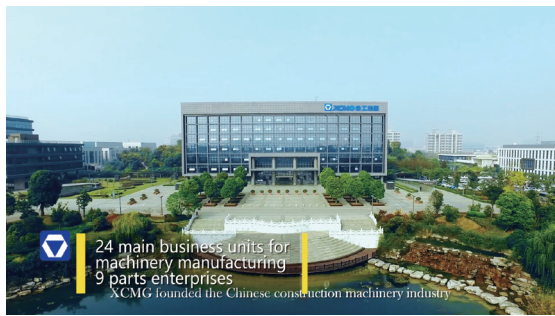


业智能制造基地

R&D center

Global Collaborative R&D System China, Europe, North America, Brazil, Australia

We have set up several R&D centers around the world, focusing on researching the regulatory requirements and customer needs in different regional markets, and developing specialized regional models to better meet the usage habits and needs of customers in different regions.



24 main business units for machinery manufacturing
9 parts enterprises
XCMG founded the Chinese construction machinery industry



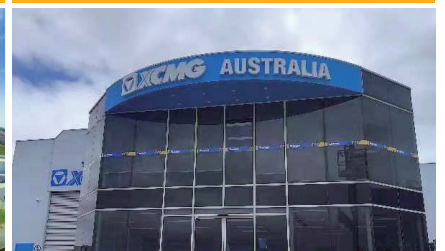
XCMG European R&D Center



XCMG North American R&D Center



XCMG Brazilian R&D Center



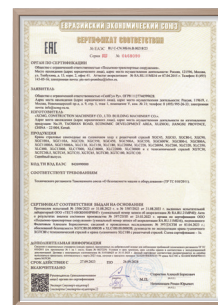
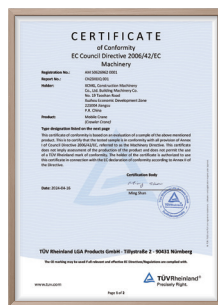
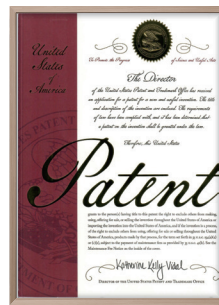
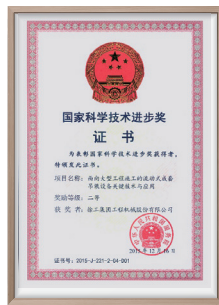
XCMG Australian R&D Center

R&D Results

Specialized, deep-rooted crawler crane R&D for 30 years, broken through nearly a hundred core technology

Meet the regional access, series of products through the European Union CE certification, Customs Union EAC certification, North American certification, etc.

1770 effective patents, including 909 invention patents (including 89 overseas authorizations), 165 effective software copyrights



Intelligent manufacturing



Automatic track roller feeding robot



Lacing tube robot



Track turning machine



Fine coating



Intelligent warehousing and transportation



Test of complete machine

Global Services

XCMG has globally

30 Subsidiary **40** Sales offices **40** Spare parts centers

300+ Distributors **2000+** Service Locations

5000+ Service engineers **1500** Dedicated service facilities

XCMG video



Regularly enjoy XCMG Crane Machinery Global Service Experience the convenience and comfort of having XCMG by your side.

Provide customers with door-to-door equipment inspection, product maintenance and operation guidance training, service cell phone APP installation and guidance, saving customer operating costs.



▲ Services for South east Asia



▲ Services in Indonesia



▲ Services for central Asia



▲ Services for Africa

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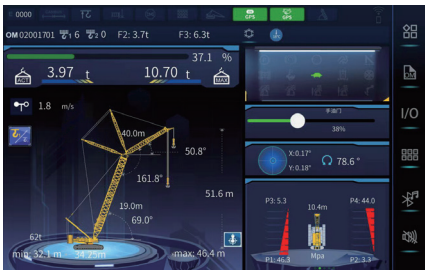
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01 Leading Technology

All-in-one control system

- ▶ Intelligent, secure, and reliable all-in-one control system, real-time, parameters such as load, ground pressure, boom length, etc.



Human machine collaboration saves time and effort

- ▶ The main and auxiliary hooks work simultaneously, making operation more convenient; Parallel work reduces waiting time and accelerates project progress.



Graded loads and multiple options

- ▶ Equipped with graded load mode, it provides a variety of lifting operation modes to choose from, which is convenient for the construction of trestle and other weight-restricted occasions, and better adaptability to operation modes;



02 Economical operation

Self disassembly and assembly technology

- ▶ Optional fully self-assembling and disassembling function, realizing intelligent remote control installation of counterweight self-lifting, making disassembly and assembly more convenient and effortless.



Crawler track self-dis/assembly



One-key erection of mast

The extended outrigger

- ▶ cylinder enables the basic crane to be lifted 1.3m off the ground without the need for assistance. The basic crane can be transported by a 1.2m trailer with a transportation width of less than 3m and a height of less than 4.5m, making it accessible for global transportation.



Integrated design of boom

- ▶ Triple insertion for transportation, save over 15% on transportation costs.




Boom insertion transportation



03 Safe and reliable

- ▶ **Fault self-diagnosis system:** real-time localization of abnormalities, troubleshooting efficiency increased by 50%.
- ▶ **Reliable quality system:** whole-life structural safety design technology, first-class manufacturing equipment, 30 years of high-strength steel welding process.



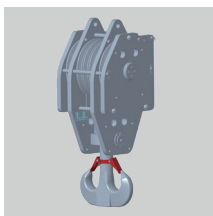
Height limiter

Position limiting safe and reliable, can effectively prevent over-wound.




Anemometer height mark lamp

Severe weather automatically triggers sound and light alarms.



Hook latch

Prevent the hook from falling off the boom due to unexpected situations during the lifting process to avoid safety accidents.



Rope over-released protection device

Check the rope allowance to avoid loss of control due to full release.



Emergency stop switch

(Mechanical + Programming + Limit Switches) for faster emergency response.



Real time monitor

The operating status of the hoisting, luffing and hook mechanisms is at your fingertips.



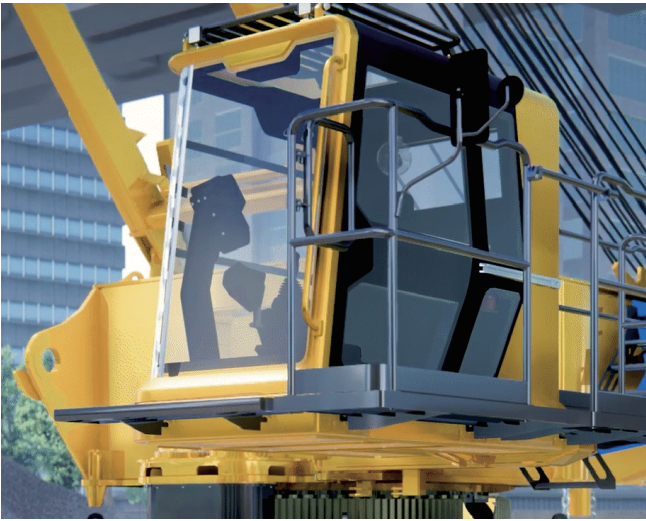
04 Enjoy Comfort

Human machine collaboration, worry free and labor-saving

Big field of view cab, good human-machine experience

- ▶ Glass accounts for over 80%, providing a panoramic view; Effective sound insulation achieves indoor quietness.

- ▶ The back storage space is upgraded with a space capsule design for storing work and personal belongings, fully sealed.

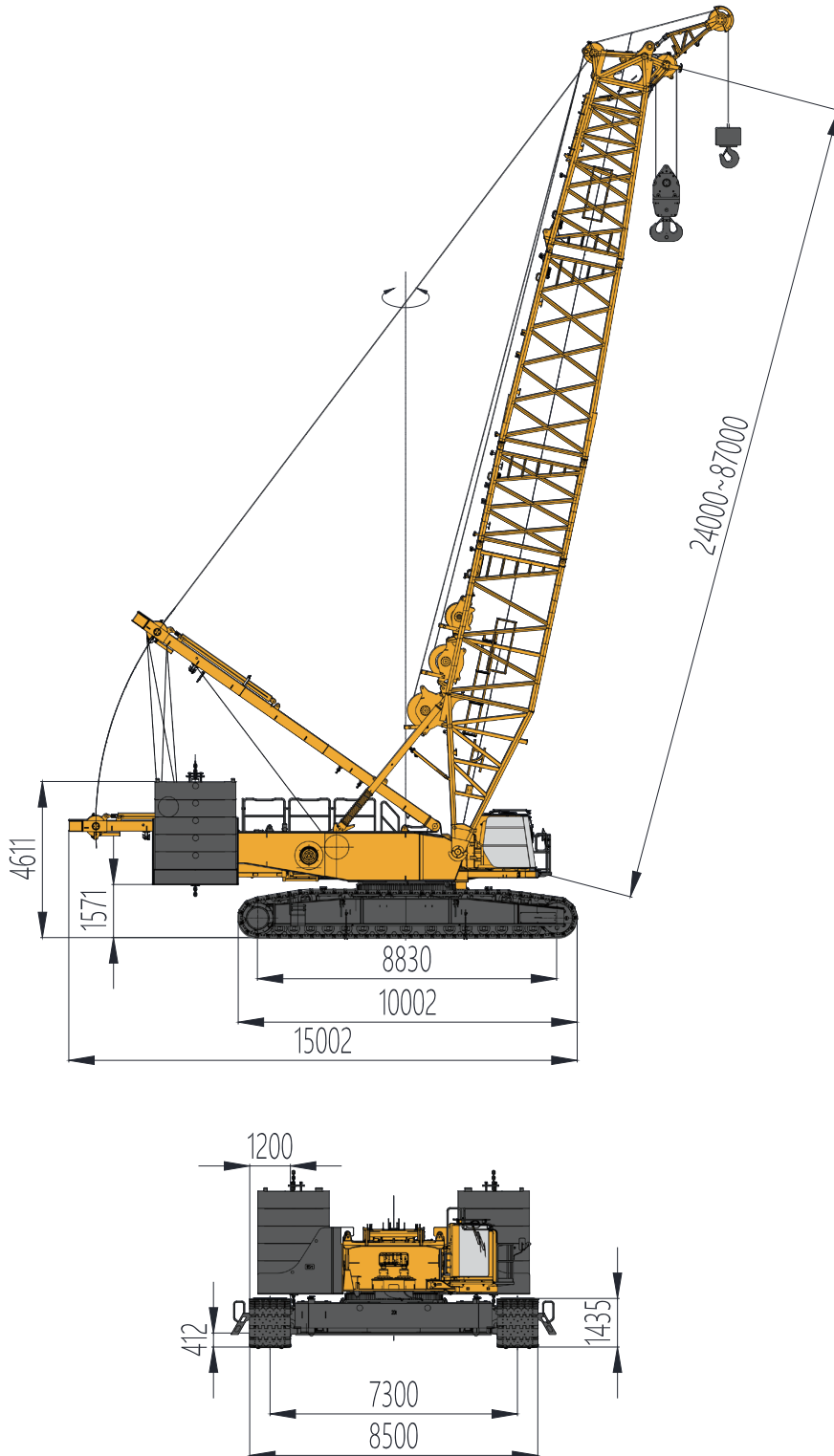


- ▶ Joystick with ergonomic design, comfortable grip; sensitive and direct function, can precisely control the action; optimized button and switch design, fast linkage operation control.

- ▶ Independent air conditioning with multiple air ducts design allows for quick adjustment of cab temperature.
- ▶ The cab is ultra wide and can be equipped with suspended seats to adjust height and angle, reducing the burden on the operator's back; Ultra light textile cotton has strong breathability and is suitable for various environmental weather conditions.



