

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

ZOOMLION
ALL TERRAIN CRANE

ZAT2600V853N



Max. rated lifting
capacity
260t

Max. load moment
of basic boom
780t.m

Max. lifting height
of boom
91m

Max. lifting height
of jib
120m

**PROD
4.0**











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■ ZAT2600V853N

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	Main boom + Superlift + Jib	29
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Crane Data

Hook (transported individually)

						<input checked="" type="radio"/> Standard <input type="radio"/> Optional
Specification	Weight (t)	Transport dimensions (mm)	Fall	Single hook	Double hook	Configuration
130t	1.48	1865×900×650	16	-	Double	<input type="radio"/>
110t	1.28	1835×805×650	14	-	Double	<input type="radio"/>
70t	0.92	1580×650×650	10	-	Double	<input type="radio"/>
70t	0.9	1675×650×650	10	Single	-	<input checked="" type="radio"/>
25t	0.59	1410×390×650	3	Single	-	<input type="radio"/>
9t	0.38	φ405×845	1	Single	-	<input checked="" type="radio"/>

Wire rope



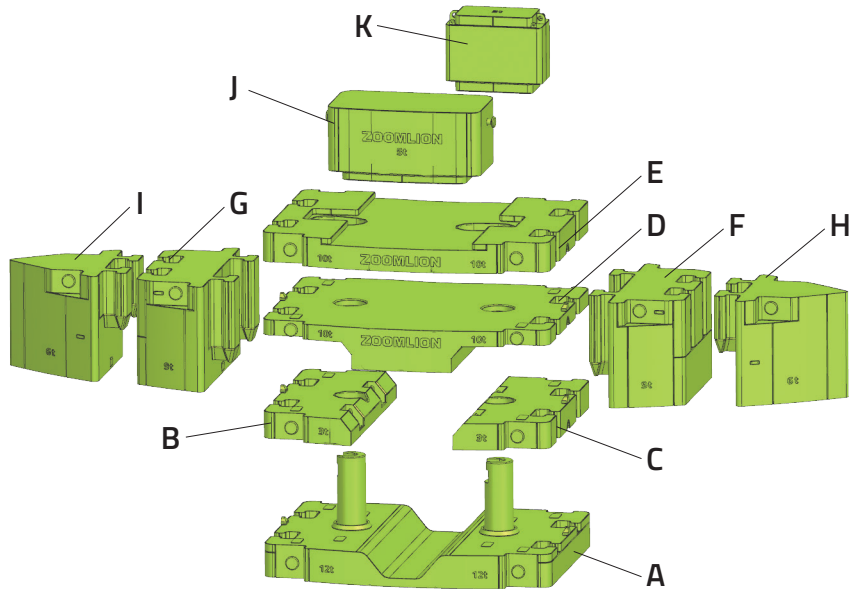
	Diameter(mm)	Length (m)	Max. pulling force of single rope (t)
 Main hoist rope	φ20	450	9

Table of options

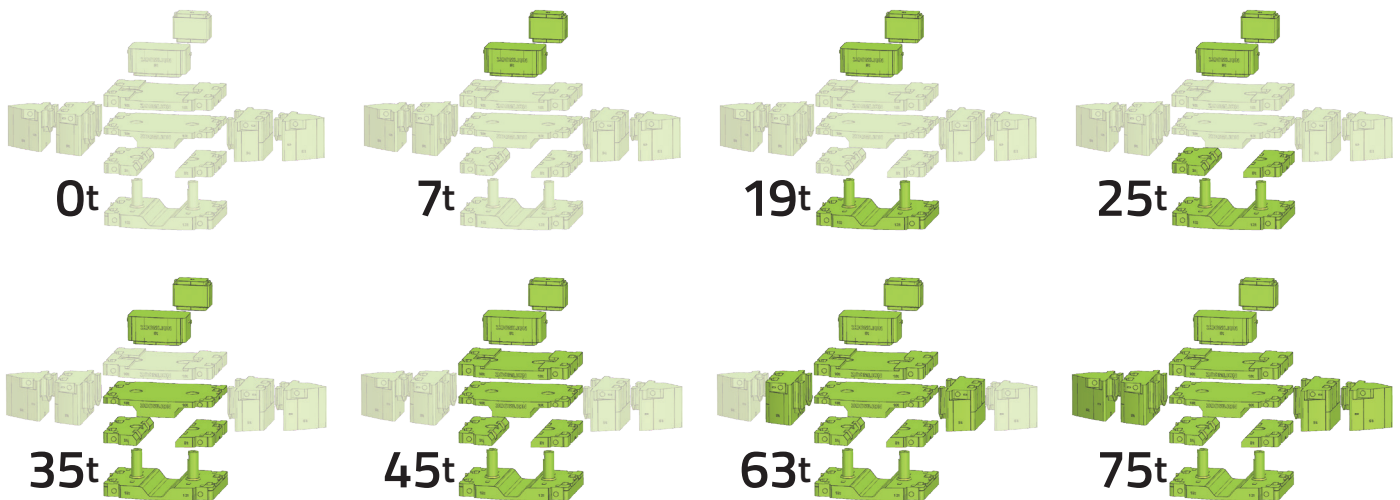
No.	Description	Remarks
1	Base plate of outrigger	Overall dimensions: 1800mm*1800mm*210, 4 pieces
2	Extension	Including 2 pieces of 8m extensions
3	Hook	Options: 130t, 110t, 70t (ramshorn hook), 70t (single hook), 25t, 9t

Counterweight



	Description	Mass (t)	Transport dimensions (mm)	Quantity (piece)
A	Lower counterweight	12	3000×2350×1105	1
B	Small counterweight, L	3	2325×970×275	1
C	Small counterweight, R	3	2325×970×275	1
D	Intermediate counterweight	10	3000×2350×515	1
E	Upper counterweight	10	3000×2350×307	1
F	Side counterweight 1	9	1015×1960×1100	1
G	Side counterweight 1	9	1015×1960×1100	1
H	Side counterweight 2	6	1315×1375×1100	1
I	Side counterweight 2	6	1315×1375×1100	1
J	Fixed counterweight	5	1760×1145×750	1
K	Fixed counterweight	2	1010×465×795	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: 14.9 m - 90 m.

Jib

- Jib variants: 12 m, 20 m, 28 m (One section of 8m extension is available for options.), 36 m (Two sections of 8m extensions are available for options.)
- Jib variants, superlift: 16 m, 24 m, 32 m (One section of 8m extension is available for options.), 40 m (Two sections of 8m extensions are available for options.)

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.
- High-performance rotation-resistant ropes.

Luffing gear

- One hydraulic cylinder, providing the boom with smooth luffing movements from -0.5° to 82° .

Slewing gear

- Two slewing gears, consisting of the hydraulic motor and the 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.
- Integrated bus key panel.
- Vertical 10.4 inch two-in-one LCD (touch screen)
- It is with USB plug. And thus, it is chargeable.
- The cab can be tilted for $0-20^{\circ}$ to improve operator's field of vision and reduce the operation intensity.
- Wiper and windshield washing system.
- Cab heater and air conditioning.

Counterweight

- 75t total counterweight among which 38t main body counterweight (5 pieces), 9t side counterweight 1 (2 pieces), 6t side counterweight 2 (2 pieces), 5t dismantlable fixed counterweight (1 piece) and 2t dismantlable fixed counterweight (1 piece)
- Counterweight combinations include 0t, 7t, 19t, 25t, 35t, 45t, 63t and 75t.
- The movable counterweight can move backwards for 0.5m.

Hook

- Standard 70t (single hook), 9t.
- Optional 130t, 110t, 70t (ramshorn hook), 25t.

Hood

- In frame-type structure, beautiful appearance.

Central lubricating system

- Both the superstructure and the chassis adopt the central lubricating system.
- All the lubricating points are automatically supplied with the correct grease quantity for prolonged crane service life and easy maintenance.

Control system

- Superstructure operating mode consists of the electro-hydraulic proportional operation and the computer integrated control. Superstructure hydraulic system adopts open combined system which has good controllability.
- It is of these functions such as the counterweight self-assembly and dismantling function, the operator's cab tilting angle adjustment function, which have good starting and braking stability as well as 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.
- Superstructure and chassis integrated remote controller, can control the movements of crane and chassis. And it is convenient and safe for one person to support the vehicle or make the vehicle in a non-working order.
- Apply the intelligent technologies such as the winch follow-up function, the derricking compensation function. The automatic technology which can make the vehicle in a non-working order and the auxiliary anti-swing function are available for options.

Engine

- Model: Dongfeng Cummins QSB5.9-C220-30
- Exhaust emission standard: Off-road emission China III (GB 20891-2014)
- Rated maximum power / RPM: 157 kW at 2200 r/min
- Max. output torque / RPM: 820 N.m at 1400 - 1800r/min

Specifications

Crane chassis

Engine

- Model: Yuchai K1353-B500
- Type: 6-cylinder in line, turbo-charged, intercooled
- Displacement: 12939 ml
- Rated power / RPM: 390 kW at 1900 r/min
- Max. output torque / RPM: 2400 N.m at 950 - 1400 r/min
- Exhaust emission standard: India V emission standard
- Capacity of diesel oil tank: 500 L.

Transmission

- F12J22A automatic transmission manufactured by Shaanxi FAST Auto Drive Co., Ltd.
- The hydraulic retarder is a standard configuration.
- 12 forward and 2 reverse speeds.

Transfer case

- 2-gear transfer case (speed ratio: 1/1.75)

Propeller shaft

- The vehicle adopts an open propeller shaft arrangement with the contra gear flange which complies with the international standard. It is convenient to assemble and properly fixed. The included angle of the propeller shaft is small. Moreover, it is durable and reliable.

Axles

- Manufacturer: Hunan Zoomlion Axle Co., Ltd.
- Axle load: 13 tons
- 3 axles are mechanically drive.
- All axles steer. Axles 2, 4 and 5 are steer and drive axles. Axles 1 and 3 are steer and driven axles.
- Axles 1 and 2 adopt disc brakes, while axles 3, 4 and 5 adopt drum brakes.

Outrigger

- H type two sectional outrigger, box-shaped section, made of high-tensile steel ($\sigma_s=960\text{MPa}$)

Tires

- Tubeless tire
- Tire size: 445/95R25 radial tires
- Tire pressure: 1 MPa
- Rim type: 25-11.00/1.7
- Tightening torque of tire bolt: 650 – 700 N.m

Steering system

- All-wheel variable steering system with 6 steering programs.
- The steering system consists of a double-channel steering gear and a single axle double cylinder booster (excluding axle 2). A neutral locking cylinder set in each electrical control steer axle can make sure that each electrical control axle can move back to neutral position timely, and thus make sure that the vehicle has good travel stability.
- Axles 1 and 2 are mechanically steered by the steering wheel. Axles 3, 4 and 5 are steered by the electric proportional valve.
- Drive the electric proportional steer valve to control the movements of the steering booster cylinder and the neutral locking cylinder via PLC.

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 service brake, parking brake (emergency brake) and auxiliary brake.
- Service brake: dual-circuit air brake system, acting on 4 disc brakes and 6 drum brakes.
- Parking brake (Emergency brake): spring-loaded energy-stored brake, acting on 2 disc brakes and 6 drum brakes.
- Auxiliary brake: in-cylinder engine brake, hydraulic retarder brake of transmission (option)
- Double circuit brake system.
- The auxiliary brake is used for long descending gradients to minimize wear of the brake.
- The brake system is with ABS.






Electrical system

- CAN data bus technology.
- The driver's cab is equipped with a large multifunctional electronic display screen (touch screen) in multiple interfaces with convenient interactive functions.
- Generator: 28 V, 80 A.
- With visible reversing device and acoustic warning system.
- It can perform a vehicle fault diagnosis, display and storage.

Driver's cab

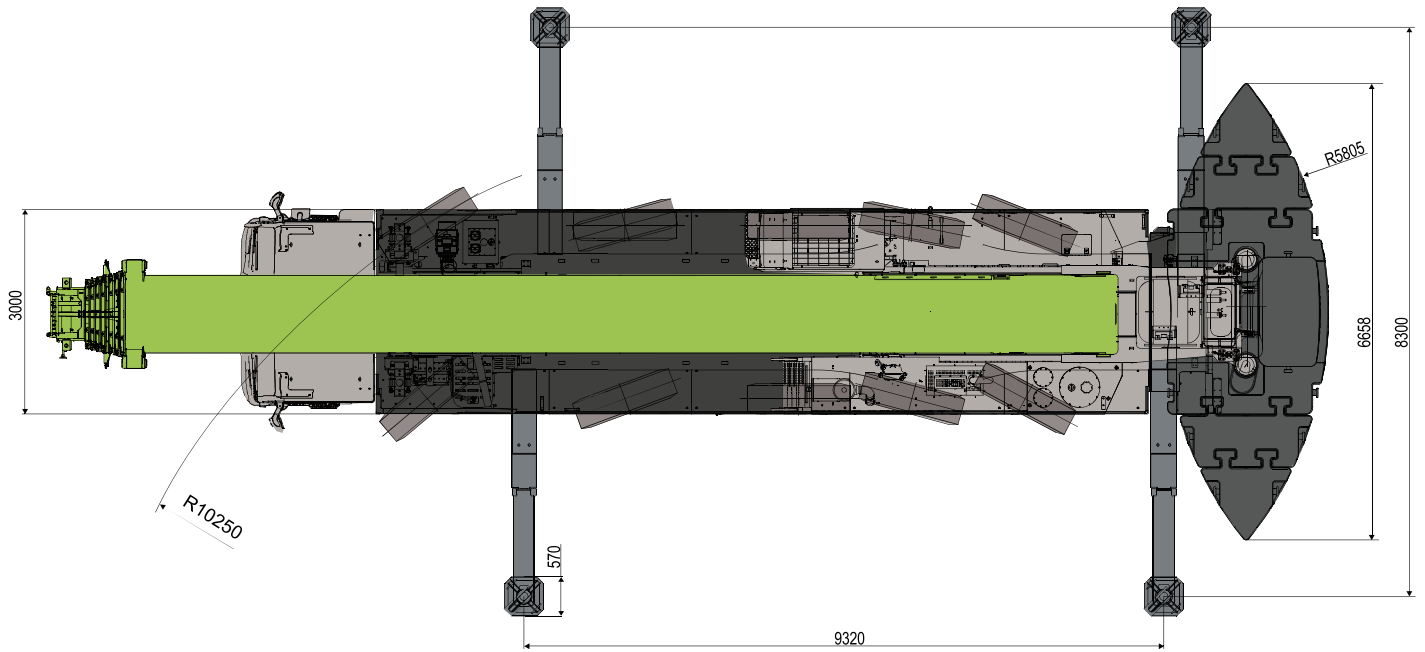
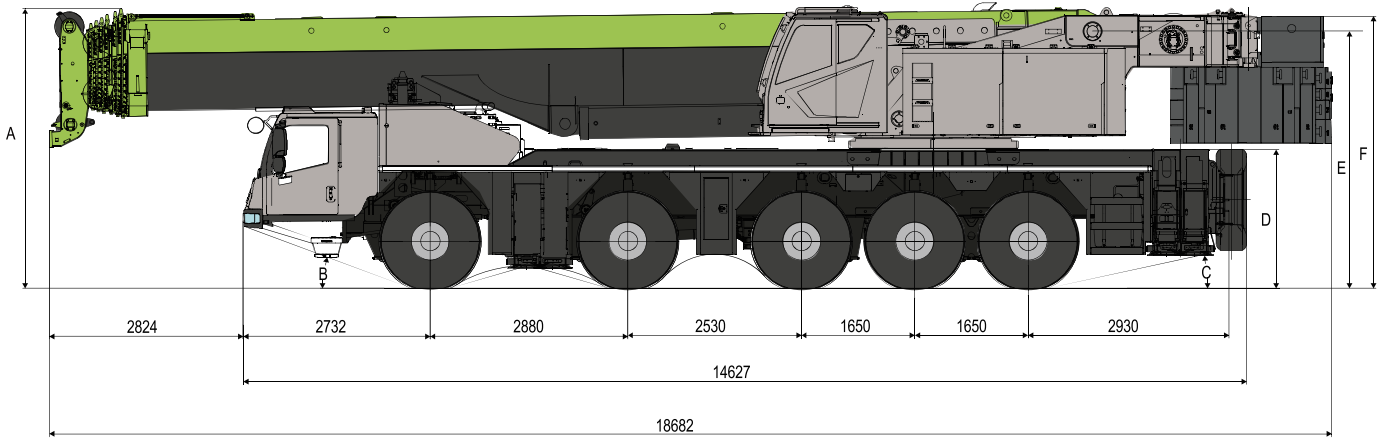
- 4.0 A series full-width and all-metal welded spacious cab with flexible lining is of convincing design and outstanding functionality.
- The control elements and displays are arranged according to ergonomic factors, thus for safe and convenient handling at permanent operation.
- The cab is with the following features:
 - Adjustable, mechanical shock-absorbing, high backrest seats.
 - Height and inclination adjustable steering wheel, power windows, wide-field rearview mirror, windshield washing system, reversing video device and radio receiver.
 - Standard configuration cab heater and AC.
 - The instrument console equipped with all kinds of instruments, control lights, control switches, cigarette lighter, USB interface and AC control panel and so on.

