ZOOMLION

ZTC1500E843

TRUCK CRANE

4.0
PRODUCTS


ZTC1500E
总质量:54900kg

CONTENTS

ZTC1500E843

Hook

						● Standard ○ Optional
Specification	**Weight (t)**	**Transport dimensions (mm)**	**Fall**	**Single hook**	**Double hook**	**Configuration**
110t	1.28	1835×805×650	14	-	Double	○
90t	1.05	1665×650×755	14	-	Double	○
70t	0.92	1580×650×700	10	-	Double	○
70t	0.9	1675×650×580	10	Single	-	○
60t	0.75	460×650×1580	8	-	Double	●
25t	0.58	1410×650×390	3	Single	-	○
8t	0.38	ϕ405×845	1	Single	-	●

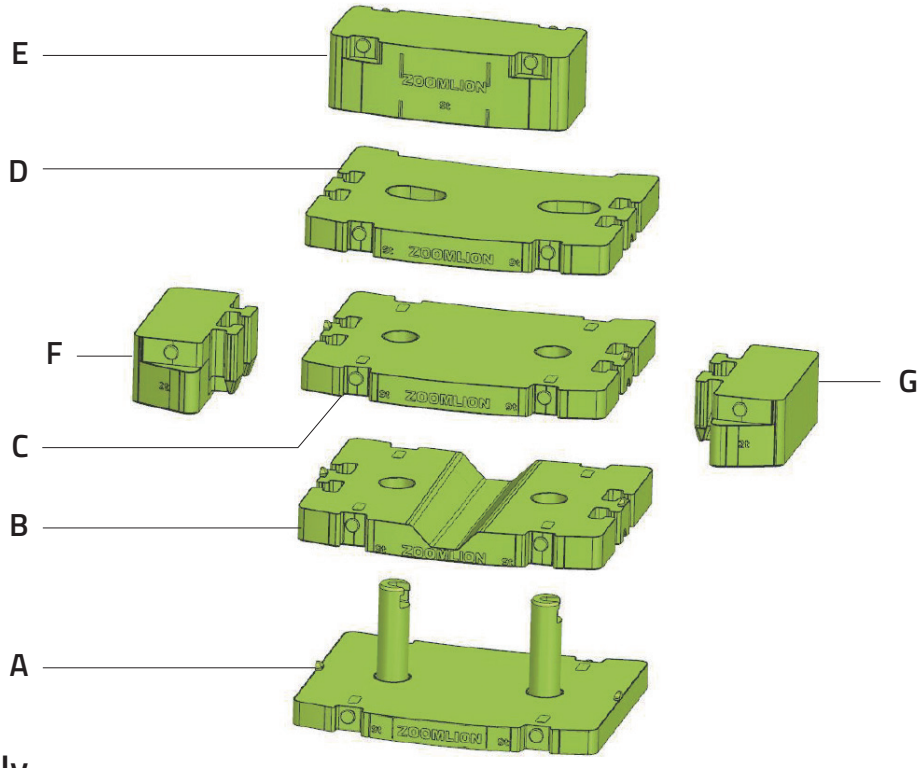
Wire rope

	φ Diameter(mm)	Length(m)	F Max. pulling force of single rope (t)
① **Main hoist rope**	ϕ20	340	9
② **Auxiliary hoist rope**	ϕ20	220	9

Table of options

No.	Description	Remarks
1	Outrigger Pad	Overall dimensions: 1550mm*1550mm*120mm, 4 pieces
2	Extension	Including 2 pieces of 8m extensions
3	Hook	**110t** (ramshorn hook), **90t** (ramshorn hook), **70t** (ramshorn hook), **70t** (single hook), **25t** (single hook)

Counterweight



Transported individually

	Name	Weight (t)	Transport dimensions (mm)	Quantity (piece)
A	Lower counterweight	9	3100x2450x2100	1
B	Intermediate counterweight	9	3100x2450x500	1
C	Intermediate counterweight	9	3100x2450x500	1
D	Upper counterweight	9	3100x2450x400	1
E	Fixed counterweight	9	1200x2400x840	1
F	Side counterweight	2	1950x950x670	1
G	Side counterweight	2	1950x950x670	1

Counterweight combinations

Unit: piece

Combinations	A	B	C	D	E	F	G
0t	0	0	0	0	0	0	0
9t	0	0	0	0	1	0	0
18t	1	0	0	0	1	0	0
27t	1	1	0	0	1	0	0
36t	1	1	1	0	1	0	0
40t	1	1	1	1	1	0	0
45t	1	1	1	1	0	1	1
49t	1	1	1	1	1	1	1

SPECIFICATIONS

Crane Superstructure

Main boom

▪8-section telescopic boom made of 960MPa high-tensile steel.
▪Optimal oviform boom profile of particular tensional rigidity, outstanding local stability and for the super lifting capacities.
▪Main boom length: 13.9 m - 85 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.)
▪The jib cannot be attached with the vehicle during driving. During short-distance travelling, the jib is folded 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.
▪Imported high-performance rotation-resistant ropes can be used without swivel under 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 – 1.5 rpm.

Slewing table

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

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.

Counterweight

▪49t total counterweight among which 45t main body counterweights (5 pieces), 2t side counterweights (2 pieces)
▪Counterweight combinations include 0t, 9t, 18t, 27t, 36t, 40t, 45t and 49t.

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 ones are available for options.

Hood

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

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, the operator's cab tilting angle adjustment function which has good starting and braking stability as well as the higher system reliability.

Monitoring system

▪Via the bus technology, the operator can monitor the outrigger pressure, the titling angle of the chassis frame at real time in the cabs. And thus, prevent the danger from occurring.
▪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: WP12.460E60.
▪Type: 6-cylinder in line, water-cooled diesel with 4 stroke cycles, turbo-charged, intercooled.
▪Displacement: 11.596 L .
▪Rated maximum power / RPM: 333 kW at 1900 r/min .
▪Max. output torque / RPM: 2200 N.m at 1000 -1400r/min
▪Capacity of diesel oil tank: 500 L.

Transmission

▪Fast 12-gear 12JSDX220TA +QH100 manual transmission.
▪12 forward and 1 reverse speeds, with the power take-off port.
▪Mechanical and manual transmission.

Axles

▪Homemade 12 t + 12 t + 13 t + 13 t + 10 t axles special for Zoomlion truck crane.
▪Drive steer type: 10×6×6.
▪Axles 1 and 2 are steer and driven ones.
▪Axles 3 and 4 are through and drive ones. They are equipped with the longitudinal differential and the transversal differential as well as the differential lock.
▪Axle 5 is steer and drive one. It is equipped with the transversal differential and the differential lock.
▪All of axles adopt the drum brakes.

Outrigger

▪H type two sectional outrigger, box-shaped section, made of high-tensile steel (δs=960MPa) .

Tires

▪Axles 1 and 2
Tire size: 385/95R25 radial tires, tubeless tire, single tire,
Tire pressure: 1.0 MPa .
▪Axles 3 and 4
Tire size: 325/95R24 radial tires, tubeless tire, double tire,
Tire pressure: 1.0 MPa .
▪Axle 5
Standard configuration:
Tire size: 325/95R24 radial tires, tubeless tire, single tire,
Tire pressure: 1.0 MPa .
Optional configuration:
Tire size: 415/80R22 radial tires, tubeless tire, single tire,
Tire pressure: 0.93 MPa.

Steering system

▪3 axles are mechanical and steer ones.
▪Axles 1 and 2 adopt double-cylinder booster and axle 5 adopt single-cylinder booster.
▪Double-channel integrated power steering gear with a limit unloading gear.

Suspension

▪Axles 1 and 2 adopt the longitudinally installed leaf spring suspension.
▪Axles 3 and 4 adopt the leaf spring + the balance beam + the thrust rod bogie axle balance suspension.
▪Axle 5 adopts the guide arm type pneumatic suspension. This type of suspension has a variation rigidity characteristic: obtain different load characteristics and rationally distribute axle loads among each alxe by setting different air pressure values.

Brake system

▪It consists of service brake, parking brake (emergency brake) and auxiliary brake.
▪Service brake: dual-circuit air brake system, acting on all of wheels of all of axles.
▪Parking brake (Emergency brake): spring-loaded brake, acting on axles 2-5.
▪Auxiliary brake: engine cylinder compression brake.
▪It is a dual-circuit brake system. The brake of each axle adopts the drum brake. Each drum brake of axle 1 is equipped with two single diaphragm brake chambers. Each drum brake of axle 2 is equipped with two dual chamber diaphragm spring brake chambers. Each drum brake of axles 3,4 and 5 is equipped with one dual chamber diaphragm spring brake chamber.
▪The brake system is with ABS.