Dimensions



Technical specifications



Engine

- Model: Weichai WP10G336E344 Emission
- Standard: meets non-road III stage emission standard of China/Europe
- Rated power: 247kw/1900rpm
- Fuel tank capacity: about 600L



Hydraulic system

- Load sensitive LUDV system with hydraulic pilot proportional control, with features of accurate speed, sensitive operation, and good fine motion. main valve can achieve the compound operation of multiple movements, it is easy for maintenance.
Special slewing closed system design, smooth start and stop, good fine motion, good proportional characteristics, strong resistance to load changes and interference, meeting the requirements of fine lifting operations.
- The system also has the functions of automatic travel direction change, counterweight and track frame self-assembly/disassembly.
- Maximum system pressure: 35MPa
- Hydraulic oil tank capacity: 750L



Control system

- Control system: It uses PLC programmable controller and conventional electrics to complete the system logic control and electrical proportional control function, thus to realize the automatic control of crane, greatly increase safety, reliability and efficiency for crane operation.
- Display screen: Equipped with a 12.1-inch color LCD screen to achieve real-time display of engine parameters, load, boom length, angle and other data.
- Operation: Adopting hydraulic electric proportional control, multiple actions can be executed simultaneously, and all types of loads can be accurately positioned.



Crane body frame

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



Operator's cab

- Design: Adopting a new generation cab design, with a steel frame structure and tempered glass for all glass, it combines safety and a wider field of view.
- Comfort: A complete set of control instruments and devices arranged according to ergonomics, the cab can be tilted, adjustable seats.
The visual area of the display screen is distributed within the optimal field of view. Equipped with a footrest, heating and cooling air conditioning, sound system, fire extinguishing device, closed-circuit monitoring system, etc., spacious and comfortable.



Slewing system

- Slewing drive: The hydraulic motor and slewing bearing adopt external meshing rotary drive.
- Slewing braking: using a normally closed brake to achieve the function of "spring braking/hydraulic release"; There is also a mechanical slewing locking device to achieve locking protection of the slewing mechanism.
- Speed control: Two slewing modes are available – speed control or free slewing.
- Slewing bearing: Adopting elliptical raceway double row ball type slewing bearing, it has high strength, large bearing moment, high accuracy, long service life, and convenient maintenance.

Hoisting system

- Standard configuration with main winch + auxiliary winch: built-in planetary reducer, with constant closed brake to achieve “spring braking/hydraulic release” function, safe and reliable. The reducer is lubricated by splashing oil, free of maintenance.

Specification	Main winch wire rope	Auxiliary winch wire rope
Rope diameter	26 mm	26 mm
Rope length	800 m	455 m
Rated single line pull	14.1 t	14.1 t

Luffing system

- Main luffing system: is installed at the tail part of turntable by pin shaft, planetary gear reducer is driven by fixed displacement motor, so as to achieve boom luffing by drum and luffing pulley block. Main luffing winch has built-in planetary reducer, with constant closed brake to achieve “spring braking/hydraulic release” function, safe and reliable.
- Main luffing drum has a ratchet locking device, and the pawl is driven by hydraulic cylinder to achieve mechanical brake, and multiple lock protection. Tower jib luffing mechanism: installed at the bottom section of main boom, there is a ratchet locking device, and the pawl is driven by hydraulic cylinder to achieve multiple lock for protection.

Specification	Main boom luffing rope	Tower jib luffing rope
Rope diameter	26 mm	22 mm
Rope length	380 m	440 m

Counterweight

- Car-body counterweight: 40t in total, including car-body counterweight slab 2 × 10t;
- Rear counterweight: turntable counterweight has three options of 140t, 130t and 120t, and independent load charts corresponding to different counter-Weight combinations are provided to meet different purchase and lifting requirements.
- Turntable counterweight is installed at the rear of turntable, turntable counterweight compositions are as the follows:
 - Turntable counterweight 140t (optional, only for main boom operation mode) :counterweight tray 2 × 15t, turntable counterweight slab 10 × 10t+2 × 5t
 - Turntable counterweight 130t: counterweight tray 2 × 15t, turntable counterweight slab 10 × 10t
 - Turntable counterweight 120t (optional, only for TBM operation mode): counterweight tray 2 × 15t, turntable counterweight slab 8 × 10t+2 × 5t

Self-dis/assembly system(optional)

- An optional self-disassembly system can be installed to achieve safe and fast assembly/disassembly of tracks, car-body counterweight, and boom bottom section.

Hook block

- There are 5 types of hook blocks, the parameters are as following:

Hook lifting capacity	Weight	Number of pulleys
200t (optional)	4.5t	7
160t	3.9t	5
80t	2.0t	3
32t (optional)	1.2t	1
13.5t	0.5t	0

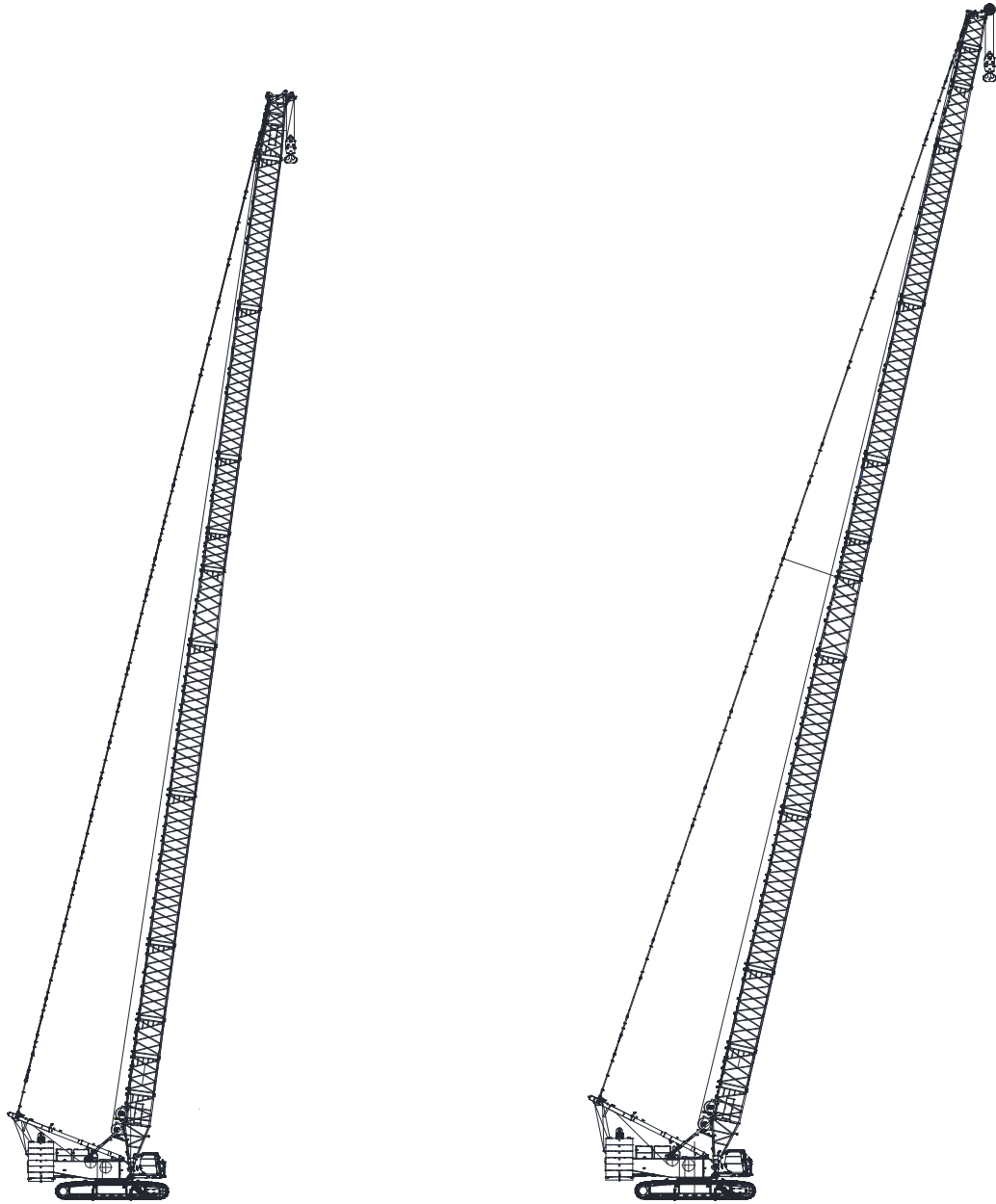
Safety devices

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

Main technical parameters

Item		Unit	Value
Max. rated lifting capacity		t	350
Max. lifting moment		t.m	2039
Dimensions	Heavy duty main boom length	m	24 ~ 87
	Light duty main boom length	m	58.5 ~ 100.5
	Tower jib length	m	19 ~ 64
	Fixed jib length	m	13 ~ 31
	Shield tunneling jib length	m	10
	Max. single line speed of hoisting system	m/min	130
	Max. single line speed for main boom luffing system	m/min	2×47
Speed	Max. single line speed for tower jib luffing system	m/min	140
	Max. slewing speed	rpm	0.9
	Max. travel speed	km/h	1.0
Average ground pressure		MPa	0.14
Grade ability		%	30
Max. weight of single piece in transport state		t	40
Maximum dimension of single-piece in transport state (L×W×H)		m	11.6×3.0×3.3
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 load 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. The data in this table are the configuration parameters based on 130t turntable counterweight and 40t car-body counterweight. 4. We reserve the right to improve and update the technical specifications without notice.			