Technical Data

	Item	Unit	Value	Remarks
 Working performance	Max. rated lifting capacity	t	260	
	Max. load moment of basic boom	t.m	780	
	Max. load moment of main boom (fully extended)	t.m	326.8	
	Max. lifting height of basic boom	m	14.9	
	Max. lifting height of main boom	m	91	These parameters do not include deflection of boom and jib.
	Max. lifting height of jib	m	120	
 Working speeds	Max. hoist rope speed (main winch)	m/min	140	
	Boom derricking up/down time	s	70/100	
	Boom extending/retracting time	s	800/850	
	Slewing speed	r/min	0 - 1.5	
 Driving	Max. operation altitude	m	2000	
	Max. driving speed	km/h	50	
	Max. gradeability	%	48	
	Min. turning diameter	m	≤20.5	
	Min. ground clearance	mm	324	
	Limits for exhaust pollutants and smoke		India V	
	Front overhang angle	°	19	
	Rear overhang angle	°	12	
 Mass	Deadweight in driving condition (total mass)	kg	54900	
	Complete vehicle kerb mass	kg	54705	
	Single axle load	kg	9450/9450/12000/10200/12000	55t Traveling state
 Dimensions	Overall dimensions (L×W×H)	mm	17165×3000×4000	
	Outrigger spread (W)	m	Completely extended: 8.3 m, intermediate extended: 5.5 m	
	Outrigger spread (L)	m	9.32	
	Slewing radius of counterweight tail	mm	5305 (counterweight front position), 5805 (counterweight rear position)	
	Main boom length	m	14.9 - 90	
	Boom angle	°	-0.5 - 82	
	Jib length	m	12, 20	Option:28m, 36m

Dimensions

Unit: mm




	A	B	C	D	E	F
445/95 R25	4077mm	19°	12°	2026mm	3749mm	3972mm


Travel Modes

[T] Attached with the vehicle

[T] Removed from the vehicle

 Deadweight

 Max. driving speed

 Max. gradeability

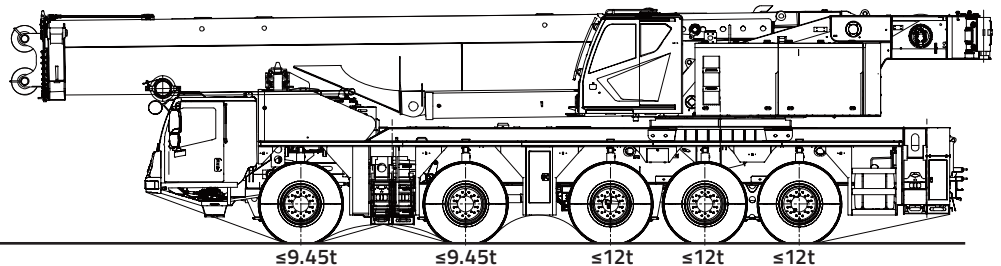
1 Road travel mode (55t)

The counterweight arm assy. should be installed.
The vehicle speed is below 50km/h and the gradeability is 48%.

 55t  50km/h  48%

[Boom sections I –II]

{Boom sections III – VIII}
{Rear sliding beams (including the oil cylinder etc.)}
{Outrigger pads}
{Hook} {Jib} {Tip-boom}
{Rooster-sheave}
{Counterweight}
{Superlift} {Spare tires}



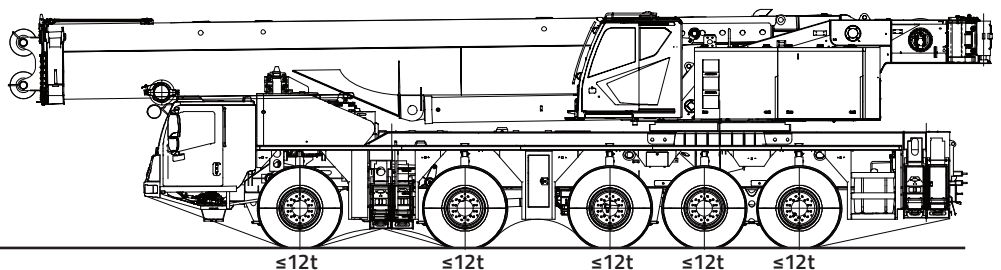
2 Road travel mode (60t)

The counterweight arm assy. should be installed. For long distance travelling.
The vehicle speed is below 50km/h and the gradeability is 48%.

 60t  50km/h  48%

[Boom sections I –II]

[2t Fixed counterweight]
{Boom sections III – VIII}
{Outrigger pads}
{Hook} {Jib} {Tip-boom}
{Rooster-sheave}
{Rest counterweight}
{Superlift} {Spare tires}



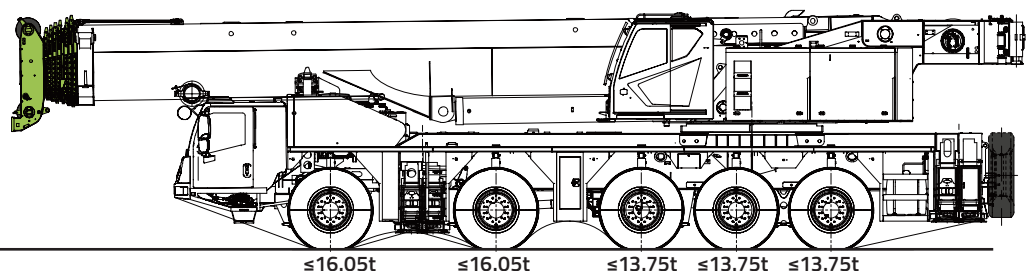
3 Road travel mode (73.35t)

For short distance travelling.
The vehicle speed is below 50km/h and the gradeability is 42%.

 73.35t  50km/h  42%

[Boom sections I –VIII]

[Spare tires]
{Hook} {Jib} {Tip-boom}
{Rooster-sheave}
{Counterweight}
{Superlift}



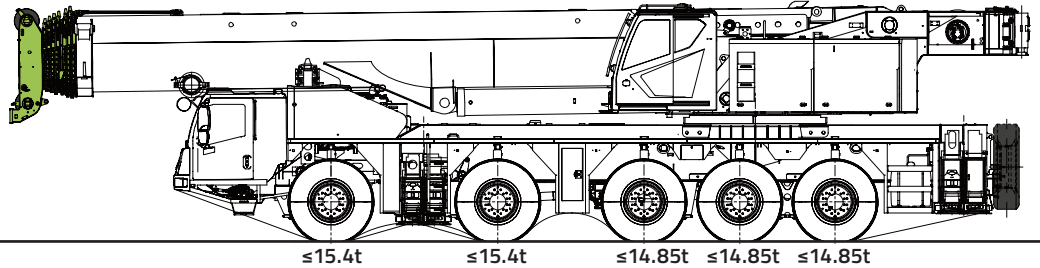
Travel Modes

4 Road travel mode (75.35t)

For short distance travelling.
The vehicle speed is below 50km/h and the gradeability is 40%.

75.35t 50km/h 40%

- [Boom sections I –VIII]
- [2t Fixed counterweight]
- [Spare tires]
- {Hook} {Jib} {Tip boom}
- {Rooster sheave}
- {Rest counterweight}
- {Superlift}

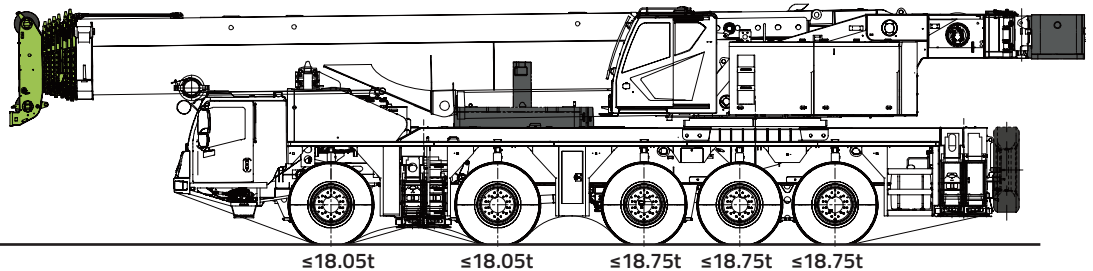


5 Road travel mode (92.35t)

For short distance travelling.
The vehicle speed is below 40km/h and the gradeability is 32%.

92.35t 40km/h 32%

- [Boom sections I –VIII]
- [19t counterweight]
- [Spare tires]
- {Hook} {Jib} {Tip boom}
- {Rooster sheave}
- {Rest counterweight}
- {Superlift}

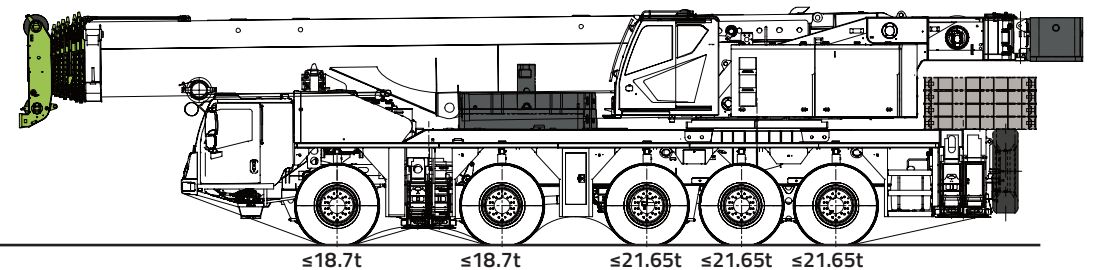


6 Off-road transit mode (102.35t)

For short distance travelling.
The vehicle speed is below 20km/h and the gradeability is 28%.

102.35t 20km/h 28%

- [Boom sections I –VIII]
- [25t counterweight]
- [4 pieces of pad assy]
- [Spare tires]
- {Hook} {Jib} {Tip boom}
- {Rooster sheave}
- {Rest counterweight}
- {Superlift}

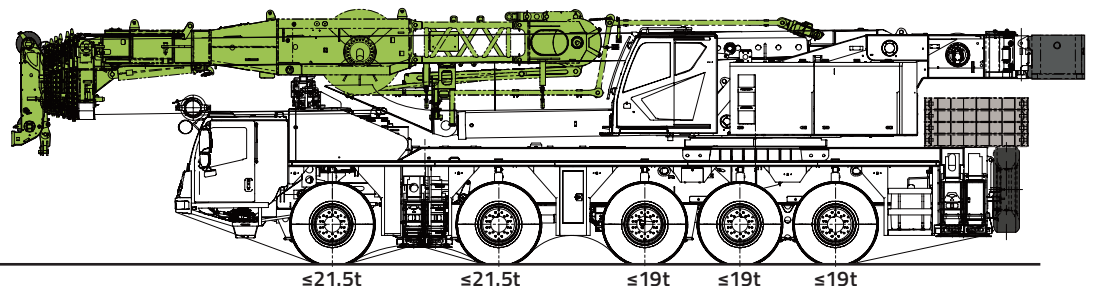


7 Off-road transit mode (100t)

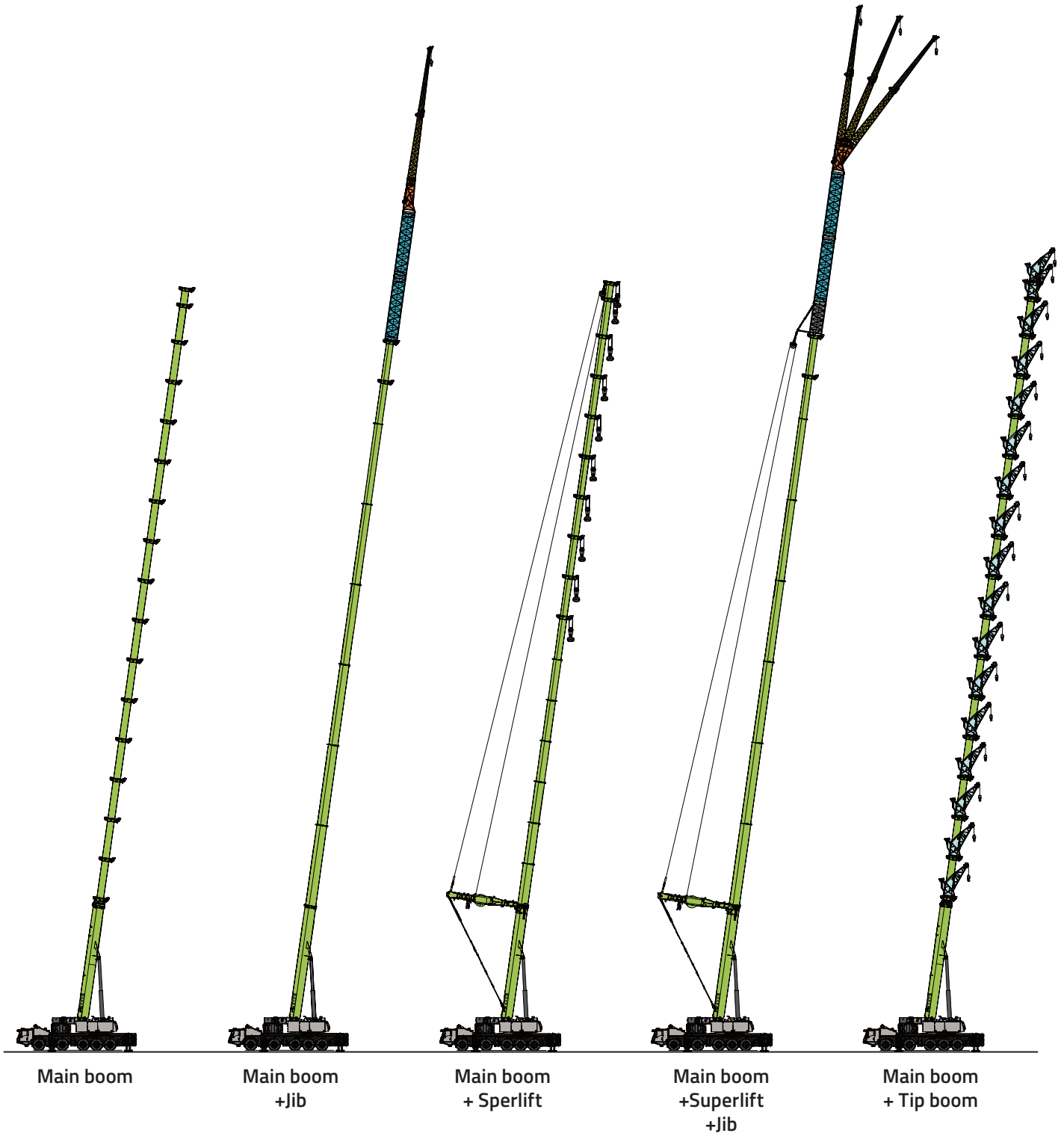
For short distance travelling.
The vehicle speed is below 20km/h and the gradeability is 29%.

