

ZOOMLION CRAWLER CRANE ZCC3500V-2E5



ZOOMLION

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VISION CREATES FUTURE

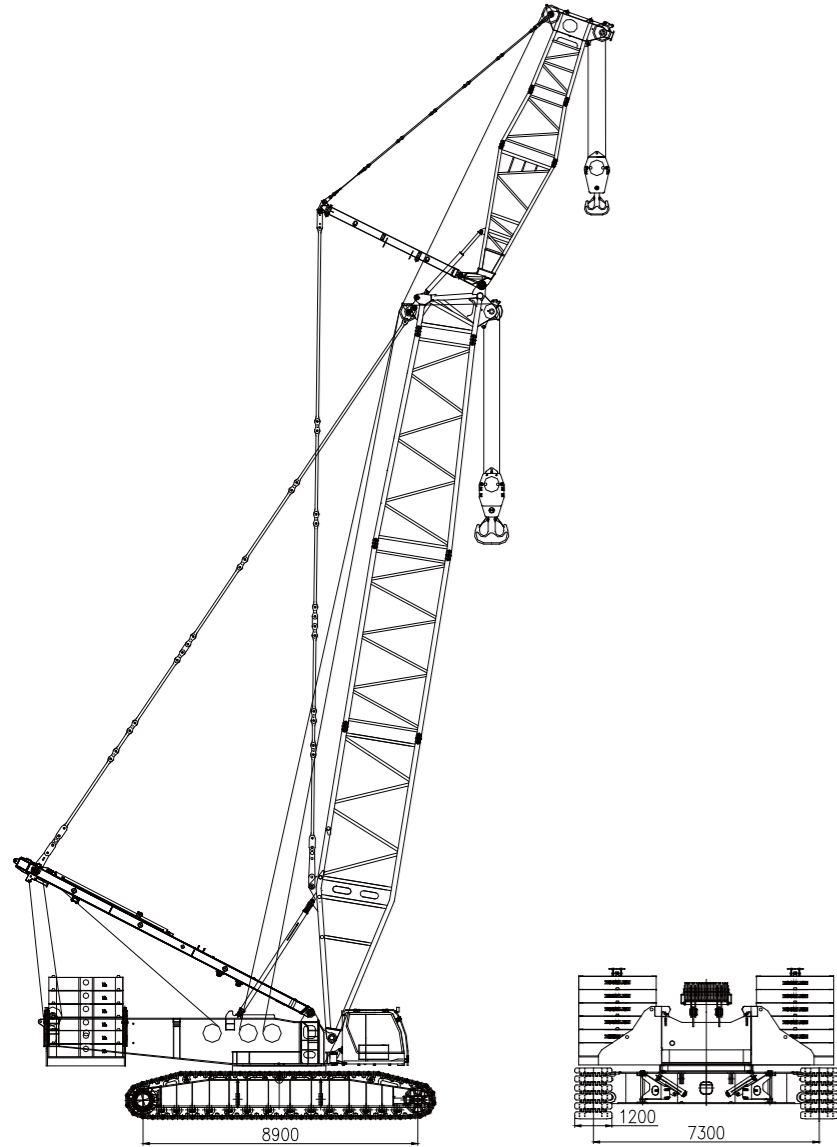
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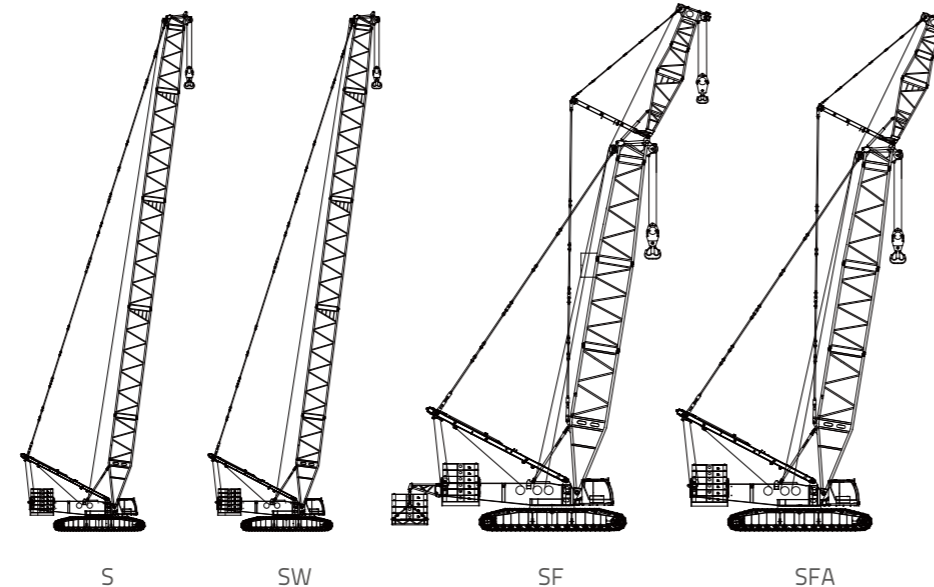
OVERALL DESCRIPTION