Electrical system

▪CAN data bus technology.
▪The instrument console in the driver's cab adopts the combination instrument which is convenient to check and distinguish the faults.
▪Generator: 28 V, 80 A.
▪Two groups of batteries are series connected. And the rated voltage of each battery is 12 V.

Driver's cab

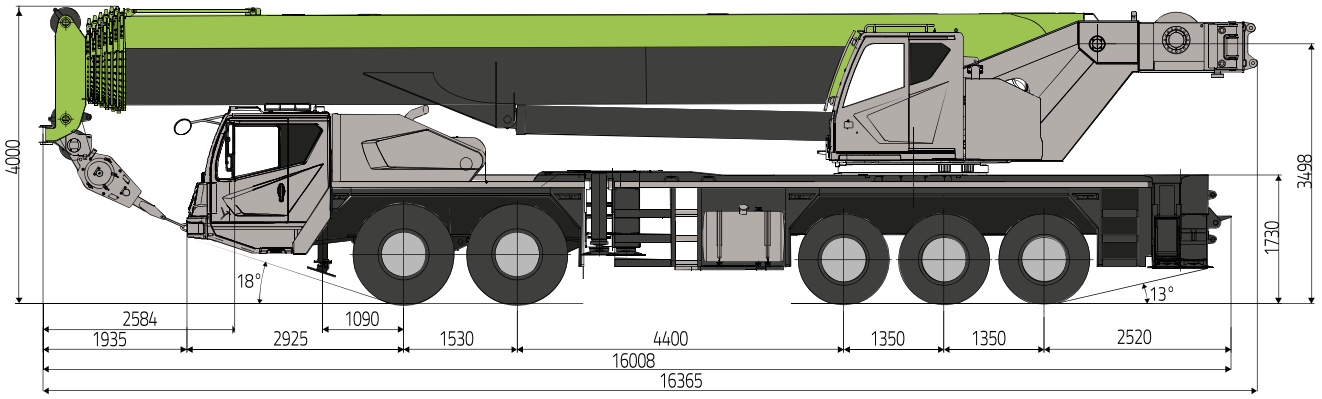
▪The low-mounted, full-width and all-metal welded spacious driver's cab is with flexible lining.
▪The control elements and displays are arranged according to ergonometric factors, thus for safe and convenient handling at permanent operation.
▪In addition, it can support you a comfortable riding experience and a broad field of vision.
▪Besides, it is equipped with adjustable steering wheel, windshield washing device, electrically operated window, large combined multi-angle retroreflector, adjustable vibration-absorptive seats with high backrest and armrest.
▪These equipments such as all kinds of electronic instruments, indicators, control switches, the cigarette lighter, USB interface, MP3 media player, adjustable cab heater defrost device and single-cooled air conditioning are arranged on the control console.

TECHNICAL DATA

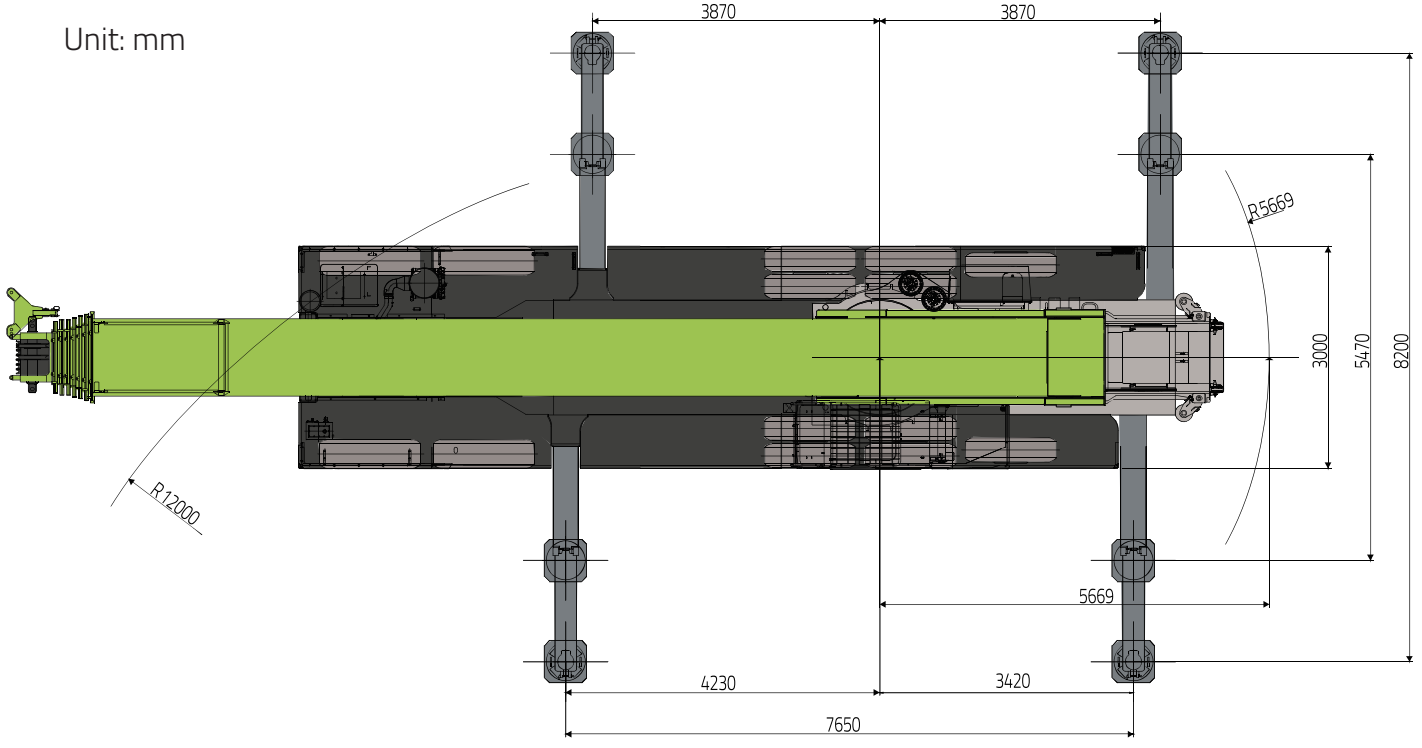
	Item	Unit	Value	Remarks
Working performance	Max. rated lifting capacity	t	150	
	Max. load moment of basic boom	t.m	483	
	Max. load moment of main boom (fully extended)	t.m	176.4	
	Max. lifting height of basic boom	m	14	
	Max. lifting height of main boom	m	85	These parameters do not include deflection of boom and jib.
	Max. lifting height of jib	m	116.5	
Working 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	%	45	
	Min. turning diameter	m	≤24	
	Min. ground clearance	mm	330	
	Limits for exhaust pollutants and smoke		India IV	
	Front overhang angle	°	18	
	Rear overhang angle	°	13	
Mass	Deadweight in driving condition	kg	54900	
	Complete vehicle kerb mass	kg	54705	
	Single axle load	kg	12000/12000/10450/10450/10000	
Dimensions	Overall dimensions (L×W×H)	mm	16400×3000×4000	
	Outrigger spread (W)	m	Completely extended: 8.2 m intermediate extended: 5.47 m	
	Outrigger spread (L)	m	7.65	
	Slewing radius of counterweight tail	mm	5670	
	Main boom length	mm	13.9~85	
	Boom angle	°	-0.5~80	
	Fix jib length	m	10.4, 17.5	Optional:25.5m,33.5m