100t 20km/h 29%

- [Boom sections I –VIII]
- [Superlift]
- [7t counterweight]
- [4 pieces of pad assy]
- [Spare tires]
- {Hook} {Jib} {Tip boom}
- {Rooster sheave}
- {Rest counterweight}



Boom/Jib Combinations

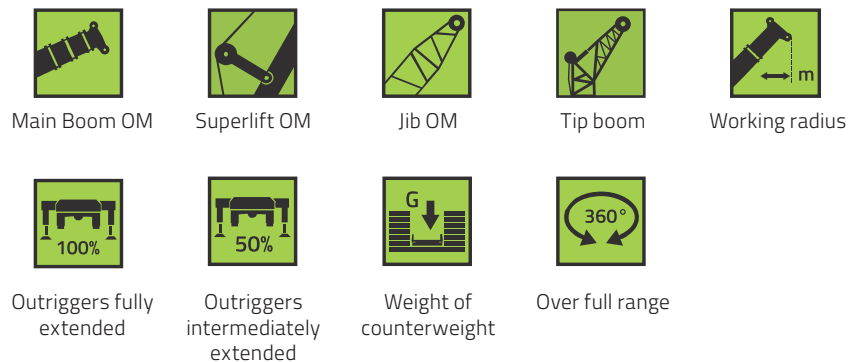


Lifting heights + Lifting capacities

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.

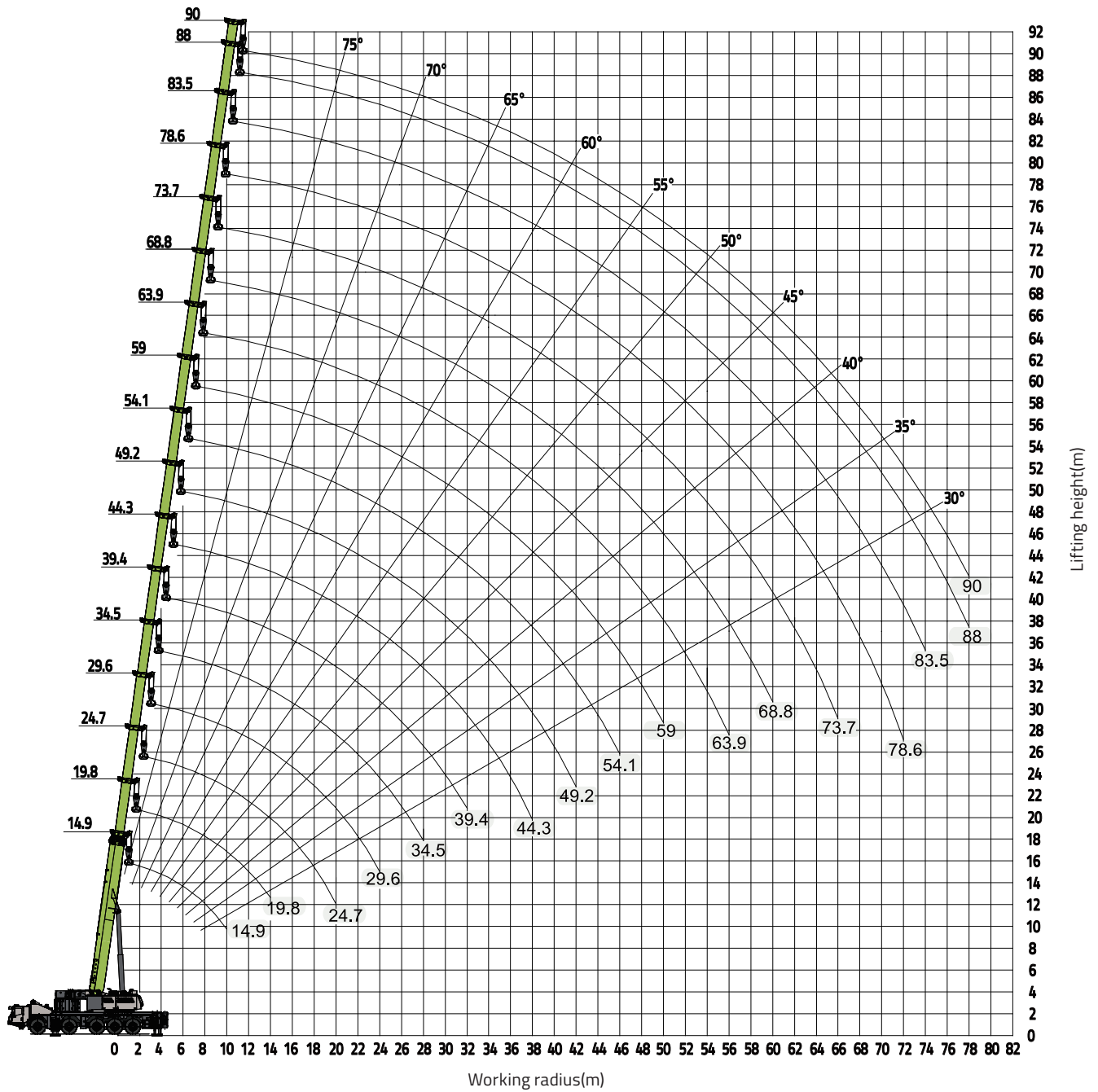
- a) OM marked with the asterisks (*) is nominal one.
- b) When the lifting capacity is more than 115t, the hook and the pulley on the boom frame need to be modified. Contact the manufacturer in advance if necessary.
- c) OMs marked with the pentacles (★) are optimal telescoping combinations.
- d) Sunlight 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.

Graphical representation



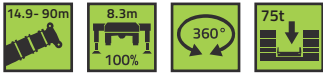
Lifting Height Chart

Main boom OM: 14.9m – 90m





Lifting Capacity Chart

Main boom

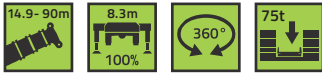


Unit: ton



 m	14.9m		19.8m					24.7m					 m		
	★		★					★							
3	260*												3		
3.5	150		145	140	140	50		140	136	131	120	27	3.5		
4	145		140	137	137	48		135	133	131	115	25.5	4		
4.5	140		138	135	135	46		130	128	126	110	24.2	4.5		
5	130		130	128	128	44		120	118	116	105	23.3	5		
6	120		116.5	115	115	41		110	108	106	95	21.2	6		
7	107		103.5	102	101.5	38		99	96	94	87	19.5	7		
8	97.5		92	93	94	36		90	88	86	81	18.2	8		
9	83.5		82	84	85	34		82.1	80	78	75	17	9		
10	75		75	76	77	32		75	75	74	70	15.9	10		
12			64	64.5	65	29		63	64.3	65.3	61.5	14.1	12		
14			54	55	56	27		53	55	56.2	55	12.6	14		
16								43.8	45.5	46.5	47.5	11.5	16		
18								36	37.5	38.5	39.5	10.5	18		
20								30.1	31.5	32.5	33.5	9.5	20		
22													22		
24													24		
Reeving	14		14						14					Reeving	
Hook	130t													Hook	
Telescoping mode	I	1		1	1	1	1		2	1	1	1	1	I	Telescoping mode
	II	1		2	1	1	1		2	2	1	1	1	II	
	III	1		1	2	1	1		1	2	2	1	1	III	
	IV	1		1	1	2	1		1	1	2	2	1	IV	
	V	1		1	1	1	1		1	1	1	2	1	V	
	VI	1		1	1	1	1		1	1	1	1	1	VI	
	VII	1		1	1	1	2		1	1	1	1	3	VII	

Lifting Capacity Chart

Main boom

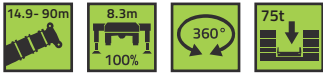


Unit: ton



 m	29.6m						34.5m						 m		
	★						★								
3.5													3.5		
4	120	120	115	78	27								4		
4.5	120	119	110	75	26								4.5		
5	115	114	105	71	25			100	98	72	51	23	5		
6	110	109	98	65	23			100	90	68	48	20.7	6		
7	98	97	92	60	21.5			96	83.5	64	45.5	19.4	7		
8	88	87	85	55.5	20.2			88	78	60	43	18	8		
9	80	79	78	52	18.8			80	72	58	40.5	16.8	9		
10	73	72	72	49	17.8			73	68	54.5	39	15.8	10		
12	63	65	63	44	16			62.5	60	49	35	14.2	12		
14	54	55.8	56.8	39.5	14.5			55	56.4	44.6	31.8	12.8	14		
16	44	46	47.5	36	13.4			45.4	47	41	29.3	11.6	16		
18	36	38	39.5	32.5	12.1			37.5	39.5	37.5	26.9	10.5	18		
20	30.5	32	33.5	29.6	11.1			31.6	33.5	34.3	24.6	9.5	20		
22	26	27.5	28.8	27.2	10.3			26.9	28.8	30.2	22.7	8.6	22		
24	21.5	23	24.2	24.4	9.5			23.1	25	26.5	21	7.8	24		
26								20	21.8	23.2	19.5	7.2	26		
28								17.5	19.4	20.9	18.6	6.7	28		
Reeving	13						11						Reeving		
Hook	130t						110t						Hook		
Telescoping mode	I	2	1	1	1	1			2	1	1	1	1	I	Telescoping mode
	II	2	2	1	1	1			2	2	1	1	1	II	
	III	2	2	2	1	1			2	2	2	1	1	III	
	IV	1	2	2	2	1			2	2	2	2	1	IV	
	V	1	1	2	2	1			1	2	2	2	1	V	
	VI	1	1	1	2	2			1	1	2	2	3	VI	
	VII	1	1	1	1	3			1	1	1	2	3	VII	

Lifting Capacity Chart

Main boom

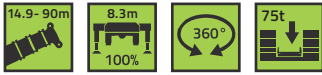


Unit: ton



 m	39.4m					44.3m					 m			
	★					★								
6	85	70	50	25	21.2					76.3	55.1	27	22.2	6
7	85	67.5	47.3	23.8	19.7					75	53.9	26.5	21.4	8
8	84	65.9	46	23	18.5					70	50	24.6	19.6	9
9	78	63	44	22.1	17.6					67.5	48.1	23.7	18.7	10
10	73	60	42	21.2	16.5					60.5	42.8	21.2	16.3	12
12	62.5	54	38	19.3	14.7					52	37	18.3	14.2	14
14	54.5	50	35	17.8	13.2					44	34.6	17.2	12.6	16
16	46	46.5	32.4	16.6	12					39.5	33.4	16.7	11.9	18
18	38.2	40.2	29.6	15.2	10.6					33.5	30.9	15.5	10.9	20
20	32.4	34.5	27.5	14.2	9.6					28.7	28.5	14.4	9.9	22
22	27.7	29.6	25.3	13.2	8.8					24.8	26.5	13.4	9	24
24	24	26	23.6	12.3	8					22	24	12.8	8.4	26
26	21	22.9	22.2	11.6	7.4					19.2	21.1	11.9	7.8	28
28	18.3	20.1	20.7	10.8	6.8					17	18.9	11.3	7.2	30
30	16	17.9	19.3	10.2	6.3					15.2	17	10.7	6.7	32
32	14.2	16	17.5	9.7	5.8					13.5	15.3	10.2	6.3	34
34										12	13.9	9.7	5.8	36
36										10.8	12.7	9.3	5.5	38
38														
Reeving	9					8					Reeving			
Hook	110t													Hook
Telescoping mode	I	2	1	1	1	1				2	1	1	1	I
	II	2	2	1	1	1				2	2	1	1	II
	III	2	2	2	1	1				2	2	2	1	III
	IV	2	2	2	2	1				2	2	2	1	IV
	V	2	2	2	2	2				2	2	2	3	V
	VI	1	2	2	2	3				2	2	2	3	VI
	VII	1	1	2	3	3				1	2	3	3	VII

Lifting Capacity Chart

Main boom

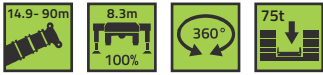


Unit: ton



 m	49.2m				54.1m				59m				 m		
	★				★				★						
8	58.7	47.8	29.5	23.3										8	
9	55.5	44.2	27.8	21.8	49.5	28	28	21						9	
10	52.6	41.2	26.4	20.4	47.5	27.8	27.6	20.8						10	
12	47.6	35.9	23.8	17.9	42.6	25.4	25.2	18.6	38	26.7	21.4	19.5		12	
14	43.3	31.6	21.7	15.9	38	23.2	23	16.6	34.6	24.6	19.4	17.8		14	
16	39.7	28.1	19.8	14.4	34	21.3	21.1	14.9	31.5	22.9	17.6	16.2		16	
18	36.5	25.2	18.3	13	30.7	19.7	19.6	13.6	28.5	21.4	16.1	14.8		18	
20	33.5	22.4	16.8	11.6	27.8	18.4	18.2	12.4	25.8	19.9	14.7	13.6		20	
22	29.8	20.8	16	10.8	25.2	17.1	16.9	11.3	23.5	18.6	13.5	12.4		22	
24	26	18.9	15	10	23	16	15.8	10.4	21.5	17.6	12.6	11.6		24	
26	22.8	17.2	14	9.2	21	15	14.8	9.6	19.6	16.5	11.7	10.5		26	
28	20.2	15.9	13.3	8.7	19.4	14.6	14.5	9.3	18	15.6	10.9	10		28	
30	18	14.7	12.6	8.1	17.2	14	13.8	8.7	16.6	14.9	10.2	9.3		30	
32	16	13.5	11.9	7.5	15.2	13.2	13.1	8	15	14.2	9.6	8.6		32	
34	14.3	12.5	11.3	7	13.6	12.7	12.2	7.5	13.2	13.4	8.9	7.8		34	
36	12.8	11.6	10.9	6.6	12.2	12.2	11.4	7	12.1	13	8.6	7.5		36	
38	11.6	10.8	10.3	6.2	11	11.8	10.7	6.7	10.8	11.7	8	6.9		38	
40	10.6	10.3	10	5.9	9.7	11.1	9.9	6.2	9.5	10.4	7.6	6.4		40	
42	9.5	9.5	9.6	5.5	8.7	10.2	9.4	5.9	8.5	9.4	7.1	5.9		42	
44					7.7	9.2	8.7	5.4	7.5	8.4	6.8	5.5		44	
46					6.9	8.3	8	5	6.7	7.6	6.4	5.1		46	
48									6	6.9	6.2	4.9		48	
50									5.2	6.1	5.8	4.4		50	
Reeving	7				6				5				Reeving		
Hook	70t														Hook
Telescoping mode	I	2	1	1	1	3	2	1	1	3	3	1	1	I	Telescoping mode
	II	2	3	2	1	2	2	3	1	3	2	3	1	II	
	III	2	2	2	1	2	2	2	1	2	2	2	2	III	
	IV	2	2	2	2	2	2	2	3	2	2	2	3	IV	
	V	2	2	2	3	2	2	2	3	2	2	2	3	V	
	VI	2	2	2	3	2	2	2	3	2	2	3	3	VI	
	VII	2	2	3	3	2	3	3	3	2	3	3	3	VII	

Lifting Capacity Chart

Main boom

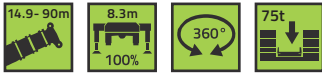


Unit: ton



 m	63.9m				68.8m				73.7m				 m	
	★				★				★					
12	31	24.8	20.1	18.4									12	
14	30.2	24.6	19.5	17.9	23.5	18	17.2	16.5					14	
16	28.3	23.5	18.2	16.7	23.5	17.7	16.9	16.2		18	16	15	16	
18	25.8	21.8	16.6	15.3	22.8	17.2	16.5	15.9		18	15.5	14.6	18	
20	23.6	20.5	15.5	14.3	20.9	16	15.3	14.7		18	15.2	14.3	20	
22	21.5	19.2	14.2	13.1	19.8	15.3	14.7	14.1		17.8	14.8	14.1	22	
24	19.7	18	13.2	12.2	18.3	14.4	13.8	13.3		16.6	14.4	13.7	24	
26	18.1	17.1	12.3	11.4	16.9	13.5	13	12.5		15.8	13.9	13.2	26	
28	16.5	16.1	11.5	10.4	15.7	12.7	12.2	11.6		14.7	13.2	12.3	28	
30	15.2	15.3	10.7	9.6	14.5	12	11.5	10.9		13.7	12.4	11.4	30	
32	13.9	14.5	10	8.9	13.5	11.3	10.9	10.2		12.7	11.8	10.6	32	
34	12.8	13.4	9.5	8.3	12.2	10.3	9.9	9.2		11.8	11.2	9.9	34	
36	11.8	12.4	8.8	7.7	11.3	9.9	9.4	8.7		10.8	10.5	9	36	
38	10.9	11.5	8.7	7.5	10.4	9.3	8.7	8.1		9.8	9.7	8	38	
40	9.6	10.2	8.1	7	9.6	8.8	8.1	7.6		9.2	9.2	7.6	40	
42	8.6	9.2	7.8	6.6	8.6	8.4	7.6	7.1		8.5	8.8	7	42	
44	7.6	8.2	7.3	6.2	7.9	8.1	7.3	6.8		7.8	8.2	6.5	44	
46	6.7	7.3	7	5.8	7	7.7	6.9	6.4		7.2	7.7	6.1	46	
48	6.1	6.7	6.7	5.4	6.3	7.1	6.5	6		6.6	7	5.7	48	
50	5.3	5.8	6.2	5	5.6	6.5	6.2	5.7		6.1	6.6	5.5	50	
52	4.6	5.2	5.7	4.7	5	5.8	5.7	5.3		5.2	5.6	4.9	52	
54	4	4.6	5.3	4.4	4.4	5.2	5.4	4.9		4.7	5.1	4.6	54	
56	3.5	4.1	5.1	4.2	3.8	4.6	5.1	4.6		4.2	4.6	4.4	56	
58					3.3	4.1	4.8	4.3		3.8	4.2	4.1	58	
60					2.8	3.6	4.6	4		3.3	3.7	3.8	60	
62										2.8	3.3	3.5	62	
64										2.4	2.8	3.2	64	
66										2	2.4	3	66	
Reeving	4				3				2				Reeving	
Hook	70t				25t								Hook	
Telescoping mode	I	3	3	1	1	3	3	2	1		3	3	1	I
	II	3	3	3	1	3	3	2	2		3	3	3	II
	III	3	2	3	3	3	2	2	3		3	3	3	III
	IV	2	2	2	3	3	2	3	3		3	2	3	IV
	V	2	2	2	3	2	2	3	3		3	2	3	V
	VI	2	2	3	3	2	3	3	3		2	3	3	VI
	VII	2	3	3	3	2	3	3	3		2	3	3	VII