Operation modes and lifting performance



**Heavy duty main boom
operation mode**

HB

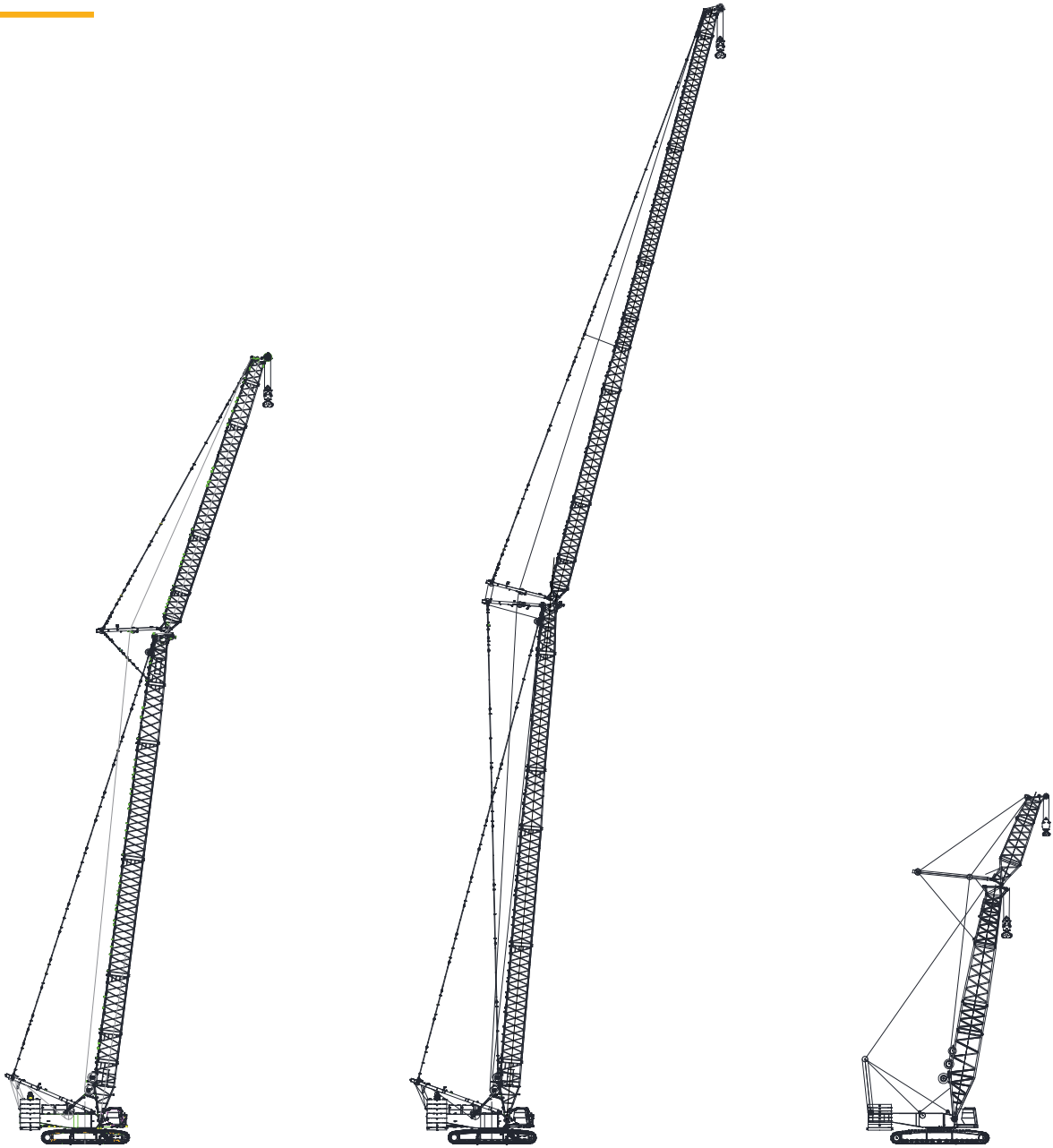
Main boom: 24~87 m

**Light duty main boom
operation mode**

LB

Main boom: 58.5~100.5 m

Operation modes and lifting performance



**Fixed jib
operation mode
HF**

Main boom: 30~69 m
Jib: 13~31 m

**Tower jib
operation mode
HW**

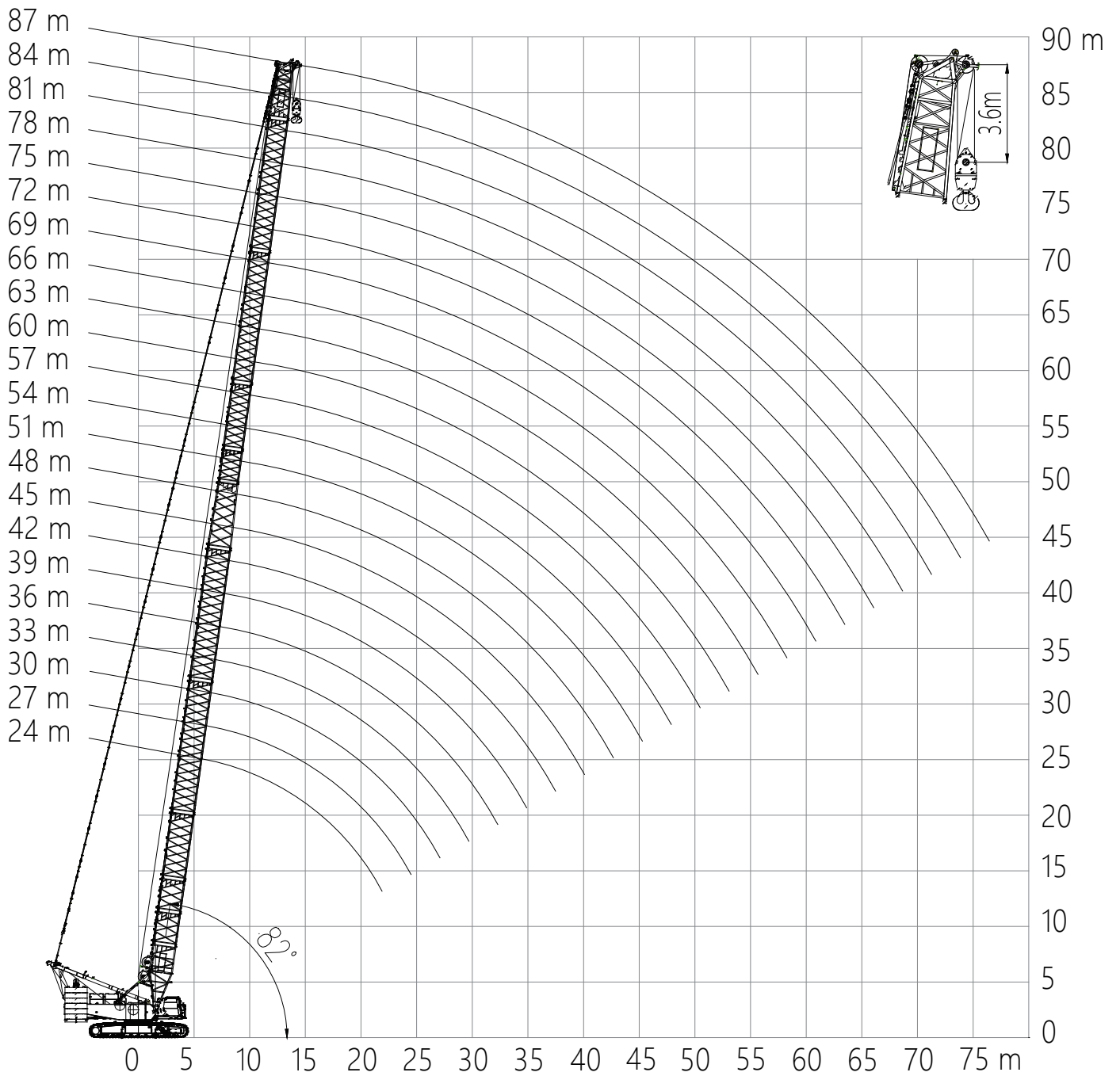
Main boom: 24~60 m
Tower jib: 19~64 m

**TBM
operation mode
HBF**

Main boom: 24 m
TBM jib: 10 m

HB

Main boom operation mode



HB
Main boom combinations

Boom combination code *	①	②	③	④	⑤	⑥	⑦	⑧	⑨
24	1	1			1	1			
27	1		1		1	1			
30	1	1	1		1	1			
33	1			1	1	1			
36	1	1		1	1	1			
39	1		1	1	1	1			
42	1	1	1	1	1	1			
45	1			2	1	1			
48	1	1		2	1	1			
51	1		1	2	1	1			
54	1	1	1	2	1	1			
57	1			2	1	1			1
60	1	1		2	1	1			1
63	1		1	2	1	1			1
66	1	1	1	2	1	1			1
69	1	1	1	2	1	1	1		1
72	1	1	1	2	1	1		1	1
75	1	1	1	2	1	1	1	1	1
78	1	1	1	2	1	1			2
*81	1	1	1	2	1	1	1		2
*84	1	1	1	2	1	1		1	2
*87	1	1	1	2	1	1	1	1	2

Notes: 1. "*" main boom combination requires a center hitch.

2. Tower jib rear pendant need to be removed from boom sections. Tower jib/fixed jib guide pulley needs to be removed from boom transition section

Main boom: 24~87 m



	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78	81*	84*	87*	
8					253.1	234.5	215.1																
9		226.9	226.6	226.5	226.1	224.7	214.9	205.1	194.8	184.4													
10	203.9	203.8	203.4	203.3	203	199.1	194.2	189.4	184.9	180.4	173.8	162.9											
11	184.9	184.8	184.4	184.3	182.6	178.6	174.5	170.5	166.7	163	159.5	156.3	151.9	149.7	140.6								
12	169	168	166.1	164.2	162.3	160.4	158.2	154.9	151.6	148.5	145.4	142.8	139.9	137.1	134.4	131.6	129	124.3					
13	150.9	150.7	149.1	147.5	145.9	144.3	142.7	141.1	138.9	136.2	133.5	131.2	128.7	126.2	123.8	121.4	119.2	116.9	111.1	105.9	97.2		
14	135.3	135.4	135.1	133.8	132.4	131	129.6	128.2	126.9	125.6	123.3	121.3	119.1	116.9	114.7	112.5	110.6	108.5	106.9	104.4	95.8	88.6	
15	122.5	122.6	122.5	122.3	121	119.8	118.6	117.4	116.2	115.8	114.4	112.7	110.6	108.7	106.7	104.7	103	101.1	99.7	97.8	94.5	87.3	
16	111.8	111.9	111.8	111.8	111.4	110.3	109.2	108.1	107	106.7	105.7	105	103.2	101.5	99.7	97.9	96.3	94.5	93.3	91.5	90	86	
17	102.6	102.7	102.6	102.7	102.5	102.1	101	100.1	99.1	98.9	98	97.3	96.4	95	93.4	91.7	90.3	88.7	87.5	85.9	84.5	83	
18	94.8	94.9	94.8	94.8	94.6	94.5	94	93.1	92.2	92	91.1	90.5	89.7	88.9	87.8	86.2	84.9	83.4	82.4	80.8	79.6	78.2	
19	87.9	88	87.9	88	87.8	87.6	87.4	87	86.1	85.9	85.1	84.6	83.8	83.1	82.3	81.3	80.1	78.7	77.7	76.3	75.1	73.8	
20	81.9	82	81.9	82	81.8	81.6	81.4	81.3	80.7	80.5	79.8	79.3	78.6	77.9	77.1	76.4	75.7	74.3	73.5	72.1	71	69.7	
22	71.8	72	71.9	71.9	71.7	71.6	71.3	71.2	70.9	70.7	70.4	70.3	69.7	69	68.4	67.6	67.1	66.4	66	64.8	63.9	62.7	
24		63.9	63.8	63.8	63.7	63.5	63.3	63.1	62.9	62.6	62.3	62.4	62.1	61.8	61.2	60.5	60	59.3	59	58.3	57.8	56.7	
26			57.1	57.2	57	56.9	56.6	56.5	56.2	56	55.7	55.7	55.5	55.2	54.9	54.5	54	53.4	53.1	52.5	52	51.4	
28				51.6	51.5	51.3	51.1	50.9	50.7	50.4	50.1	50.2	49.9	49.6	49.3	48.9	48.7	48.4	48.2	47.5	47.1	46.5	
30				46.9	46.7	46.6	46.3	46.2	45.9	45.7	45.4	45.5	45.2	44.9	44.6	44.2	44	43.6	43.6	43.2	42.8	42.3	
32					42.7	42.5	42.3	42.2	41.9	41.7	41.3	41.4	41.1	40.8	40.5	40.1	39.9	39.5	39.6	39.1	38.9	38.5	
34						39	38.8	38.7	38.4	38.1	37.8	37.9	37.6	37.3	37	36.6	36.4	36	36	35.6	35.3	34.9	
36							35.7	35.6	35.3	35	34.7	34.8	34.5	34.2	33.9	33.5	33.3	32.9	32.9	32.4	32.2	31.8	
38							32.9	32.8	32.5	32.3	32	32.1	31.8	31.5	31.1	30.7	30.5	30.1	30.2	29.7	29.5	29.1	
40								30.4	30.1	29.9	29.6	29.6	29.3	29	28.7	28.3	28.1	27.7	27.7	27.3	27	26.6	
42									27.9	27.7	27.4	27.5	27.1	26.9	26.5	26.1	25.9	25.5	25.5	25.1	24.8	24.4	
44										25.7	25.4	25.5	25.2	24.9	24.5	24.1	23.9	23.5	23.5	23.1	22.9	22.4	
46											23.6	23.7	23.4	23.1	22.8	22.3	22.1	21.7	21.8	21.3	21.1	20.6	
48												21.9	22.1	21.7	21.5	21.1	20.7	20.5	20.1	20.1	19.7	19	
50													20.6	20.2	20	19.6	19.2	19	18.6	18.6	18.2	17.5	
52														18.9	18.6	18.3	17.8	17.7	17.2	17.3	16.8	16.2	
54															17.3	17	16.6	16.4	16	16	15.5	14.9	
56																16.2	15.8	15.4	15.2	14.8	14.8	14.2	13.7
58																	14.7	14.3	14.1	13.7	13.8	13.1	12.6
60																		13.3	13.1	12.7	12.8	12.3	11.6
62																			12.2	11.8	11.8	11.4	10.7
64																				10.9	10.9	10.5	9.8
66																				10.1	10.1	9.6	9
68																					9.3	8.9	8.2
70																						8.1	7.5
72																							7.2
74																							6.6
76																							5.5

- Notes:
1. The actual weight of hook, sling, and wire rope rove on hook and boom head must be deducted from the rated lifting capacity in the table.
 2. The rated lifting capacity in the table is the value of the crane on level and solid ground, slowly lifting a load and without travel.
 3. The rated lifting capacity in the table is the calculation value based on the boom sections without tower jib rear pendant, tower jib guide pulley and boom single top.
 4. Tower jib rear pendants needs to be removed for each boom section and guide pulley for tower jib must be removed from the top section of main boom.
 5. The use of a center hitch is required for combinations at "*" where the length of the main boom exceeds 78m, and the use of a diagonal wedge to assist in the lifting of the boom is recommended for lengths of the main boom exceeding 84m.