DIMENSIONS

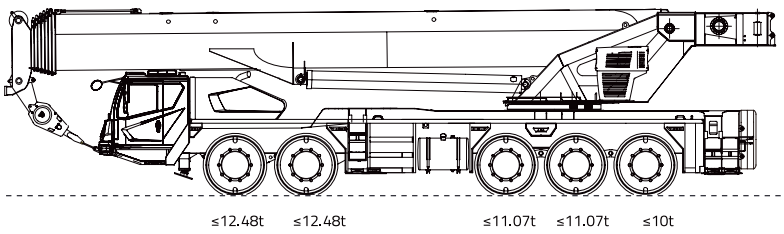
Unit: mm



Unit: mm

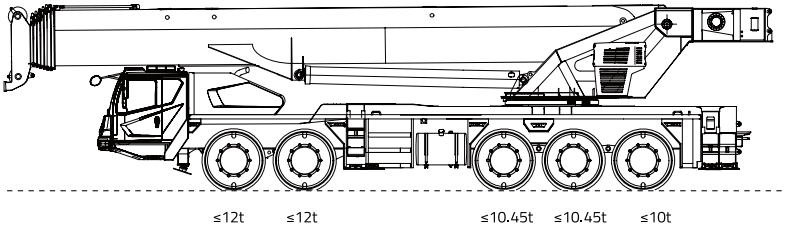


ON-ROAD / JOBSITE DRIVING



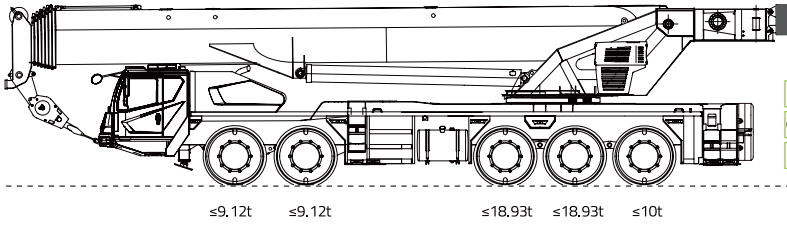
Road travel mode:
[60t hook]
For short distance off-road transit.

Total mass **57.1t**



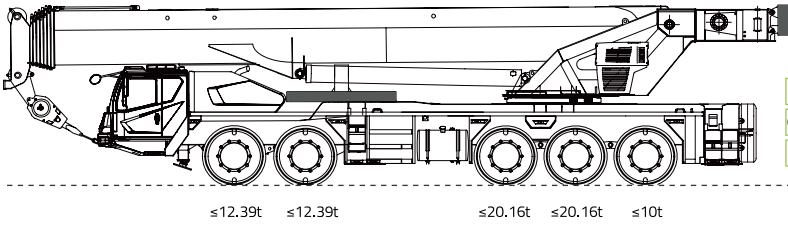
Road travel mode:
~~[hook]~~ / ~~[main hoist rope]~~
~~[left front sliding beam]~~ / ~~[spare tire]~~
For long distance travel.

Total mass **55 t**



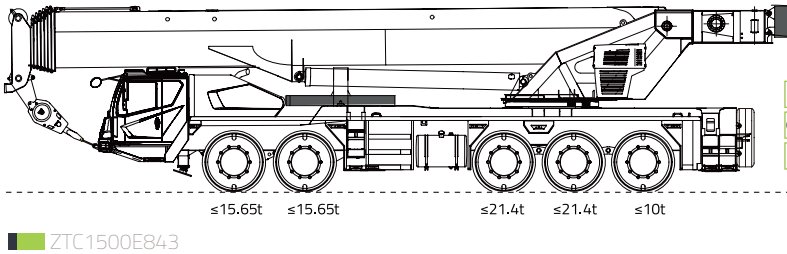
Off-road transit mode:
[60t hook] / [9t fixing counterweight]
For short distance travelling.

Total mass **66.1t**



Off-road transit mode:
[60t hook] / [9t fixing counterweight] / [9t lower counterweight]
For short distance travelling.

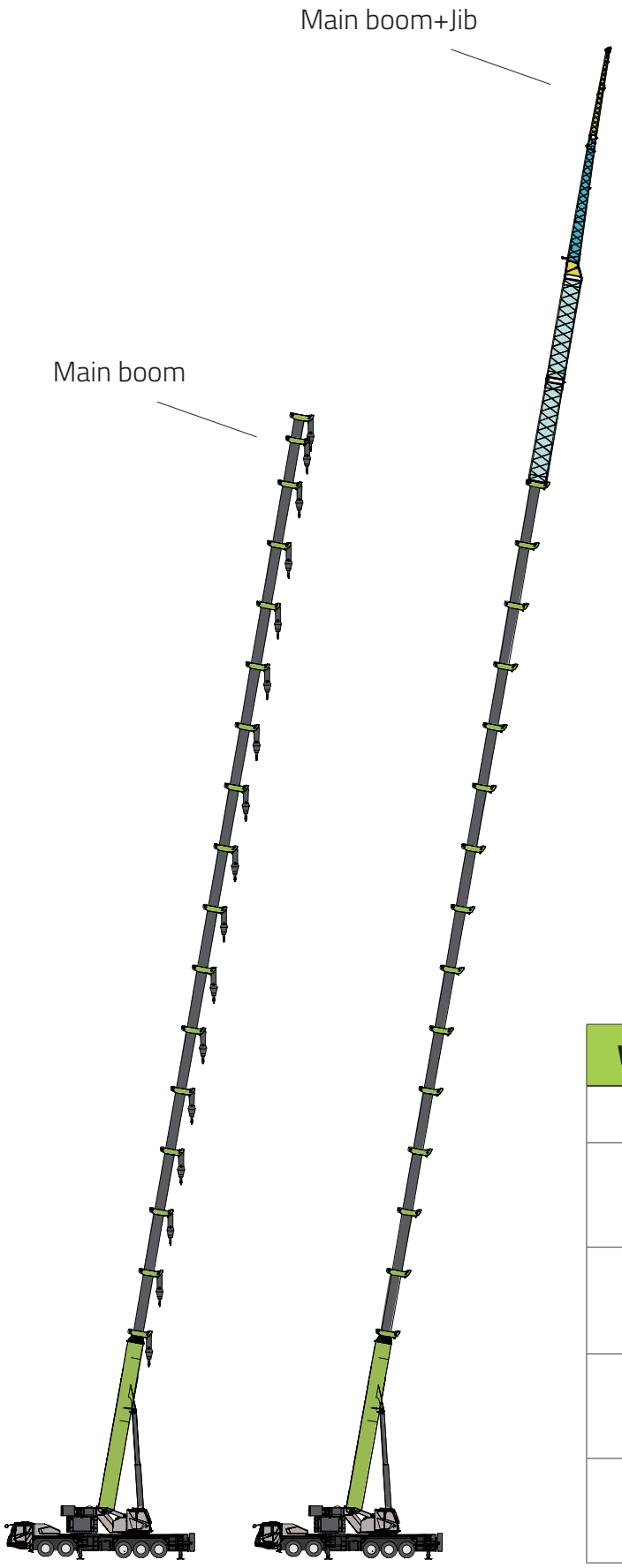
Total mass **75.1t**



Off-road transit mode (84.1t):
[60t hook] / [9t fixing counterweight] / [18t lower counterweight]
For short distance travelling.

Total mass **84.1t**

BOOM/JIB COMBINATION



Working Condition	Boom/Jib Length
Boom	13.9-85m
Boom + 10.4m jib	Boom 75m + 10.4 m jib
	Boom 79.7m + 10.4 m jib
Boom + 17.5m jib	Boom 75m + 17.5m jib
	Boom 79.7m + 17.5m jib
Boom +25.5m jib	Boom 75m + 25.5m jib
	Boom 79.7m + 25.5m jib
Boom + 33.5m jib	Boom 75m + 33.5m jib
	Boom 79.7m + 33.5m jib

LIFTING HEIGHTS/CAPACITIES

This crane has rated load charts for various different operating conditions, and the operator should choose the corresponding rated load chart according to the actual working conditions to determine the rated lifting capacity.

a) The lifting capacity marked with (*) is nominal lifting capacity. When the lifting weight exceeds 100t, the hook block and boom pulley need to be modified. If necessary, please contact the manufacturer in advance;

b) The condition marked with colour ■ is the optimal flex combination;

c) Under any circumstances, overloading is strictly prohibited, especially in small counterweight conditions;

d) It is strictly forbidden to work beyond wind speed, especially in conditions with long jib and large amplitude;

e) Sunlight can cause thermal expansion and contraction of boom material, which affects the straightness of the boom to a certain extent, especially when it is irradiated from side direction;

f) Explanation of lift capacity load rating chart:

