

WITH **GREAT POWER**
COMES **GREAT RESPONSIBILITY**

ZOOMLION

ALL TERRAIN CRANE

ZAT2000V853-1



ZOOMLION

Zoomlion Heavy Industry Science & Technology Co.,Ltd.

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website:en.zoomlion.com 2025.07.09

Max. rated lifting capacity
200t

Max. load moment of basic boom
540t·m

Max. lifting height of main boom
88m

Max. lifting height of jib
116.5m

Technical Highlights

Preferred ultimate and convenient 200 t all terrain crane has stable performance in the industry.

Powerful lifting performance

- Superstrong 8-section main boom has an oval-form boom profile. Moreover, optimal depth-width ratio and strong lateral rigidity can reduce the side bend efficiently.
- Max. lifting load of the longest main boom (namely 88 m) is 6.3 t. The lifting load of the main boom and (the longest) jib (namely 116.5 m) is 1.6 t.

Convenient transit and operation

- During transit, the vehicle travels with 27 t counterweight at low speed. In addition, this crane can finish 70% Oms.
- The full set of counterweight is 60 t. The counterweight can change its position for 0.55 m. The counterweight front position is applied for a narrow jobsite. As for the counterweight rear position, it is equal to 66 t.
- 17.5 m jib is attached with the vehicle during traveling. Besides, this crane can satisfy the lifting requirements at 100 m height.

Outstanding configuration

- Double engine configuration, Yuchai chassis engine (YCK11460-50) and Cummins superstructure engine (6L, AdBlue-free), supplies a strong power.
- It is a true 240 t all terrain chassis. Axles 2, 4 and 5 are drive axles. All wheels steer. And the traveling performance is outstanding.



Crane Data

Hook (transported individually)

● Standard ○ Optional

Specification	Weight (t)	Transport dimensions (mm)	Reeving	Single hook	Double hook	Standard/optional configuration
110t	1.28	1835x805x650	14		Double hook	○
90t	1.05	1665x650x755	14		Double hook	○
70t	0.92	1580x650x700	10		Double hook	○
70t	0.9	1675x650x580	10	Single hook		○
60t	0.75	460x650x1580	8		Ramshorn hook	●
25t	0.58	1410x650x390	3	Single hook		○
8t	0.38	Φ 405x900	1	Auxiliary hook		●

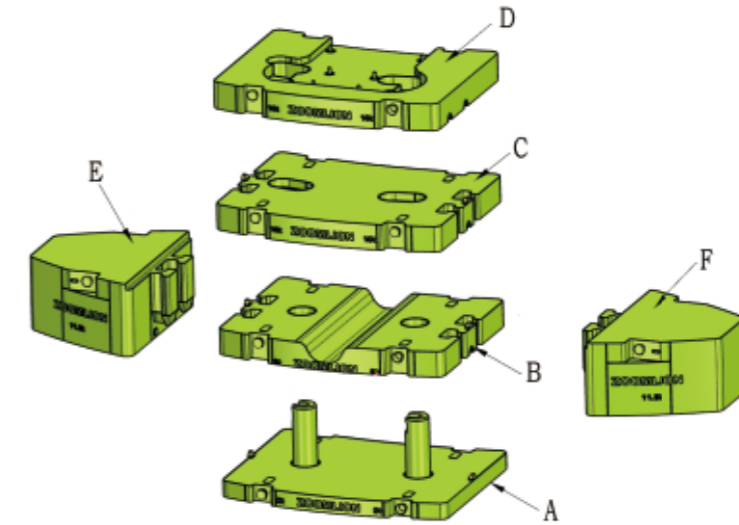
Wire rope

	Φ		F
1	Φ 20mm	360m	9.3t
2	Φ 20mm	245m	9.3t

Optional components

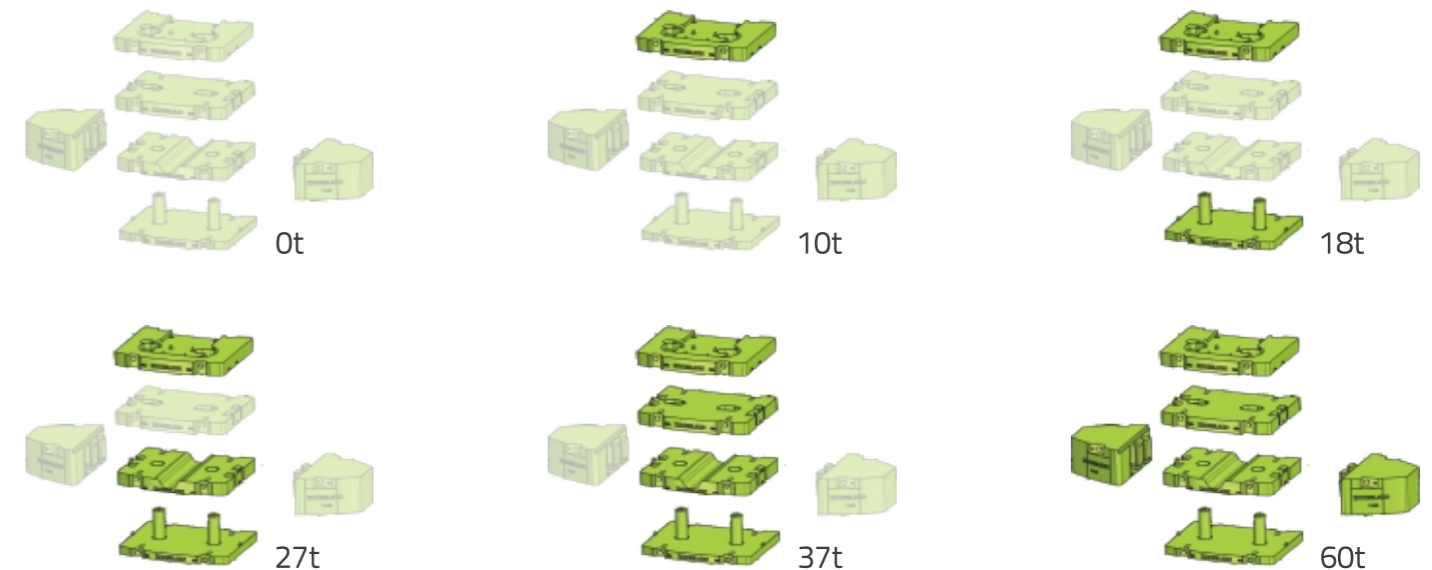
No.	Description	Remarks
1	Base plate of outrigger	Overall dimensions:1550mm*1550mm*120mm, 4 pieces
2	Extension	Including 2 pieces of 8m extensions
3	Hook	Standard configuration: 60t (ramshorn hook), 8t Options: 110t, 90t, 70t (ramshorn hook), 25t

Counterweight



	Description	Mass (t)	Transport dimensions (mm)	Quantity (piece)
A	Lower counterweight	8	3000x2350x980	1
B	Intermediate counterweight	9	3000x2350x340	1
C	Intermediate counterweight	10	3000x2350x340	1
D	Fixed counterweight	10	3000x2350x350	1
E	Side counterweight	11.5	2250x1600x950	1
F	Side counterweight	11.5	2250x1600x950	1

Counterweight combinations



Specifications

Crane Superstructure

Main boom

- 8 boom sections made of 1100MPa high-tensile steel.
- Optimal oviform boom profile of particular tensional rigidity, outstanding local stability and for the super lifting capacities.
- Main boom length: 14.4 m – 88 m.

Jib

- Jib variants: 10.4 m, 17.5 m, 25.5 m (One section of 8 m jib extension is available for options.), 33.5 m (Two sections of 8 m jib extension are available for options.).
- During the transition under the low speed, 17.5m jib can be located on the side of the main boom via the pins.

Telescoping system

- The telescopic boom is telescoped by the single-stage telescoping cylinder with hydraulic interlocking device.
- Rapid-cycle telescoping system with ‘automatic mode”, i.e. all-automatic telescoping to the desired boom length in sequence.

Hoist gear

- Hydraulic motor + planetary reducer.
- The main and auxiliary winches can be operated independently or simultaneously.
- High-performance rotation-resistant ropes can be used without swivel under the load and can be arranged orderly on the drum; the press nipple can be used for rapid reeving change.

Luffing gear

- One hydraulic cylinder, providing the boom with smooth luffing movements from -0.5° to 80° .

Slewing gear

- Two slewing gears, consisting of hydraulic motor and planetary reducer.
- Slewing speed: 0 – 1.6 rpm.

Slewing table

- Box-type, torsion resistant design of high-tensile steel, providing super load bearing capacity.

Counterweight

- 60t total counterweight among which 37t main body counterweights (4 pieces), 11.5t side counterweights (2 pieces).
- Counterweight combinations include 0t, 10t, 18t, 27t, 37t and 60t.

Hook

- Hook: 110t, 90t, 70t (ramshorn hook), 70t (single hook), 60t (ramshorn hook), 25t, 8t.
- Among which, 60t (ramshorn hook) and 8t hooks are standard configurations. The rest hooks are available for options.