Main boom: 24~87 m

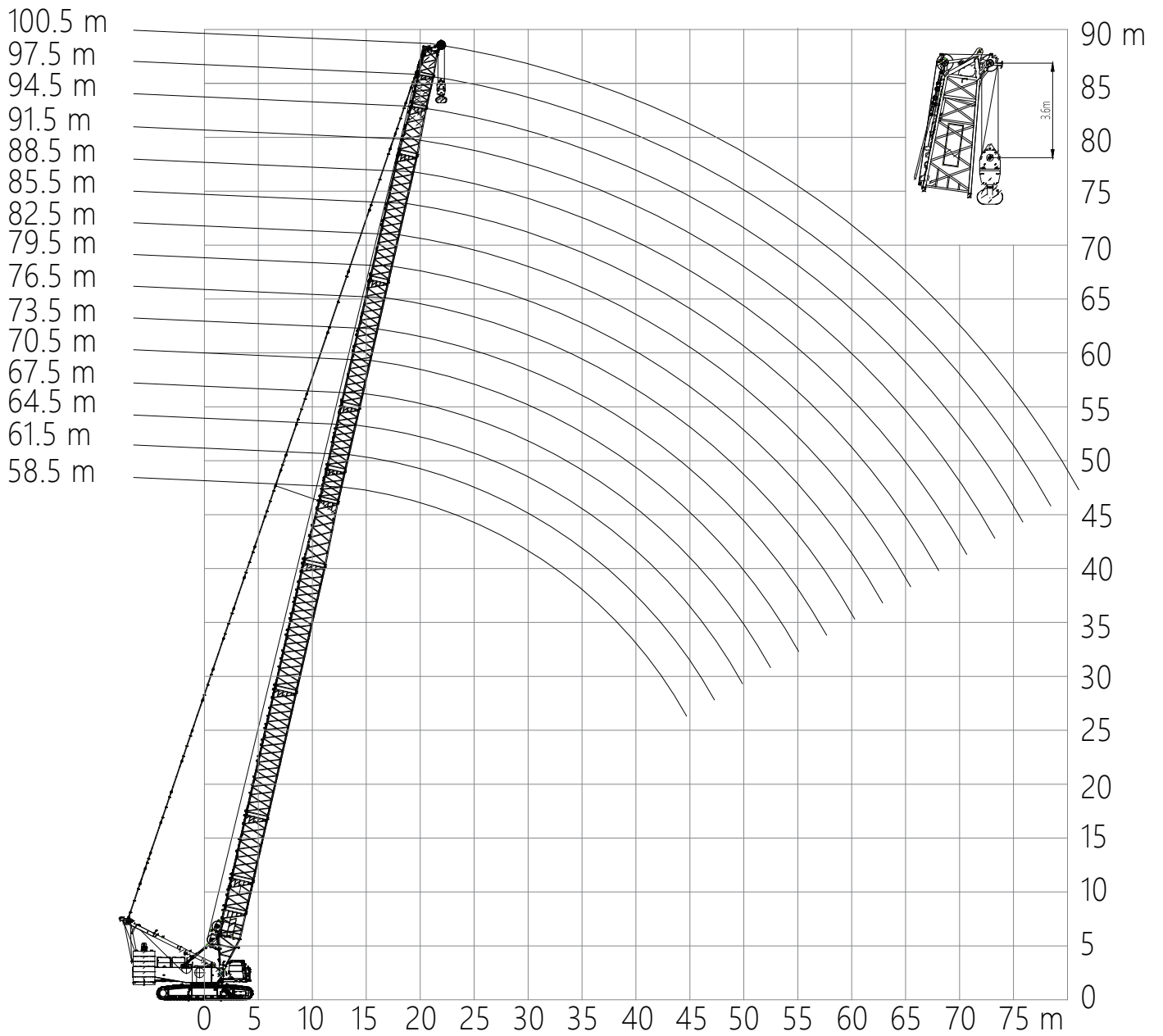


	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78	81*	84*	87*	
5.5	350																						
6	332.5	312.8																					
7	286	285.9	285.5	271.1																			
8	250	249.8	249.5	249.4	253.1	234.5	215.1																
9	221.8	221.7	221.3	221.2	218.8	212.7	206.8	201.3	194.8	184.4													
10	199.2	199	198.7	198.5	193.3	188.4	183.7	179.2	174.8	170.7	166.7	162.9											
11	180.6	179.4	177.2	175	172.8	168.9	165	161.3	157.6	154.1	150.7	147.7	144.6	141.5	138.5								
12	160.8	159	157.1	155.3	153.5	151.7	149.6	146.4	143.3	140.3	137.4	134.9	132.1	129.5	126.9	124.2	121.9	119.4					
13	142.8	142.6	141	139.5	138	136.4	134.9	133.4	131.3	128.6	126.1	123.9	121.5	119.2	116.9	114.5	112.5	110.3	108.5	105.9	97.2		
14	128	128.1	127.7	126.5	125.1	123.8	122.5	121.2	119.9	118.6	116.4	114.5	112.4	110.3	108.2	106.1	104.3	102.3	100.7	98.7	95.8	88.6	
15	115.8	115.9	115.8	115.5	114.4	113.2	112	110.9	109.7	109.4	107.9	106.3	104.4	102.5	100.6	98.7	97.1	95.2	93.9	92	90.5	87.3	
16	105.6	105.7	105.6	105.6	105.2	104.2	103.1	102.1	101	100.8	99.8	99.1	97.3	95.6	93.9	92.2	90.7	89	87.8	86.1	84.7	83.1	
17	96.9	97	96.9	96.9	96.8	96.4	95.4	94.5	93.5	93.3	92.4	91.8	90.9	89.5	88	86.4	85	83.4	82.3	80.8	79.5	78	
18	89.5	89.6	89.4	89.5	89.3	89.2	88.7	87.8	86.9	86.8	86	85.4	84.6	83.8	82.7	81.1	79.9	78.4	77.5	76	74.8	73.4	
19	83	83.1	83	83	82.8	82.7	82.5	82	81.2	81	80.2	79.8	79	78.3	77.5	76.4	75.3	73.9	73	71.6	70.5	69.2	
20	77.2	77.4	77.3	77.3	77.1	77	76.7	76.6	76	75.9	75.2	74.7	74	73.3	72.6	71.9	71.1	69.8	69	67.7	66.6	65.4	
22	67.6	67.8	67.7	67.8	67.6	67.4	67.2	67.1	66.8	66.6	66.3	66.2	65.6	64.9	64.3	63.6	63.1	62.4	62	60.8	59.8	58.7	
24		60.1	60	60.1	59.9	59.8	59.5	59.4	59.1	58.9	58.6	58.7	58.4	58	57.5	56.8	56.3	55.7	55.4	54.7	54.1	53	
26			53.7	53.8	53.6	53.5	53.2	53.1	52.8	52.6	52.3	52.3	52.1	51.8	51.5	51.1	50.7	50.1	49.8	49.1	48.7	48.1	
28				48.5	48.3	48.2	47.9	47.8	47.5	47.3	47	47.1	46.8	46.5	46.2	45.8	45.6	45.2	45.1	44.4	44	43.4	
30				44	43.8	43.7	43.5	43.3	43.1	42.8	42.5	42.6	42.3	42	41.7	41.3	41.1	40.7	40.8	40.3	40	39.4	
32					40	39.9	39.6	39.5	39.2	39	38.7	38.7	38.4	38.2	37.8	37.4	37.2	36.8	36.9	36.4	36.2	35.8	
34						36.5	36.3	36.2	35.9	35.6	35.3	35.4	35.1	34.8	34.5	34.1	33.9	33.5	33.5	33.1	32.8	32.4	
36							33.3	33.2	32.9	32.7	32.4	32.5	32.1	31.9	31.5	31.1	30.9	30.5	30.6	30.1	29.9	29.5	
38							30.7	30.6	30.3	30.1	29.8	29.9	29.5	29.3	28.9	28.5	28.3	27.9	27.9	27.5	27.3	26.9	
40								28.3	28	27.8	27.5	27.6	27.2	27	26.6	26.2	26	25.6	25.6	25.2	24.9	24.5	
42									25.9	25.7	25.4	25.5	25.2	24.9	24.5	24.1	23.9	23.5	23.5	23.1	22.9	22.4	
44										23.8	23.5	23.6	23.3	23	22.7	22.2	22.1	21.6	21.7	21.2	21	20.6	
46											21.8	21.9	21.6	21.3	21	20.5	20.4	19.9	20	19.5	19.3	18.9	
48												20.2	20.4	20	19.8	19.4	19	18.8	18.4	18.4	18	17.7	17.3
50													18.9	18.6	18.3	18	17.6	17.4	17	17	16.5	16.3	15.9
52														17.3	17	16.7	16.3	16.1	15.7	15.7	15.2	15	14.6
54															15.8	15.5	15.1	14.9	14.5	14.5	14	13.8	13.4
56															14.7	14.4	14	13.8	13.4	13.4	12.9	12.7	12.3
58																13.3	12.9	12.8	12.3	12.4	11.9	11.7	11.3
60																	12	11.8	11.4	11.4	10.9	10.7	10.3
62																		10.9	10.5	10.5	10.1	9.8	9.4
64																			9.6	9.7	9.2	9	8.6
66																			8.8	8.9	8.4	8.2	7.8
68																				8.1	7.7	7.5	7.1
70																					7	6.8	6.4
72																						6.1	5.7
74																						5.5	5.1
76																							4.5

Notes:
 1. The actual weight of hook, sling, and wire rope rove on hook and boom head must be deducted from the rated lifting capacity in the table.
 2. The rated lifting capacity in the table is the value of the crane on level and solid ground, slowly lifting a load and without travel.
 3. The rated lifting capacity in the table is the calculation value based on the boom sections without tower jib rear pendant, tower jib guide pulley and boom single top.
 4. Tower jib rear pendants needs to be removed for each boom section and guide pulley for tower jib must be removed from the top section of main boom. 5. The use of a center hitch is required for combinations at "*" where the length of the main boom exceeds 78m, and the use of a diagonal wedge to assist in the lifting of the boom is recommended for lengths of the main boom exceeding 84m.

LB

Light-duty main boom operation mode



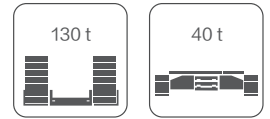
LB
Main boom combinations


Boom combination code *	①	②	③	④	⑤	⑦	⑧	⑨	⑩	(11)	(12)	(13)	(14)
58.5	1	1	1	2	1	1			1				1
61.5	1	1	1	2	1		1		1				1
64.5	1	1	1	2	1	1	1		1				1
67.5	1	1	1	2	1			1	1				1
70.5	1	1	1	2	1	1		1	1				1
73.5	1	1	1	2	1		1	1	1				1
76.5	1	1	1	2	1	1	1	1	1				1
79.5	1	1	1	2	1			2	1				1
82.5	1	1	1	2	1	1		2	1				1
85.5	1	1	1	2	1		1	2	1				1
88.5	1	1	1	2	1	1	1	2	1				1
91.5*	1	1	1	2	1	1	1	2	1	1			1
94.5*	1	1	1	2	1	1	1	2	1		1		1
97.5*	1	1	1	2	1	1	1	2	1	1	1		1
100.5*	1	1	1	2	1	1	1	2	1			2	1

Notes: 1. "*" main boom combination requires a center hitch.

2. Tower jib rear pendant need to be removed from boom sections. Tower jib guide pulley needs to be removed from boom top section.