Main Boom OM

Jib OM

Weight of counterweight

Working radius

Outriggers completely extended

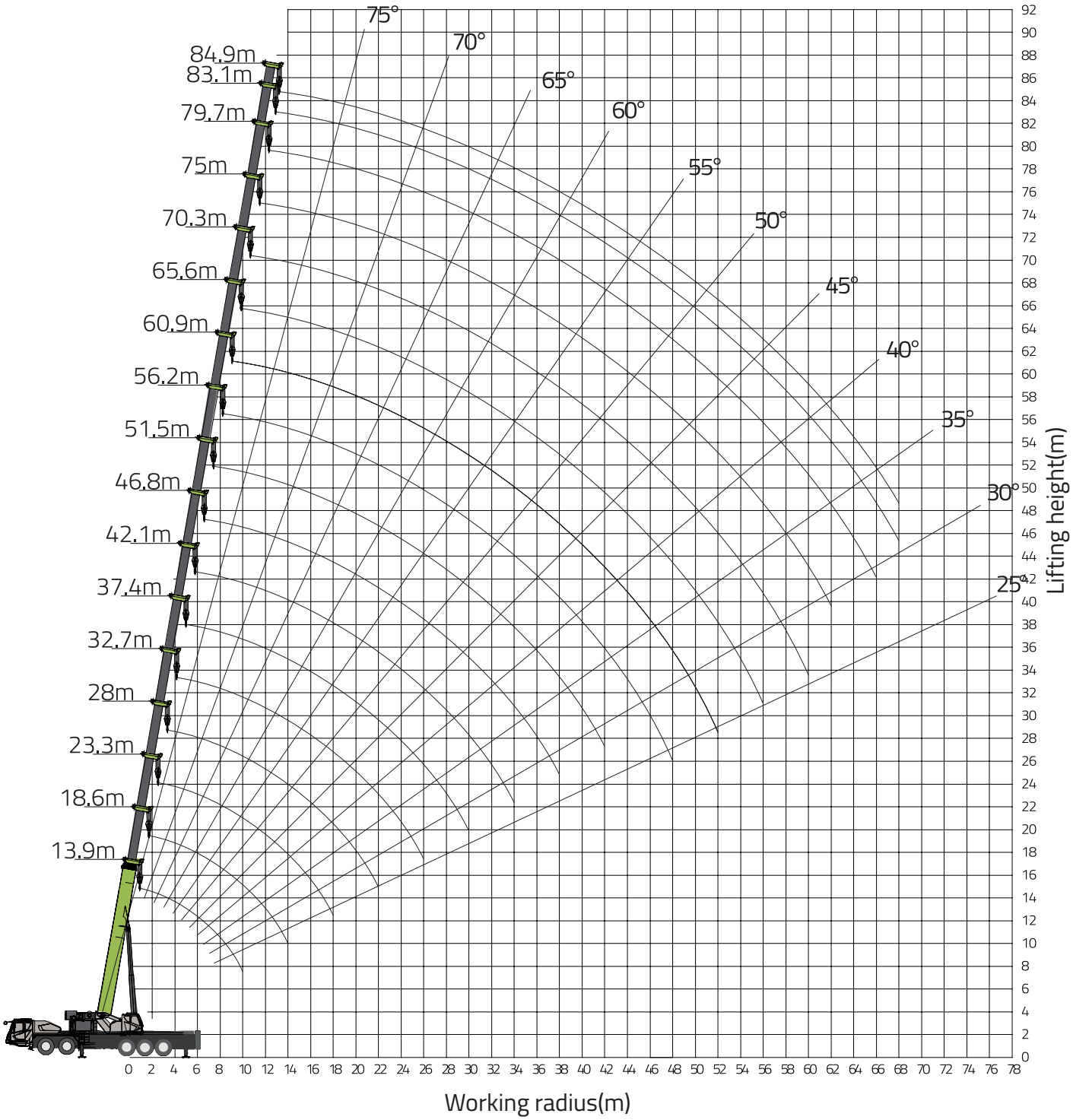
Outriggers intermediately extended

Over full range

Counterweight rear position

LIFTING HEIGHT CHART

Main boom OM: 13.9m-85m



RATED CAPACITY CHART

Main boom

13.9-85m 8.2m 49t

Unit: ton

m	Boom length (m)													
	13.9	18.6	18.6	18.6	18.6	18.6	18.6	23.3	23.3	23.3	23.3	23.3	23.3	23.3
3	150*	48.5	55	72	75	92	95							
3.5	105	46	55	70	75	92	93	22	46	51	70	75	90	90
4	100	43.5	55	68	75	88	88	21	44	48	68	72	84	85
4.5	95	41.7	55	65	75	86	86	20	42	46	66	70	79	80
5	89	39.5	55	61	75	80	80	19	40	44	63	67	73	73
6	78	36.5	49	58	73	74	74	18	36	39	56	60	65	66
7	69	33.5	44.5	52	66	67	67	16.8	32.5	36	51	55	62	63
8	58	31.5	40.5	47.3	58	59	59	15.3	30	32.5	46	50	57	58
9	51	29.5	37.5	43.3	52	52	52	14.2	27.5	30	42	46	51	51
10	45	27.5	34	39.8	45.5	45	44.5	13.2	25.5	27.5	39	42	47	46.5
12		24.5	30	34.3	38	37	36.5	11.5	22.5	23.5	34	37	38	37.5
14		22.5	26.5	30.2	31	30.5	30	10	19.6	21	30	32	31.5	31
16								9	17.5	18.5	26.5	27.5	26.5	26
18								8.2	15.8	16.8	24	23	22.5	22.1
20														
22														
24														
26														
28														
30														
32														
34														
Reeving	12	12						11						
Hook	110t													
Telescoping mode I	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Telescoping mode II	1	1	1	1	1	1	2	1	1	1	1	1	2	2
Telescoping mode III	1	1	1	1	1	2	1	1	1	1	1	2	2	1
Telescoping mode IV	1	1	1	1	2	1	1	1	1	1	2	2	1	1
Telescoping mode V	1	1	1	2	1	1	1	1	1	2	2	1	1	1
Telescoping mode VI	1	1	2	1	1	1	1	1	2	2	1	1	1	1
Telescoping mode VII	1	2	1	1	1	1	1	3	2	1	1	1	1	1

RATED CAPACITY CHART

Main boom

13.9-85m 8.2m 49t

Unit: ton

m	Boom length (m)													
	28	28	28	28	28	28	28	32.7	32.7	32.7	32.7	32.7	32.7	32.7
3														
3.5														
4	23	21	42	52	67	76	76							
4.5	22	20.5	40	51	62	73	76							
5	21	18.5	37	49	58	72	73	15	19	16	40	51	63	65
6	20	16.6	34	44.5	52	65	66	13.5	18	15	36.5	47	60	65
7	18	15	31	40	47	60	61	12.5	16.5	13.8	33.5	43	54	60
8	16.5	13.5	28	37	43	56	57	11.3	15	12.5	30	39	49	58
9	15.6	12.5	25.6	34	39.5	51	51	10.4	14	11.5	28	35.5	45	51
10	14.6	11.5	23.8	32	36.5	47.6	47.6	9.6	12.8	10.5	26.5	33	42	47
12	13.2	9.8	20.5	28	31.5	38.3	38.3	8.3	11	8.7	23	28.2	36.5	38
14	12	8.6	18	24.5	27.5	32	31.6	7.1	9.8	7.7	20	25	32	31.5
16	11	7.5	16	22	24	27	26.6	6.3	8.6	6.7	18	22	27.5	26.5
18	9.8	6.8	14.3	20	21.8	23	22.3	5.7	7.8	5.9	16.5	19.8	23.5	22.5
20	8.9	6.1	13	18.2	20	19.2	18.5	5.2	7	5.3	14.8	18	20.3	18.6
22	8.1	5.5	12	17	18	16.5	15.6	4.7	6.4	4.8	13.6	16.5	17.2	16
24								4.2	6	4.3	12.5	15	14.6	13.5
26								3.9	5.5	4	11.7	13.5	12.8	11.5
28														
30														
32														
34														
Reeving	9							8						
Hook	90t													
Telescoping mode I	1	1	1	1	1	1	2	1	1	1	1	1	1	2
Telescoping mode II	1	1	1	1	1	2	2	1	1	1	1	1	2	2
Telescoping mode III	1	1	1	1	2	2	2	1	1	1	1	2	2	2
Telescoping mode IV	1	1	1	2	2	2	1	1	1	1	2	2	2	2
Telescoping mode V	1	1	2	2	2	1	1	1	2	3	2	2	2	1
Telescoping mode VI	2	3	2	2	1	1	1	3	3	2	2	2	1	1
Telescoping mode VII	3	2	2	1	1	1	1	3	2	2	2	1	1	1