Lifting Capacity Chart

Main boom

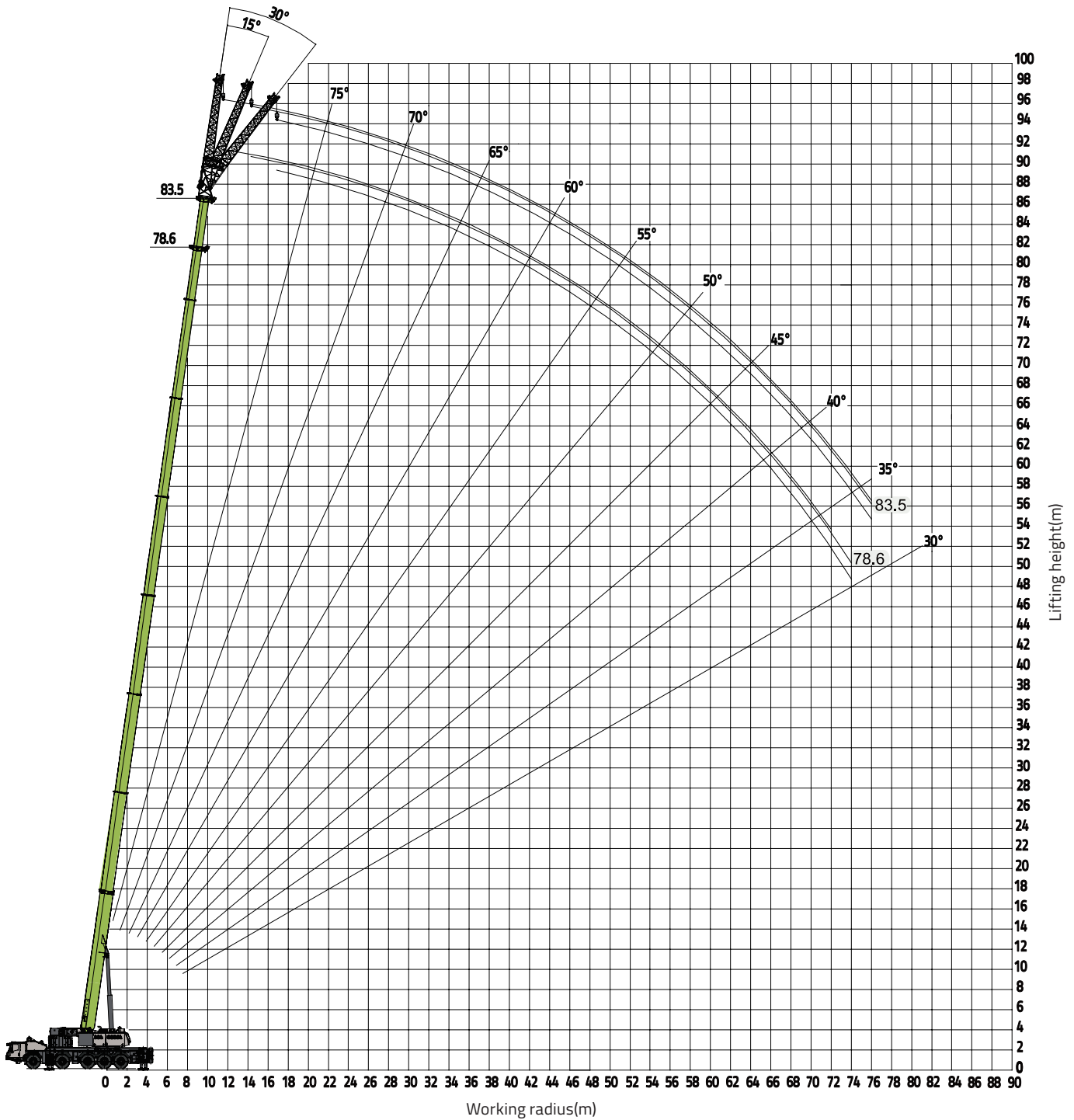


Unit: ton

 m	78.6m			83.5m			88m			90m			 m		
	★			★			★			★					
18	14.5	14.5	14.2				12						18		
20	14.5	14.2	14				12			9.7			20		
22	14.5	13.9	13.7				12			9.7			22		
24	14.5	13.7	13.5				12			9.7			24		
26	14.1	13.4	13.1				12			9.7			26		
28	13.3	12.7	12.4				12			9.7			28		
30	12.8	12.2	12				11.5			9.7			30		
32	12	11.6	11.3				11			9.6			32		
34	11.2	10.9	10.5				10.4			9.5			34		
36	10.4	10.2	9.7				9.8			9.3			36		
38	9.8	9.7	9.2				9.3			8.7		8.6	38		
40	9.1	9.1	8.5				8.8			8.2		8.1	40		
42	8.5	8.5	7.8				8.3			7.8		7.6	42		
44	7.9	8.1	7.3				7.8			7.4		7.1	44		
46	7.4	7.7	6.8				7.3			7		6.7	46		
48	6.8	7.1	6.3				6.9			6.5		6.3	48		
50	6.2	6.4	5.7				6.5			6.1		5.9	50		
52	5.7	6	5.4				6			5.8		5.5	52		
54	5.2	5.4	5.1				5.5			5.3		5.1	54		
56	4.8	5.1	5				5.1			5		4.8	56		
58	4.1	4.3	4.3				4.6			4.5		4.4	58		
60	3.6	3.9	4				4.2			4.2		4	60		
62	3.1	3.4	3.7				3.6			3.7		3.6	62		
64	2.7	3	3.4				3.2			3.4		3.3	64		
66	2.3	2.6	3.1				2.8			3.1		3	66		
68	2	2.3	2.8				2.4			2.6		2.5	68		
70	1.6	1.9	2.5				2			2.3		2.2	70		
72	1.2	1.5	1.9				1.7			2		1.8	72		
74							1.4			1.6		1.5	74		
76										1.3		1.2	76		
78										1.1		1	78		
Reeving	2						2				2	Reeving			
Hook	25t												Hook		
Telescoping mode	I	3	3	2			3			3			4	I	Telescoping mode
	II	3	3	3			3			3			4	II	
	III	3	3	3			3			4			4	III	
	IV	3	2	3			3			4			4	IV	
	V	3	3	3			3			4			4	V	
	VI	3	3	3			3			4			4	VI	
	VII	2	3	3			3			4			4	VII	