Operator’s cab

- 4.0 series spacious panoramic cab with sliding door, outward pushing windshield, front foot pedal, safe guard rail around the roof of the cab.
- No instrument console and electric elements are in the front of the cab. And thus, you can have a good riding experience due to spacious room and comfortable feeling.
- Integrated bus key panel is compact, simple and reliable. Night vision background light is clear and makes night work safe.
- Vertical 10.4 inch two-in-one LCD (touch screen) integrates all of functions and has good observation angle. And thus, you can have good operation experience.
- It is with USB plug. And thus, it is chargeable.
- The cab can be tilted for 0-20° to improve operator’s field of vision and reduce the operation intensity.
- Cab heater and air conditioning.

Hood

- In frame-type structure of high functionality and convincing design.

Engine

- Model: QSB5.9-C220-30.
- Type: 6-cylinder in line, water-cooled diesel with 4 stroke cycles, turbo-charged, intercooled.
- Displacement: 5.9 L.
- Rated maximum power / RPM: 154 kW at 2200 r/min.
- Max. output torque / RPM: 820 N.m at 1300 ~1700r/min.
- Off-road China III emission standard.
- Capacity of diesel oil tank: 220 L.
- Standard configuration: spark arrestor.

Control system

- Superstructure operating mode consists of the electro-hydraulic proportional operation and the computer integrated control. Superstructure hydraulic system adopts open and closed combined system.
- It is of these functions such as the counterweight self-assembly and dismantling function as well as the operator’s cab tilting angle adjustment function. In addition, it also has good starting and braking stability and the higher system reliability.

Monitoring system

- Applying the bus technology, the superstructure and the chassis can monitor the outrigger pressures and the tilting angle of the chassis frame in real time. And thus, prevent the dangerous situations from happening.
- The complete vehicle is equipped with several encoders and sensors which can monitor each system state of the vehicle in real time. Combining with the upgraded safety strategy, prevent the dangerous situations from happening. And thus, realize the high efficient safety operation.

Specifications

Crane Chassis

Engine

- Model: YCK11460-50.
- Type: 6-cylinder in line, water-cooled diesel with 4 stroke cycles, turbo-charged, intercooled.
- Displacement: 10980ml.
- Rated maximum power / RPM: 339 kW at 1900 r/min.
- Max. output torque / RPM: 2200 N.m at 1100 ~1500r/min.
- Exhaust emission limit value: Europe V emission.
- Capacity of diesel oil tank: 500 L.

Transmission

- F12JZ22A 12 gears transmission system with automatic switching system manufactured by Shaanxi FAST Auto Drive Co., Ltd.

Axles

- Axle load: 13 tons.
- All axles steer.
- Drive type: 10 × 6.
- Axles 2, 4 and 5 are steer and drive axles. Axles 1 and 3 are steer axles.
- The drive axles are equipped with the transversal differentials and differential locks. The through drive axle (axle 4) is equipped with longitudinal differential and differential lock.
- With disc brake and drum brake.

Outrigger

- H type two sectional outrigger, box-shaped section, made of high-tensile steel.

Tires

- Tubeless tire.
- Tire size: 385/95R25 (basic configuration).
- Tire pressure: 1 Mpa.
- Rim type: 9.5 - 25.
- Tightening torque of tire bolt: 650 – 700 N.m.

Steering system

- All-wheel variable steering system with 6 steering programs
- The steering system, which is mechanically and electro-hydraulic controlled, consists of a double-channel steering gear, the hydraulic booster and the emergency steering system.
- Axles 1 and 2 are mechanically steered by the steering wheel. Axles 3, 4 and 5 are steered by the electro-hydraulic proportional control system.
- Steering of the booster cylinder is controlled by the PLC and the proportional valve. Steering axles are equipped with angle sensors.
- During steering, the angle sensors will detect corresponding signals and will send the signals to the PLC. PLC will calculate the steering angles required by each axle according to the selected steering mode and the steering angle of axle 1. Signals for the calculated target steering angles for each steering axle will be transmitted to the control plate for the proportional valve via the output port of the PLC. The control plate will open the proportional valve core to drive steering booster cylinders. In this way, axles are steered. At the same time, the angle sensor will detect the actual steering angles of steering axles and adjust the control signal of the proportional valve until the feedback signals are equal to the command signals. Consequently, rear axles can be rapidly, correctly and reliably steered depending on the speed and steering angle of axle 1.

Suspension

- All axles with hydro-pneumatic suspension and automatic leveling system.
- Load equalization between the axle pairs.
- The axles are hydro-pneumatically sprung via hydraulic cylinders and are hydraulically lockable. Entire vehicle can be raised or lowered and its left / right side can also be raised or lowered independently. All tires can be raised or lowered after the crane is supported on outriggers.
- The synchronized extension and retraction movements of suspension cylinders can be realized by the speed control valve fitted in the oil line of suspension control valve.

Brake system

- It consists of the service brake, the parking brake (the emergency brake) and the auxiliary brake.
- Service brake: dual-circuit air brake system, acting on wheel rims of 5 axles.
- Parking brake (Emergency brake): spring brake, acting on wheel rims of 4 axles.
- Auxiliary brake: engine exhaust brake.

Electrical system

- The chassis adopts two N200 batteries which are series connected (the rated voltage of each battery is 12 V). The electrical system is single-wired. The negative pole is earthed via the battery master switch to form a circuit with 24 V output voltage.
- The batteries comply with the requirements stipulated in GB/T5008.1-2013 Lead-acid Starter Batteries — Technical Requirements and Methods of Tests.
- The standard generator is an alternator (28 Volt and 70 Ah).

Driver’s cab

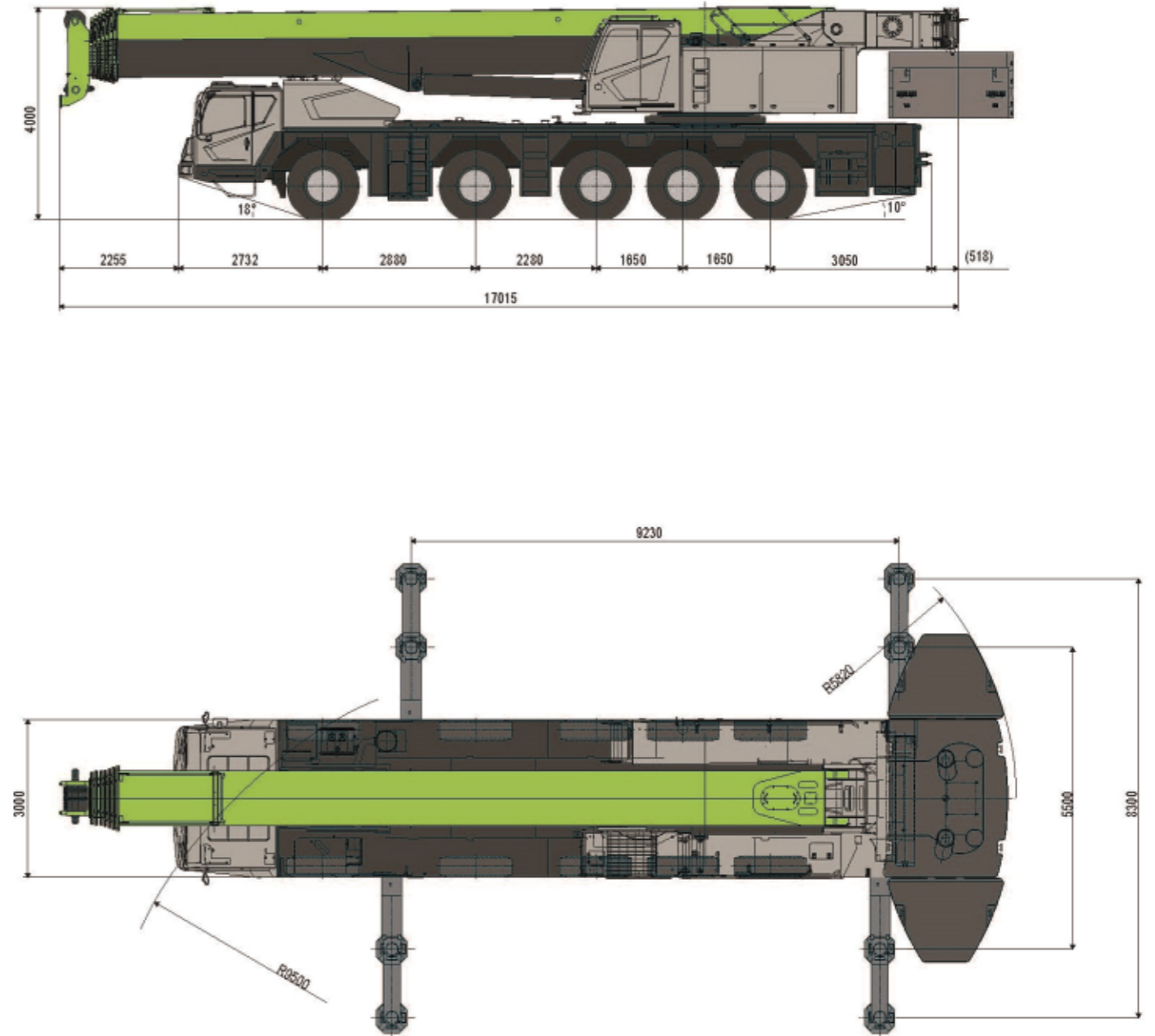
- The low-mounted, full-width and all-metal welded spacious cab with flexible lining is of convincing design and outstanding functionality. The control elements and displays are arranged according to ergonomic factors, thus for safe and convenient handling at permanent operation. The cab is with the following features:
- Height and inclination adjustable steering wheel, sliding windows, windshield wiper & washing device and large reflectors.
- Luxurious instrument console equipped with all kinds of instruments (multifunctional electronic instrument), control lights, control switches, cigarette lighter and MP3 player and so on.
- Adjustable cab heater / defroster and air conditioning.
- Rearview camera.
- The multifunctional integral electronic instrument in multiple interfaces with convenient interactive functions is independently developed by Zoomlion. It has a touch screen. It not only can display the common information about the crane during normal driving, but also can display the vehicle steering status. You can set and modify the steering mode and hydro-pneumatic suspension via switching over the screens.
- 2 comfortable seats with armrests and seat belts.
- The pneumatically suspended driver’s seat can be adjusted automatically to suit any driver height and size.