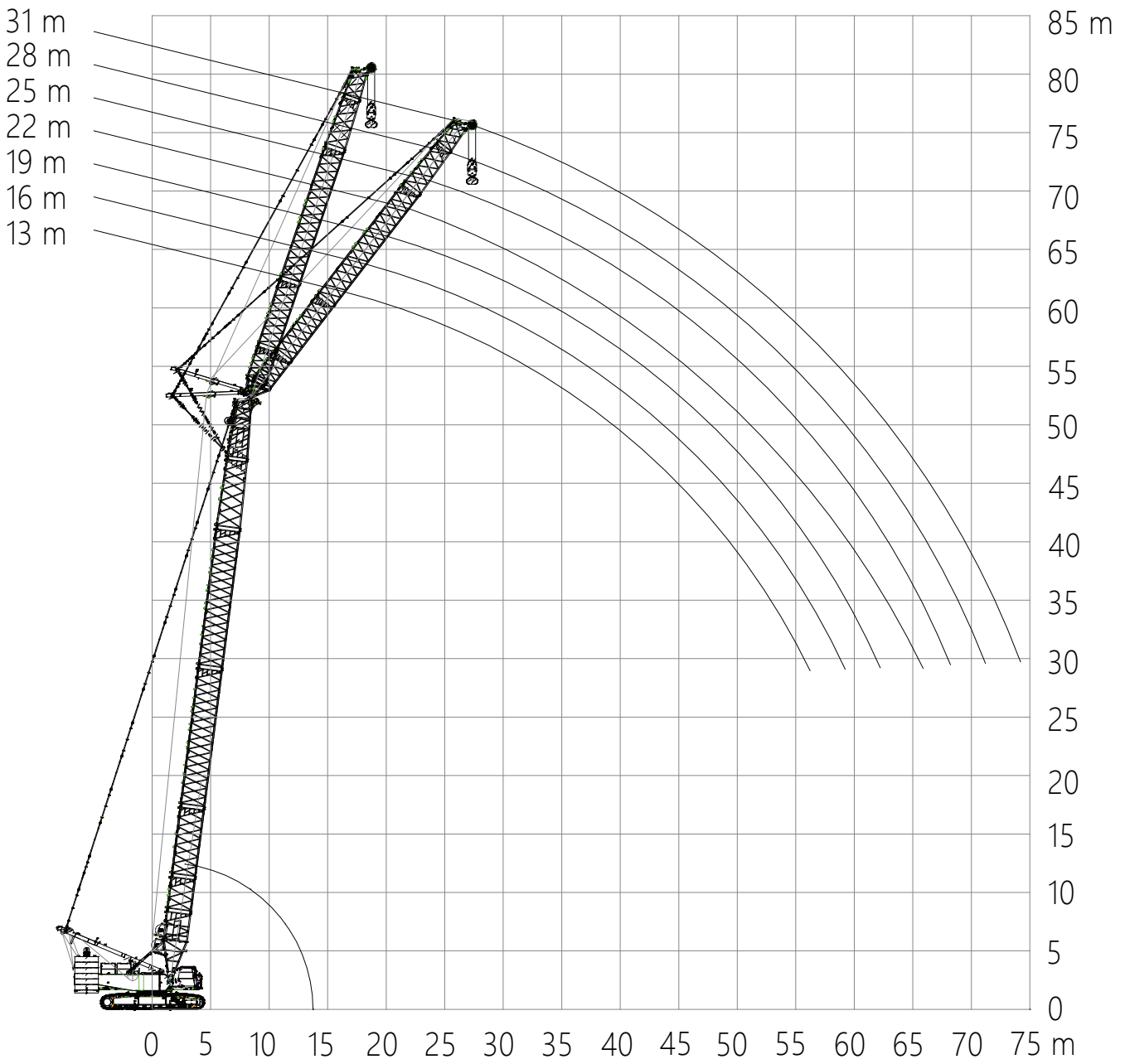
Main boom: 58.5~100.5 m



 m	58.5	61.5	64.5	67.5	70.5	73.5	76.5	79.5	82.5	85.5	88.5	91.5	94.5	97.5	100.5
10	140														
11	135	135	135	129											
12	133	133	132.5	127.4	121.4	115.5	109.1								
13	130.2	127.2	123.4	119.5	114.6	109.7	104.2	98.7	93						
14	120.7	118.2	115	111.9	108.1	104.2	99.3	94.6	89.5	83.9	81	74			
15	112.2	109.9	107.5	104.8	101.7	98.4	94.6	90.5	85.9	81	78.4	72.9	69.2	63.2	57.3
16	104.8	103	100.7	98.4	95.8	93.2	90	86.4	82.4	78	75.7	71.6	67.6	62.1	56.4
17	98.2	96.6	94.5	92.5	90.3	88.1	85.4	82.4	79	75	72.9	69.3	65.6	61	55.4
18	91.6	90.7	89.1	87.3	85.4	83.5	81.1	78.6	75.7	72	70.3	66.8	63.6	59.8	54.4
19	85.7	85.1	84.1	82.5	80.7	79.1	77.2	75	72.4	69.2	67.7	64.7	61.7	58.3	53.5
20	80.5	79.9	79	78.1	76.4	75.1	73.3	71.4	69.2	66.3	65.1	62.4	59.7	56.6	52.6
22	71.5	71	70.3	69.9	69.1	67.8	66.5	65	63.3	61	60.3	58.2	55.9	53.3	50.5
24	64	63.8	63.1	62.8	62.1	61.6	60.6	59.5	58	56.1	55.7	54.1	52.4	50.1	47.8
26	57.3	57.2	56.8	56.8	56.2	55.7	55.1	54.5	53.4	51.7	51.7	50.4	49	47.2	45.1
28	51.8	51.6	51.3	51.4	51	50.7	50.1	49.9	49.2	47.9	48	46.9	45.8	44.3	42.6
30	47.1	46.9	46.5	46.6	46.2	46.1	45.7	45.6	45	44.4	44	43.6	42.8	41.6	40.3
32	43	42.9	42.5	42.6	42.2	42	41.6	41.6	41.2	41	40.3	40	39.8	39.2	37.9
34	39.5	39.4	38.9	39	38.6	38.5	38.1	38.1	37.7	37.5	37	36.8	36.6	36.3	35.7
36	36.4	36.3	35.9	36	35.5	35.4	35	35	34.6	34.4	33.9	33.7	33.7	33.5	32.8
38	33.7	33.5	33.1	33.2	32.8	32.6	32.2	32.2	31.8	31.6	31.1	31	30.9	30.8	30.1
40	31.3	31.1	30.7	30.8	30.4	30.2	29.8	29.8	29.4	29.2	28.7	28.5	28.5	28.3	27.7
42	29.1	28.9	28.5	28.6	28.2	28	27.6	27.6	27.2	27	26.5	26.3	26.3	26.1	25.5
44	27.1	27	26.5	26.6	26.2	26	25.6	25.6	25.2	25	24.5	24.4	24.3	24.2	23.4
46	25.3	25.2	24.8	24.9	24.4	24.3	23.8	23.9	23.4	23.2	22.7	22.6	22.5	22.4	21.6
48	23.7	23.6	23.1	23.2	22.8	22.6	22.2	22.2	21.8	21.6	21.1	21	20.9	20.7	19.9
50	22.2	22.1	21.6	21.8	21.3	21.1	20.7	20.7	20.3	20.1	19.6	19.5	19.4	19.2	18.3
52	20.8	20.7	20.3	20.4	20	19.8	19.4	19.4	19	18.7	18.3	18.1	18.1	17.9	16.9
54		19.4	19	19.1	18.7	18.5	18.1	18.1	17.7	17.5	17	16.8	16.8	16.6	15.6
56			17.8	18	17.5	17.4	16.9	17	16.5	16.3	15.8	15.7	15.6	15.5	14.3
58				16.9	16.5	16.3	15.9	15.9	15.5	15.2	14.8	14.6	14.6	14.4	13.2
60					15.5	15.3	14.9	14.9	14.5	14.2	13.8	13.6	13.6	13.4	12.1
62					14.5	14.3	13.9	13.9	13.5	13.3	12.8	12.7	12.6	12.4	11.1
64						13.4	13	13.1	12.6	12.3	12	11.8	11.7	11.6	10.2
66							12.2	12.2	11.8	11.3	11.1	11	10.9	10.7	9.3
68								11.5	11	10.4	10.4	10.2	10.2	10	8.5
70								10.7	10.3	9.5	9.6	9.5	9.4	9.2	7.8
72									9.6	8.7	9	8.8	8.7	8.5	7
74										8	8.3	8.1	8.1	7.8	6.4
76											7.7	7.5	7.5	6.9	5.7
78												7	6.9	5.8	5
80												6.4	6	4.8	3.8
82													5.2	3.8	

HF

Fixed jib working condition



HF
Main boom combinations

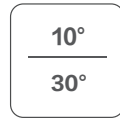
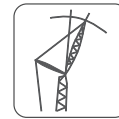
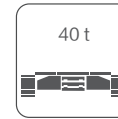
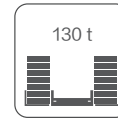
Boom combination code *	①	②	③	④	⑤	⑥	⑦	⑨
30	1	1	1		1	1		
33	1			1	1	1		
36	1	1		1	1	1		
39	1		1	1	1	1		
42	1	1	1	1	1	1		
45	1			2	1	1		
48	1	1		2	1	1		
51	1		1	2	1	1		
54	1	1	1	2	1	1		
57	1			2	1	1		1
60	1	1		2	1	1		1
63	1		1	2	1	1		1
66	1	1	1	2	1	1		1
69	1	1	1	2	1	1	1	1

Jib combination

Boom combination code *	⑦	⑧	⑨	⑩	(11)	(12)	(14)	(15)
13	1			1			1	1
16	1			1	1		1	1
19	1	1		1			1	1
22	1	1		1	1		1	1
25	1	1		1		1	1	1
28	1		1	1	1		1	1
31	1	1	1	1			1	1

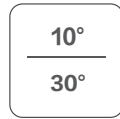
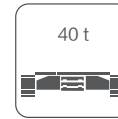
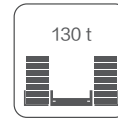
Note: 1. Tower jib rear pendant need to be removed from boom sections. Jib guide pulley need to be installed on boom top.
 2. When boom and jib combination length exceeds 71m, it is suggested to use wedge block to assist boom raising.

Main boom: 30 m Jib: 13~31 m



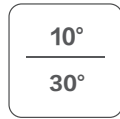
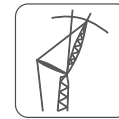
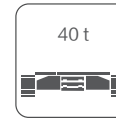
	13		16		19		22		25		28		31	
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
10	135													
11	129.3		113.8											
12	122.4		107.8		96.8		89.1							
13	116.2		102.4		91.9		84.6		78.5					
14	110.6	78.8	97.4		87.4		80.5		74.7		70.3			
15	105.5	76.4	92.9		83.4		76.7		71.2		67		61.8	
16	100	74.2	88.8	65.2	79.6		73.3		68		64		59	
17	94.6	72.2	84.3	64.2	76	55.6	70.1		65.1		61.2		56.4	
18	89.8	70.3	79.9	63.2	72	54.6	67		62.4		58.6		54.1	
19	85.5	68.5	76	62.3	68.4	53.8	63.6	48.1	59.7		56.2		51.9	
20	81.6	66.8	72.4	60.8	65.2	52.9	60.5	47.3	56.7		53.5		49.8	
22	71.5	63.8	66.2	57.9	59.5	51.3	55.1	45.7	51.6	41.4	48.6	37.9	45.2	
24	63.1	61.1	60.9	55.3	54.7	49.9	50.6	44.3	47.3	40.1	44.4	36.5	41.2	33
26	56.3	57.4	56.4	52.9	50.6	48	46.7	43	43.6	38.8	40.8	35.3	37.9	31.8
28	50.5	51.5	51	50.9	47	46	43.3	41.8	40.4	37.6	37.8	34.2	35	30.8
30	45.6	46.4	46.1	47.2	43.9	44.2	40.4	40.7	37.6	36.6	35.1	33.1	32.5	29.8
32	41.4	42.1	41.9	42.8	41.1	42.5	37.8	39.2	35.1	35.6	32.7	32.2	30.3	28.9
34	37.7	38.2	38.2	39	38.2	39.3	35.5	37.4	33	34.5	30.6	31.3	28.3	28
36	34.5	34.9	35	35.6	35	35.9	33.4	35.7	31	32.9	28.8	30.3	26.5	27.3
38	31.6	31.8	32.1	32.6	32.1	32.9	31.6	33.4	29.3	31.4	27.1	28.9	24.9	26.5
40	29		29.5	29.9	29.5	30.2	29.8	30.7	27.7	30.1	25.6	27.6	23.5	25.3
42			27.2		27.2	27.7	27.5	28.3	26.2	28.9	24.2	26.5	22.2	24.2
44					25.1	25.5	25.4	26	24.9	26.6	22.9	25.4	21	23.2
46					23.2		23.5	24	23.7	24.6	21.8	24.5	20	22.3
48							21.7		22.1	22.7	20.7	22.9	18.9	21.4
50									20.5	20.9	19.7	21.2	18	20.6
52									19		18.8	19.6	17.1	19.7
54											17.7		16.3	18.2
56													15.5	