Overall dimension of the basic machine



DESCRIPTION ON BOOM COMBINATION

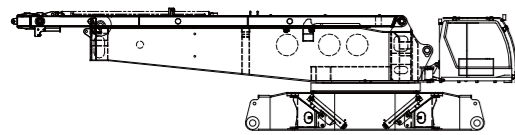
Code	Operating mode	Combinations
S	Heavy main boom	S=24m-84m
SW	Luffing jib on main boom	S=30m-60m W=24m-60m
SF	Fixed jib on main boom (for shield tunneling machine)	S=24m F=9 m/12m
SFA	Fixed jib on main boom, (for shield tunneling machine with attached counterweight)	S=24m F=9 m/12m



MAJOR TECHNICAL PARAMETERS

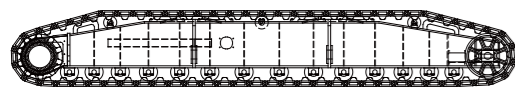
Item	Parameters	
Max. lifting capacity (t) / radius(m) / boom length(m)	350 / 7/24	
Max. load moment (t.m) (standardOM)	2450	
Max. load moment (t.m) (attached counterweight OM)	2790	
Main boom length (m)	24-84	
Luffing jib length (m)	24-60	
Max. lifting capacity of luffing jib (t)	150	
Main boom angle of SW (°)	65-85	
Main boom length of SW (m)	30-60	
Max. length of main boom + luffing jib of SW (m)	60+60	
TBM (m)	24+9/24+12	
Speed of a single rope	Hoisting winch 1 (m/min)	0-140
	Hoisting winch 2 (m/min)	0-130
	Main boom derricking winch (m/min)	0-40×2
	Luffing jib derricking winch (m/min)	0-130
Max. slewing speed (rpm)	0-1.0	
Max. crawling speed (km/h)	0-1.0	
Gradeability (%)	30	
Ground pressure with main boom (MPa)	0.146	
Total weight with main boom (t)	305	
Max transport weight of a single component (t)	49 (without A-frame and winch)	
Engine	Manufacturer / model	Commins/X12
	Rated power / rotational speed (kW/rpm)	336/1800
	Max. output torque / rotational speed (Nm/rpm)	2169/1400
	Exhaust emission	EU Stage5

TRANSPORT DIMENSIONS AND WEIGHTS OF MAJOR COMPONENTS

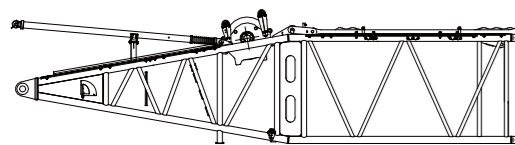


Basic machine	1 piece
Length(L)	13700mm
Width (W)	3000 mm
Height (H)	3200 mm
Weight	49.6 t

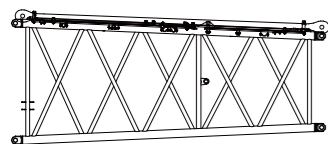
This weights of the hoisting mechanism, the A-frame and the derricking winch



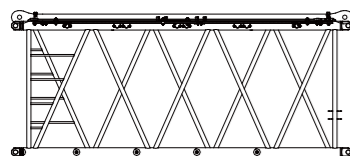
Track assy	2 pieces
Length(L)	10108 mm
Width (W)	1200 mm
Height (H)	1550 mm
Weight	24 t



Main boom pivot section (including the winch)	1 piece
Length(L)	11230 mm
Width (W)	2960 mm
Height (H)	2660 mm
Weight	8.50 t

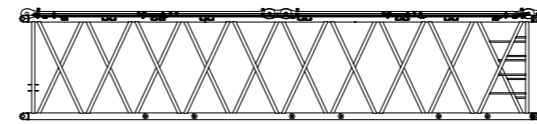


Main boom intermediate section	1 piece
Length(L)	6230 mm
Width (W)	2960 mm
Height (H)	2460 mm
Weight	1.90 t

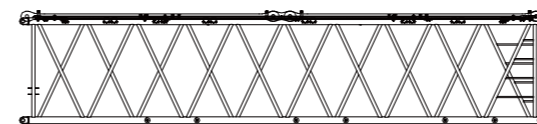


6m heavy main boom intermediate section	1 piece
Length(L)	6230 mm
Width (W)	2960 mm
Height (H)	2460 mm
Weight	1.89 t

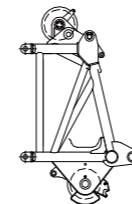
TRANSPORT DIMENSIONS AND WEIGHTS OF MAJOR COMPONENTS



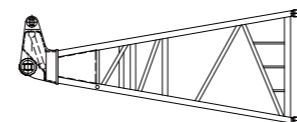
12m heavy main boom intermediate section	2 pieces
Length (L)	12160 mm
Width (W)	2960 mm
Height (H)	2460 mm
Weight	3.6 t



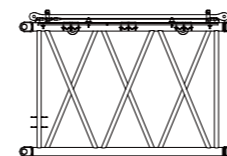
12m main boom intermediate section	1 piece
Length (L)	12160 mm
Width (W)	2960 mm
Height (H)	2460 mm
Weight	3.0 t



Head section	1 piece
Length (L)	3225 mm
Width (W)	1990 mm
Height (H)	2460 mm
Weight	2.6 t

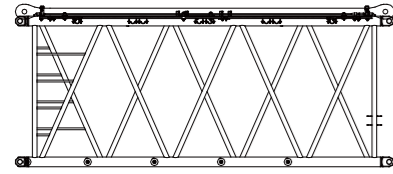


TBM/Luffing jib pivot section	1 piece
Length (L)	4750 mm
Width (W)	2550 mm
Height (H)	1940 mm
Weight	1.6 t