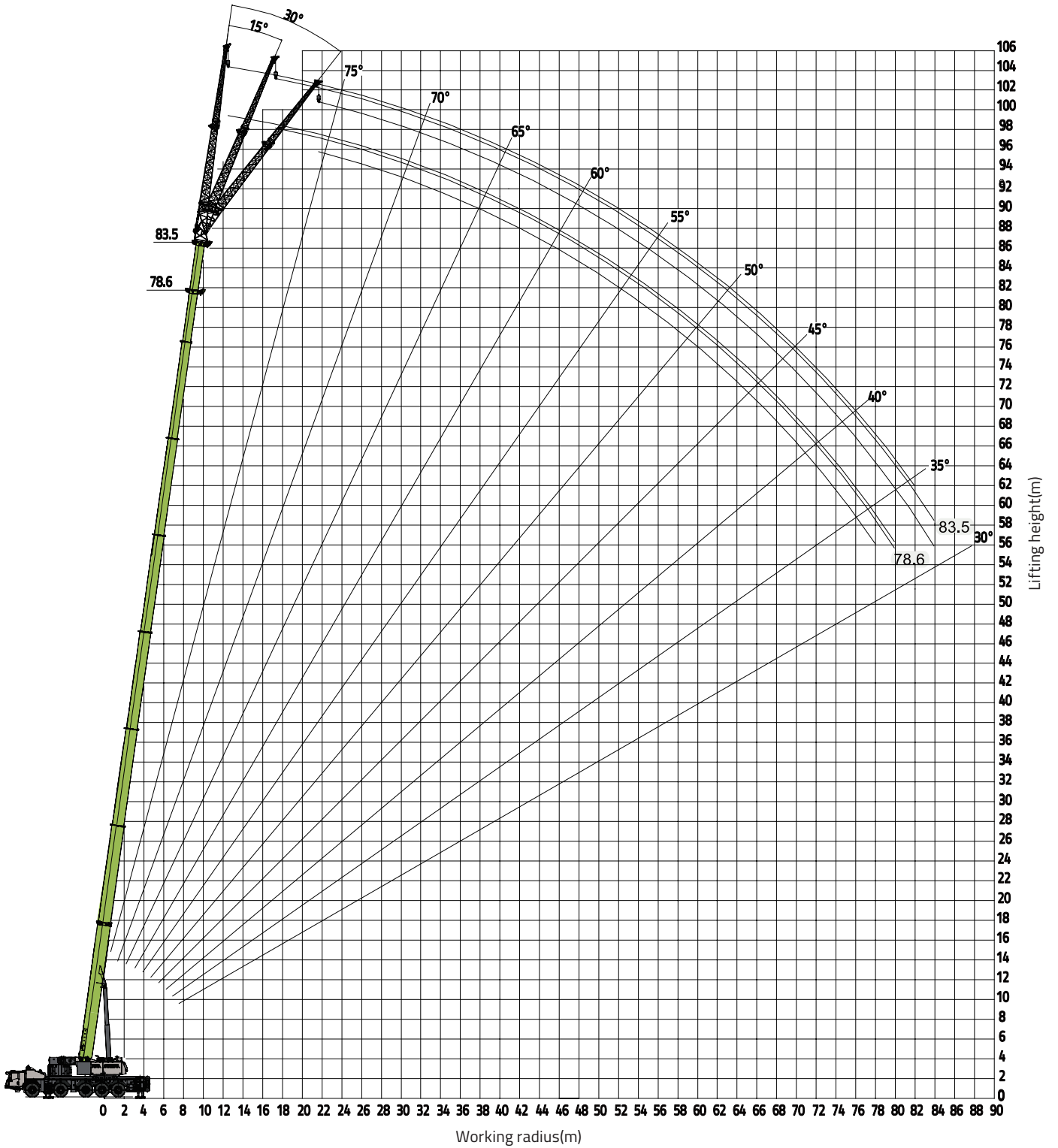
Lifting Height Chart

Main boom + 12m jib OM



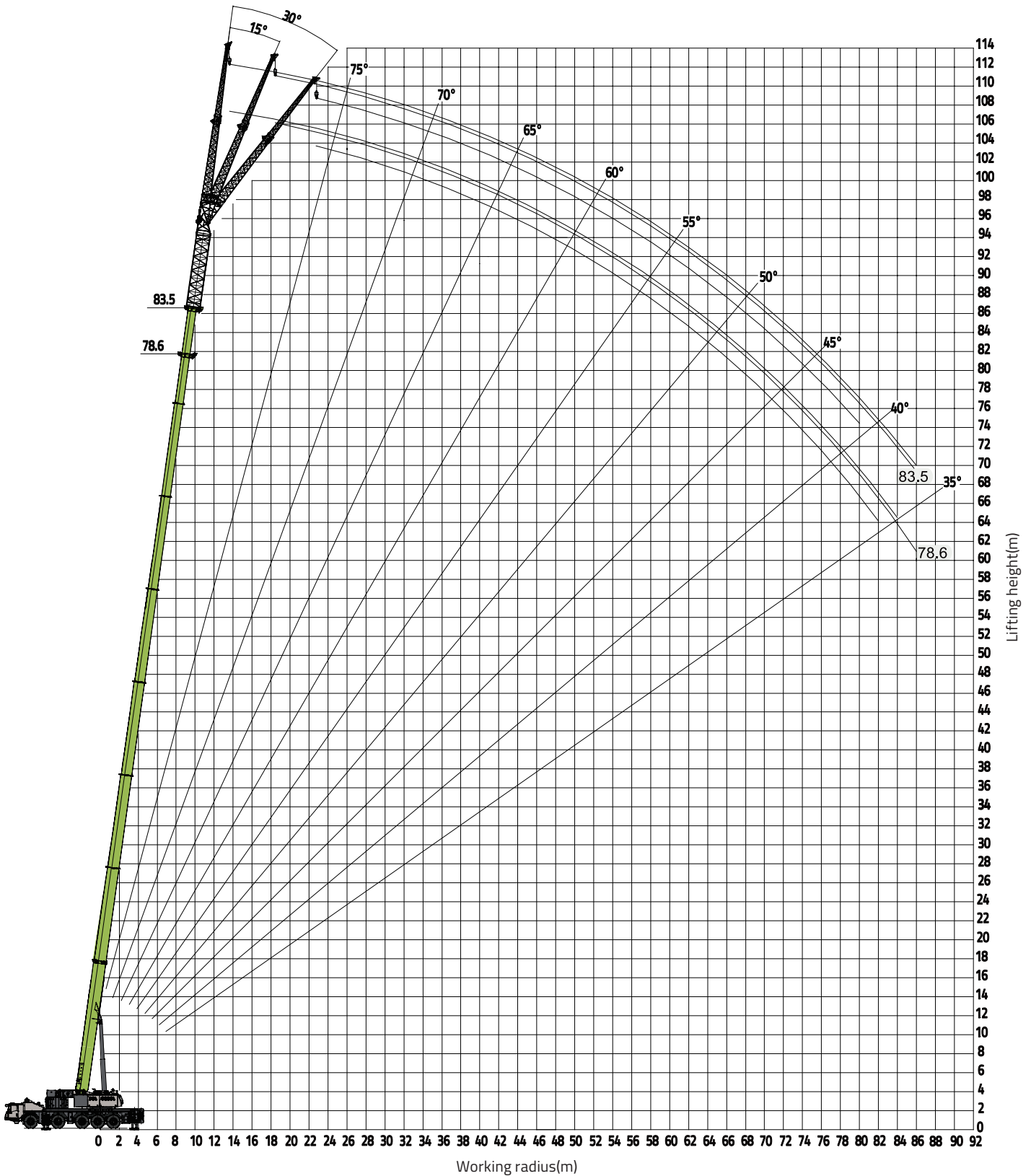
Lifting Height Chart

Main boom + 20m jib OM



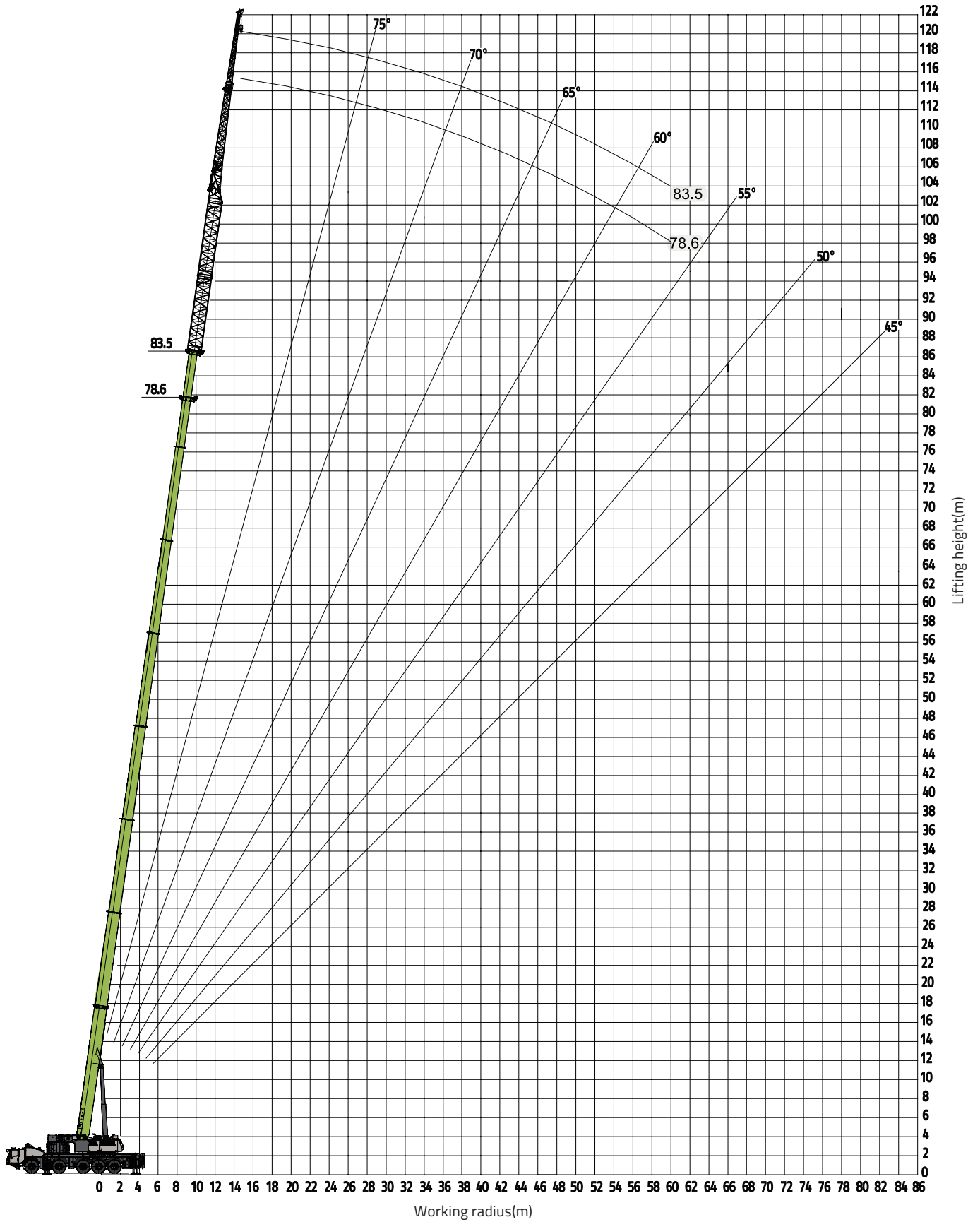
Lifting Height Chart

Main boom + 28m jib OM



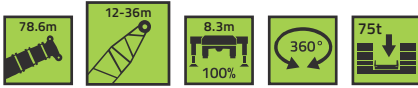
Lifting Height Chart

Main boom + 36m jib OM



Lifting Capacity Chart

Main boom (78.6m) + jib



Unit: ton

Main boom (78.6m) + Jib (m) + Offset (°)													
m	12m			20m			28m			36m			m
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°			
20	7.9			5									20
22	7.9	7	5.8	5.0			3.0						22
24	7.8	6.8	5.6	5.0	4.0		3.0			2.6			24
26	7.7	6.5	5.5	4.9	4.0		3.0			2.6			26
28	7.4	6.2	5.3	4.8	4.0	3.0	3.0	2.5		2.6			28
30	7.2	6	5.2	4.6	4.0	3.0	3.0	2.5		2.4			30
32	7	5.8	5	4.5	3.8	3.0	3.0	2.5	2	2.3			32
34	6.7	5.6	4.9	4.3	3.8	3.0	3.0	2.5	2.0	2.2			34
36	6.5	5.4	4.8	4.2	3.6	3.0	3.0	2.5	2.0	2.0			36
38	6.2	5.3	4.7	4.0	3.5	3.0	3.0	2.5	2.0	1.8			38
40	6.1	5.2	4.6	3.9	3.3	3.0	2.9	2.5	2.0	1.8			40
42	5.9	5.1	4.5	3.7	3.3	2.8	2.8	2.2	2.0	1.6			42
44	5.6	5	4.4	3.6	3.0	2.8	2.7	2.2	2.0	1.5			44
46	5.5	4.9	4.3	3.4	3.0	2.6	2.6	2.2	1.8	1.5			46
48	5.3	4.7	4.2	3.3	2.8	2.6	2.5	2.0	1.8	1.5			48
50	5.2	4.6	4.1	3.2	2.8	2.4	2.4	2.0	1.8	1.4			50
52	4.9	4.5	4.1	3.1	2.6	2.4	2.3	2.0	1.7	1.3			52
54	4.6	4.4	4	3.0	2.6	2.4	2.2	1.8	1.7	1.2			54
56	4.4	4.3	4	2.9	2.5	2.2	2.1	1.8	1.6	1.1			56
58	4.2	4.2	3.9	2.8	2.5	2.2	2.0	1.7	1.6	1.1			58
60	3.9	3.9	3.9	2.7	2.4	2.2	1.9	1.7	1.5	1			60
62	3.6	3.6	3.7	2.6	2.3	2.2	1.8	1.6	1.4				62
64	3.3	3.4	3.5	2.5	2.3	2.2	1.7	1.6	1.4				64
66	3	3.1	3.2	2.5	2.3	2.0	1.7	1.5	1.4				66
68	2.7	2.8	2.9	2.4	2.2	2.0	1.7	1.5	1.3				68
70	2.3	2.4	2.5	2.3	2.2	2.0	1.6	1.4	1.3				70
72	1.9	2.1	2.2	2.2	2.1	2	1.6	1.4	1.2				72
74		1.8	1.8	2.1	2.1	2	1.5	1.3	1.2				74
76				1.8	2	1.9	1.4	1.3	1.2				76
78				1.5	1.8	1.9	1.4	1.2	1.1				78
80					1.5	1.6	1.3	1.2	1.1				80
82							1.3	1.1	1.1				82
84							1.2	1.1					84
86								1.1					86

Note:

Telescoping combination of 78.6 m boom length: 3333332

Telescoping combination of 83.5 m boom length: 3333333

12 m jib: Adaptor I + adaptor II + jib section I

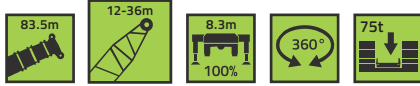
20 m jib: Adaptor I + adaptor II + jib section I + jib section II

28 m jib: 8 m Extension + adaptor I + adaptor II + jib section I + jib section II

36 m jib: 8 m Extension + 8 m extension + adaptor I + adaptor II + jib section I + jib section II

Lifting Capacity Chart

Main boom (83.5m) + jib



Unit: ton

Main boom (83.5m) + Jib (m) + Offset (°)													
Jib (m)	12m			20m			28m			36m			Jib (m)
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	
20													20
22	7.2												22
24	6.5	6	5.2										24
26	6.5	5.9	5.2	4.5									26
28	6.4	5.8	5	4.5	3.5		2.7						28
30	6.2	5.7	5	4.5	3.5		2.7			2.0			30
32	6	5.6	4.9	4.5	3.5	2.7	2.7	2.0		2.0			32
34	6	5.5	4.8	4.2	3.5	2.7	2.6	2.0		2.0			34
36	5.9	5.3	4.7	4.2	3.5	2.7	2.5	2.0	1.6	1.8			36
38	5.8	5.1	4.6	4.0	3.2	2.7	2.4	2.0	1.6	1.8			38
40	5.6	5	4.5	3.8	3.2	2.7	2.4	2.0	1.6	1.6			40
42	5.4	4.9	4.4	3.8	3.2	2.7	2.3	2.0	1.6	1.5			42
44	5.3	4.8	4.3	3.6	3.0	2.5	2.3	2.0	1.6	1.4			44
46	5.2	4.7	4.3	3.4	2.8	2.5	2.3	2.0	1.6	1.3			46
48	5	4.6	4.1	3.3	2.8	2.5	2.2	2.0	1.6	1.3			48
50	4.8	4.5	4.1	3.3	2.6	2.2	2.2	2.0	1.6	1.2			50
52	4.5	4.4	4	3.0	2.6	2.2	2.1	1.8	1.6	1.1			52
54	4.4	4.3	4	3.0	2.6	2.2	2.0	1.8	1.6	1.1			54
56	4.1	4.1	3.9	2.9	2.5	2.2	1.9	1.8	1.5	1			56
58	3.9	3.9	3.8	2.8	2.5	2.2	1.8	1.6	1.5	1			58
60	3.8	3.7	3.6	2.7	2.3	2.2	1.8	1.6	1.4	1			60
62	3.6	3.5	3.5	2.6	2.3	2.2	1.7	1.6	1.4				62
64	3.3	3.4	3.4	2.6	2.3	2.0	1.6	1.5	1.3				64
66	3.1	3.2	3.2	2.4	2.1	2.0	1.6	1.5	1.3				66
68	2.8	2.9	3	2.4	2.1	2.0	1.6	1.4	1.3				68
70	2.6	2.7	2.7	2.3	2.1	2.0	1.5	1.4	1.2				70
72	2.4	2.5	2.5	2.3	2.1	2.0	1.4	1.3	1.2				72
74	2	2.2	2.2	2.1	2.0	1.8	1.4	1.3	1.2				74
76	1.7	1.9	1.9	2.1	2.0	1.8	1.3	1.2	1.1				76
78				1.9	1.9	1.8	1.3	1.2	1.1				78
80				1.6	1.8	1.8	1.2	1.2	1.1				80
82				1.4	1.6	1.7	1.2	1.1					82
84					1.3	1.4	1.1	1.1					84
86							1.1	1.1					86

Note:

Telescoping combination of 78.6 m boom length: 3333332

Telescoping combination of 83.5 m boom length: 3333333

12 m jib: [Adaptor I + adaptor II + jib section I](#)

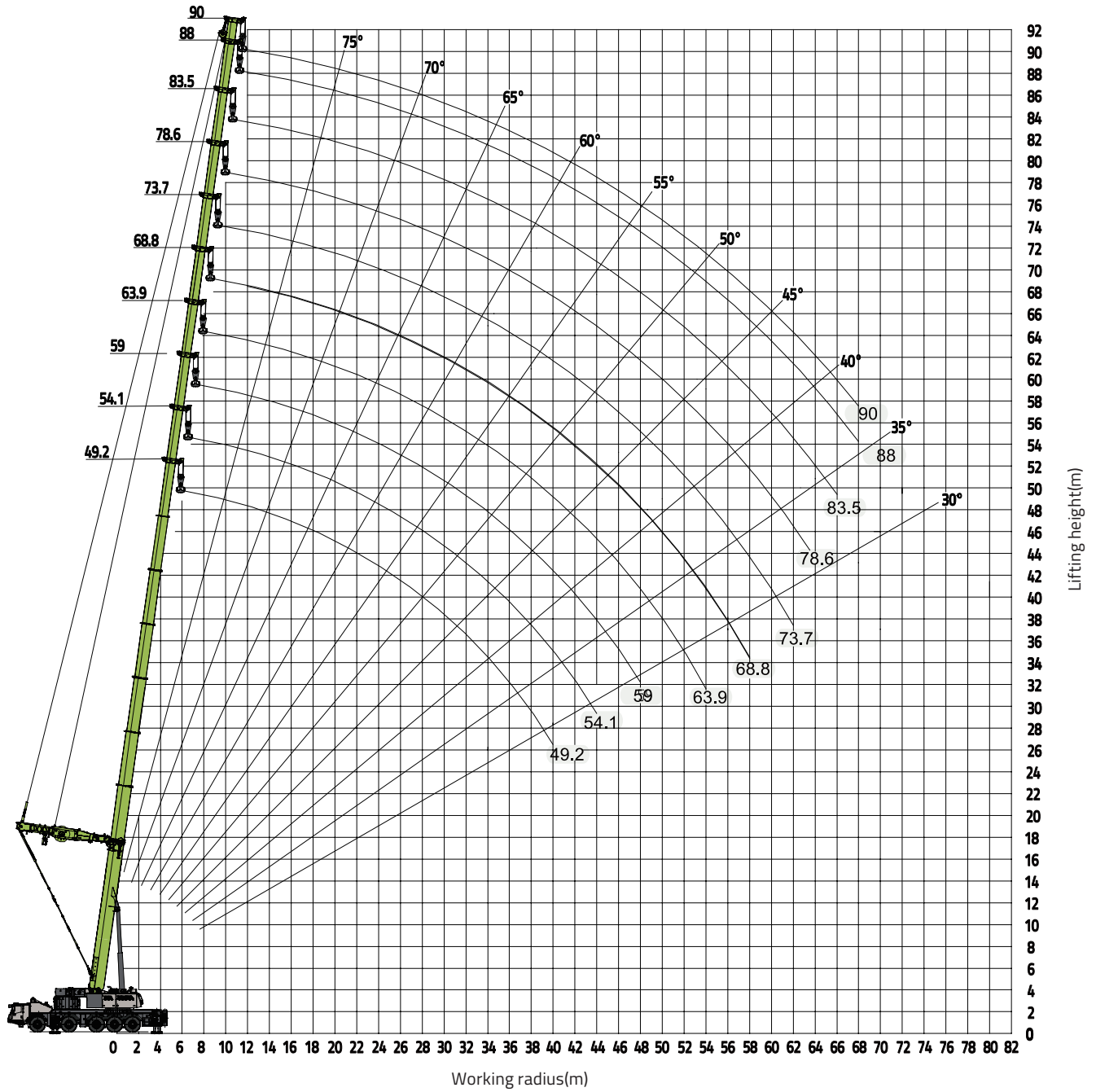
20 m jib: [Adaptor I + adaptor II + jib section I + jib section II](#)

28 m jib: [8 m Extension + adaptor I + adaptor II + jib section I + jib section II](#)

36 m jib: [8 m Extension + 8 m extension + adaptor I + adaptor II + jib section I + jib section II](#)

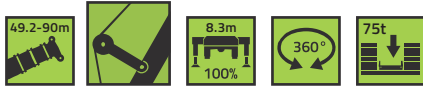
Lifting Height Chart

Main boom + superlift OM





Lifting Capacity Chart

Main boom + superlift



Unit: ton

 m	49.2m				54.1m				59m				 m		
	★				★				★						
7	66.5	66.5	52	46										7	
8	65	65	52	46	59	50	50	43.5						8	
9	63	63	52	46	58.5	50	50	43.5	55	45.7	44.7	39		9	
10	61	61	51	46	57.5	50	50	43.5	54.5	45.3	44.2	39		10	
12	57	57	48	45	55	47	47	43.5	54	43.8	43.5	39		12	
14	48	48.5	44	42	48	44	44	42	51	40.5	40	38.3		14	
16	42	42.5	40.5	39.8	41	40.5	40.5	38.9	42	38.1	37.8	36.5		16	
18	38	38.5	38.2	37.8	37	37.8	37.8	36.1	35	35.6	34.9	34		18	
20	33.1	33.6	34.2	35.5	31.8	33	33.4	33.9	30	31	32.6	32		20	
22	29	29.5	30.2	32.5	27.6	28.8	29.3	31.4	26.1	27.1	28.9	30.1		22	
24	25.1	25.5	27	28.5	24.2	25.8	26.2	28.2	22.8	23.8	25.5	26.7		24	
26	21.8	22.2	23.5	25	21.4	22.9	23.3	25.4	20.1	21	22.7	23.9		26	
28	18.8	19.3	20.5	22	18.7	20.4	20.8	22.8	17.8	18.7	20.3	21.5		28	
30	16.4	16.8	18	19.5	16.4	18	18.4	20.3	15.7	16.7	18.3	19.4		30	
32	14.3	14.7	15.8	17.2	14.4	15.9	16.3	18.2	14	15	16.6	17.7		32	
34	12.5	12.9	14	15.3	12.8	14.2	14.6	16.5	12.8	13.7	15.3	16.5		34	
36	11	11.4	12.4	13.6	11	12.4	12.8	14.5	11.7	12.6	14.4	15.5		36	
38	9.4	9.8	10.8	12	9.4	10.7	11.1	12.7	10.1	11	12.7	13.7		38	
40	8	8.3	9.3	10.5	8	9.3	9.7	11.2	8.8	9.7	11.2	12.3		40	
42					6.7	7.9	8.2	9.6	7.4	8.2	9.7	10.6		42	
44					5.5	6.6	6.9	8.3	6.2	7	8.4	9.3		44	
46									5	5.7	7	8		46	
48									4	4.7	5.9	6.7		48	
Reeving	8				7				7				Reeving		
Hook	70t														Hook
Telescoping mode	I	2	1	1	1	3	2	1	1	3	3	1	1	I	Telescoping mode
	II	2	3	2	1	2	2	3	1	3	2	3	1	II	
	III	2	2	2	1	2	2	2	1	2	2	2	2	III	
	IV	2	2	2	2	2	2	2	3	2	2	2	3	IV	
	V	2	2	2	3	2	2	2	3	2	2	2	3	V	
	VI	2	2	2	3	2	2	2	3	2	2	3	3	VI	
	VII	2	2	3	3	2	3	3	3	2	3	3	3	VII	