RATED CAPACITY CHART

Main boom

13.9-85m 8.2m 49t

Unit: ton

m	Boom length (m)													
	37.4	37.4	37.4	37.4	37.4	37.4	37.4	42.1	42.1	42.1	42.1	42.1	42.1	42.1
3														
3.5														
4														
4.5														
5														
6														
7	13	12	14.5	18.5	36	48	56							
8	12.5	11	13.5	17	33	44	52	10.5	12	15	19	23	38	46
9	11.5	10	12.5	15.6	31	40	48	9.6	11.2	14	17.4	21	35	45
10	10.6	9.2	11.5	14.5	29	38	46	8.8	10.3	12.8	16	19.5	33	42
12	9.3	7.9	10	12.3	25	33	37	7.5	8.8	11.1	13.8	18	29	38
14	8.2	6.9	8.6	10.6	22	29	31	6.4	7.7	9.7	12	16.6	26	33
16	7.3	6	7.7	9.4	20	26	26	5.6	6.8	8.5	10.6	14.5	23.7	28
18	6.5	5.3	6.8	8.3	18.5	23	22.5	5	6	7.6	9.5	12.8	21.5	24.2
20	5.9	4.6	6.2	7.3	16.7	21	19.5	4.4	5.4	6.7	8.5	11.3	19.6	20.5
22	5.3	4.2	5.6	6.7	15.2	18.5	16.5	3.9	4.9	6	7.8	10	18	17.6
24	4.9	3.8	5.1	6	14	15.5	14.3	3.5	4.4	5.4	7	9	16.5	15.1
26	4.5	3.4	4.6	5.6	13	13.6	12.3	3.2	4	5	6.4	8.2	15	13.2
28	4.2	3.1	4.2	5	12	12	10.5	2.8	3.6	4.4	5.9	7.3	13.3	11.5
30	3.9	2.8	4	4.6	11.2	10.5	9.2	2.6	3.3	4	5.4	6.8	11.7	10
32								2.3	3	3.7	5	6.2	10.5	8.9
34								2.1	2.7	3.4	4.6	5.3	9.2	7.9
36														
38														
Reeving	7							6						
Hook	90t							55t						
Telescoping mode I	1	1	1	1	1	1	2	1	1	1	1	1	1	2
II	1	1	1	1	1	2	2	1	1	1	1	1	2	2
III	1	1	1	1	2	2	2	1	1	1	2	3	2	2
IV	1	1	2	3	2	2	2	1	2	3	3	2	2	2
V	2	3	3	2	2	2	2	3	3	3	2	2	2	2
VI	3	3	2	2	2	2	1	3	3	2	2	2	2	2
VII	3	2	2	2	2	1	1	3	2	2	2	2	2	1

RATED CAPACITY CHART

Main boom

13.9-85m 8.2m 49t

Unit: ton

m	Boom length (m)													
	46.8	46.8	46.8	46.8	46.8	46.8	46.8	51.5	51.5	51.5	51.5	51.5	51.5	51.5
5														
6														
7														
8														
9	10.2	12	14.5	18.5	23.5	35.5	38							
10	9.3	11	14	17.3	21.8	33	35.5	10	11.6	14.2	18.5	23.5	29	30
12	8	9.6	12	15	19	29	31	8.7	10.5	12.6	16.5	20.7	26.5	28.5
14	7.1	8.4	10.6	13.2	16.5	25.5	28	7.6	9	11.3	14.5	18.3	23.5	26
16	6.2	7.5	9.5	11.7	14.6	22.6	26	6.7	8.1	10.2	13	16.5	21	23
18	5.6	6.7	8.5	10.5	13	20	23	6	7.2	9.1	11.9	14.8	18.6	20.8
20	4.9	6	7.7	9.3	11.8	18.5	20.5	5.5	6.6	8.2	10.6	13.5	16.8	18.5
22	4.4	5.5	6.8	8.3	10.6	16.8	18.3	5	6	7.5	9.6	12.3	15.3	16.7
24	4	4.9	6.2	7.5	9.6	15.3	15.6	4.5	5.5	6.8	8.7	11.1	13.9	15.1
26	3.7	4.6	5.6	6.9	8.8	14	13.7	4.1	5	6.3	7.9	10.2	12.6	13.2
28	3.3	4.1	5.1	6.2	8.2	12.7	12.2	3.8	4.7	5.7	7.3	9.4	11.6	11.5
30	3	3.8	4.7	5.7	7.5	11.3	10.7	3.4	4.3	5.3	6.7	8.7	10.5	10
32	2.7	3.4	4.2	5.2	6.8	10	9.5	3.2	4	4.9	6.2	8.1	9.5	9
34	2.6	3.1	4	4.7	6.3	9	8.5	3	3.7	4.5	5.7	7.6	8.4	8
36	2.3	2.8	3.6	4.3	5.9	8.1	7.6	2.7	3.4	4.1	5.3	7	7.3	7
38	2.1	2.6	3.3	4	5.5	7.2	6.7	2.5	3.1	3.7	4.9	6.6	6.5	6.1
40								2.3	2.9	3.4	4.6	6	5.8	5.4
42								2.1	2.6	3.1	4.2	5.6	5.1	4.7
44														
46														
48														
Reeving	5							4						
Hook	55t													
Telescoping mode I	1	1	1	1	1	1	2	1	1	1	1	1	2	3
II	1	1	1	1	2	3	2	1	1	1	2	3	3	2
III	1	1	2	3	3	2	2	1	2	3	3	3	2	2
IV	2	3	3	3	2	2	2	3	3	3	3	2	2	2
V	3	3	3	2	2	2	2	3	3	3	2	2	2	2
VI	3	3	2	2	2	2	2	3	3	2	2	2	2	2
VII	3	2	2	2	2	2	2	3	2	2	2	2	2	2

RATED CAPACITY CHART

Main boom

13.9-85m 8.2m 49t

Unit: ton

m	Boom length (m)													
	56.2	56.2	56.2	56.2	56.2	56.2				60.9	60.9	60.9	60.9	60.9
8														
9														
10														
12	9.3	10.8	13.5	17.5	23.2	24.5				9.5	11.7	14.6	18.5	19
14	8.1	9.7	12.5	16	20.8	23				8.5	10.5	13.5	17	18.6
16	7.2	8.6	11.3	14.5	18.8	21				7.7	9.5	12.3	15.5	18
18	6.6	7.8	10.2	13	17.1	19				7	8.6	11.2	14	16.5
20	6	7.2	9.3	12	15.6	17				6.4	7.9	10.3	13	15.1
22	5.5	6.6	8.5	11	14.3	15.3				5.5	7.3	9.4	12	13.8
24	5	6	7.8	10	13.2	14				5.3	6.7	8.8	11	12.8
26	4.6	5.6	7.2	9.1	12.2	12.7				4.9	6.2	8.1	10	11.6
28	4.2	5.2	6.7	8.4	11.3	11.5				4.6	5.8	7.4	9.2	10.7
30	3.9	4.8	6.2	7.7	10.5	10				4.3	5.4	6.9	8.5	9.6
32	3.7	4.5	5.7	7.2	9.8	8.8				3.9	5.1	6.4	7.8	8.8
34	3.3	4.1	5.3	6.6	9	7.7				3.7	4.7	6	7.3	7.8
36	3.1	3.8	4.9	6.2	8.1	6.8				3.5	4.4	5.6	6.7	6.8
38	2.9	3.6	4.5	5.7	7.2	6				3.2	4.1	5.2	6.3	6.1
40	2.7	3.3	4.2	5.3	6.4	5.2				3	3.8	4.8	5.8	5.3
42	2.5	3	3.8	5	5.7	4.6				2.8	3.7	4.4	5.3	4.6
44	2.3	2.8	3.5	4.6	5	4				2.6	3.3	4.1	4.6	4
46	2.1	2.5	3.3	4.3	4.4	3.4				2.4	3.1	3.8	4.2	3.5
48	1.9	2.3	2.9	4	3.9	2.9				2.3	2.8	3.5	3.7	3
50										2.1	2.6	3.3	3.2	2.6
52										1.8	2.4	2.9	2.8	2.1
54														
56														
58														
60														
62														
Reeving	4									3				
Hook	55t									25t				
Telescoping mode I	1	1	1	1	2	3				1	1	1	2	3
Telescoping mode II	1	1	2	3	3	3				1	2	3	3	3
Telescoping mode III	2	3	3	3	3	2				3	3	3	3	3
Telescoping mode IV	3	3	3	3	2	2				3	3	3	3	2
Telescoping mode V	3	3	3	2	2	2				3	3	3	2	2
Telescoping mode VI	3	3	2	2	2	2				3	3	2	2	2
Telescoping mode VII	3	2	2	2	2	2				3	2	2	2	2