Technical Data

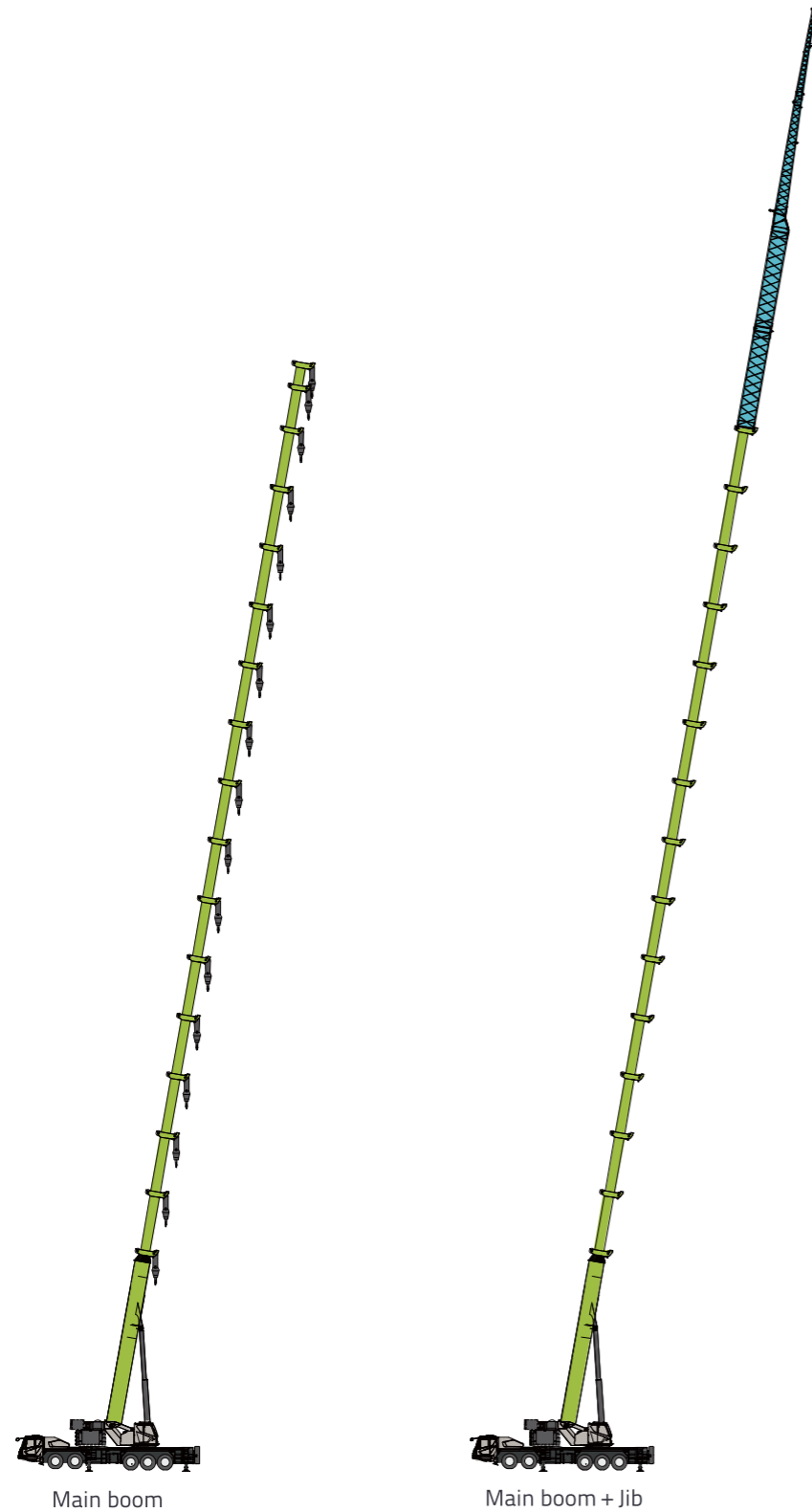
	Item	Unit	Values	Remarks
 Work performance	Max.rated lifting capacity	t	200	
	Max.load moment of basic boom	t.m	540	
	Max.load moment of main boom(fully extended)	t.m	211.2	
	Max.lifting height of basic boom	m	14.4	
	Max.lifting height of main boom	m	88	These parameters do not include deflection of boom and jib.
	Max.lifting height of jib	m	116.5	
 Work speeds	Max.hoist rope speed(main winch)	m/min	135	
	Boom derricking up time	s	70	
	Boom extending time	s	880	
	Slewing speed	r/min	0-1.6	
 Driving	Max.operation altitude	m	2000	
	Max.driving speed	km/h	80	
	Max.gradeability	%	48	
	Min.turning diameter	m	18.5	
	Min.ground clearance	mm	326	
	Limits for exhaust pollutants and smoke		Europe V	
	Front overhang angle	°	18	
	Rear overhang angle	°	10	
 Mass	Deadweight in driving condition(total mass)	kg	54900	
	Complete vehicle kerb mass	kg	54770	
	Single axle load	kg	12000/12500/12500/12500/12500	
 Dimensions	Overall dimensions(L×W×H)	mm	17015×3000×4000	
	Outrigger spread(W)	m	Completely extended:8.3m; Intermediately extended:5.5m	
	Outrigger spread(L)	m	9.23	
	Slewing radius of counterweight tail	mm	5820	
	Main boom length	m	14.4-88	
	Boom angle	°	-0.5-80	
Jib length	m	10.4,17.5	Options:25.5m,33.5m	

Dimensions

Unit: mm



Boom/jib Combination



Main boom

Main boom + Jib

Lifting Height Chart+Lifting Capacity Chart

The graphic description is as follows:

Graphical representation	Description	Graphical representation	Description
	Main Boom OM		Outriggers completely extended
	Jib OM		Outriggers intermediately extended
	Boom length		Counterweight
	Working radius		Slewing radius of counterweight
	Over full range		Counterweight front position
	Max. reeving		Counterweight rear position

The standard configuration is 60t hook. If the rated lifting capacity is more than 60t, select the other hooks.

When the lifting capacity is more than 100t (or the reeving of the wire rope exceed 12), the hook and the pulley on the boom frame need to be modified. Contact the manufacturer in advance if necessary. OMs marked with the pentacles (★) are optimal telescoping combinations.

Do not lift a load that is above the capacity of the crane under any condition, especially for small counterweight and outriggers intermediately extended Oms.

Do not perform the lifting operation when the wind speed exceeds the limit, especially for long boom length and large working radius OM.

When the outriggers are intermediately extended, max. counterweight is 45t. Otherwise, the crane may tip over backwards.