Lifting Capacity Chart

Main boom + superlift



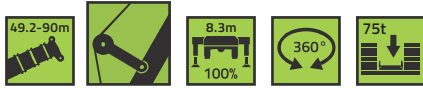
Unit: ton

m	63.9m				68.8m				73.7m				m
	★				★				★				
10	46	41.6	40	34.5									10
12	45.5	41.2	40	34.5	38	35	32.5	31		32	30.5	28.5	12
14	45	38.7	38.4	34.5	37.5	34.7	32.5	31		31.8	30.5	28.5	14
16	41.6	36.7	36	34.5	37	33.2	32	31		31.5	30.5	28.5	16
18	35	34.7	34	32.8	34	31.8	31.1	30		31.2	29.5	28	18
20	29.8	30.5	31.6	30.9	29	30	29.6	29		29.2	28.7	27.5	20
22	26	26.7	28.5	29.4	25.2	26	27.4	27.7		25.5	26	27	22
24	22.6	23.3	25.1	26.2	22.2	23	24.4	25		22.5	23	24.7	24
26	20	20.6	22.4	23.5	19.5	20.3	21.7	22.3		19.8	20.3	21.9	26
28	17.8	18.4	20.2	21.3	17.5	18.4	19.6	20.2		17.7	18.2	19.8	28
30	15.8	16.5	18.2	19.3	15.6	16.4	17.7	18.3		16	16.4	18	30
32	14.1	14.7	16.5	17.5	14	14.9	16.1	16.7		14.4	14.8	16.4	32
34	12.7	13.3	15	16	12.7	13.5	14.8	15.3		12.9	13.4	14.9	34
36	11.3	11.9	13.6	14.6	11.4	12.3	13.5	14.2		11.6	12.1	13.6	36
38	10.2	10.8	12.5	13.6	10.2	11.1	12.3	12.9		10.6	11	12.5	38
40	9.3	9.9	11.7	12.7	9.2	10	11.3	11.9		9.5	10	11.5	40
42	8.2	8.8	10.5	11.5	8.2	9	10.2	10.8		8.6	9	10.5	42
44	7.2	7.7	9.4	10.4	7.2	8.1	9.3	10		7.8	8.2	9.7	44
46	6.1	6.7	8.3	9.2	6.5	7.3	8.6	9.2		7	7.5	8.9	46
48	5	5.6	7.1	8	5.7	6.6	7.8	8.3		6.1	6.6	8	48
50	4.1	4.6	6.1	6.9	4.9	5.8	6.9	7.4		5.3	5.8	7.2	50
52	3.2	3.7	5	5.8	4.2	5	6.1	6.6		4.6	5	6.3	52
54	2.5	2.9	4.1	4.9	3.3	4.1	5.2	5.6		4	4.4	5.7	54
56					2.6	3.2	4.2	4.7		3.3	3.8	5	56
58					1.9	2.6	3.5	3.9		2.7	3.1	4.3	58
60										2	2.4	3.5	60
62										1.5	1.8	2.8	62

Reeving		6				5				4				Reeving
Hook		70t												Hook
Telescoping mode	I	3	3	1	1	3	3	2	1		3	3	1	I
	II	3	3	3	1	3	3	2	2		3	3	3	II
	III	3	2	3	3	3	2	2	3		3	3	3	III
	IV	2	2	2	3	3	2	3	3		3	2	3	IV
	V	2	2	2	3	2	2	3	3		3	2	3	V
	VI	2	2	3	3	2	3	3	3		2	3	3	VI
	VII	2	3	3	3	2	3	3	3		2	3	3	VII

Lifting Capacity Chart

Main boom + superlift

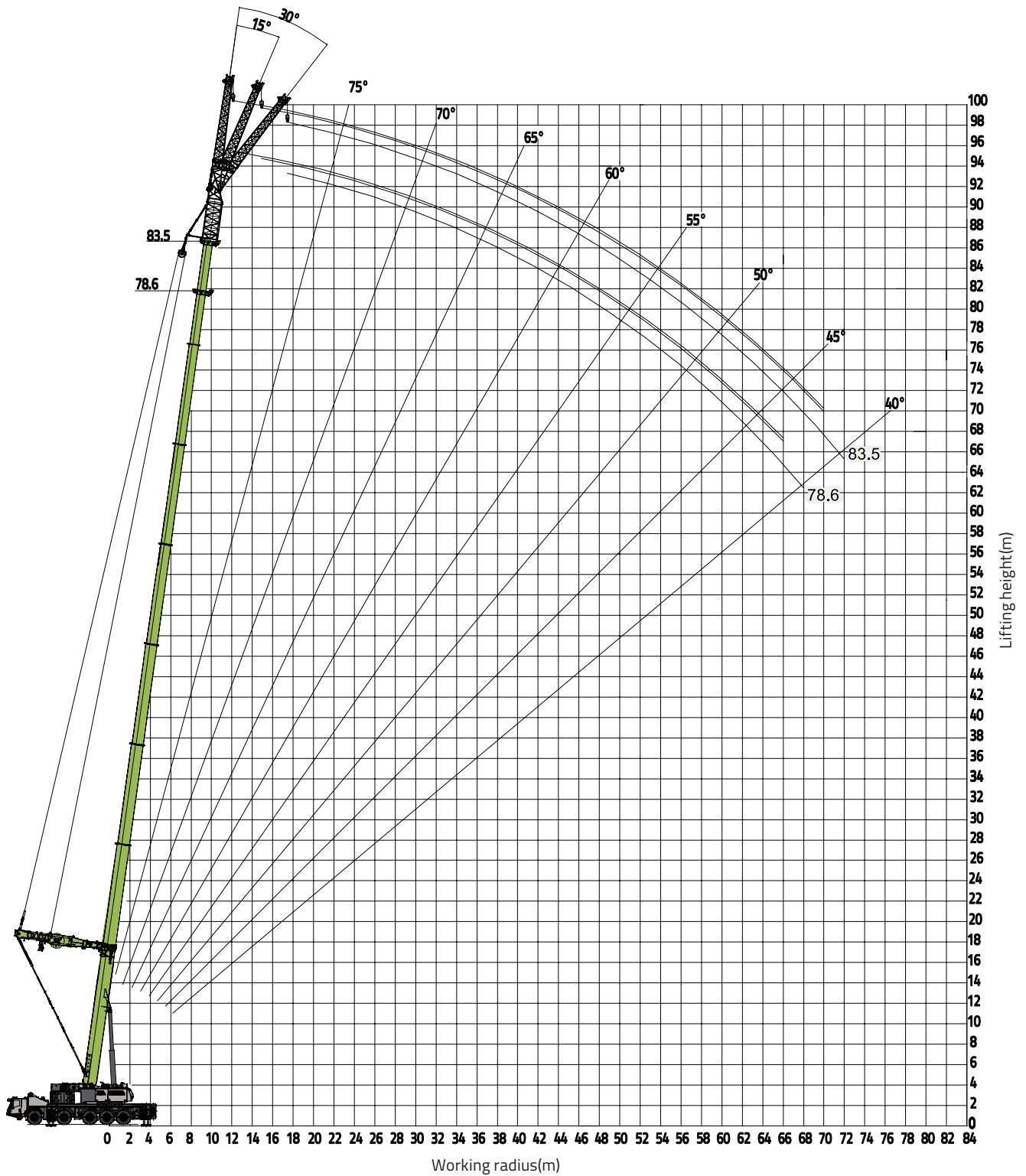


Unit: ton

m	78.6m			83.5m			88m			90m			m				
	★			★			★			★							
14	26	25	24										14				
16	25.5	24.5	24										16				
18	25	24.5	24										18				
20	24.8	24.5	23.5										20				
22	23.5	23.7	23										22				
24	21	21.3	22										24				
26	19	19.3	20										26				
28	17.2	17.5	18.2										28				
30	15.6	15.9	16.6										30				
32	14.2	14.5	15.1										32				
34	13	13.3	14										34				
36	11.9	12.1	12.8										36				
38	10.8	11	11.7										38				
40	9.8	10.1	10.8										40				
42	9	9.3	9.9										42				
44	8.2	8.4	9.1										44				
46	7.3	7.6	8.3										46				
48	6.4	6.7	7.4										48				
50	5.7	6	6.7										50				
52	5.1	5.4	6										52				
54	4.5	4.8	5.4										54				
56	4	4.2	4.8										56				
58	3.4	3.7	4.3										58				
60	2.7	3	3.6										60				
62	2.1	2.4	2.8										62				
64	1.6	1.8	2.2										64				
66													66				
68													68				
Reeving	3				3				2				2			Reeving	
Hook	25t												Hook				
Telescoping mode	I	3	3	2				3				3			4	I	Telescoping mode
	II	3	3	3				3				3			4	II	
	III	3	3	3				3				4			4	III	
	IV	3	2	3				3				4			4	IV	
	V	3	3	3				3				4			4	V	
	VI	3	3	3				3				3			3	VI	
	VII	2	3	3				3				3			3	VII	