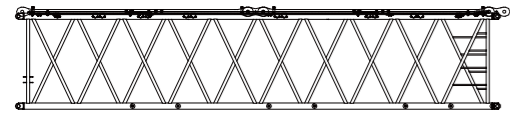


TBM/3m luffing jib intermediate section	1 piece
Length (L)	3140 mm
Width (W)	2440 mm
Height (H)	1940 mm
Weight	0.66 t

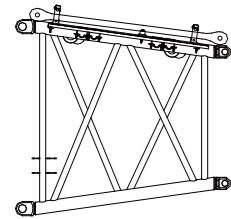
TRANSPORT DIMENSIONS AND WEIGHTS OF MAJOR COMPONENTS



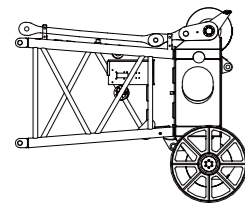
6m luffing jib intermediate section	2 pieces
Length(L)	6140 mm
Width (W)	2440 mm
Height (H)	1940 mm
Weight	1.2 t



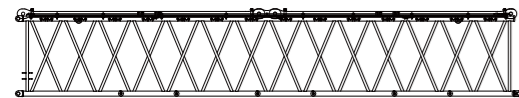
12m luffing jib intermediate section (big section)	2 pieces
Length(L)	12140 mm
Width (W)	2440 mm
Height (H)	1940 mm
Weight	2.1 t



TBM/2m luffing jib reducing section	1 piece
Length(L)	2130 mm
Width (W)	2440 mm
Height (H)	1940mm
Weight	0.5 t

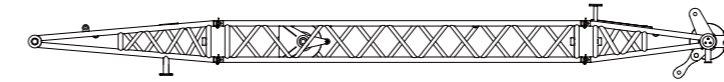


TBM/Luffing jib head	1 piece
Length(L)	2866 mm
Width (W)	1920 mm
Height (H)	2192 mm
Weight	1.2 t

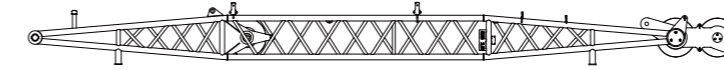


12m luffing jib intermediate section (small section)	1 piece
Length(L)	12120 mm
Width (W)	1920 mm
Height (H)	1420 mm
Weight	1.6 t

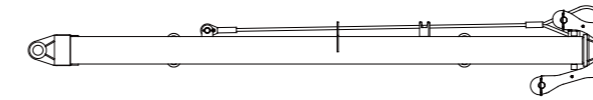
TRANSPORT DIMENSIONS AND WEIGHTS OF MAJOR COMPONENTS



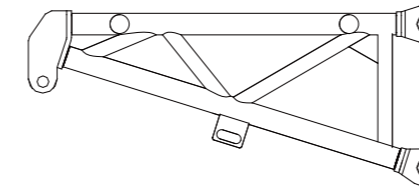
WA-frame I	1 piece
Length (L)	11000mm
Width (W)	2420mm
Height (H)	1170mm
Weight	2.2t



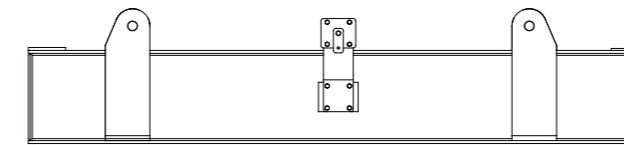
WA-frame II	1 piece
Length (L)	10000mm
Width (W)	2420mm
Height (H)	689mm
Weight	1.98 t



WA-frame, TBM	1 piece
Length (L)	5000mm
Width (W)	2514mm
Height (H)	320mm
Weight	1.0 t

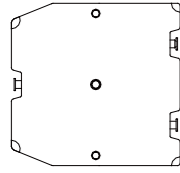


Lifting bracket, attached counterweight	1 piece
Length (L)	2700mm
Width (W)	2000mm
Height (H)	760mm
Weight	0.5 t

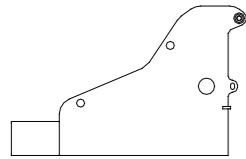


Seat, attached counterweight	1 piece
Length (L)	2760mm
Width (W)	2500mm
Height (H)	480mm
Weight	10 t

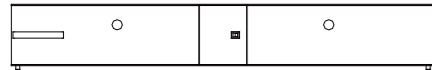
TRANSPORT DIMENSIONS AND WEIGHTS OF MAJOR COMPONENTS



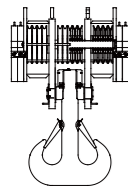
Counterweight plate	12 pieces
Length(L)	2500 mm
Width (W)	2400 mm
Height (H)	485 mm
Weight	10 t



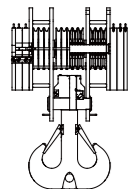
Seat, counterweight	2 pieces
Length(L)	2876 mm
Width (W)	2587 mm
Height (H)	1720 mm
Weight	15 t



Central ballast	2 pieces
Length(L)	5800 mm
Width (W)	1666 mm
Height (H)	810 mm
Weight	20 t

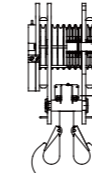


350t load hook	4 pieces
Length(L)	2876 mm
Width (W)	1900 mm
Height (H)	806 mm
Weight	6.7 t