Main boom: 42 m Jib: 13~31 m



	13		16		19		22		25		28		31	
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
11	120.3													
12	115		100.8											
13	110		96.5		86.1		78.8							
14	105.5		92.5		82.5		75.5		69.8					
15	101.2	79.7	88.8		79.2		72.5		67		62.7			
16	97.3	77.8	85.3		76.1		69.6		64.4		60.2		55	
17	93.7	76	82.1	65.3	73.2		67		61.9		57.9		52.9	
18	89.8	74.2	79.2	63.8	70.6	55.9	64.5		59.6		55.7		50.9	
19	85.8	72.5	75.8	62.3	67.7	54.6	62.2		57.5		53.7		49.1	
20	81	70.9	72.5	61	64.7	53.4	59.7	48.1	55.5		51.8		47.4	
22	70.5	68	66.8	58.4	59.5	51.2	54.8	46	51	41.9	47.7		43.9	
24	62.1	63.9	61.8	56.1	55.1	49.1	50.6	44.1	47	40.2	43.9	36.9	40.3	
26	55.2	56.7	55.6	53.4	51.2	47	47	42.4	43.6	38.6	40.6	35.4	37.3	32.2
28	49.4	50.8	49.8	50.8	47.8	44.7	43.8	40.5	40.6	37.1	37.7	34	34.6	30.9
30	44.5	45.7	44.9	46.5	44.9	42.6	41	38.6	37.9	35.4	35.2	32.6	32.3	29.7
32	40.3	41.3	40.7	42.1	40.7	40.7	38.5	36.8	35.6	33.7	33.1	31	30.2	28.3
34	36.7	37.5	37	38.2	37	38.5	36.3	35.2	33.5	32.2	31.1	29.5	28.3	26.9
36	33.4	34.2	33.8	34.9	33.7	35.1	34	33.7	31.7	30.9	29.2	28.2	26.6	25.7
38	30.6	31.2	30.9	31.9	30.9	32.1	31.1	32.4	30	29.6	27.6	27	25.1	24.5
40	28	28.6	28.4	29.2	28.3	29.4	28.5	29.9	28.4	28.4	26.1	25.9	23.8	23.5
42	25.8	26.2	26.1	26.8	26	27	26.2	27.5	26.5	27.4	24.8	24.9	22.5	22.5
44	23.7	24	24	24.6	23.9	24.8	24.2	25.3	24.4	25.8	23.5	23.9	21.3	21.6
46	21.8	22	22.2	22.6	22.1	22.8	22.3	23.2	22.6	23.8	22.4	23.1	20.3	20.8
48	20.1		20.4	20.8	20.3	21	20.5	21.4	20.8	21.9	20.7	22.1	19.3	20
50	18.5		18.8	19.1	18.8	19.3	19	19.7	19.3	20.2	19.2	20.4	18.4	19.3
52			17.4		17.3	17.7	17.5	18.1	17.8	18.6	17.7	18.8	17.5	18.6
54					15.9		16.2	16.7	16.5	17.2	16.4	17.3	16.2	17.4
56					14.7		14.9	15.3	15.2	15.8	15.1	16	14.9	16
58							13.7		14	14.5	14	14.7	13.8	14.7
60									12.9		12.9	13.5	12.7	13.5
62									11.9		11.8	12.3	11.7	12.4
64											10.9		10.7	11.3
66													9.8	
68													8.9	

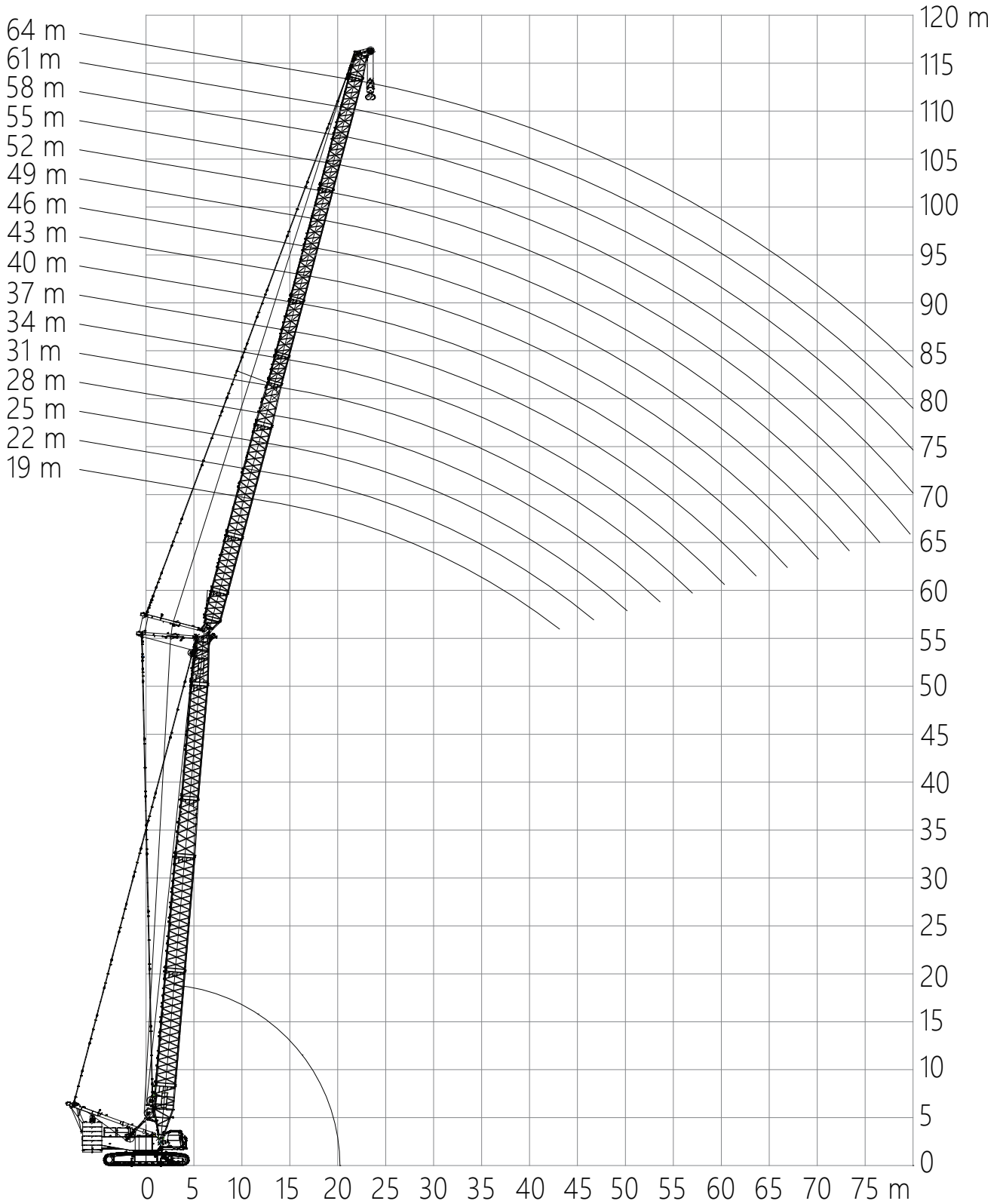
Main boom: 57 m Jib: 13~31 m



	13		16		19		22		25		28		31	
	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
12	91.8													
13	89.5		80.2											
14	87.4		78.1		70.3									
15	85.4		76.3		68.5		63.2		58.6					
16	83.5	61.2	74.4		66.8		61.5		57.1		53.4			
17	81.7	60.3	72.7		65.2		60		55.6		52		47.4	
18	79.9	59.5	71.1	51.6	63.7		58.5		54.2		50.6		46.2	
19	78.3	58.7	69.5	50.8	62.2	44.5	57.1		52.9		49.3		45	
20	76.1	57.9	68	50.1	60.8	43.9	55.8		51.6		48.1		43.9	
22	68.1	56.4	65.2	48.7	58.2	42.6	53.3	38.3	49.2		45.8		41.7	
24	61	55.1	61	47.4	55.7	41.4	51	37.2	47.1	33.8	43.7		39.8	
26	54	53.7	54.4	46.3	52.1	40.3	47.6	36.1	44	32.8	40.8	29.9	37.2	
28	48.2	49.9	48.6	45.2	48.6	39.3	44.6	35.2	41.2	31.9	38.1	29	34.7	26.1
30	43.3	44.8	43.7	44.1	43.6	38.3	42	34.3	38.7	31	35.8	28.2	32.6	25.3
32	39.1	40.4	39.4	41.2	39.4	37.4	39.6	33.4	36.4	30.2	33.7	27.4	30.5	24.6
34	35.4	36.6	35.7	37.3	35.6	36.6	35.8	32.6	34.5	29.5	31.7	26.7	28.8	23.9
36	32.2	33.3	32.5	33.9	32.4	34.2	32.6	31.9	32.6	28.8	30	26	27.2	23.2
38	29.3	30.3	29.6	30.9	29.5	31.1	29.7	31.2	30	28.1	28.4	25.3	25.7	22.6
40	26.8	27.7	27.1	28.3	26.9	28.4	27.1	28.9	27.4	27.3	27	24.7	24.4	22.1
42	24.5	25.3	24.8	25.8	24.6	26	24.8	26.5	25.1	26.4	25	23.9	23.2	21.4
44	22.4	23.1	22.7	23.7	22.6	23.8	22.7	24.2	23	24.8	22.9	23	22.1	20.6
46	20.6	21.2	20.8	21.7	20.7	21.8	20.8	22.2	21.1	22.7	21	22.2	20.8	19.9
48	18.9	19.4	19.1	19.9	19	20	19.1	20.4	19.4	20.9	19.2	21	19.1	19.2
50	17.3	17.8	17.6	18.3	17.4	18.3	17.5	18.7	17.8	19.2	17.7	19.3	17.5	18.5
52	15.9	16.3	16.1	16.7	16	16.8	16.1	17.2	16.3	17.6	16.2	17.7	16	17.8
54	14.6	14.9	14.8	15.3	14.6	15.4	14.8	15.7	15	16.2	14.9	16.3	14.7	16.3
56	13.3	13.6	13.6	14	13.4	14	13.5	14.4	13.8	14.8	13.6	14.9	13.4	14.9
58	12.2	12.3	12.4	12.8	12.2	12.8	12.4	13.1	12.6	13.6	12.5	13.7	12.3	13.7
60	11.1		11.4	11.6	11.2	11.6	11.3	12	11.5	12.4	11.4	12.5	11.2	12.5
62	10.1		10.4		10.2	10.6	10.3	10.9	10.5	11.3	10.4	11.4	10.2	11.4
64	9.1		9.4		9.2	9.5	9.3	9.9	9.6	10.3	9.4	10.4	9.2	10.3
66			8.5		8.3		8.5	8.9	8.7	9.3	8.6	9.4	8.3	9.3
68					7.5		7.6		7.9	8.4	7.7	8.4	7.5	8.4
70							6.8		7.1	7.5	6.9	7.6	6.7	7.5
72							6.1		6.3		6.2	6.7	6	6.7
74									5.6		5.5		5.2	5.8
76											4.8		4.6	5.1

HW

Tower jib operation mode



HW
Main boom combinations

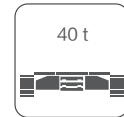
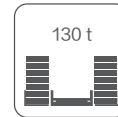
Boom combination code *	①	②	③	④	⑤	⑥	⑨
24	1	1			1	1	
27	1		1		1	1	
30	1	1	1		1	1	
33	1			1	1	1	
36	1	1		1	1	1	
39	1		1	1	1	1	
42	1	1	1	1	1	1	
45	1			2	1	1	
48	1	1		2	1	1	
51	1		1	2	1	1	
54	1	1	1	2	1	1	
57	1			2	1	1	1
60	1	1		2	1	1	1

Tower jib combinations

Boom combination code *	⑦	⑧	⑨	⑩	(11)	(12)	(13)	(14)	(15)
19	1	1		1				1	1
22	1	1		1	1			1	1
25	1	1		1		1		1	1
28	1		1	1	1			1	1
31	1	1	1	1				1	1
34	1	1	1	1	1			1	1
37	1	1	1	1		1		1	1
40	1	1	1	1	1	1		1	1
43	1	1	1	1			1	1	1
46	1	1	1	1	1		1	1	1
49	1	1	1	1		1	1	1	1
52	1	1	1	1	1	1	1	1	1
55	1	1	1	1			2	1	1
58	1	1	1	1	1		2	1	1
61	1	1	1	1		1	2	1	1
64	1	1	1	1	1	1	2	1	1

Note: 1. Tower jib rear pendant need to be removed from boom sections. Jib guide pulley need to be installed on boom top.
 2. When boom and jib combination length exceeds 71m, it is suggested to use wedge block to assist boom raising.