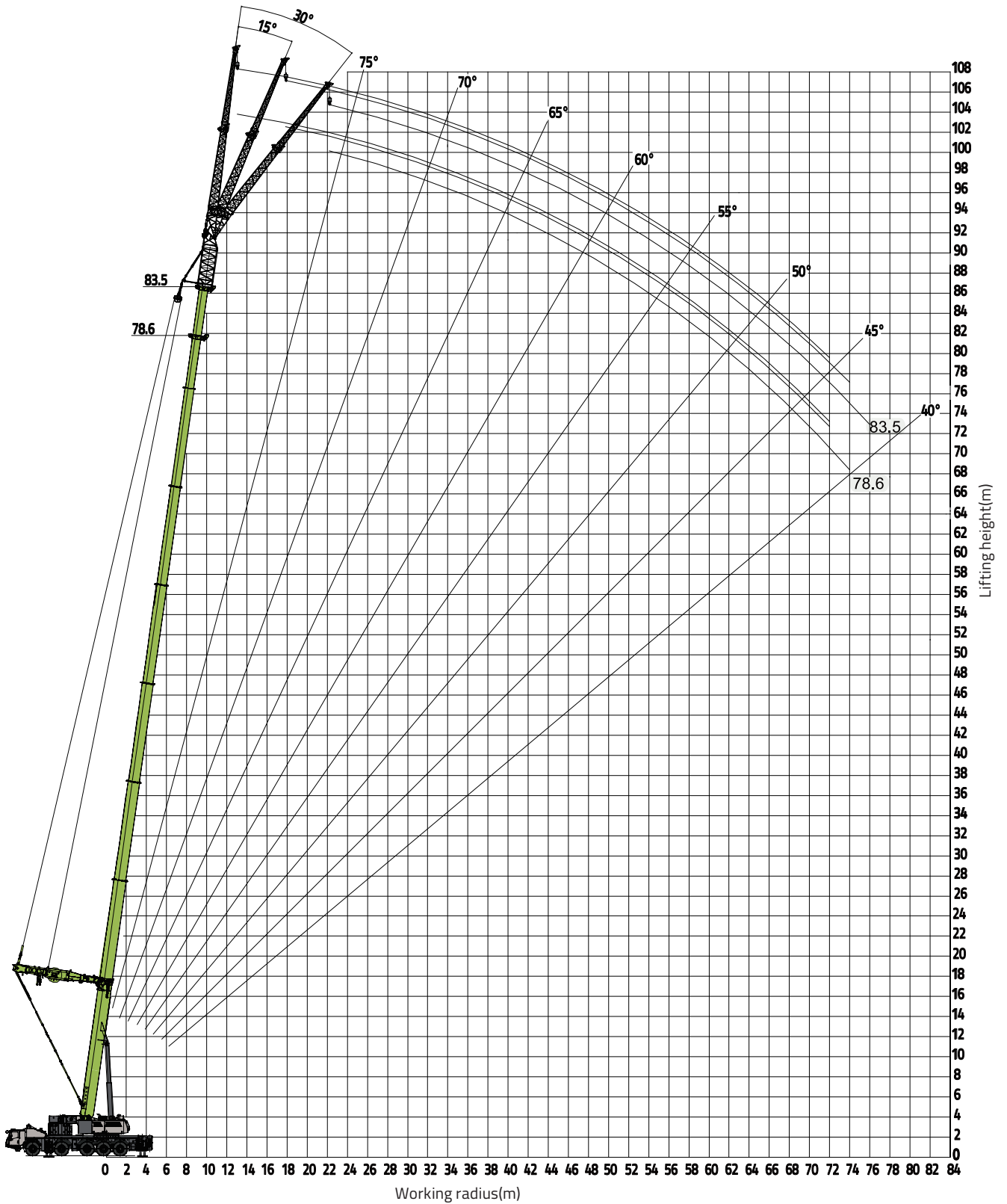
Lifting Height Chart

Main boom + superlift + 4m A-frame + 12m jib OM



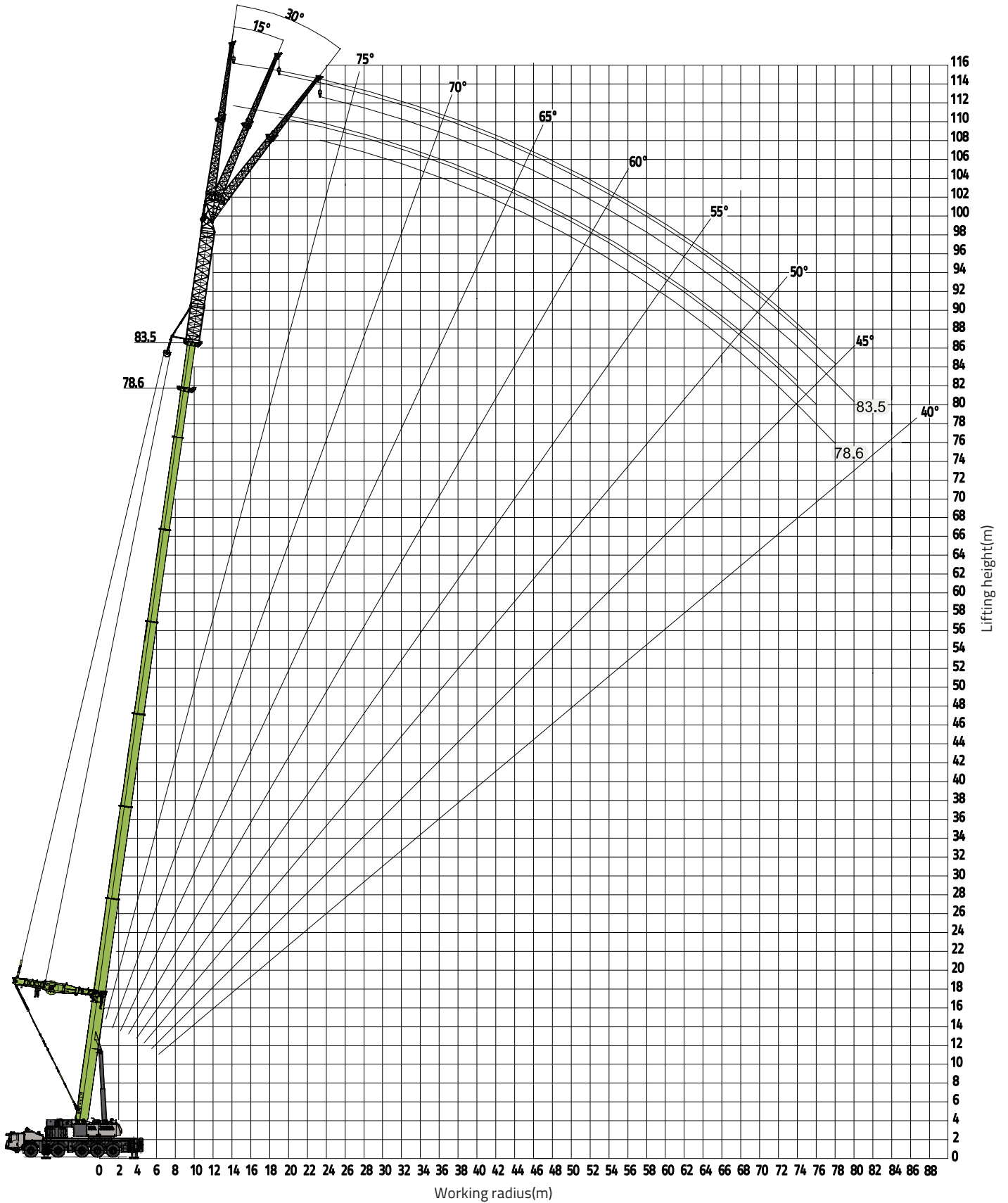
Lifting Height Chart

Main boom + superlift + 4m A-frame + 20m jib OM



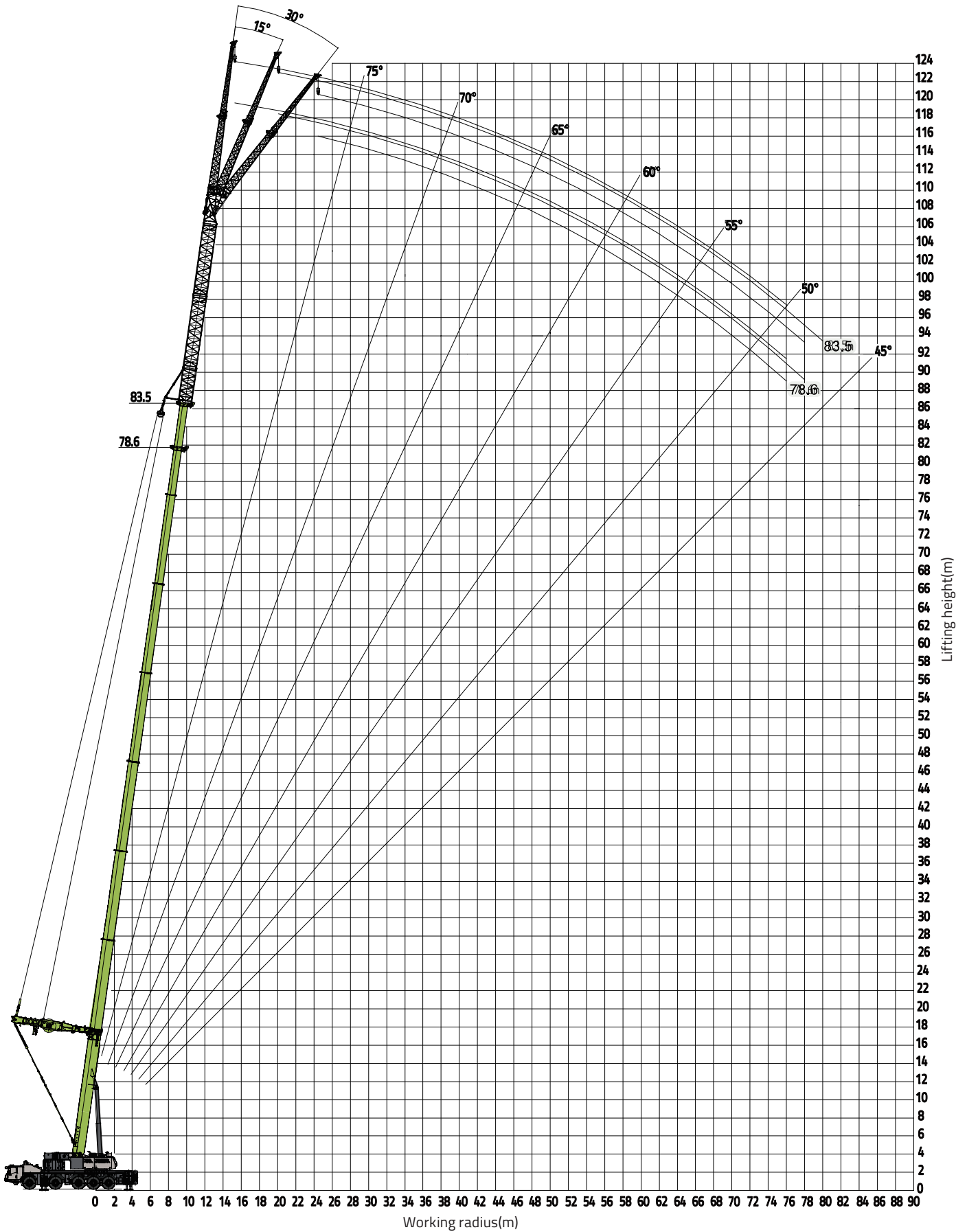
Lifting Height Chart

Main boom + superlift + 4m A-frame + 28m jib OM



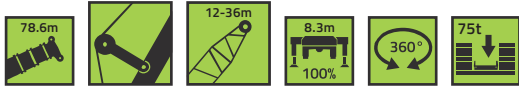
Lifting Height Chart

Main boom + superlift + 4m A-frame + 36m jib OM



Lifting Capacity Chart

Main boom (78.6m) + superlift + jib



Unit: ton

Main boom (78.6m) + A-frame (4m), Superlift + Jib (m) + Offset (°)

Jib (m)	12m			20m			28m			36m			Jib (m)
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	
12													12
14	10												14
16	10	8.4											16
18	10	8.4	7	7									18
20	10	8.4	7	6.8	5.2								20
22	9.8	8.3	7	6.6	5.2	4	7.0			4.2			22
24	9.5	8.1	7	6.4	5	4	7.0			4.2			24
26	9.2	7.8	6.8	6.2	4.9	4	6.8	5.4		4.0			26
28	9	7.7	6.8	6	4.8	3.8	6.8	5.2		4.0	2.9		28
30	8.7	7.4	6.5	5.8	4.6	3.8	6.6	5.2	4.3	3.8	2.9		30
32	8.5	7.4	6.5	5.6	4.5	3.8	6.6	5.0	4.3	3.8	2.9		32
34	8.2	7.1	6.5	5.5	4.5	3.8	6.4	5.0	4.3	3.6	2.7	2.2	34
36	8.2	7.1	6.3	5.4	4.4	3.8	6.2	5.0	4.3	3.6	2.7	2.2	36
38	8	6.9	6.3	5.2	4.4	3.7	6.0	5.0	4.3	3.4	2.5	2.0	38
40	7.8	6.9	6.3	5.1	4.3	3.6	5.8	5.0	4.3	3.2	2.5	2.0	40
42	7.5	6.6	6	5	4.1	3.5	5.6	4.8	4.1	3.0	2.5	2.0	42
44	7.1	6.3	5.8	4.7	4	3.4	5.4	4.6	4.0	2.8	2.3	2.0	44
46	6.8	6	5.6	4.6	3.9	3.4	5.2	4.5	4.0	2.8	2.3	1.9	46
48	6.5	6	5.4	4.4	3.8	3.3	5.2	4.4	3.8	2.6	2.3	1.9	48
50	5.8	5.7	5.2	4.2	3.7	3.2	5.0	4.2	3.8	2.6	2.1	1.7	50
52	5.2	5.3	4.9	4.1	3.6	3.2	4.8	4.2	3.7	2.4	2.1	1.7	52
54	4.5	4.8	4.7	3.9	3.5	3.1	4.6	4.0	3.7	2.4	2.1	1.7	54
56	4	4.2	4.3	3.7	3.4	3.1	4.4	4.0	3.7	2.4	1.9	1.7	56
58	3.5	3.7	3.8	3.5	3.3	3	4.1	3.8	3.7	2.3	1.9	1.5	58
60	3	3.2	3.3	3.4	3.1	2.8	3.8	3.8	3.7	2.3	1.9	1.5	60
62	2.6	2.7	2.8	3.2	3	2.8	3.3	3.6	3.5	2.2	1.7	1.5	62
64	2.2	2.3	2.4	2.7	2.8	2.7	3.0	3.4	3.5	2.2	1.7	1.5	64
66	1.8	1.9	2	2.3	2.7	2.5	2.7	3.0	3.2	2.0	1.7	1.5	66
68			1.7	1.9	2.3	2.5	2.4	2.8	3.1	1.9	1.6	1.5	68
70				1.6	1.9	2.1	2.0	2.4	2.8	1.9	1.6	1.3	70
72				1.3	1.5	1.8	1.7	2.0	2.4	1.7	1.4	1.3	72
74						1.4	1.3	1.6	2.1	1.6	1.4	1.3	74
76								1.3	1.7	1.3	1.3	1.3	76
78									1.4		1.3		78
80													80

Note:

Telescoping combination of 78.6 m boom length: 3333332

Telescoping combination of 83.5 m boom length: 3333333

A-frame, superlift: 4 m

12 m jib: [Adaptor I + adaptor II + jib section I](#)

20 m jib: [Adaptor I + adaptor II + jib section I + jib section II](#)

28 m jib: [8 m Extension + adaptor I + adaptor II + jib section I + jib section II](#)

36 m jib: [8 m Extension + 8 m extension + adaptor I + adaptor II + jib section I + jib section II](#)

Lifting Capacity Chart

Main boom (83.5m) + superlift + jib



Unit: ton

Main boom (83.5m) + A-frame (4m), Superlift + Jib (m) + Offset (°)

Jib (m)	12m			20m			28m			36m			Jib (m)
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°			
12													12
14													14
16	9.2												16
18	9.2	7.9											18
20	9.2	7.9	6.8	6.5									20
22	9.2	7.9	6.8	6.4	4.9								22
24	9	7.9	6.8	6.3	4.9	3.9							24
26	9	7.7	6.8	6.1	4.8	3.9	6.1			4.0			26
28	8.8	7.7	6.8	6	4.8	3.9	6.1	5.1		4.0			28
30	8.6	7.5	6.6	5.7	4.6	3.8	5.9	5.1		3.8	2.7		30
32	8.4	7.3	6.5	5.6	4.5	3.8	5.9	5.1	4.2	3.8	2.7		32
34	8.2	7.3	6.5	5.4	4.5	3.8	5.7	5.1	4.2	3.6	2.7		34
36	8.2	7.1	6.3	5.4	4.5	3.8	5.7	5.1	4.2	3.6	2.7	2.0	36
38	8	7.1	6.3	5.2	4.4	3.6	5.7	5.1	4.2	3.4	2.5	2.0	38
40	7.8	6.9	6.3	5.2	4.2	3.6	5.7	4.9	4.2	3.2	2.5	2.0	40
42	7.6	6.7	6.1	5	4.2	3.6	5.7	4.7	4.2	3.2	2.5	2.0	42
44	7.4	6.5	5.9	4.8	4.0	3.4	5.5	4.5	4.2	3.0	2.3	2.0	44
46	7.1	6.3	5.8	4.6	4.0	3.4	5.3	4.5	4.2	3.0	2.3	1.8	46
48	6.8	6.1	5.5	4.4	3.9	3.4	5.3	4.3	4.0	2.8	2.3	1.8	48
50	6.2	5.9	5.3	4.3	3.7	3.2	5.1	4.3	3.8	2.8	2.1	1.8	50
52	5.5	5.7	5.1	4.1	3.6	3.2	4.9	4.1	3.8	2.6	2.1	1.8	52
54	4.9	5.2	4.9	4	3.5	3.2	4.9	4.1	3.6	2.6	2.1	1.6	54
56	4.3	4.5	4.7	3.8	3.4	3.0	4.7	3.9	3.6	2.4	1.9	1.6	56
58	3.8	4	4.2	3.6	3.2	3.0	4.5	3.9	3.4	2.4	1.9	1.6	58
60	3.3	3.5	3.7	3.5	3.2	2.8	4.3	3.7	3.4	2.4	1.9	1.6	60
62	2.9	3	3.2	3.3	3.0	2.8	3.8	3.7	3.2	2.2	1.9	1.6	62
64	2.5	2.6	2.7	2.9	3.0	2.8	3.3	3.7	3.2	2.1	1.7	1.6	64
66	2.1	2.2	2.3	2.5	2.8	2.6	2.9	3.5	3.1	2.1	1.7	1.3	66
68	1.7	1.8	2	2.2	2.5	2.5	2.6	3.0	3.1	1.9	1.7	1.3	68
70	1.4	1.4	1.7	1.9	2.1	2.3	2.2	2.6	3.0	1.9	1.7	1.3	70
72			1.3	1.6	1.9	2.0	2.0	2.3	2.6	1.9	1.7	1.3	72
74				1.5	1.7	1.7	1.7	2.0	2.4	1.7	1.5	1.3	74
76					1.4	1.3	1.7	2.0	1.4	1.5	1.3		76
78							1.4	1.6		1.5	1.3		78
80								1.3			1.3		80

Note:

Telescoping combination of 78.6 m boom length: 3333332

Telescoping combination of 83.5 m boom length: 3333333

A-frame, superlift: 4 m

12 m jib: [Adaptor I + adaptor II + jib section I](#)

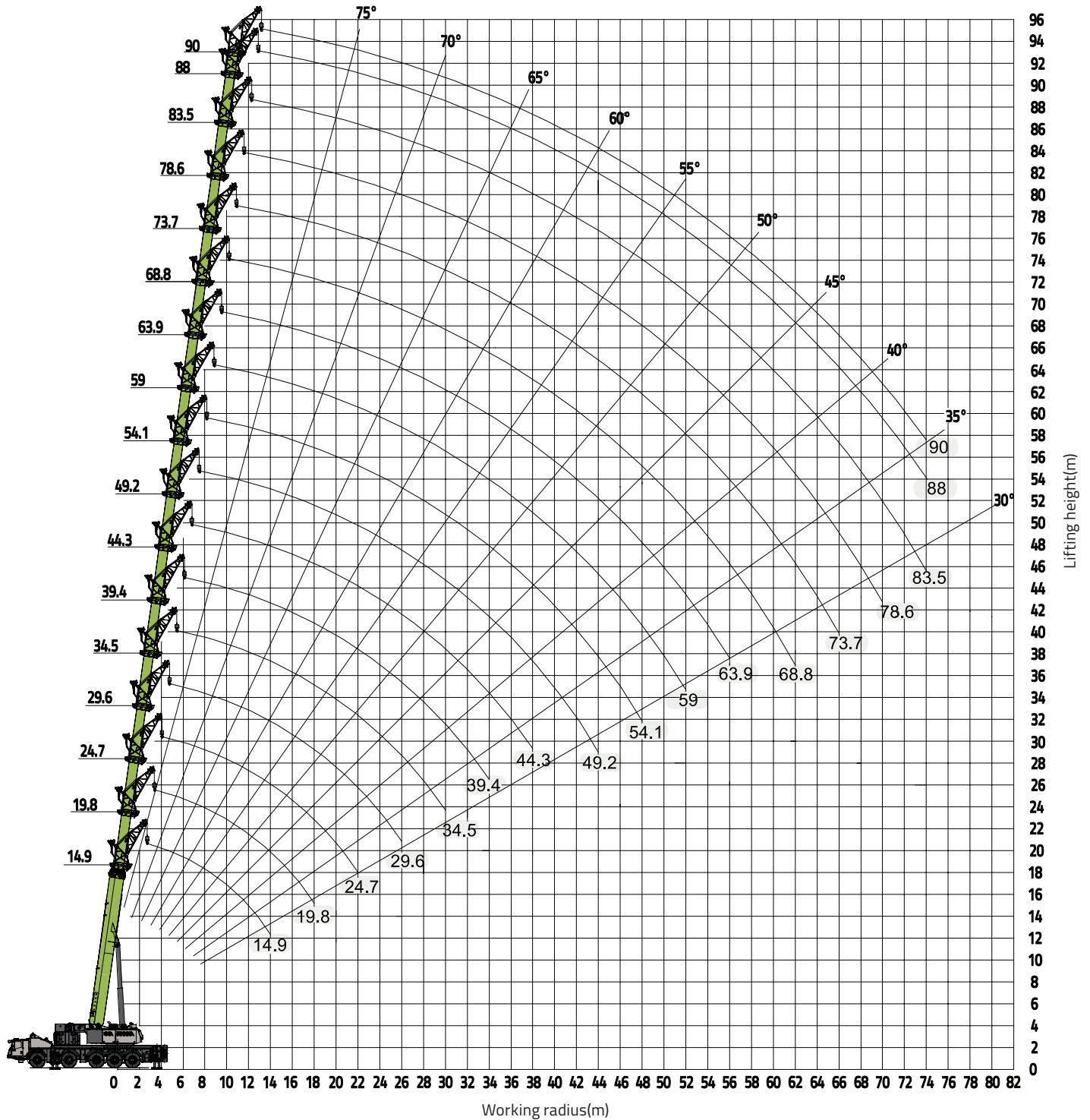
20 m jib: [Adaptor I + adaptor II + jib section I + jib section II](#)