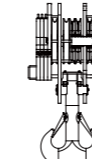


300t load hook	1 piece
Length(L)	2633 mm
Width (W)	1680 mm
Height (H)	806 mm
Weight	5.9 t

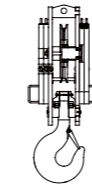
TRANSPORT DIMENSIONS AND WEIGHTS OF MAJOR COMPONENTS



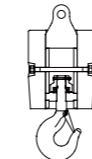
200t load hook	1 piece
Length(L)	2431 mm
Width (W)	1040 mm
Height (H)	806mm
Weight	3.5 t



160t load hook	1 piece
Length(L)	2085 mm
Width (W)	1176 mm
Height (H)	806mm
Weight	3.1 t



50t load hook	1 piece
Length(L)	1835 mm
Width (W)	735 mm
Height (H)	806 mm
Weight	1.6 t



16t load hook	1 piece
Length(L)	1132 mm
Width (W)	480 mm
Height (H)	480 mm
Weight	0.7 t

TECHNICAL DESCRIPTION



Working mechanisms

Primary hoisting mechanism, secondary hoisting mechanism (tip boom hoisting mechanism). A hoisting mechanism is composed of a built-in axial piston variable displacement motor, a balance valve, a reducer, a normally-closed brake and a wire rope, which can be controlled independently. Wire rope is anti-rotation one. Primary hoisting mechanism, secondary hoisting mechanism (derricking of luffing jib) and tip boom hoisting mechanism are able to realize infinitely variable speeds from 0 to the maximum speed, largely improving the working efficiency.

Primary hoisting mechanism	Diameter of drum	620mm
	Speed of the outmost layer	140m/min
	Rope diameter	Φ26mm
	Rope length	800m
	Rated single rope tension	16t

Secondary hoisting mechanism (Tip boom hoisting mechanism)	Diameter of drum	620mm
	Speed of the outmost layer	130m/min
	Rope diameter	Φ26mm
	Rope length	480m
	Rated single rope tension	16t



Derricking mechanism

A derricking mechanism is composed of a built-in axial piston variable displacement motor, a balance valve, a reducer, a normally-closed brake and a wire rope, which can be controlled independently. Wire rope is anti-rotation one.

Main boom derricking mechanism	Diameter of drum	2×620mm
	Speed of the outmost layer	2×40m/min
	Rope diameter	Φ26mm
	Rope length	450m
	Rated single rope tension	15t

Luffing jib derricking mechanism	Diameter of drum	650mm
	Speed of the outmost layer	139m/min
	Rope diameter	Φ26mm
	Rope length	400m
	Rated single rope tension	16t



Slewing mechanism

It is composed of a built-in axial piston double-variable displacement motor, a dual-gear reducer, a normally closed slewing brake, a small gear, and a slewing bearing. It realizes slewing for 360° through the slewing bearing driven by the small gear, thus realizing the slewing of superstructure. The slewing mechanism is equipped with a controllable free swing function, which reduces the impact on the crane and ensures that braking is smooth and steady. A closed slewing system with less impact is used to make the starting and braking more stable. The controllable free swing function make the slewing gear better fitted in operation. Infinite slewing speed regulation: from 0 to 1.0r/min.



Crawling mechanism

The crawling mechanism is fitted with two variable displacement motors and two reducers. Each track is controlled by a lever. It is able to make such movements as crawling straight ahead/backwards, turning with a crawler, differential steering, turning on spot, crawling with a load with high maneuverability and flexibility. Crawling speed: 0~1.0km/h. Gradeability: 30%. The tension degree of the track can be adjusted through a jack quickly and conveniently.



A-frame erecting mechanism

The A-frame erecting mechanism consists of A-frame, erection cylinder, auxiliary hydraulic system, etc. It is mainly used for the assembly, dismantling or transferring. It is safer and more reliable that cylinder and balancing valve are connected through gasket-mounting. After the A-frame is erected for over 105°, it can be used to connect anchoring rods and install boom sections, track assembly and counterweight.

TECHNICAL DESCRIPTION



Slewing and pitching mechanism of operator's cab

To reduce the width of the basic machine during transportation, the operator's cab can be swiveled for 90° from one side of the slewing table to the front, which is then fixed with a positioning pin. This is convenient for transportation. Pitching-up and pitching-down is controlled by a cylinder. The operator's cab can be pitched up for 20° if the load is hoisted highly, broadening the vision of crane operator.



Counterweight and installation of counterweight

The mechanism is composed of counterweight frame, counterweight, bearing chain and retaining pin.



Outrigger erecting and track self-assembly/dismantling mechanism

The outrigger erecting and track self-assembly/dismantling mechanism consists of undercarriage outriggers, outrigger cylinders, undercarriage control valves, power pins, etc. The outrigger erecting mechanism is the main load-bearing mechanism for self-assembly and dismantling of track. Track bolting cylinders are used to connect the track to the undercarriage center section. The track can be assembled /dismantled by the crane itself without help of an auxiliary crane, thus improving the working efficiency, reducing the labor intensity and guaranteeing the safe operation of crane.



Hydraulic system

The hydraulic system is composed of main pump, auxiliary valve, hydraulic motor, hydraulic oil tank, and oil cooler, etc. It is equipped with a worldwide advanced pump-controlling system and a load-sensitive system. Main hydraulic elements are of famous brands both at home and abroad, which are energy-saving and highly reliable with a long service life. Cooler: aluminum radiator with a hydraulic-driving fan.