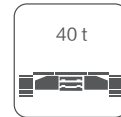
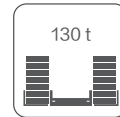
Main boom: 24~42 m Tower jib: 19~64 m



m	24						30						36						42					
	19	28	37	46	55	64	19	28	37	46	55	64	19	28	37	46	55	64	19	28	37	46	55	64
11	140						137																	
12	138						136						135						133					
13	136	133					135						134						132					
14	135	130.8					133.3	125.8					128	121					122.9					
15	125.6	120.7	110.8				123.2	117.5					119.5	113.2					115	108.9				
16	116.3	110.9	102.7				114.1	110.2	104.6				112.1	106.3	100.9				108	102.4				
17	108.2	102.5	95.7				106.3	103.7	97.4				105	100.2	95.2				101.8	96.7	91.9			
18	98.4	95.4	89.2	82.1			99.4	97.1	91	82.5			98.3	94.7	90.1				96.3	91.5	87			
19	89.1	89	83.4	77.5			93.4	91.2	85.2	78.2			92.3	89.8	85.5	78			90.8	86.8	82.7	75.7		
20	80.7	83.4	78.2	73.1	66		85.9	85.5	79.9	73.9			87.1	84.7	81.3	74.3	60.1		85.7	82.6	78.7	73.6		
22	61.1	74	66.1	65.6	60.7	47.2	69.8	75.9	70.9	66.4	60.6		74.5	75.9	72.4	67.1	55.7		77	74.8	71.7	67.2	59	
24		66.6	62.5	59.3	55.6	45.5		68	63.8	60.1	55.8	44.8		68.8	64.9	60.8	51.6	44.1	63	67.8	65.8	61.1	55.2	43.1
26		58.8	56.7	54	51	43.8		61.6	57.8	54.6	51.4	43.3		62.4	58.9	55.3	47.7	42.7		62	59.8	55.8	51.4	41.8
28		51.2	51.8	49.3	47	42.2		53.7	52.7	50	47.4	41.8		56.1	53.7	50.7	44.2	41.2		56.6	54.5	51.2	47.7	40.5
30		42.2	47.6	45.4	43.5	39.9		46.5	48.5	46.1	43.9	40.1		48.8	49.3	46.7	41.1	39.9		51	50.1	47.2	44.3	39.2
32			44.1	42	40.3	37.1		37.2	44.8	42.6	40.8	37.4		41.4	45.6	43.2	38.3	37.5		43.7	46.2	43.7	41.3	37.5
34			40.4	39.1	37.5	34.6			41.6	38	38	34.9			42.3	40.1	35.8	35			43	40.6	38.6	35.1
36			36.2	36.5	35.1	32.3			37.8	36.9	35.5	32.5			39.2	37.5	33.5	32.7			40	37.9	36.1	32.8
38			30.9	34.1	32.9	30.1			33.6	34.6	33.2	30.4			35	35.1	31.6	30.6			36.3	35.5	33.8	30.7
40			24.9	32.2	30.9	28.2			28.9	32.5	31.3	28.5			30.9	33	29.7	28.7			32.2	33.3	31.8	28.8
42				30	29.1	26.4				30.7	29.4	26.7				31.1	28.1	26.9				31.4	30	27
44				27.3	27.5	24.8				28.4	27.8	25				29.3	26.6	25.2				29.7	28.3	25.4
46				23.6	26	23.2				25.7	26.3	23.5				26.7	25.2	23.7				27.5	26.8	23.8
48				19.8	24.7	21.8				22.9	25	22.1				24	24	22.3				24.9	25.5	22.4
50					23	20.5					23.7	20.8				20.7	22.6	21				22	24.2	21.1
52					20.8	19.3					21.9	19.6					20.8	19.8					23.1	19.9
54					18.2	18.2					20.1	18.4					18.9	18.6					21.4	18.8
56					15.5	17.2					18	17.4					16.9	17.6					19.5	17.7
58						16.2					14.9	16.4						16.6					17.6	16.7
60						15.3						15.5						15.7						15.8
62						13.8						14.6						14.8						14.9
64						11.9						13.8						14						14.1
66						9.8						11.7						13.2						13.4

- Notes: 1. The actual weight of hook, sling, and wire rope rove on hook and boom head must be deducted from the rated lifting capacity in the table.
 2. The rated lifting capacity in the table is the value of the crane on level and solid ground with gradient not exceed 1%, slowly lifting a load and without travel.
 3. The rated load refers to the value when load is suspended freely. The influence of wind on lifting load, ground condition, ground slope, operating speed and any other factors that have negative influence on the safe operation of the equipment are not considered. Therefore, the operator is responsible to assess the current situation and reduce the load and speed accordingly.
 4. When boom and jib combination length exceeds 71m, it is suggested to use wedge to assist boom raising.

Main boom: 48~60 m Tower jib: 19~64 m

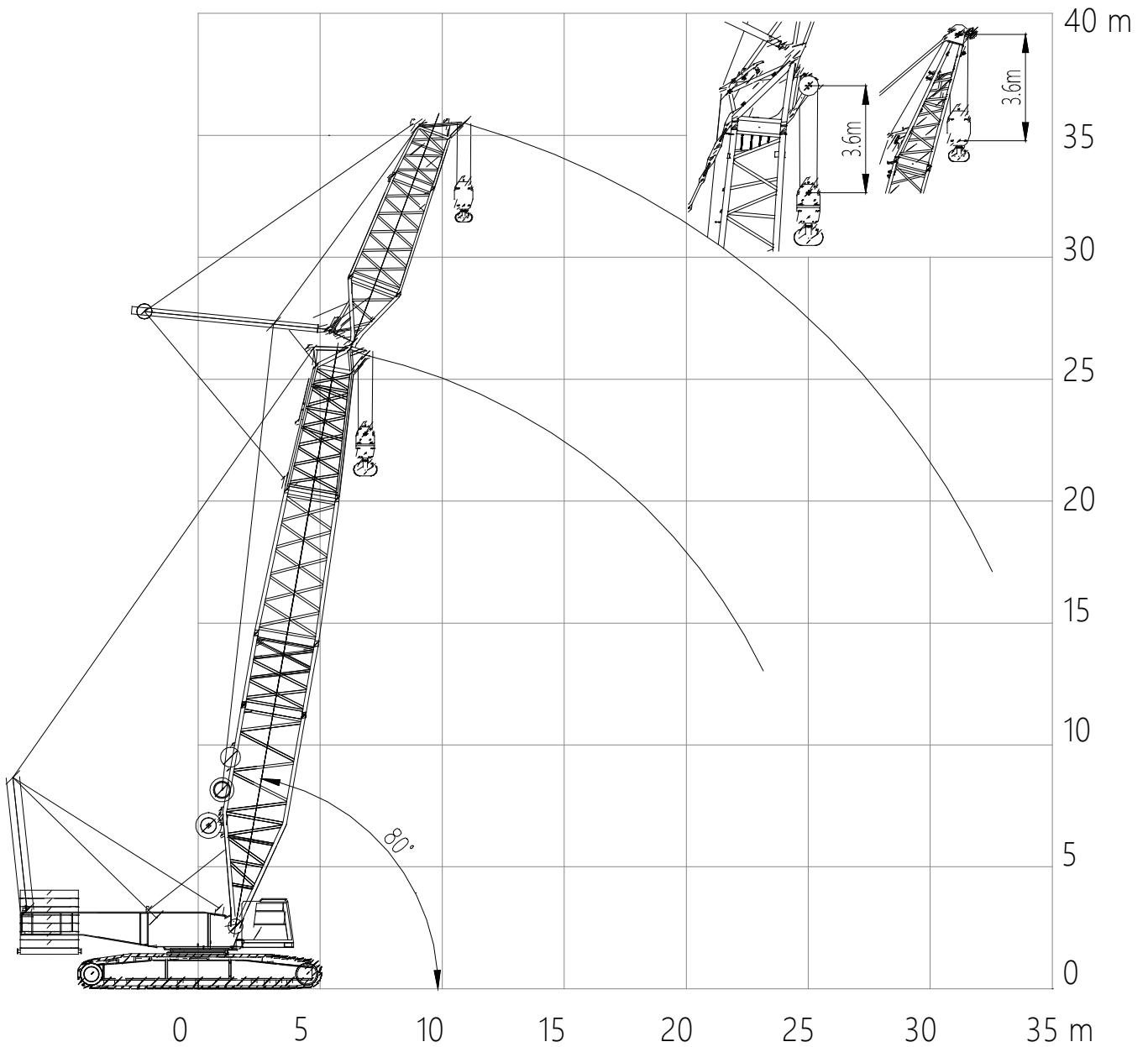


	48						54						60					
	19	28	37	46	55	64	19	28	37	46	55	64	19	28	37	46	55	64
13	126.5						120.6											
14	118						113.3						100.4					
15	110.6	104.8					106.3						96.7					
16	104	98.7					100.1	95					93.2	80.1				
17	98.2	93.2	87.9				94.6	89.9					89.8	78				
18	93	88.3	84				89.7	85.2	76.5				86.5	75.5				
19	88.3	83.9	79.9				85.2	81	74.4				82.3	72.8	62.6			
20	84.1	79.9	76.1	67.6			81.2	77.2	72.1	61.1			78.5	70	60.8			
22	75.8	72.9	69.4	64.4	54.1		74.3	70.6	67.2	58.3			71.9	64.5	57	49.4		
24	67.8	66.8	63.8	60.9	52	41.9	67.7	64.9	61.8	55.2	47.4		65.2	59.2	53.2	46.8	40.5	
26		61.1	59	56.1	49.7	40.7		60.1	57.2	52	45.4	38.3	59.8	54.1	49.4	44.2	38.7	33
28		56.2	54.5	51.6	47.3	39.6		55.4	53.1	48.8	43.2	36.9		49.5	45.8	41.5	36.8	31.7
30		51.6	50.4	47.6	44.3	38.4		51.3	49.5	45.6	41	35.5		45.2	42.3	38.9	34.9	30.5
32		45.9	46.8	44.1	41.3	36.9		47.3	45.6	42.6	38.7	34		41.3	39	36.3	33	29.1
34			43.3	41	38.7	35		40.3	41.9	39.7	36.5	32.4		37.8	35.9	33.8	31.1	27.7
36			40.3	38.3	36.2	32.8			38.5	36.9	34.4	30.8			33.1	31.5	29.3	26.4
38			37.5	35.9	34.1	30.8			35.4	34.3	32.3	29.3			30.5	29.3	27.5	25
40			33.4	33.7	32.1	28.9			32.6	31.8	30.3	27.8			28.1	27.2	25.8	23.7
42			29.1	31.8	30.3	27.1			30.1	29.5	28.4	26.3			26	25.3	24.2	22.4
44				29.7	28.6	25.5				27.4	26.6	24.9				23.5	22.6	21.1
46				27.5	27.1	24				25.5	24.9	23.5				21.8	21.2	19.9
48				25.5	25.3	22.6				23.7	23.3	22.1				20.3	19.8	18.8
50				22.9	23.6	21.2				22	21.8	20.9				18.9	18.5	17.7
52					22.1	20					20.4	19.7				17.6	17.3	16.6
54					20.6	18.9					19.1	18.5					16.2	15.7
56					19.3	17.9					17.9	17.5					15.1	14.7
58					18.1	16.9					16.7	16.4					14.2	13.8
60						15.9					15.7	15.5					13.3	13
62						15.1						14.6						12.2
64						14.3						13.7						11.5
66						13.5						12.9						10.8
68						12.8						12.2						10.2

- Notes: 1. The actual weight of hook, sling, and wire rope rove on hook and boom head must be deducted from the rated lifting capacity in the table.
 2. The rated lifting capacity in the table is the value of the crane on level and solid ground with gradient not exceed 1%, slowly lifting a load and without travel.
 3. The rated load refers to the value when load is suspended freely. The influence of wind on lifting load, ground condition, ground slope, operating speed and any other factors that have negative influence on the safe operation of the equipment are not considered. Therefore, the operator is responsible to assess the current situation and reduce the load and speed accordingly.
 4. When boom and jib combination length exceeds 71m, it is suggested to use wedge to assist boom raising.