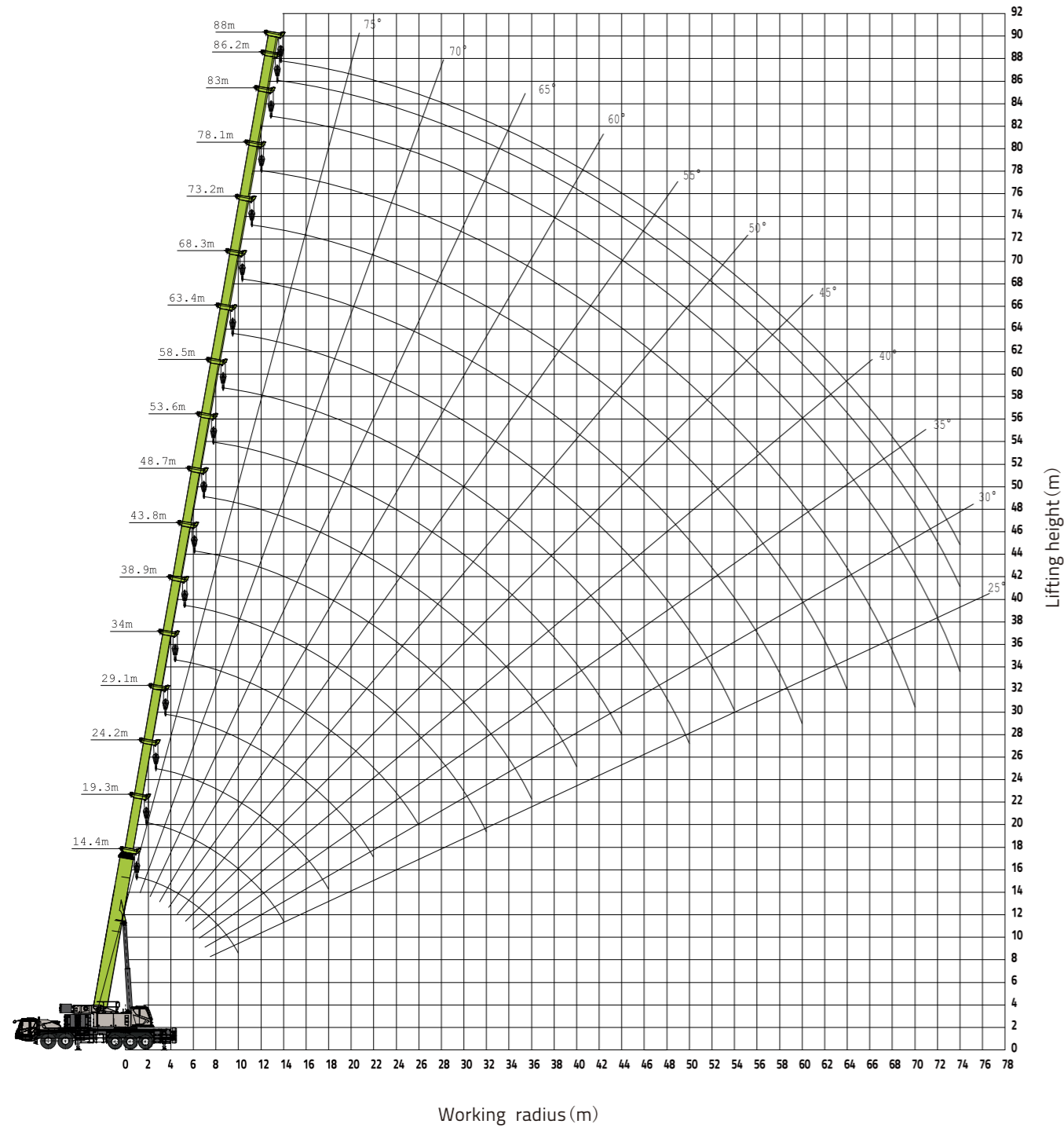
A temperature difference occurs between the side facing the sun and the side facing away from the sun in cranes with telescopic booms. The sunshine will cause that the material of the boom frame expands in hot condition and shrinks in cold condition, which affect the straightness of the boom frame to some extent, especially on the lateral sunshine.

When lowering the load from high place, first perform rope arrangement OM, and then use a hook of large weight and apply big reeving as possible as you can in order to reduce the working layers of the winch.

Select the proper hook and a multiple reeving operation in order to reduce the working pulling force of single rope and the risk of wire rope damage.

Lifting Height Chart

Main boom OM: 14.4 m-88 m



Lifting Capacity Chart



Unit: ton

	14.4★	19.3	19.3	19.3	19.3	19.3	19.3★	24.2	24.2	24.2	24.2	24.2	24.2	24.2★		
2.5	200*														2.5	
3.0	130	50	69	75	95	105	110								3.0	
3.5	115	47	69	75	95	104	105	22	44	53	75	92	95	98	3.5	
4.0	105	45	67	75	93	103	104	22	44	53	72	91	93	93	4.0	
4.5	101	43	64	75	90	97	97	22	43	53	68	87	92	92	4.5	
5.0	96	42	60	75	85	92	92	21.5	42	53	65	83	90	90	5.0	
6.0	85.5	38.5	54	68	80	84	84	19.5	37.5	48	58	76	81	81	6.0	
7.0	76	35.5	48	61	73	74.5	74.5	17.6	34	44	52	71	73	73	7.0	
8.0	67.5	33.5	43	56	66	66.5	66.5	16.2	31	40	48	63	66	66	8.0	
9.0	59	31	40	52	60	61	60	15	29	37	44	60	60	60	9.0	
10.0	52	29.2	37	47	56	55.5	54.5	14	27	34	40	53	54	53	10.0	
12.0		26	31.5	41	46.5	46	45	12.3	23.2	30	35.5	47	46	45	12.0	
14.0		24	27.5	36.5	38.5	38	37	10.9	20.5	26.5	31	38.5	38	37	14.0	
16.0								9.8	18.2	23.6	27.5	33	32	31	16.0	
18.0								9	16.5	21.2	25	29	28	27	18.0	
20.0															20.0	
22.0															22.0	
N _{max}	12	12						12						N _{max}		
Hook	110t															
Telescopic imnode	I	1	1	1	1	1	1	1	1	1	1	1	1	1	2	Telescopic imnode
	II	1	1	1	1	1	1	2	1	1	1	1	1	2	2	
	III	1	1	1	1	1	2	1	1	1	1	2	2	1	1	
	IV	1	1	1	1	2	1	1	1	1	2	2	1	1	1	
	V	1	1	1	2	1	1	1	1	1	2	2	1	1	1	
	VI	1	1	2	1	1	1	1	1	2	2	1	1	1	1	
	VII	1	2	1	1	1	1	1	3	2	1	1	1	1	1	

Lifting Capacity Chart



Unit: ton

Height (m)	29.1	29.1	29.1	29.1	29.1	29.1	29.1★	34	34	34	34	34	34	34★	Height (m)	
4.0															4.0	
4.5	23.5	20	45	56.5	75	85	90								4.5	
5.0	23	19.5	43	54	70	82	87								5.0	
6.0	21.5	17.6	41	50	65	78	80	14.5	19	29	44	54	70	75	6.0	
7.0	20	16	38	45	60	70	72	13.5	17.2	26.5	40	50	66	70.5	7.0	
8.0	18.2	14.5	34.5	41	54	64	64	12.2	16	24.2	37	46	60	64.5	8.0	
9.0	17	13.2	31.5	38	50	58	58	11.3	14.8	22.5	34	42.5	55.5	58.5	9.0	
10.0	16	12.2	29.5	35	47	53	53	10.4	13.8	20	32	39.5	51.5	53	10.0	
12.0	14.1	10.4	25.5	30	41	44	44	8.9	12	18.2	27.5	34.2	44	44	12.0	
14.0	12.5	9	22.5	26.5	36.5	38	37	7.8	10.5	16.1	24.2	30.4	38	37	14.0	
16.0	11.3	8	20	23.5	32.6	33.5	32	6.9	9.4	14.3	21.3	27.3	33	32	16.0	
18.0	10.4	7.1	18.2	21	29.6	28.5	27	6.1	8.4	12.9	19.2	24.6	28.5	26.5	18.0	
20.0	9.5	6.5	16.5	19.2	25.5	24.2	23	5.5	7.8	11.8	17.8	22.5	24.5	23	20.0	
22.0	8.8	6	15.3	17.8	22	21	20	5	7	10.8	16	20.6	21.5	20	22.0	
24.0								4.6	6.5	9.8	14.8	19	18.8	17.5	24.0	
26.0															26.0	
28.0															28.0	
30.0															30.0	
32.0															32.0	
N _{max}	10							8							N _{max}	
Hook	90t														Hook	
Telescopic innode	I	1	1	1	1	1	1	2	1	1	1	1	1	1	2	I
	II	1	1	1	1	1	2	2	1	1	1	1	1	2	2	II
	III	1	1	1	1	2	2	2	1	1	1	1	2	2	2	III
	IV	1	1	1	2	2	2	1	1	1	1	2	2	2	2	IV
	V	1	1	2	2	2	1	1	1	2	3	2	2	2	1	V
	VI	2	3	2	2	1	1	1	3	3	2	2	2	1	1	VI
	VII	3	2	2	1	1	1	1	3	2	2	2	1	1	1	VII

Lifting Capacity Chart



Unit: ton

Height (m)	38.9	38.9	38.9	38.9	38.9	38.9	38.9★	43.8	43.8	43.8	43.8	43.8	43.8	43.8★	Height (m)														
6.0															6.0														
7.0	14	18.5	20	25	42	56	62								7.0														
8.0	13.2	17	18.2	23.5	40	51	60								8.0														
9.0	12.2	16	17.2	21.5	37	48	58	12.5	15	18	23	29	41	53	9.0														
10.0	11.3	15	16	20	35	45	53	12	14.5	17	22	27	38.5	50	10.0														
12.0	10	13.3	13.8	17.5	30.5	39.5	44	10.6	12.5	15	19	24	34.2	44	12.0														
14.0	8.8	11.8	12	15.4	27	35	38	9.5	11	13.2	17	21	30.5	38	14.0														
16.0	7.8	10.5	10.7	13.7	24	31.5	32.5	8.6	9.6	11.8	15	18.6	27.6	33	16.0														
18.0	7	9.6	9.5	12.2	22	28	28.5	7.8	8.7	10.8	13.5	16.8	25	28.5	18.0														
20.0	6.3	8.7	8.6	11	20	25	25	7.1	7.8	9.7	12	15	23	25.6	20.0														
22.0	5.8	7.9	7.8	10	18.3	22.5	21.5	6.4	7.1	8.8	11	13.6	21	22	22.0														
24.0	5.3	7.4	7.1	9.1	17	19.5	18.5	5.9	6.4	8.1	10	12.7	19.5	19.6	24.0														
26.0	4.9	6.7	6.4	8.4	15.8	17.5	16.2	5.4	5.8	7.4	9.1	11.6	18.2	16.8	26.0														
28.0	4.5	6.2	5.9	7.7	14.8	15.5	14	5.1	5.3	6.8	8.4	10.7	15.5	15	28.0														
30.0	4.2	5.9	5.5	7	13.8	13.6	12.5	4.7	4.8	6.3	7.8	9.9	14	13.3	30.0														
32.0	3.9	5.5	5.1	6.6	12.9	12.3	10.8	4.4	4.4	5.9	7.2	9.1	12.5	11.8	32.0														
34.0								4.1	4.2	5.4	6.7	8.6	11.3	10.5	34.0														
36.0								3.9	3.8	5	6.2	8	10	9.4	36.0														
38.0															38.0														
40.0															40.0														
N _{max}	7							6							N _{max}														
Hook	90t														55t														Hook
Telescopic innode	I	1	1	1	1	1	1	2	1	1	1	1	1	1	2	I													
	II	1	1	1	1	1	2	2	1	1	1	1	1	2	2	II													
	III	1	1	1	1	2	2	2	1	1	1	2	3	2	2	III													
	IV	1	1	2	3	2	2	2	1	2	3	3	2	2	2	IV													
	V	2	3	3	2	2	2	2	3	3	3	2	2	2	2	V													
	VI	3	3	2	2	2	2	1	3	3	2	2	2	2	2	VI													
	VII	3	2	2	2	2	1	1	3	2	2	2	2	2	1	VII													