Electrical system

DC 24V, negative ground, two storage batteries of 195AH. The electrical system of machine includes power source, engine start, engine shutdown, indicating light, alarm device, illumination device, fan, wiper, horn, hoisting limiter, hydraulic oil cooling fan, digital display system, PLC controller, load moment limiter, engine preheating device, safety equipment etc. which not only ensure safe operation of the crane but also provide a good working environment. CAN bus control technology applied in the crane connects engine, PLC controller, load moment limiter and digital display efficiently. It possesses the function of fault detecting and self-diagnosis.



Power system

Engine:Commins/X12 engine with CAN bus interface.
Rated power kW/rotational speed r/min: 336/1800.
Maximum torque N·m/rotational speed r/min: 2169/1400.
Exhaust emission standard: EU Stage5.
Fuel tank has a great capacity of 750 L, which ensures long working hours of engine.

TECHNICAL DESCRIPTION



Digital display system

LCD with a large touch screen is able to display all kinds of configuration signals collected by PLC in multiple languages, including rotational speed of engine, water temperature, fuel oil pressure, hydraulic pump pressure, major motor pressure, operational condition of the basic machine, etc. It also carries out real-time monitoring on working condition and sends out yellow or red alarm when the crane is in abnormal conditions.



Safety devices

- Load moment limiter.
- Overflow valves in hydraulic system.
- Hoisting limiter.
- Angle indicator.
- Derricking limiter.
- Main boom tilting-back support.
- Crane inclinometer.
- Protective device for over-winding and over-unwinding of rope.
- Anemometer.
- Emergency stop button.
- Tricolor warning light.
- Monitoring system.
- Remote GPS monitoring system (optional).



Operator's cab

It is an all-steel structured cab with tempered glass around. The top and front windows are laminated glasses. The cab is equipped with a right sun visor, an adjustable seat, a wiper, an electrical control lever, a load moment limiter, a digital display, a remote control box of various switches, an air conditioner, an electric fan, a head lamp, a cigarette lighter, a fire extinguisher, etc. The operator's cab has a broad vision and a capacious and comfortable inner space.



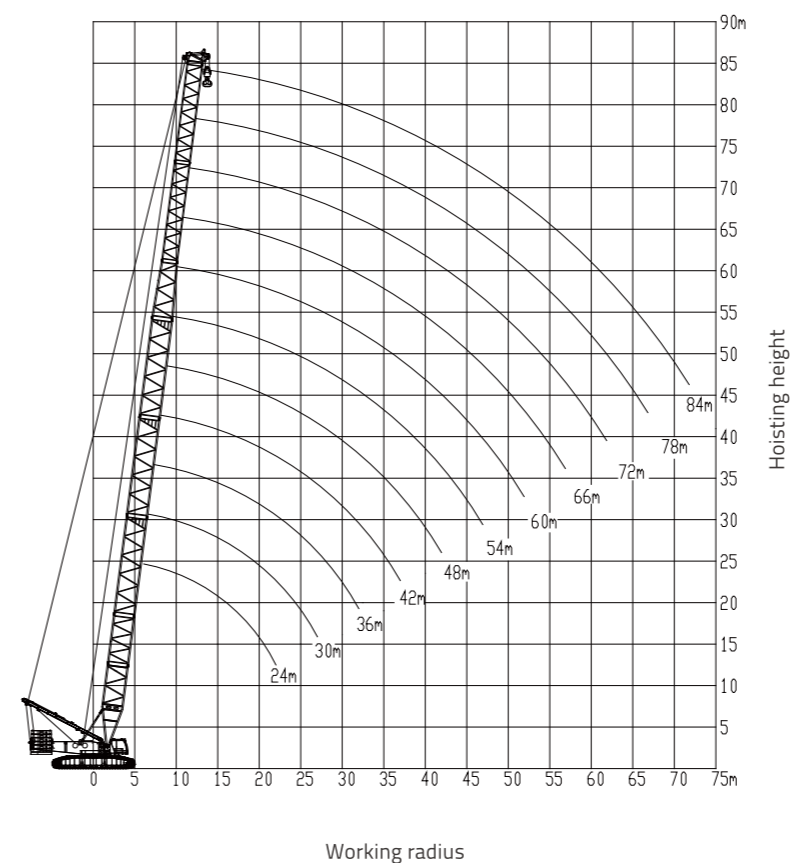
Hook

All rotatable load hooks are equipped with a mousing.