RATED CAPACITY CHART

Main boom

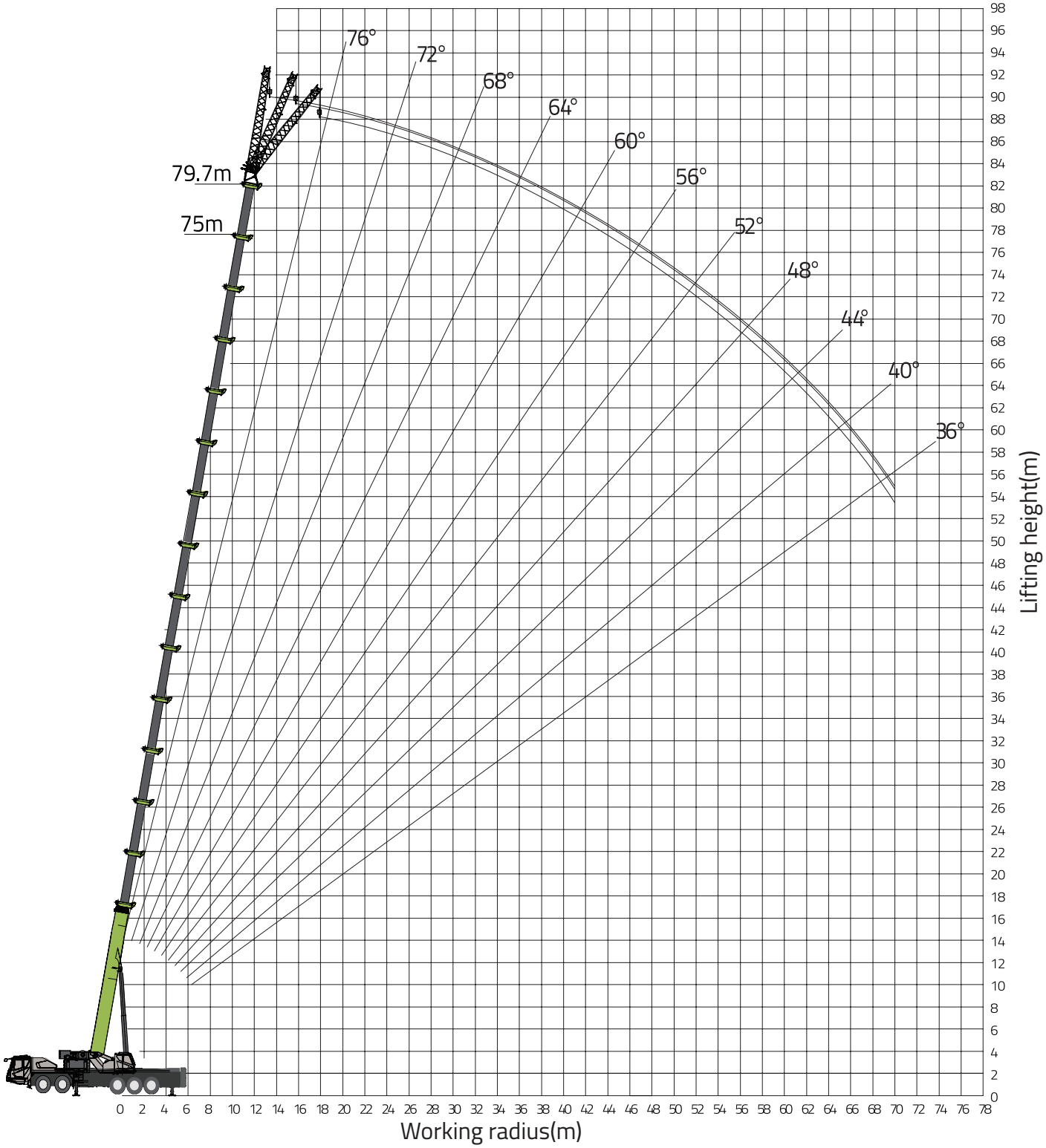
13.9-85m 8.2m 49t

Unit: ton

		Boom length (m)											
		65.6	65.6	65.6	65.6	70.3	70.3	70.3	75	75	79.7	83.1	85
14		9.3	11	14	15								
16		8.4	10.2	13	14.6	9	10.8	12	9	9.5			
18		7.7	9.4	12	14.2	8.2	10	11.7	8.5	9.3	7.2		
20		7.1	8.7	11	13.4	7.6	9.1	11.4	8	9	7.2	6.5	6
22		6.5	8	10	12.2	7.1	8.5	10.7	7.5	8.8	7	6.3	5.8
24		6	7.4	9.5	11.3	6.5	8	10	7	8.5	6.9	6.1	5.6
26		5.5	6.9	8.9	10.5	6.1	7.5	9.5	6.6	8	6.7	6	5.5
28		5.1	6.4	8.2	9.5	5.7	7	8.7	6.2	7.5	6.4	5.8	5.4
30		4.8	6	7.6	8.9	5.3	6.6	8.3	5.8	7.1	6	5.6	5.3
32		4.4	5.6	7	8.2	5	6.2	7.6	5.4	6.8	5.8	5.4	5.2
34		4.1	5.3	6.6	7.5	4.7	5.8	7	5	6.4	5.7	5.2	5
36		3.9	5	6	6.8	4.4	5.5	6.4	4.8	5.9	5.5	4.8	4.8
38		3.7	4.7	5.6	6.2	4.1	5.2	5.9	4.5	5.6	5.2	4.6	4.6
40		3.5	4.4	5.2	5.6	3.9	4.8	5.5	4.2	5.2	4.9	4.4	4.4
42		3.2	4.1	4.8	4.7	3.7	4.5	5	4.1	4.8	4.5	4.2	4.2
44		3	3.8	4.5	4.2	3.5	4.2	4.6	3.7	4.5	4.2	3.9	3.9
46		2.8	3.5	4.2	3.7	3.3	3.9	4	3.5	4.2	4	3.7	3.7
48		2.7	3.3	3.9	3.2	3.1	3.7	3.6	3.3	3.8	3.7	3.4	3.4
50		2.5	3	3.5	2.8	2.9	3.4	3.1	3.1	3.4	3.4	3.1	3.1
52		2.3	2.8	3.1	2.4	2.7	3.1	2.7	3	3	3.1	2.9	2.9
54		2.1	2.6	2.7	2	2.5	2.9	2.3	2.8	2.6	2.8	2.8	2.7
56		1.8	2.3	2.3	1.6	2.3	2.6	1.9	2.6	2.3	2.5	2.6	2.5
58						2.1	2.3	1.6	2.4	1.9	2.2	2.4	2.3
60						1.9	2	1.2	2.2	1.6	1.9	2.1	2
62									2	1.3	1.6	1.8	1.7
64											1.4	1.5	1.4
66											1.1	1.3	1.2
68												1.1	1
Reeving		3							2				
Hook		25t											
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	3	4
	II	2	3	3	3	3	3	3	3	3	3	3	4
	III	3	3	3	3	3	3	3	3	3	3	4	4
	IV	3	3	3	3	3	3	3	3	3	3	4	4
	V	3	3	3	2	3	3	3	3	3	3	4	4
	VI	3	3	2	2	3	3	2	3	3	3	4	4
	VII	3	2	2	2	3	2	2	3	2	3	4	4