Lifting Capacity Chart



Unit: ton

Height (m)	48.7	48.7	48.7	48.7	48.7	48.7	48.7★	53.6	53.6	53.6	53.6	53.6	53.6	53.6★	Height (m)	
8.0															8.0	
9.0															9.0	
10.0	12.5	15	18	23	27	30	38.3								10.0	
12.0	11.5	13	16	20	24	26.2	34.2	11.8	14.5	17	22	23.5	27.5	30.3	12.0	
14.0	10.4	12	14	18	21.5	23.1	30.9	10.8	12.6	15	20	20.7	24.5	30	14.0	
16.0	9.3	10.8	12.8	16	19	20.5	28.0	10	11.5	13.6	18	18.5	22	26.9	16.0	
18.0	8.3	9.7	11.8	14.7	17	18.3	28.5	8.9	10.5	12.6	16.3	16.5	19.5	21.9	18.0	
20.0	7.4	8.7	10.8	13.3	15.5	16.5	25.5	8.2	9.5	11.6	14.7	15	17.7	19.9	20.0	
22.0	6.8	7.9	9.8	12.2	14	15.1	23.2	7.4	8.7	10.6	13.3	13.5	16.2	20.1	22.0	
24.0	6.2	7.2	9	11.3	13	13.7	20.3	6.7	7.9	9.7	12.2	12.3	14.7	18.2	24.0	
26.0	5.5	6.7	8.3	10.4	11.8	12.6	17.8	6.2	7.3	9	11.1	11.3	13.5	16.7	26.0	
28.0	5.1	6	7.7	9.6	10.9	11.5	16.1	5.6	6.8	8.4	10.3	10.3	12.4	15.3	28.0	
30.0	4.7	5.5	7.1	8.8	10.1	10.6	14	5.2	6.3	7.8	9.4	9.4	11.3	13.3	30.0	
32.0	4.3	5.2	6.7	8.2	9.3	9.8	12.5	4.8	5.8	7.3	8.7	8.6	10.4	11.7	32.0	
34.0	4	4.8	6.1	7.7	8.7	9.1	11.4	4.4	5.5	6.8	8	7.9	9.6	10.5	34.0	
36.0	3.7	4.5	5.7	7.2	8	8.4	10.2	4.2	5.1	6.4	7.4	7.3	8.9	9.6	36.0	
38.0	3.4	4.2	5.3	6.7	7.5	7.8	9.1	3.9	4.7	6	6.8	6.8	8.2	8.5	38.0	
40.0	3.1	3.9	4.9	6.3	6.9	7.3	8.2	3.6	4.4	5.6	6.4	6.3	7.6	7.6	40.0	
42.0								3.4	4.1	5.3	5.8	5.8	7.1	6.9	42.0	
44.0								3.1	3.9	4.9	5.5	5.2	6.3	6.1	44.0	
46.0															46.0	
48.0															48.0	
N _{max}	5							4							N _{max}	
Hook	55t														Hook	
Telescopic innode	I	1	1	1	1	1	1	2	1	1	1	1	1	2	3	I
	II	1	1	1	1	2	3	2	1	1	1	2	3	3	2	II
	III	1	1	2	3	3	2	2	1	2	3	3	3	2	2	III
	IV	2	3	3	3	2	2	2	3	3	3	3	2	2	2	IV
	V	3	3	3	2	2	2	2	3	3	3	2	2	2	2	V
	VI	3	3	2	2	2	2	2	3	3	2	2	2	2	2	VI
	VII	3	2	2	2	2	2	2	3	2	2	2	2	2	2	VII

Lifting Capacity Chart



Unit: ton

Height (m)	58.5	58.5	58.5	58.5	58.5	58.5★					63.4	63.4	63.4	63.4	63.4★	Height (m)			
9.0																9.0			
10.0																10.0			
12.0																12.0			
14.0	11	13	16	19	22.5	23.5					11	14	17	20	22	14.0			
16.0	10	12	14.8	17.5	20.2	21.2					10.6	13	16	19	21.6	16.0			
18.0	9.3	11	13.8	15.6	18.2	19.3					9.9	12	14.7	17	19.9	18.0			
20.0	8.7	10	12.6	14	16.5	19.5					9.3	11	13.7	15.5	18.2	20.0			
22.0	7.9	9.3	11.7	12.8	15	16.1					8.5	10.2	12.5	14.2	16.7	22.0			
24.0	7.4	8.5	10.7	11.6	13.8	16.3					7.8	9.5	11.4	13	15.3	24.0			
26.0	6.8	8	10.1	10.7	12.5	15.1					7.4	8.8	10.4	12	14.1	26.0			
28.0	6.2	7.4	9.4	9.7	11.6	13.9					6.8	8.1	9.5	11	13	28.0			
30.0	5.7	6.8	8.9	8.9	10.6	12.9					6.3	7.7	8.8	10.1	12	30.0			
32.0	5.4	6.4	8.3	8.1	9.7	11.8					5.8	7.2	8	9.3	11	32.0			
34.0	5.1	6	7.7	7.4	9	10.5					5.4	6.7	7.4	8.6	10	34.0			
36.0	4.7	5.6	7.1	6.8	8.3	9.2					5.1	6.3	6.8	7.9	9.2	36.0			
38.0	4.4	5.2	6.6	6.3	7.6	8.4					4.8	5.9	6.2	7.2	8.3	38.0			
40.0	4.1	5	6.2	5.8	7.1	7.6					4.4	5.6	5.7	6.7	7.5	40.0			
42.0	3.8	4.7	5.7	5.3	6.5	6.7					4.2	5.2	5.2	6.1	6.8	42.0			
44.0	3.6	4.4	5.3	4.9	6	6					3.9	4.9	4.8	5.6	6.1	44.0			
46.0	3.4	4.1	4.9	4.5	5.5	5.3					3.7	4.7	4.4	5.2	5.4	46.0			
48.0	3.2	3.9	4.6	4.2	5	4.7					3.6	4.4	4.1	4.8	4.8	48.0			
50.0	3	3.7	4.2	3.9	4.4	4.1					3.4	4.2	3.8	4.4	4.2	50.0			
52.0											3.2	3.9	3.5	4	3.7	52.0			
54.0											3	3.6	3.2	3.6	3.2	54.0			
56.0																56.0			
N _{max}	4							3							N _{max}				
Hook	55t														Hook				
Telescopic innode	I	1	1	1	1	2	3							1	1	1	2	3	I
	II	1	1	2	3	3	3							1	2	3	3	3	II
	III	2	3	3	3	3	2							3	3	3	3	3	III
	IV	3	3	3	2	2	2							3	3	3	2	2	IV
	V	3	3	3	2	2	2							3	3	3	2	2	V
	VI	3	3	2	2	2	2							3	3	2	2	2	VI
	VII	3	2	2	2	2	2							3	2	2	2	2	VII