- 350t load hook: 13 pulleys
- 300t main load hook: 11 pulleys
- 200t load hook: 7 pulleys
- 160t load hook: 5 pulleys
- 50t load hook: 2 pulleys
- 16t load hook: cylinder hook

LIFTING PERFORMANCE

Lifting height curves of operating mode S



Unit: m

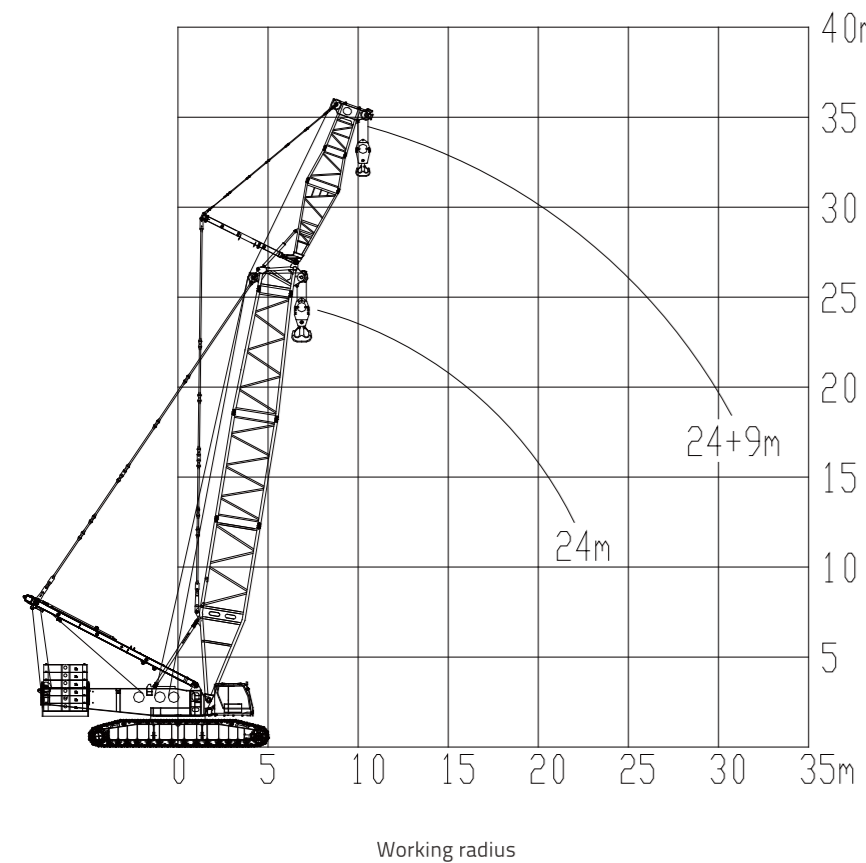
Lifting capacity chart

Unit: t

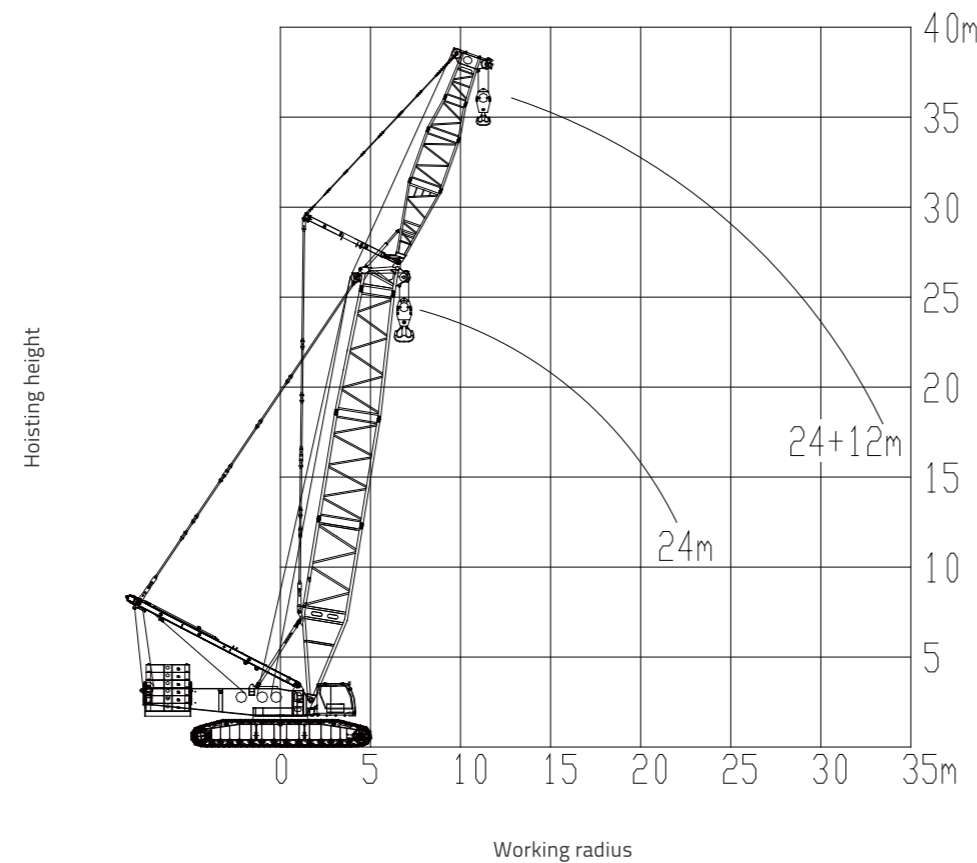
Radius (m)	Rear counterweight, 150t; Central ballast, 40t												
	Main boom length (m)												
	24	30	36	42	48	54	60	66	72	78	84		
7													
8													
9				257	249								
10			236	229	223	210							
11			212	207	201	196	191						
12			193	189	183	179	174	167	147				
14		158	158	158	154	151	148	145	141	118	98.9		
16		131	130	130	130	128	125	123	120	114	95.1		
18		111	111	111	110	110	108	106	104	102	91.4		
20	96.5	96.6	96.1	96	95.3	95.1	94.4	93.5	91.7	90	88		
22	84.9	85	84.5	84.3	83.7	83.5	82.7	82.3	81.5	80	78.4		
24		75.7	75.1	75	74.3	74.1	73.3	72.9	72.4	71.8	70.3		
26		68	67.5	67.4	66.7	66.5	65.6	65.2	64.7	64.2	63.5		
28		61.6	61.1	61	60.3	60	59.2	58.8	58.3	57.8	57.2		
30			55.7	55.6	54.8	54.6	53.8	53.3	52.8	52.3	51.7		
32			51	50.9	50.2	49.9	49.1	48.6	48.1	47.6	47		
34				46.8	46.1	45.9	45.1	44.6	44	43.5	43		
36				43.3	42.6	42.3	41.5	41	40.5	40	39.4		
38				40.1	39.4	39.2	38.4	37.9	37.3	36.8	36.2		
40					36.6	36.4	35.6	35.1	34.5	34	33.4		
44						31.6	30.8	30.3	29.7	29.2	28.6		
48							27.7	26.9	26.4	25.8	25.3	24.7	
52								23.6	23.1	22.5	22	21.4	
56									20.3	19.8	19.2	18.6	
60										17.4	16.8	16.2	
64											15.3	14.8	14.2
68												12.9	12.3
72													10.7