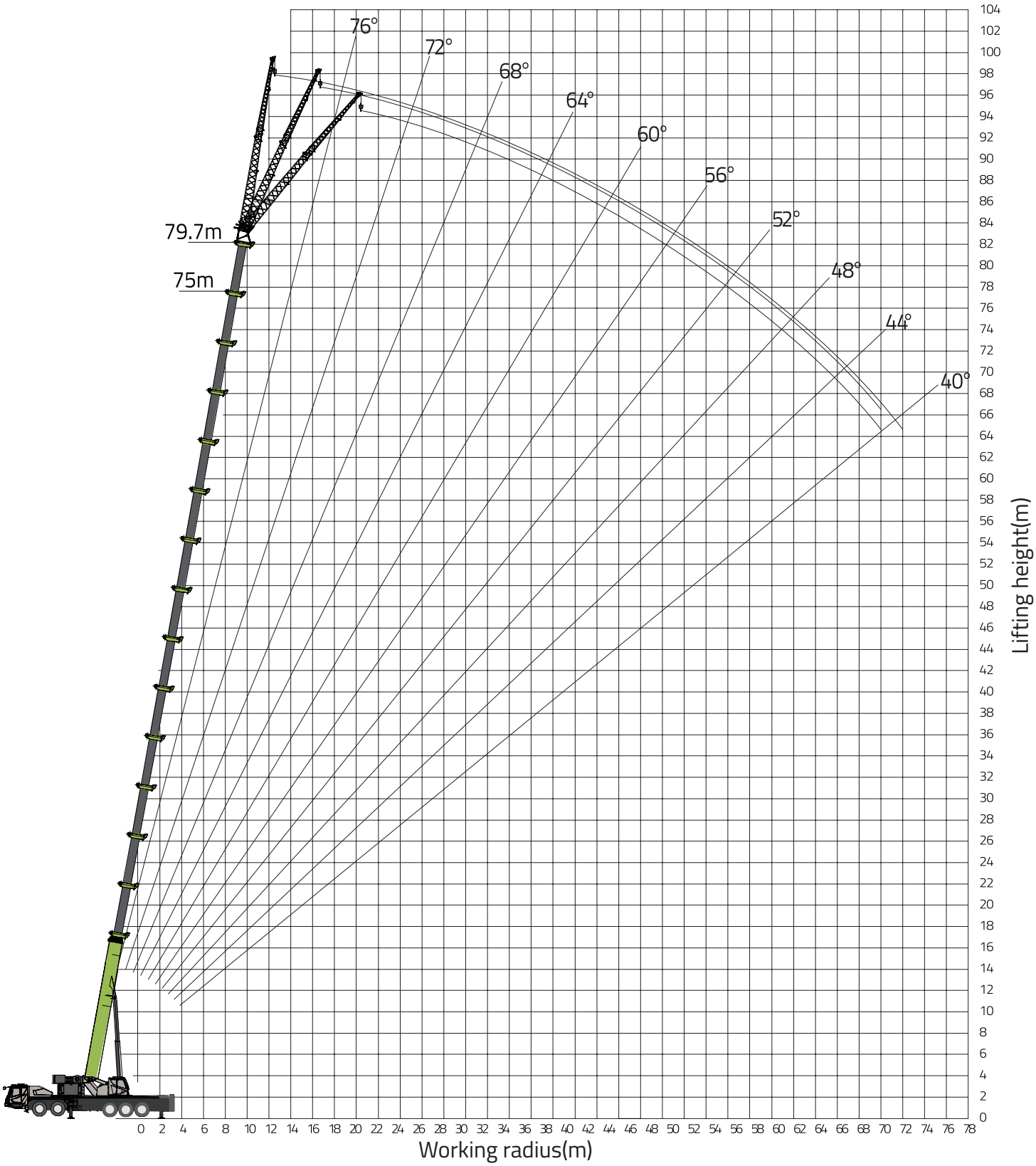
LIFTING HEIGHT CHART

Main boom + 10.4 m jib OM



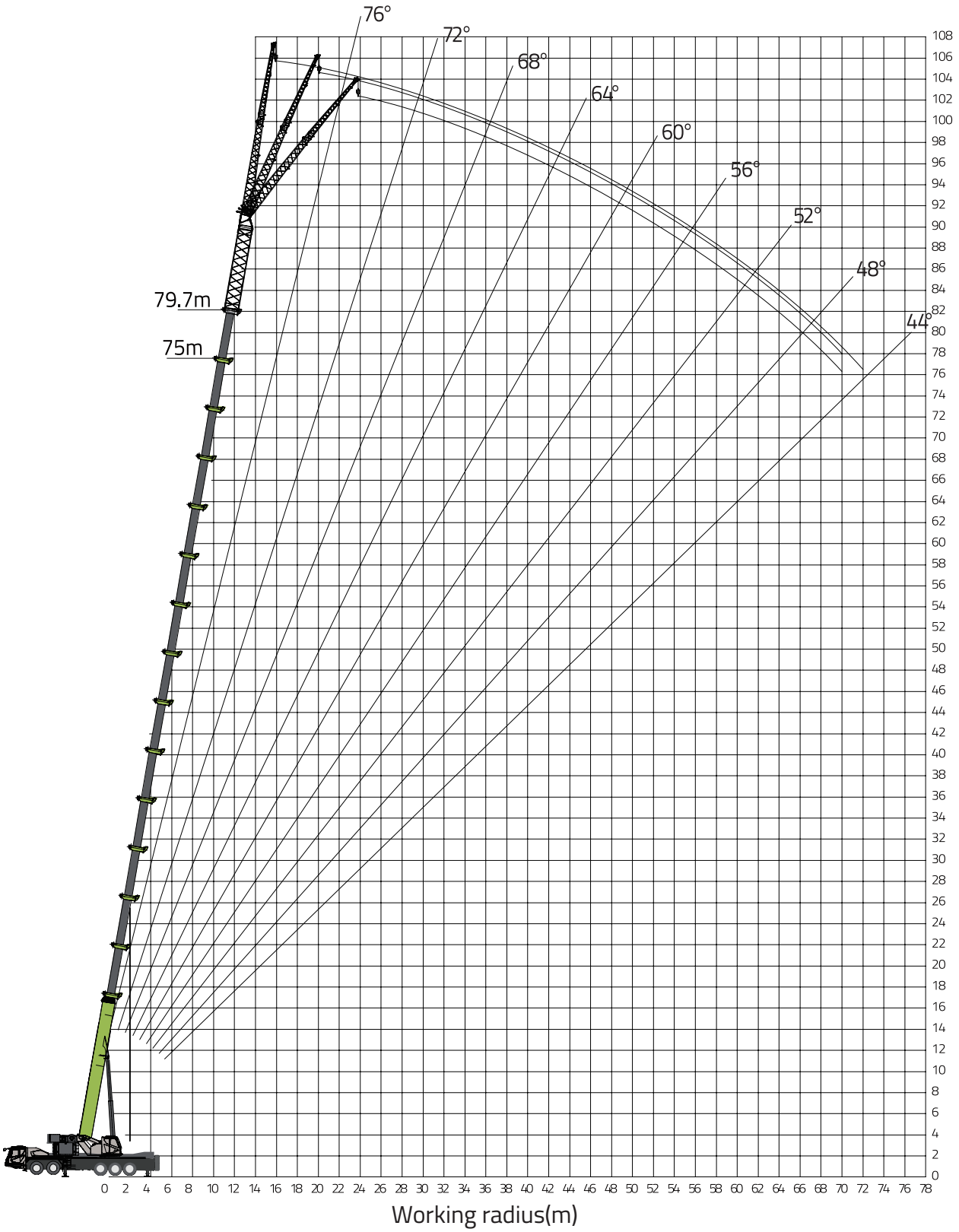
LIFTING HEIGHT CHART

Main boom + 17.5 m jib OM



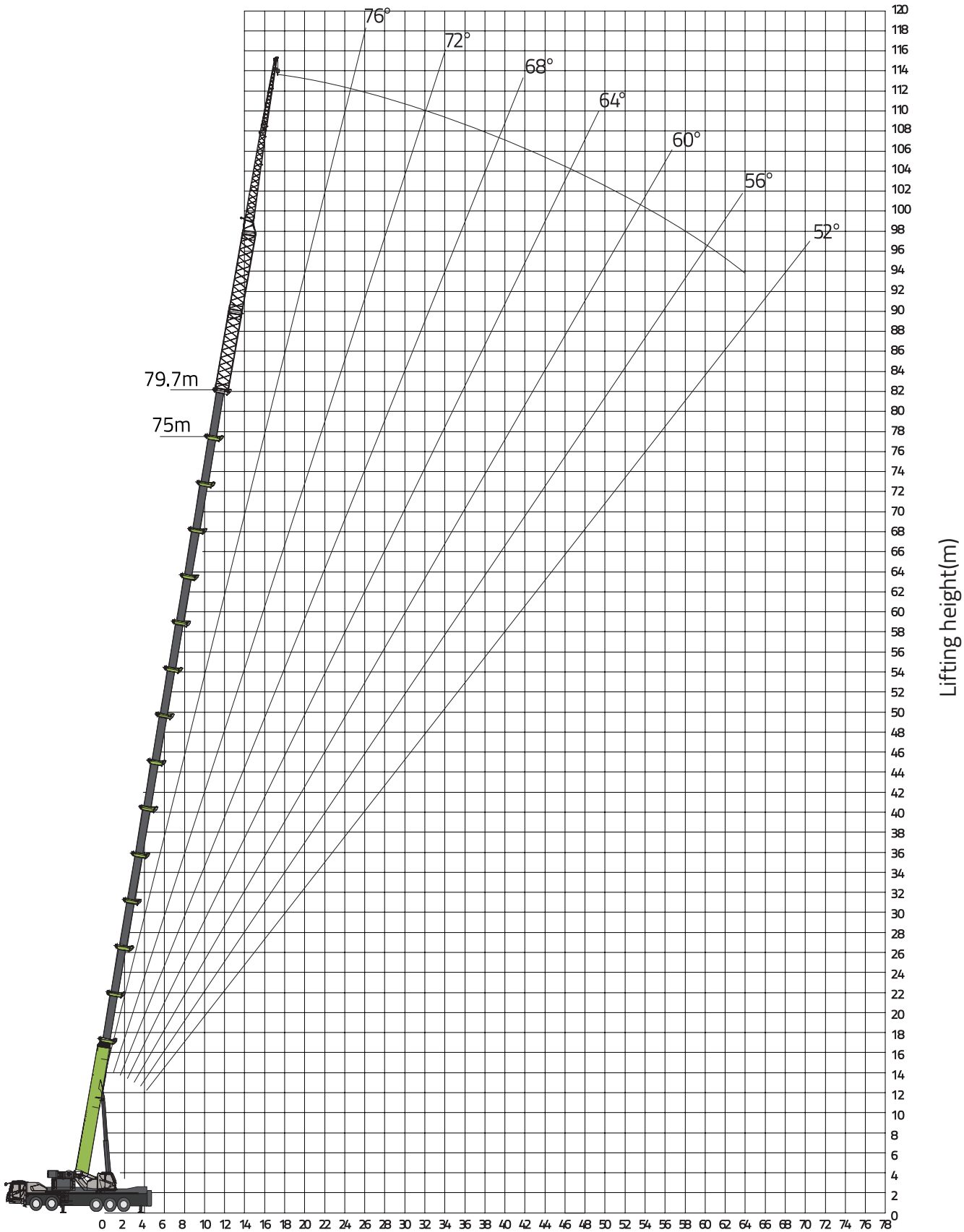
LIFTING HEIGHT CHART

Main boom + 25.5 m jib OM



LIFTING HEIGHT CHART

Main boom + 33.5 m jib OM



RATED CAPACITY CHART

*Main boom **(75m)** + jib*

Unit: ton

	Main boom(75m) + jib(m)											
	+10.4			+17.5			+25.5			+33.5		
m	[Adaptor] + [Jib section I]			[Adaptor] + [Jib section I] + [Jib section II]			[8 m Extension] + [Adaptor] + [Jib section I] + [Jib section II]			[8 m Extension] + [8 m Extension] + [Adaptor] + [Jib section I] + [Jib section II]		
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°		
20												
22	5.5											
24	5.5	5.0										
26	5.5	5.0	4.5	3.6			2.5					
28	5.2	4.9	4.5	3.6	2.8		2.5					
30	4.9	4.6	4.4	3.5	2.8	2.5	2.5	2.2		1.6		
32	4.6	4.3	4.1	3.4	2.8	2.5	2.5	2.2	1.8	1.6		
34	4.3	4.1	3.9	3.3	2.8	2.4	2.4	2.1	1.8	1.6		
36	4.0	3.8	3.6	3.2	2.8	2.4	2.4	2.1	1.8	1.5		
38	3.8	3.6	3.4	3.1	2.8	2.4	2.3	2.1	1.8	1.5		
40	3.6	3.4	3.2	3.0	2.6	2.3	2.3	2.0	1.8	1.5		
42	3.4	3.2	3.0	2.9	2.6	2.3	2.2	2.0	1.7	1.4		
44	3.2	3.0	2.8	2.7	2.5	2.3	2.2	2.0	1.7	1.4		
46	3.0	2.9	2.7	2.5	2.4	2.2	2.2	1.9	1.7	1.4		
48	2.8	2.7	2.5	2.4	2.3	2.2	2.1	1.9	1.7	1.3		
50	2.6	2.5	2.3	2.3	2.2	2.1	2.0	1.8	1.6	1.3		
52	2.5	2.4	2.2	2.2	2.1	2.0	1.9	1.8	1.6	1.3		
54	2.3	2.2	2.0	2.0	1.9	1.9	1.8	1.7	1.6	1.3		
56	2.2	2.1	1.9	1.9	1.8	1.8	1.7	1.6	1.5	1.2		
58	1.9	2.0	1.8	1.8	1.7	1.7	1.6	1.5	1.4	1.2		
60	1.5	1.6	1.6	1.7	1.6	1.6	1.5	1.4	1.3	1.1		
62	1.2	1.3	1.3	1.5	1.5	1.5	1.4	1.3	1.2	1.0		
64	0.9	1.0	1.0	1.3	1.4	1.4	1.3	1.2	1.2	0.9		
66			0.8	1.1	1.3	1.3	1.2	1.2	1.1			
68				0.9	1.1	1.2	1.1	1.1	1.1			
70												
72												
74												
76												
78												
80												
82												