Lifting Capacity Chart

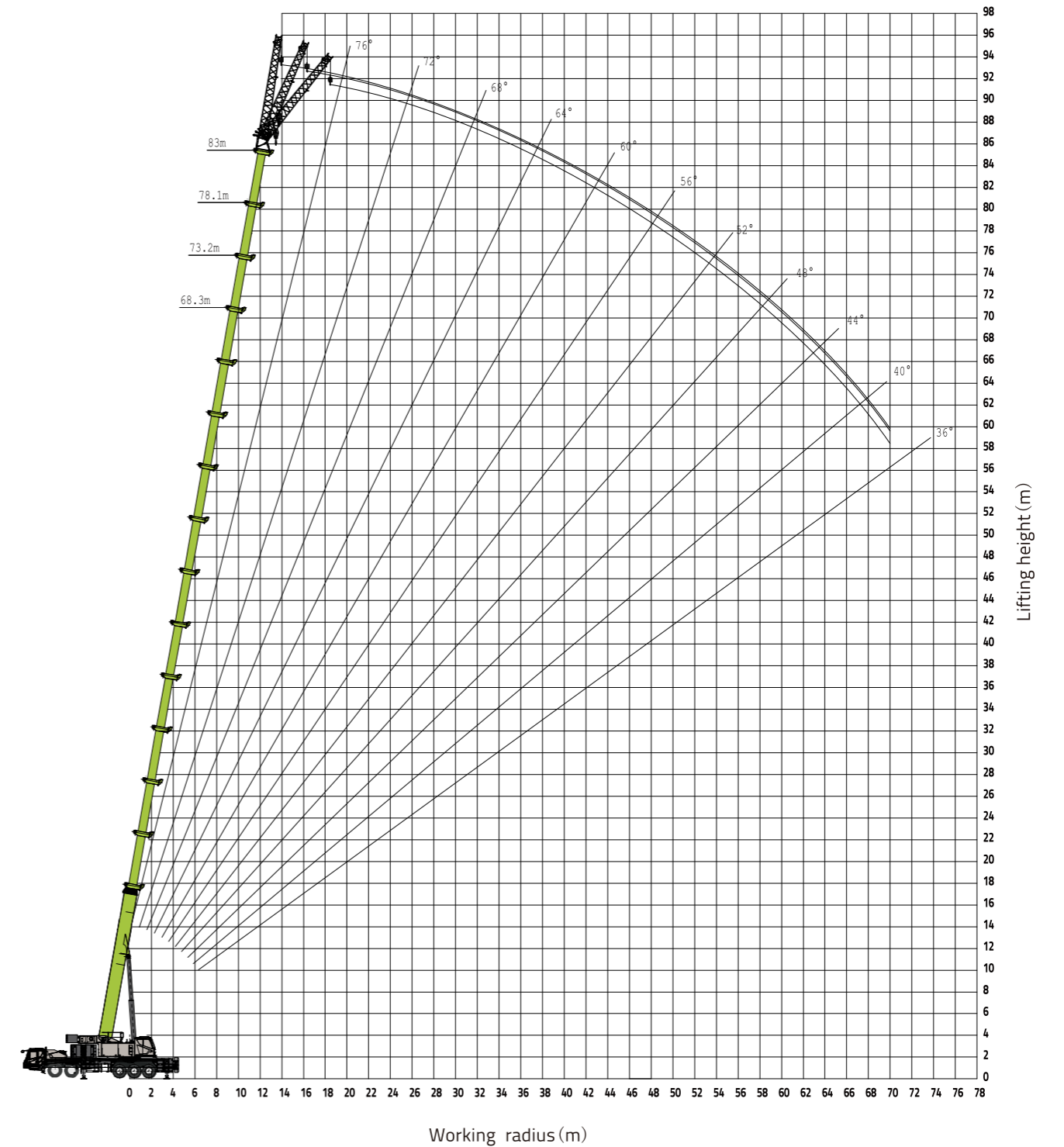


Unit: ton

Reach (m)	68.3	68.3	68.3	68.3★		73.2	73.2	73.2★		78.1	78.1★	83★	86.2★	88★	Reach (m)	
16.0	11	13	16	17.5											16.0	
18.0	10.2	12.5	15	17.3		11	12.5	14							18.0	
20.0	9.6	11.5	14	17		10	12	13.5		9.7	11				20.0	
22.0	9.3	11	13	15.7		9.5	11.2	13.2		9.5	10.6	8.5			22.0	
24.0	8.7	10.2	12.2	14.5		9.2	10.7	12.8		9.2	10.2	8.5	6.7	6.3	24.0	
26.0	8	9.5	11.2	13.2		8.5	10	12.2		9	10	8.4	6.5	6	26.0	
28.0	7.5	9	10.4	12.3		8	9.5	11.4		8.5	9.6	8.3	6.3	5.9	28.0	
30.0	7	8.4	9.7	11.4		7.5	9	10.6		8.1	9.4	8.2	6.1	5.7	30.0	
32.0	6.5	8	9	10.6		7	8.5	9.7		7.6	9	8	6	5.5	32.0	
34.0	6.1	7.4	8.3	9.7		6.7	8	9		7.1	8.5	7.7	5.7	5.4	34.0	
36.0	5.7	6.8	7.7	8.9		6.4	7.4	8.3		6.8	7.8	7.2	5.5	5.3	36.0	
38.0	5.4	6.2	7.1	8.2		6	6.8	7.8		6.5	7.2	6.8	5.4	5.2	38.0	
40.0	5	5.7	6.6	7.6		5.6	6.4	7.2		6.1	6.7	6.4	5.3	5.1	40.0	
42.0	4.7	5.3	6.1	6.8		5.3	6	6.8		5.8	6.3	6	5.1	4.9	42.0	
44.0	4.5	4.9	5.6	6		4.9	5.5	6.2		5.4	5.9	5.6	5	4.8	44.0	
46.0	4.2	4.5	5.1	5.6		4.6	5.1	5.6		5	5.4	5.3	4.7	4.5	46.0	
48.0	4.1	4.1	4.7	4.9		4.2	4.7	5.2		4.7	5.1	4.9	4.5	4.3	48.0	
50.0	3.8	3.8	4.4	4.4		3.9	4.4	4.6		4.3	4.8	4.6	4.3	4.1	50.0	
52.0	3.6	3.6	4	3.9		3.6	4.1	4.1		4	4.3	4.3	4.1	3.9	52.0	
54.0	3.5	3.3	3.7	3.4		3.3	3.8	3.7		3.7	3.8	4	3.8	3.6	54.0	
56.0	3.3	3	3.3	3		3.2	3.5	3.2		3.5	3.4	3.9	3.6	3.4	56.0	
58.0	3.1	2.7	3.1	2.5		2.9	3.3	2.8		3.2	3.1	3.4	3.3	3.1	58.0	
60.0						2.7	3	2.4		3	2.8	3	3	2.9	60.0	
62.0						2.5	2.7	2		2.7	2.4	2.7	2.8	2.7	62.0	
64.0										2.5	2	2.5	2.6	2.5	64.0	
66.0										2.3	1.7	2.3	2.3	2.2	66.0	
68.0										2	1.4	1.9	2	1.9	68.0	
70.0										1.7	1.1	1.6	1.8	1.7	70.0	
72.0												1.3	1.6	1.4	72.0	
74.0												1	1.2	1.1	74.0	
N _{max}	3					3					2				N _{max}	
Hook	25t														Hook	
Telescopg innode	I	1	1	2	3		1	2	3		2	3	3	3	4	I
	II	2	3	3	3		3	3	3		3	3	3	3	4	II
	III	3	3	3	3		3	3	3		3	3	3	4	4	III
	IV	3	3	3	3		3	3	3		3	3	3	4	4	IV
	V	3	3	3	2		3	3	3		3	3	3	4	4	V
	VI	3	3	2	2		3	3	2		3	3	3	4	4	VI
	VII	3	2	2	2		3	2	2		3	2	3	4	4	VII