LIFTING PERFORMANCE

Lifting height curves of operating mode SF

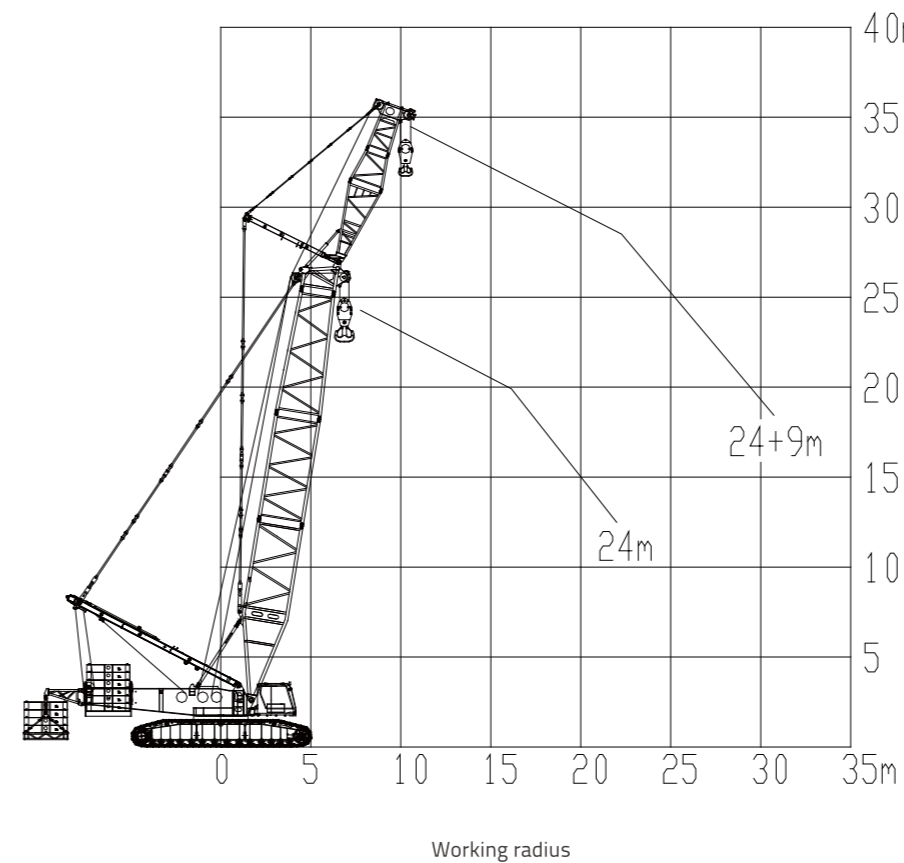


Lifting height curves of operating mode SF

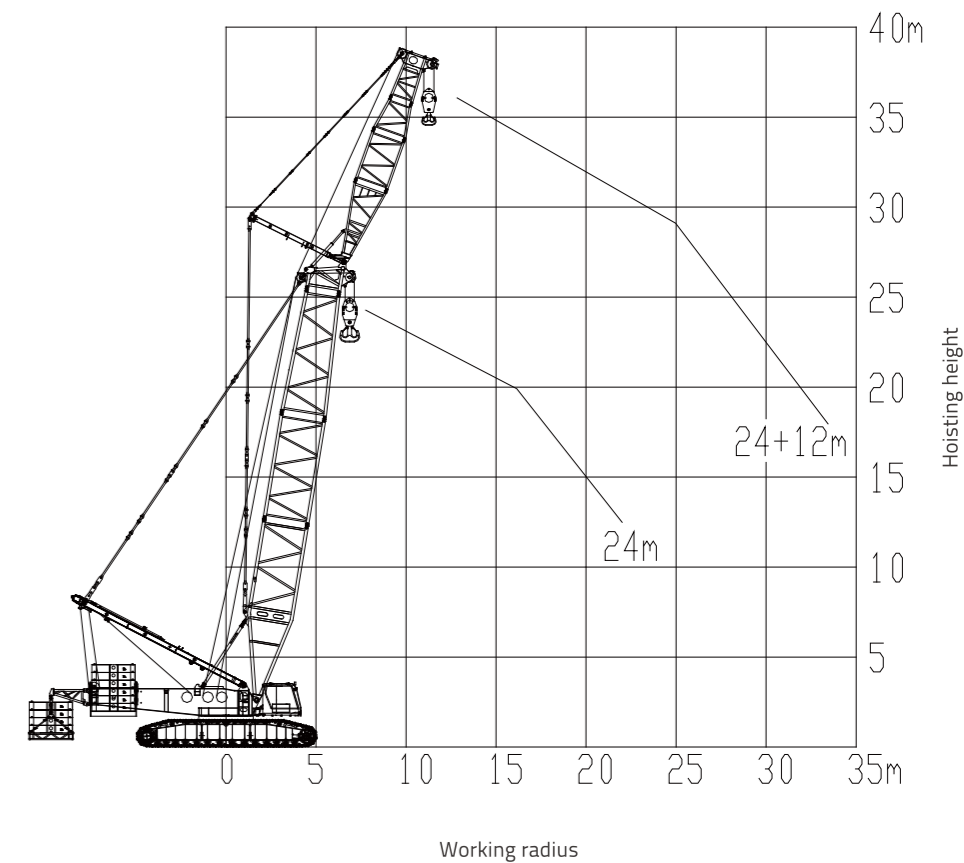


LIFTING PERFORMANCE

Lifting height curves of operating mode SF



Lifting height curves of operating mode SF



LIFTING PERFORMANCE

Lifting capacity chart

Unit: t

Main boom, 24m; Jib, 9m; Rear counterweight, 150t; Central ballast, 40t						
Angle(°)	Radius(m)			Lifting capacity(t)		
Main boom angle	Primary hook	Auxiliary hook	Turning over	Primary hook	Auxiliary hook	Turning over
80.4	7	10.6	8.8	330.0	193.2	261.6
79.6	7.3	11	9.2	320.1	190.0	255.1
77.9	8	12	10.0	297.0	183.0	240.0
74.2	9.5	14	11.8	245.5	155.0	200.3
72.9	10	14.7	12.4	231.0	145.6	188.3
70.3	11	16	13.5	207.0	128.0	167.5
67.7	12	17.5	14.8	187.0	113.0	150.0
66.7	12.4	18	15.2	179.0	108.0	143.5
62.3	14	20	17.0	147.0	93.3	120.2
58.6	15.3	22	18.7	129.5	81.6	105.5
56.6	16	22.9	19.5	120.0	77.4	98.7
54.2	16.8	24	20.4	112.0	72.3	92.2
50.4	18	25.6	21.8	100.0	66.1	83.1
43.5	20	28.3	24.2	85.8	57.3	71.5
35.5	22	30.9	26.5	74.3	50.5	62.4

Note: The auxiliary hook weighs 3.1t when the primary hook is used (load hook for 160t). The primary hook weighs 3.7t when the auxiliary hook is used (load hook for 260t).

Lifting capacity chart

Unit: t

Main boom, 24m; Jib, 12m; Rear counterweight, 150t; Central ballast, 40t						
Angle(°)	Radius(m)			Lifting capacity(t)		