TBF

TBM operation mode



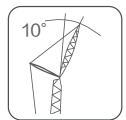
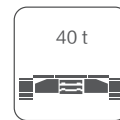
HBF

Main boom combinations							
Boom combination code *	①	②	⑤	⑥	⑩	(14)	(15)
23m+10m	1	1	1	1	1	1	1

Notes: 1. Please refer to the appendix on the last page for details of boom combination codes.

HBF

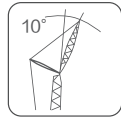
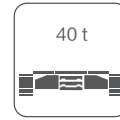
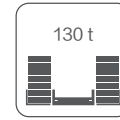
Main boom: 24m Jib: 10m



Boom angle (°)	Main hook radius (m)	Main hook load (t)	Aux. hook radius (m)	Aux. hook load (t)	Combined radius of main hook and auxiliary hook (m)	Combined lifting of main and aux. hook blocks (t)
80	6.9	288.3	10.9	130	8.9	218.6
78	7.7	260.7	12.0	124.6	9.85	209.2
76	8.5	234.2	13.2	119.7	10.85	189.5
74	9.3	212.4	14.3	115.4	11.8	173.1
72	10.1	194.3	15.4	111.5	12.75	159.4
70	10.8	178.9	16.5	107.9	13.65	146.9
68	11.6	165.7	17.5	101.7	14.55	133.2
66	12.4	154.3	18.6	93.5	15.5	121.9
64	13.1	144.1	19.6	86.4	16.35	112.3
62	13.8	132	20.6	80.3	17.2	104.1
60	14.5	121.7	21.6	75	18.05	97.1
58	15.2	112.9	22.6	70.4	18.9	90.9
56	15.9	105.3	23.5	66.3	19.7	85.6
54	16.6	98.6	24.4	62.7	20.5	80.8
52	17.2	92.7	25.3	59.4	21.25	76.6
50	17.9	87.5	26.1	56.6	22	72.9
48	18.5	82.9	26.9	54	22.7	69.6
46	19.0	78.8	27.7	51.6	23.35	66.6
44	19.6	75.1	28.5	49.5	24.05	63.9
42	20.2	71.8	29.2	47.6	24.7	61.4
40	20.7	68.8	29.9	45.9	25.3	59.2
38	21.2	66.1	30.5	44.3	25.85	57.3
36	21.6	63.7	31.2	42.9	26.4	55.5

HBF

Main boom: 24m Jib: 10m

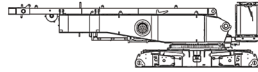


Boom angle (°)	Main hook radius (m)	Main hook load (t)	Aux. hook radius (m)	Aux. hook load (t)	Combined radius of main hook and auxiliary hook (m)	Combined lifting of main and aux. hook blocks (t)
80	6.9	286.7	10.9	130	8.9	218.6
78	7.7	254.5	12.0	124.6	9.85	204.3
76	8.5	228.6	13.2	119.7	10.85	185.1
74	9.3	207.3	14.3	115.4	11.8	169.1
72	10.1	189.6	15.4	111.5	12.75	155.2
70	10.8	174.5	16.5	105.6	13.65	139.3
68	11.6	161.6	17.5	96.2	14.55	126.2
66	12.4	149.8	18.6	88.4	15.5	115.4
64	13.1	136	19.6	81.6	16.35	106.3
62	13.8	124.5	20.6	75.8	17.2	98.5
60	14.5	114.7	21.6	70.8	18.05	91.8
58	15.2	106.3	22.6	66.4	18.9	85.9
56	15.9	99	23.5	62.5	19.7	80.8
54	16.6	92.7	24.4	59	20.5	76.3
52	17.2	87.1	25.3	55.9	21.25	72.3
50	17.9	82.1	26.1	53.2	22	68.8
48	18.5	77.7	26.9	50.7	22.7	65.6
46	19.0	73.8	27.7	48.5	23.35	62.7
44	19.6	70.3	28.5	46.5	24.05	60.1
42	20.2	67.2	29.2	44.6	24.7	57.8
40	20.7	64.3	29.9	43	25.3	55.7
38	21.2	61.8	30.5	41.5	25.85	53.8
36	21.6	59.5	31.2	40.2	26.4	52.1

Dimensions of transported components

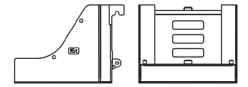
Basic machine transport plan A

Length	13300 mm
Width	3000 mm
Height	3400 mm
Weight	47200 kg
Qty.	1



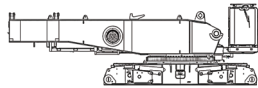
Turntable counterweight frame

Length	2820 mm
Width	2530 mm
Height	1970 mm
Weight	15000 kg
Qty.	2



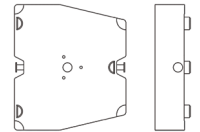
Basic machine transport plan B

Length	10800 mm
Width	3000 mm
Height	3400 mm
Weight	39800 kg
Qty.	1



Turntable counterweight blocks

Length	2100 mm
Width	2380 mm
Height	600 mm
Weight	10000 kg
Qty.	10



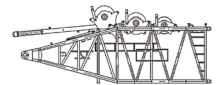
Mast independent transport parts (optional)

Length	10940 mm
Width	1790 mm
Height	1600 mm
Weight	7400 kg
Qty.	1



Boom butt section

Length	9700 mm
Width	3000 mm
Height	3660 mm
Weight	15000 kg
Qty.	1



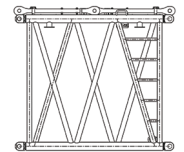
Left track frame

Length	10000 mm
Width	1510 mm
Height	1450 mm
Weight	24600 kg
Qty.	1



Main boom 3mA section

Length	3160 mm
Width	2980 mm
Height	2820 mm
Weight	1200 kg
Qty.	1



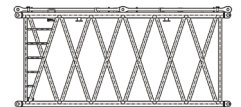
Right track frame

Length	10000 mm
Width	1510 mm
Height	1450 mm
Weight	24600 kg
Qty.	1



Main boom 6mA section

Length	6160 mm
Width	2980 mm
Height	2820 mm
Weight	2400 kg
Qty.	1



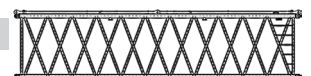
Car-body counterweight block

Length	5800 mm
Width	1690 mm
Height	720 mm
Weight	20000 kg
Qty.	2



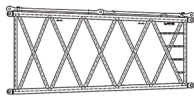
Main boom 12mA section

Length	12160 mm
Width	2980 mm
Height	2820 mm
Weight	4100 kg
Qty.	2



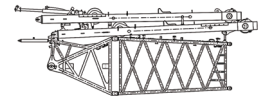
6m boom transition section

Length	6160 mm
Width	2980 mm
Height	2820 mm
Weight	2200 kg
Qty.	1



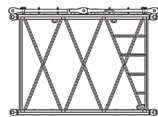
Tower jib 4-piece set

Length	9450 mm
Width	2900 mm
Height	3450 mm
Weight	6250 kg
Qty.	1



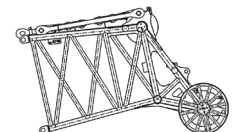
Main boom 3mB section

Length	3160 mm
Width	2560 mm
Height	2370 mm
Weight	1100 kg
Qty.	1



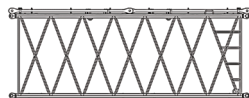
Tower jib top section

Length	3900 mm
Width	2200 mm
Height	2310 mm
Weight	2200 kg
Qty.	1



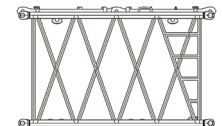
Main boom 6mB section

Length	6160 mm
Width	2560 mm
Height	2370 mm
Weight	1800 kg
Qty.	1



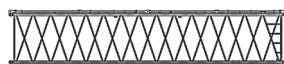
Tower jib 3mC section

Length	3200 mm
Width	2120 mm
Height	1960 mm
Weight	700 kg
Qty.	1



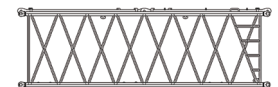
Main boom 12mB section

Length	12160 mm
Width	2560 mm
Height	2370 mm
Weight	3600 kg
Qty.	2



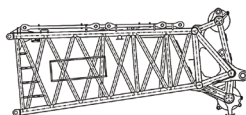
Tower jib 6mC section

Length	6200 mm
Width	2120 mm
Height	1960 mm
Weight	1200 kg
Qty.	1



Main boom top section

Length	6660 mm
Width	2620 mm
Height	2990 mm
Weight	5200 kg
Qty.	1



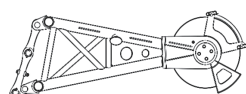
Tower jib 12mC section

Length	12200 mm
Width	2120 mm
Height	1960 mm
Weight	2100 kg
Qty.	2



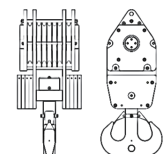
Main boom pulley

Length	2200 mm
Width	1500 mm
Height	800 mm
Weight	470 kg
Qty.	1



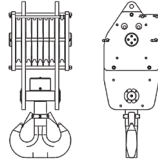
200t capacity hook block

Length	990 mm
Width	760 mm
Height	2240 mm
Weight	4140 kg
Qty.	1



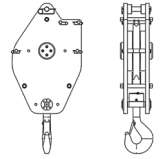
160t capacity hook block

Length	870 mm
Width	760 mm
Height	2120 mm
Weight	3900 kg
Qty.	1



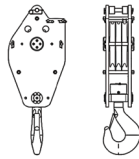
32t capacity hook block

Length	760 mm
Width	400 mm
Height	1628 mm
Weight	1190 kg
Qty.	1



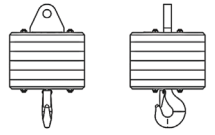
80t capacity hook block

Length	760 mm
Width	584 mm
Height	1998 mm
Weight	2010 kg
Qty.	1



13.5t capacity hook block

Length	485 mm
Width	485 mm
Height	787 mm
Weight	500 kg
Qty.	1



Symbols

	Rated lifting capacity		Maximum main boom Length
	Max. length of combined boom		Turntable counterweight
	Working radius		Angle between boom and jib
	Undercarriage counterweight		Main boom angle (tower jib operation mode)

Boom code

No.	Name	Length (m)	No.	Name	Length (m)
①	Boom butt	9	(13)	Standard section 12mC	12
②	Standard section 3mA	3	(14)	Tower jib top section 3m	3
③	Standard section 6mA	6	(15)	2.5m tower jib butt	2.5
④	Standard section 12mA	12			
⑤	6m transition section	6			
⑥	Boom top	6			
⑦	Standard section 3mB	3			
⑧	Standard section 3 mA	6			
⑨	Standard section 12mB	12			
⑩	4.5m transition section assy.	4.5			
(11)	Standard section 3mC	3			
(12)	Standard section 6mC	6			

Construction cases



XLC350 CRAWLER CRANE

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The Baden Davis Crane Connection Pty Ltd
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XCMG CRANE



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