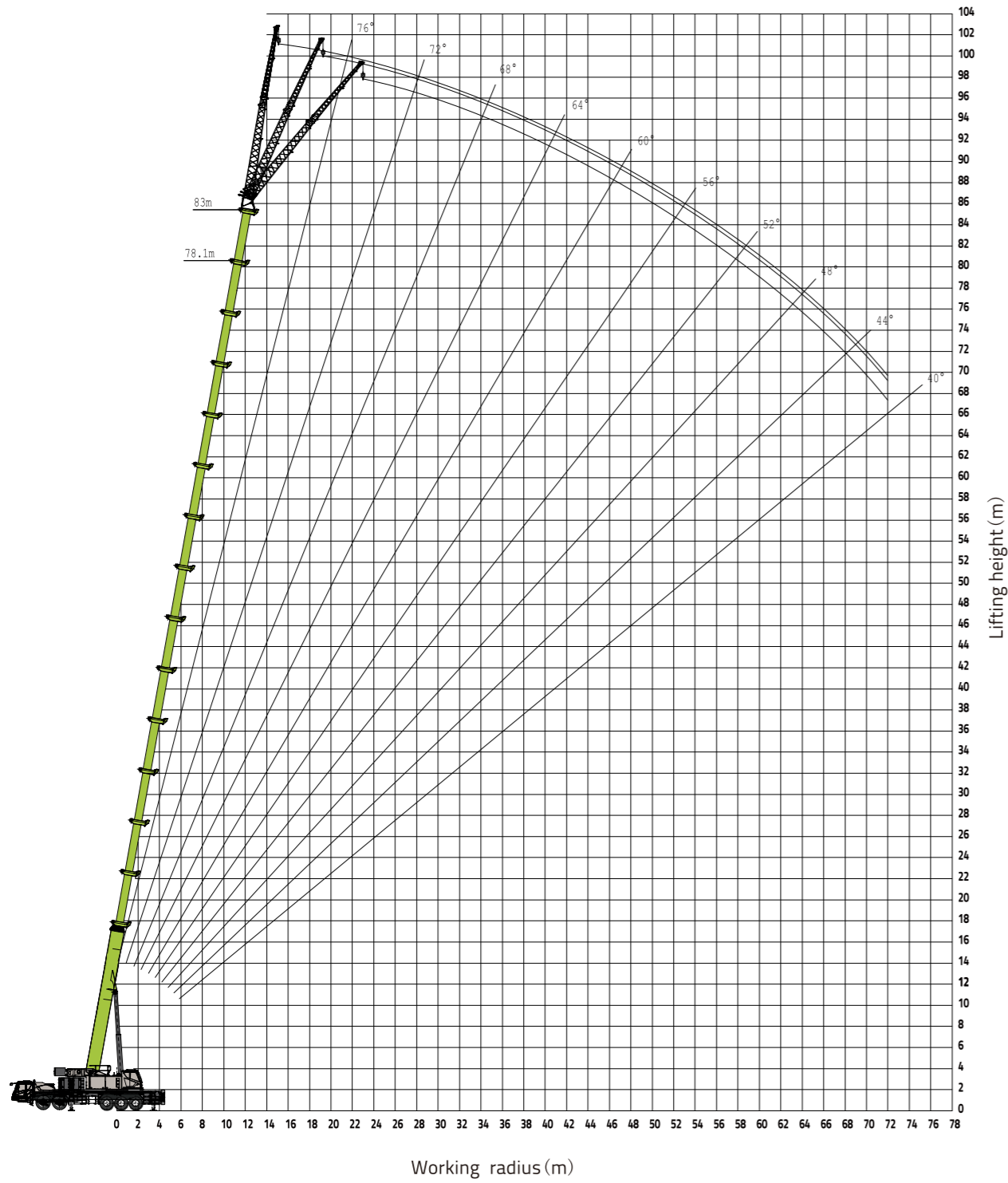
Lifting Height Chart

Main boom + 10.4m jib OM



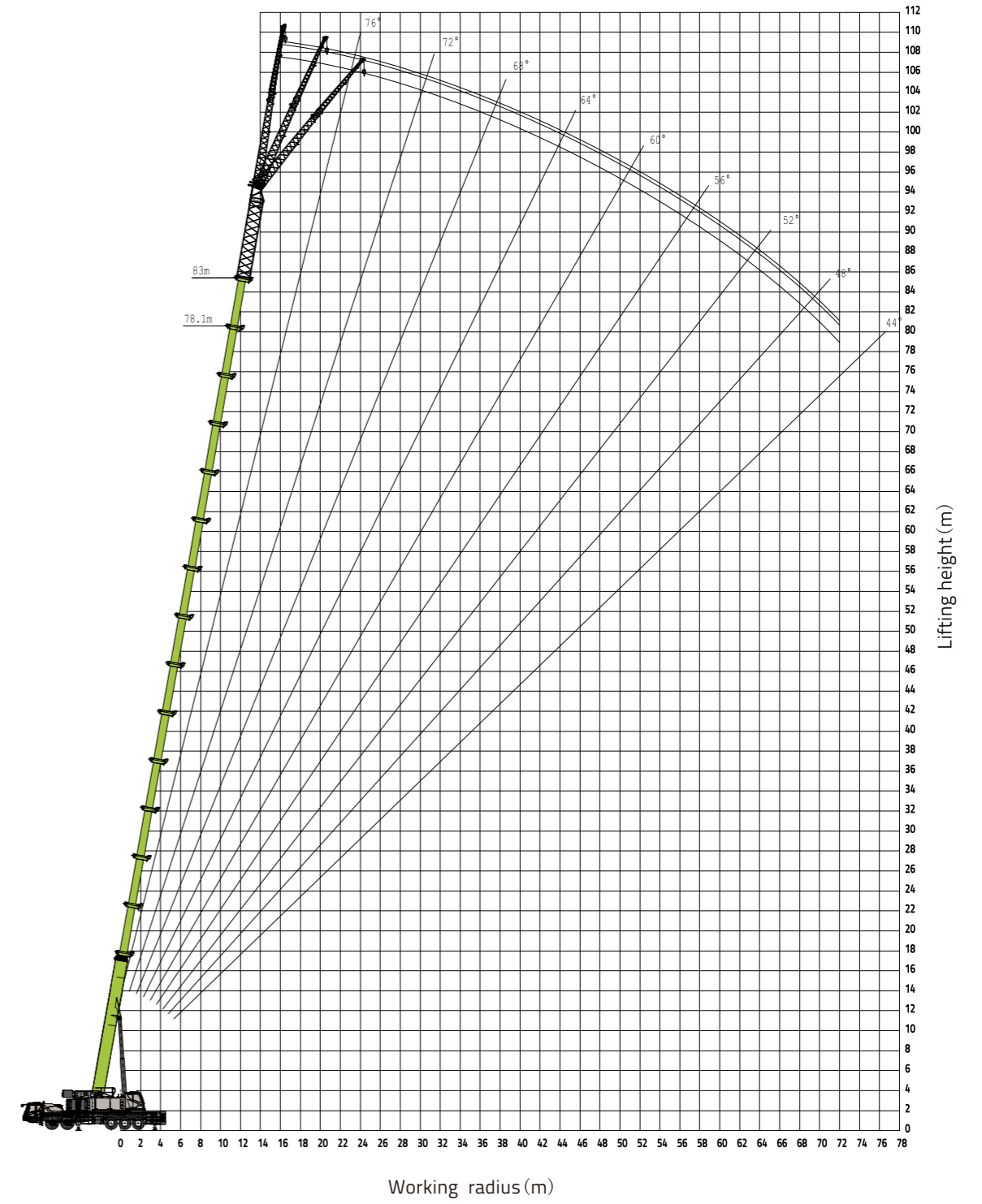
Lifting Height Chart

Main boom + 17.5 m jib OM



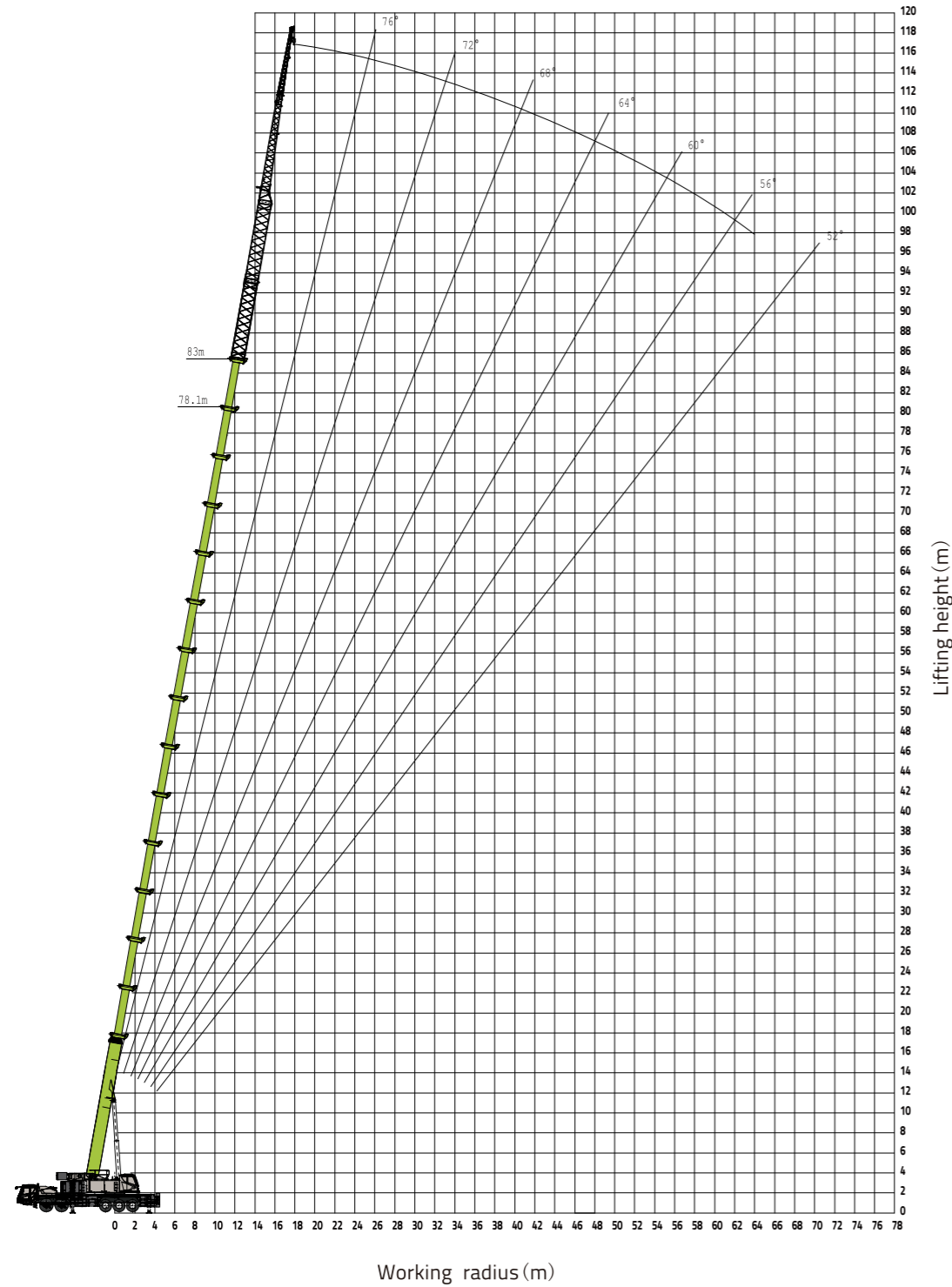
Lifting Height Chart

Main boom + 25.5 m jib OM



Lifting Height Chart

Main boom + 33.5 m jib OM



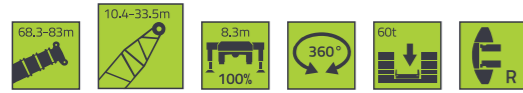
Lifting Capacity Chart



Unit: ton

Lifting height (m)	68.3			73.2			78.1			83			Lifting height (m)
	10.4			10.4			10.4			10.4			
	0°	15°	30°	6.5	15°	30°	0°	15°	30°	0°	15°	30°	
20.0	6.8			6.5									20.0
22.0	6.7	5.8		6.4	5.5		5.5						22.0
24.0	6.6	5.7	5.3	6.3	5.4	5	5.5	5		4.5			24.0
26.0	6.5	5.6	5	6.3	5.3	4.8	5.5	5	4.5	4.5	4.2		26.0
28.0	6.4	5.5	4.8	6.2	5.2	4.6	5.2	4.9	4.5	4.4	4.2	3.8	28.0
30.0	6.3	5.3	4.7	6.1	5.1	4.5	4.9	4.6	4.4	4.2	4.1	3.8	30.0
32.0	6.2	5.2	4.5	6	5	4.3	4.6	4.3	4.1	4	3.9	3.6	32.0
34.0	6.1	5.1	4.4	5.9	4.9	4.2	4.3	4.1	3.9	3.8	3.7	3.5	34.0
36.0	6	5	4.2	5.7	4.8	4	4	3.8	3.6	3.6	3.5	3.3	36.0
38.0	5.8	4.8	4	5.5	4.7	3.8	3.8	3.6	3.4	3.4	3.3	3.1	38.0
40.0	5.5	4.7	3.8	5.2	4.6	3.6	3.6	3.4	3.2	3.2	3.1	3	40.0
42.0	5	4.6	3.7	4.7	4.5	3.5	3.4	3.2	3	3	2.9	2.8	42.0
44.0	4.6	4.4	3.6	4.4	4.3	3.4	3.2	3	2.8	2.8	2.7	2.6	44.0
46.0	4.1	3.9	3.5	3.9	3.8	3.3	3	2.9	2.7	2.6	2.5	2.5	46.0
48.0	3.7	3.6	3.4	3.5	3.5	3.2	2.8	2.7	2.5	2.4	2.4	2.3	48.0
50.0	3.2	3.1	3.2	3	3	3	2.6	2.5	2.3	2.3	2.2	2.2	50.0
52.0	3	2.9	3	2.8	2.8	2.8	2.5	2.4	2.2	2.2	2.1	2.1	52.0
54.0	2.7	2.7	2.8	2.6	2.6	2.6	2.3	2.2	2	2	2	1.9	54.0
56.0	2.5	2.5	2.6	2.4	2.4	2.4	2.2	2.1	1.9	1.9	1.9	1.8	56.0
58.0	2.3	2.3	2.8	2.3	2.3	2.2	2.1	2	1.8	1.8	1.8	1.7	58.0
60.0	2	2	2.1	2.1	2.1	2.1	1.8	1.8	1.7	1.7	1.6	1.6	60.0
62.0	1.8	1.8	1.9	1.9	1.9	1.9	1.5	1.5	1.5	1.5	1.5	1.5	62.0
64.0	1.4	1.4	1.5	1.5	1.5	1.5	1.2	1.2	1.2	1.3	1.3	1.3	64.0
66.0	1.2	1.2	1.3	1.3	1.3	1.3	1.1	1.1	1.1	1.2	1.2	1.2	66.0
68.0				1	1	1	1	1	1	1.1	1.1	1.1	68.0
70.0										1	1	1	70.0
72.0													72.0
74.0													74.0
Nmax		1			1			1			1		Nmax
Hook								8t					Hook
Telescopic Innode	I	3			3			3			3		Telescopic Innode
	II	3			3			3			3		
	III	3			3			3			3		
	IV	3			3			3			3		
	V	2			3			3			3		
	VI	2			2			3			3		
	VII	2			2			2			3		

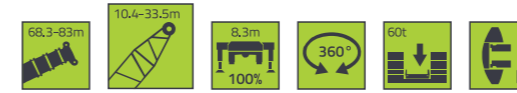
Lifting Capacity Chart



Unit: ton

Height (m)	68.3			73.2			78.1			83			Height (m)
	25.5			25.5			25.5			25.5			
	0°	15°	30°	6.5	15°	30°	0°	15°	30°	0°	15°	30°	
20.0	6.8			6.5									20.0
22.0	6.7	5.8		6.4	5.5		5.5						22.0
24.0	6.6	5.7	5.3	6.3	5.4	5	5.5	5		4.5			24.0
26.0	6.5	5.6	5	6.3	5.3	4.8	5.5	5	4.5	4.5	4.2		26.0
28.0	6.4	5.5	4.8	6.2	5.2	4.6	5.2	4.9	4.5	4.4	4.2	3.8	28.0