84												
86												
Reeving												
Hook												

Note: Telescoping combination of 75m boom length: **3 3 3 3 3 3 2**

RATED CAPACITY CHART

*Main boom **(79.7m)** + jib*

Unit: ton

	Main boom(79.7m) + jib(m)											
	+10.4			+17.5			+25.5			+33.5		
m	[Adaptor] + [Jib section I]			[Adaptor] + [Jib section I] + [Jib section II]			[8 m Extension] + [Adaptor] + [Jib section I] + [Jib section II]			[8 m Extension] + [8 m Extension] + [Adaptor] + [Jib section I] + [Jib section II]		
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°		
20												
22												
24	4.5											
26	4.5	4.2										
28	4.4	4.2	3.8	2.8			2.0					
30	4.2	4.1	3.8	2.8	2.4		2.0					
32	4.0	3.9	3.6	2.8	2.4	2.0	2.0	1.8		1.3		
34	3.8	3.7	3.5	2.8	2.4	2.0	2.0	1.8		1.3		
36	3.6	3.5	3.3	2.7	2.3	1.9	2.0	1.7	1.7	1.3		
38	3.4	3.3	3.1	2.6	2.3	1.9	2.0	1.7	1.6	1.2		
40	3.2	3.1	3.0	2.5	2.2	1.8	2.0	1.7	1.5	1.2		
42	3.0	2.9	2.8	2.4	2.1	1.8	1.9	1.7	1.5	1.2		
44	2.8	2.7	2.6	2.3	2.1	1.8	1.9	1.7	1.5	1.2		
46	2.6	2.5	2.5	2.2	2.0	1.7	1.9	1.7	1.5	1.1		
48	2.4	2.4	2.3	2.1	1.9	1.7	1.8	1.7	1.5	1.1		
50	2.3	2.2	2.2	1.9	1.8	1.6	1.7	1.6	1.4	1.1		
52	2.2	2.1	2.1	1.8	1.7	1.6	1.6	1.6	1.4	1.1		
54	2.0	2.0	1.9	1.7	1.6	1.5	1.5	1.5	1.4	1.1		
56	1.9	1.9	1.8	1.6	1.5	1.5	1.4	1.4	1.3	1.1		
58	1.8	1.8	1.7	1.5	1.4	1.4	1.3	1.3	1.2	1.0		
60	1.7	1.6	1.6	1.4	1.3	1.3	1.2	1.2	1.2	1.0		
62	1.5	1.5	1.5	1.3	1.2	1.2	1.1	1.1	1.1	0.9		
64	1.2	1.3	1.3	1.2	1.1	1.1	1.1	1.1	1.0	0.8		
66	1.0	1.0	1.1	1.1	1.0	1.0	1.0	1.0	1.0			
68		0.8	0.9	1.0	0.9	0.9	0.9	0.9	0.9			
70												
72												
74												
76												
78												
80												
82												
84												
86												
Reeving												
Hook												

Note: Telescoping combination of 79.7 m boom length: **3 3 3 3 3 3 3**

ZOOMLION

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