28 m jib: [8 m Extension + adaptor I + adaptor II + jib section I + jib section II](#)

36 m jib: [8 m Extension + 8 m extension + adaptor I + adaptor II + jib section I + jib section II](#)

Lifting Height Chart

Main boom + 4.5m tip boom OM





Lifting Capacity Chart

Main boom + tip boom

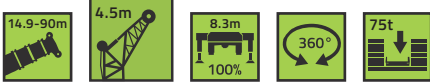


Unit: ton



 m	14.9m		19.8m					24.7m					 m		
	★		★					★							
3														3	
3.5	36													3.5	
4	36		36	36	36	28.5								4	
4.5	35		36	36	36	27								4.5	
5	34		36	36	36	26		36	36	36	36	15.9		5	
6	32		35	34	34	24		36	36	35.5	35.5	14.5		6	
7	30		34	32.5	32.5	22.5		36	35.5	34.3	34.3	13.3		7	
8	29		32.5	31.5	31.5	21		35.2	34.1	33	33	12.3		8	
9	28		31	30	30	20		34	32.8	31.8	31.8	11.4		9	
10	27		30	29	29.5	19		32.8	31.8	30.8	30.6	10.7		10	
12	25		28	27	27	17		30.8	29.8	28.9	28.8	9.4		12	
14	24		26.5	25.5	25.5	15.5		29.2	28.3	27.4	27.3	8.4		14	
16			25.5	24.5	24.5	14.5		27.8	27	26.1	26	7.5		16	
18			24.5	23.5	23.5	13.5		26.7	26	25.1	25	6.8		18	
20								25.8	25	24.3	24.2	6.3		20	
22								23.6	24.3	23.7	23.6	5.8		22	
24														24	
26														26	
Reeving	4		4						4					Reeving	
Hook	70t														Hook
Telescoping mode	I	1		1	1	1	1		2	1	1	1	1	I	Telescoping mode
	II	1		2	1	1	1		2	2	1	1	1	II	
	III	1		1	2	1	1		1	2	2	1	1	III	
	IV	1		1	1	2	1		1	1	2	2	1	IV	
	V	1		1	1	1	1		1	1	1	2	1	V	
	VI	1		1	1	1	1		1	1	1	1	1	VI	
	VII	1		1	1	1	2		1	1	1	1	3	VII	

Lifting Capacity Chart

Main boom + tip boom



Unit: ton

 m	29.6m						34.5m						 m	
	★						★							
4.5													4.5	
5													5	
6	36	36	36	36	15.3								6	
7	36	36	35.4	35.1	14.2		36	36	36	25.4	14.8		7	
8	36	35.3	34.2	34	13.2		36	36	34.8	24.2	13.9		8	
9	35	34.2	33	32.8	12.4		36	35	33.8	23.2	13		9	
10	34.2	33.1	32	31.8	11.6		35.2	34	32.8	22	12.3		10	
12	32.2	31.2	30	30	10.3		33.2	32.2	31.1	20.2	11		12	
14	30.5	29.7	28.7	27.8	9.3		31.8	30.8	29.6	18.8	9.8		14	
16	29.3	28.3	27.4	25.2	8.5		30.5	29.5	27.5	17.5	8.8		16	
18	28.1	27.2	26.3	23	7.6		29.2	28.2	25.2	16.5	7.9		18	
20	26.6	26.2	25.4	21	7.1		28.2	27.2	23.2	15.5	7.2		20	
22	22.5	24.8	24	19.5	6.6		23	24.3	21.5	14.7	6.5		22	
24	19.4	20.7	21.5	18.1	6.2		29.8	21.2	20.1	14	6		24	
26	16.8	18.1	19	17	5.7		17.2	18.5	18.8	13.3	5.5		26	
28							15.1	16.3	17.8	12.7	5.1		28	
30							13.2	14.5	15.7	12	4.7		30	
32													32	
Reeving	4						4						Reeving	
Hook	70t												Hook	
Telescoping mode	I	2	1	1	1	1			2	1	1	1	1	I
	II	2	2	1	1	1			2	2	1	1	1	II
	III	2	2	2	1	1			2	2	2	1	1	III
	IV	1	2	2	2	1			2	2	2	2	1	IV
	V	1	1	2	2	1			1	2	2	2	1	V
	VI	1	1	1	2	2			1	1	2	2	3	VI
	VII	1	1	1	1	3			1	1	1	2	3	VII

Lifting Capacity Chart

Main boom + tip boom



Unit: ton



m	39.4m						44.3m						m		
	★						★								
7													7		
8	36	36	25	14.7	14.5								8		
9	36	35.5	23.8	13.9	13.6								9		
10	35.5	34.7	23	13.1	12.8			36	24.3	13.7	13.3		10		
12	34.3	33.1	21.2	11.8	11.6			34.6	22.6	12.5	12.1		12		
14	32.7	31.5	19.8	10.8	10.2			33.2	21.1	11.4	11		14		
16	31.4	30.2	18.6	9.8	9			31.8	29.8	10.5	9.8		16		
18	30.2	28	17.5	9.1	8.2			30.4	18.7	9.7	9		18		
20	28.5	26	16.4	8.5	7.4			27.8	17.8	9.1	8.1		20		
22	23.5	24.2	15.5	8	6.8			24.3	16.9	8.5	7.4		22		
24	20.4	22.2	14.8	7.5	6.2			21.1	16.1	8	6.8		24		
26	17.9	19.2	14.2	7	5.6			18.5	15.4	7.5	6.3		26		
28	15.7	17.1	13.6	6.6	5.2			16.2	14.8	7.2	5.8		28		
30	13.8	15.2	13.1	6.3	4.8			14.5	14.2	6.8	5.4		30		
32	12.3	13.6	12.5	6	4.5			12.8	13.7	6.4	5		32		
34	10.8	12.3	11.8	5.6	4.2			11.5	12.8	6.2	4.7		34		
36								10.3	12.4	5.9	4.5		36		
38								9.2	11.3	5.6	4.1		38		
Reeving	4						4						Reeving		
Hook	70t												Hook		
Telescoping mode	I	2	1	1	1	1				2	1	1	1	I	Telescoping mode
	II	2	2	1	1	1				2	2	1	1	II	
	III	2	2	2	1	1				2	2	2	1	III	
	IV	2	2	2	2	1				2	2	2	1	IV	
	V	2	2	2	2	2				2	2	2	3	V	
	VI	1	2	2	2	3				2	2	2	3	VI	
	VII	1	1	2	3	3				1	2	3	3	VII	

Lifting Capacity Chart

Main boom + tip boom



Unit: ton



	49.2m				54.1m				59m					
	★				★				★					
12	23.7	23.6	13.4	12.4	24.5	14.1	14.1	12.7					12	
14	22.3	22.2	12.3	11.5	23.2	13	13	11.8	23	14.1	13.4	12.4	14	
16	21	21	11.3	10.5	21.9	12.2	12.2	10.9	21.8	13.1	12.4	11.5	16	
18	20	19.8	10.6	9.6	20.9	11.4	11.3	10	20.9	12.4	11.4	10.6	18	
20	18.9	18.6	9.9	8.7	19.8	10.7	10.7	9.2	19.8	11.6	10.6	9.7	20	
22	18.1	17	9.3	8	19	10.1	10.1	8.5	18.4	11	9.8	9	22	
24	17.3	15.5	8.8	7.4	18.2	9.5	9.5	8	17	10.4	9.1	8.5	24	
26	16.6	14.2	8.3	6.8	17.4	9	9	7.4	15.8	9.9	8.5	8	26	
28	16	13.1	7.9	6.4	16.2	8.5	8.5	6.9	14.7	9.5	8	7.4	28	
30	15.3	11.7	7.4	6	14.5	8.1	7.1	6.4	13.6	9	7.5	7	30	
32	13.6	11.3	7.1	5.6	13	7.8	7.8	6.1	12.6	8.7	7.1	6.5	32	
34	12.2	10.5	6.8	5.2	11.6	7.4	7.4	5.7	11.7	8.4	6.7	6.1	34	
36	11	9.7	6.5	4.9	10.4	7.2	7.2	5.3	10.4	8	6.3	5.7	36	
38	10	9	6.2	4.6	9.3	6.8	6.8	5	9.2	7.7	6	5.3	38	
40	9	8.5	6	4.4	8.4	6.6	6.6	4.7	8.2	7.4	5.6	5.1	40	
42	8.1	7.9	5.8	4.1	7.6	6.4	6.3	4.4	7.4	7.2	5.4	4.7	42	
44	7.3	7.2	5.5	3.9	6.8	6.2	6.2	4.1	6.6	6.9	5.1	4.5	44	
46					6	6	5.9	3.9	5.9	6.4	4.9	4.2	46	
48					5.4	5.7	5.7	3.7	5.2	5.8	4.6	4	48	
50									4.7	5.2	4.5	3.8	50	
52									4.1	4.7	4.2	3.5	52	
Reeving	3				3				3				Reeving	
Hook	25t												Hook	
Telescoping mode	I	2	1	1	1	3	2	1	1	3	3	1	1	I
	II	2	3	2	1	2	2	3	1	3	2	3	1	II
	III	2	2	2	1	2	2	2	1	2	2	2	2	III
	IV	2	2	2	2	2	2	2	3	2	2	2	3	IV
	V	2	2	2	3	2	2	2	3	2	2	2	3	V
	VI	2	2	2	3	2	2	2	3	2	2	3	3	VI
	VII	2	2	3	3	2	3	3	3	2	3	3	3	VII

Lifting Capacity Chart

Main boom + tip boom



Unit: ton



 m	63.9m				68.8m					73.7m				 m	
	★				★					★					
16	21.2	12.9	12.3	11.3										16	
18	19.6	12.1	11.6	10.7	17.9	12	11.5	11.1						18	
20	18.1	11.4	10.7	9.9	16.5	11.3	10.9	10.5		15.1	11.4	10.9		20	
22	16.7	10.8	10.1	9.3	15.3	10.7	10.2	9.8		14.1	10.7	10.3		22	
24	15.5	10.3	9.4	8.7	14.2	10	9.6	9.2		13.2	10	9.7		24	
26	14.3	9.8	8.8	8.2	13.2	9.4	9	8.7		12.4	9.6	9.2		26	
28	13.3	9.4	8.3	7.7	12.3	8.9	8.5	8.2		11.5	9.1	8.7		28	
30	12.4	9	7.8	7.3	11.4	8.4	8	7.8		10.7	8.6	8.3		30	
32	11.6	8.6	7.3	6.8	10.7	8	7.6	7.3		10	8.2	7.8		32	
34	10.8	8.3	7	6.4	9.9	7.5	7.3	7		9.3	7.8	7.3		34	
36	10.1	8	6.6	6	9.3	7.1	6.9	6.6		8.7	7.4	6.9		36	
38	9.3	7.6	6.2	5.6	8.7	6.8	6.6	6.2		8.1	7.1	6.6		38	
40	8.2	7.4	5.9	5.3	8.1	6.4	6.2	5.8		7.6	6.8	6.2		40	
42	7.4	7.1	5.6	5.1	7.6	6.2	6	5.5		7.1	6.4	5.9		42	
44	6.6	6.8	5.4	4.7	7	5.9	5.6	5.2		6.6	6.2	5.5		44	
46	6	6.3	5.1	4.5	6.2	5.6	5.4	5		6.2	5.9	5.1		46	
48	5.2	5.8	4.9	4.2	5.5	5.4	5.1	4.6		5.8	5.6	4.8		48	
50	4.7	5.2	4.7	4	4.9	5.1	4.8	4.5		5	5.5	4.5		50	
52	4.1	4.7	4.5	3.8	4.4	5	4.6	4.2		4.6	4.9	4.1		52	
54	3.6	4.1	4.3	3.6	3.8	4.3	4.4	4		4.1	4.5	3.9		54	
56	3.2	3.6	4.1	3.4	3.4	4	4.1	3.8		3.6	4	3.6		56	
58					2.9	3.6	3.9	3.6		3.2	3.6	3.4		58	
60					2.5	3.2	3.8	3.4		2.8	3.2	3.1		60	
62					2.1	2.8	3.5	3.1		2.4	2.8	2.9		62	
64										2	2.5	2.7		64	
66										1.7	2.1	2.4		66	
Reeving	3				2					2				Reeving	
Hook	25t														Hook
Telescoping mode	I	3	3	1	1	3	3	2	1		3	3	1	I	Telescoping mode
	II	3	3	3	1	3	3	2	2		3	3	3	II	
	III	3	2	3	3	3	2	2	3		3	3	3	III	
	IV	2	2	2	3	3	2	3	3		3	2	3	IV	
	V	2	2	2	3	2	2	3	3		3	2	3	V	
	VI	2	2	3	3	2	3	3	3		2	3	3	VI	
	VII	2	3	3	3	2	3	3	3		2	3	3	VII	

Lifting Capacity Chart

Main boom + tip boom



Unit: ton

	78.6m			83.5m			88m			90m				
	★						★					★		
22	12.2	10.7	10.6										22	
24	11.7	10.2	10.1				10.1						24	
26	11	9.6	9.6				9.6			9.2			26	
28	10.4	9.1	9				9.2			8.8		8.8	28	
30	9.7	8.7	8.6				8.8			8.4		8.4	30	
32	9.2	8.3	8.2				8.3			7.9		7.9	32	
34	8.7	7.9	7.7				7.9			7.4		7.4	34	
36	8.2	7.4	7.3				7.4			7		7.1	36	
38	7.8	7	6.9				7			6.6		6.7	38	
40	7.3	6.7	6.5				6.7			6.2		6.2	40	
42	6.8	6.3	6.2				6.3			5.8		5.9	42	
44	6.3	6	5.9				6			5.5		5.6	44	
46	5.9	5.7	5.6				5.6			5.2		5.2	46	
48	5.6	5.4	5.2				5.4			4.9		5	48	
50	5.2	5.1	4.9				5.1			4.6		4.7	50	
52	4.9	4.9	4.5				4.8			4.4		4.4	52	
54	4.5	4.6	4.2				4.5			4.1		4.1	54	
56	3.9	4.2	4				4.2			3.9		3.9	56	
58	3.6	3.9	3.7				4			3.6		3.7	58	
60	3.2	3.5	3.4				3.7			3.4		3.5	60	
62	2.8	3.1	3.2				3.2			3.3		3.2	62	
64	2.4	2.7	3				2.8			3		2.9	64	
66	2.1	2.4	2.8				2.5			2.6		2.7	66	
68	1.8	2	2.5				2.2			2.4		2.3	68	
70	1.5	1.8	2.1				1.9			2		2	70	
72							1.6			1.8		1.6	72	
74							1.3			1.5		1.4	74	
Reeving	2						2			2			2	Reeving
Hook	25t												Hook	
Telescoping mode	I	3	3	2			3			3			4	I
	II	3	3	3			3			3			4	II
	III	3	3	3			3			4			4	III
	IV	3	2	3			3			4			4	IV
	V	3	3	3			3			4			4	V
	VI	3	3	3			3			4			4	VI
	VII	2	3	3			3			4			4	VII

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