30.0	6.3	5.3	4.7	6.1	5.1	4.5	4.9	4.6	4.4	4.2	4.1	3.8	30.0
32.0	6.2	5.2	4.5	6	5	4.3	4.6	4.3	4.1	4	3.9	3.6	32.0
34.0	6.1	5.1	4.4	5.9	4.9	4.2	4.3	4.1	3.9	3.8	3.7	3.5	34.0
36.0	6	5	4.2	5.7	4.8	4	4	3.8	3.6	3.6	3.5	3.3	36.0
38.0	5.8	4.8	4	5.5	4.7	3.8	3.8	3.6	3.4	3.4	3.3	3.1	38.0
40.0	5.5	4.7	3.8	5.2	4.6	3.6	3.6	3.4	3.2	3.2	3.1	3	40.0
42.0	5	4.6	3.7	4.7	4.5	3.5	3.4	3.2	3	3	2.9	2.8	42.0
44.0	4.6	4.4	3.6	4.4	4.3	3.4	3.2	3	2.8	2.8	2.7	2.6	44.0
46.0	4.1	3.9	3.5	3.9	3.8	3.3	3	2.9	2.7	2.6	2.5	2.5	46.0
48.0	3.7	3.6	3.4	3.5	3.5	3.2	2.8	2.7	2.5	2.4	2.4	2.3	48.0
50.0	3.2	3.1	3.2	3	3	3	2.6	2.5	2.3	2.3	2.2	2.2	50.0
52.0	3	2.9	3	2.8	2.8	2.8	2.5	2.4	2.2	2.2	2.1	2.1	52.0
54.0	2.7	2.7	2.8	2.6	2.6	2.6	2.3	2.2	2	2	2	1.9	54.0
56.0	2.5	2.5	2.6	2.4	2.4	2.4	2.2	2.1	1.9	1.9	1.9	1.8	56.0
58.0	2.3	2.3	2.8	2.3	2.3	2.2	2.1	2	1.8	1.8	1.8	1.7	58.0
60.0	2	2	2.1	2.1	2.1	2.1	1.8	1.8	1.7	1.7	1.6	1.6	60.0
62.0	1.8	1.8	1.9	1.9	1.9	1.9	1.5	1.5	1.5	1.5	1.5	1.5	62.0
64.0	1.4	1.4	1.5	1.5	1.5	1.5	1.2	1.2	1.2	1.3	1.3	1.3	64.0
66.0	1.2	1.2	1.3	1.3	1.3	1.3	1.1	1.1	1.1	1.2	1.2	1.2	66.0
68.0				1	1	1	1	1	1	1.1	1.1	1.1	68.0
70.0										1	1	1	70.0
72.0													72.0
74.0													74.0
Nmax	1			1			1			1			Nmax
Hook	8t												Hook
Telescopic Innode	I	3		3			3			3			Telescopic Innode
	II	3		3			3			3			
	III	3		3			3			3			
	IV	3		3			3			3			
	V	2		3			3			3			
	VI	2		2			3			3			
	VII	2		2			2			3			

Lifting Capacity Chart



Unit: ton

Height (m)	68.3			73.2			78.1			83			Height (m)
	33.5			33.5			33.5			33.5			
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	
20.0													20.0
22.0													22.0
24.0													24.0
26.0													26.0
28.0													28.0
30.0	1.8			1.7			1.6						30.0
32.0	1.8			1.7			1.6			1.3			32.0
34.0	1.8			1.7			1.6			1.3			34.0
36.0	1.7			1.6			1.5			1.3			36.0
38.0	1.7			1.6			1.5			1.2			38.0
40.0	1.7			1.6			1.5			1.2			40.0
42.0	1.6			1.5			1.4			1.2			42.0
44.0	1.6			1.5			1.4			1.2			44.0
46.0	1.6			1.5			1.4			1.1			46.0
48.0	1.5			1.4			1.3			1.1			48.0
50.0	1.5			1.4			1.3			1.1			50.0
52.0	1.5			1.4			1.3			1.1			52.0
54.0	1.5			1.4			1.3			1.1			54.0
56.0	1.4			1.3			1.2			1.1			56.0
58.0	1.4			1.3			1.2			1			58.0
60.0	1.3			1.2			1.1			1			60.0
62.0	1.2			1.1			1			1			62.0
64.0	1.1			1			0.9			0.9			64.0
66.0													66.0
68.0													68.0
70.0													70.0
72.0													72.0
74.0													74.0
Nmax	1			1			1			1			Nmax
Hook	8t												Hook
Telescopic Innode	I	3		3			3			3			Telescopic Innode
	II	3		3			3			3			
	III	3		3			3			3			
	IV	3		3			3			3			
	V	2		2			3			3			
	VI	2		2			3			3			
	VII	2		2			2			3			