Main boom angle	Primary hook	Auxiliary hook	Turning over	Primary hook	Auxiliary hook	Turning over
80.4	7	12	9.5	325.0	165.0	245.0
77.9	8	13.5	10.8	292.0	152.3	222.1
76.4	8.3	14	11.2	281.2	148.0	214.6
75.4	9	15	12.0	256.0	138.0	197.0
72.9	10	16	13.0	227.0	128.0	177.5
70.3	11	18	14.5	204.0	109.0	156.5
67.7	12	19.4	15.7	184.0	98.4	141.2
66	12.4	20	16.2	176.2	93.8	135.0
62.3	14	22	18.0	145.0	82.2	113.6
58.5	15.1	24	19.6	130.2	72.8	101.5
56.6	16	25.3	20.7	118.0	67.8	92.9
54.5	16.5	26	21.3	113.2	65.1	89.1
50.4	18	28	23.0	98.7	58.6	78.7
45.5	19.3	30	24.7	89.2	53.1	71.2
43.5	20	31	25.5	72.6	50.8	61.7
35.5	22	33.8	27.9	72.6	44.3	58.5

Note: The auxiliary hook weighs 3.1t when the primary hook is used (load hook for 160t). The primary hook weighs 3.7t when the auxiliary hook is used (load hook for 260t).

LIFTING PERFORMANCE

Lifting capacity charts: TBM OM with attached counterweight

Unit: t

Main boom, 24m; Jib, 9m; Rear counterweight, 150t; Central ballast, 40t; Attached counterweight, 40t						
Angle(°)	Radius(m)			Lifting capacity(t)		
Main boom angle	Primary hook	Auxiliary hook	Turning over	Primary hook	Auxiliary hook	Turning over
80.4	7	10.6	8.8	350.0	193.2	271.6
79.6	7.3	11	9.2	350.0	190.0	270.0
77.9	8	12	10.0	318	183.0	256.5
74.2	9.5	14	11.8	292.5	171.0	231.8
72.9	10	14.7	12.4	275.0	166.5	220.8
70.3	11	16	13.5	247.0	154.0	200.5
67.7	12	17.5	14.8	220.0	143.0	181.5
66.7	12.4	18	15.2	215.2	138.0	176.6
62.3	14	20	17.0	184.0	120.0	152.0
58.6	15.3	22	18.7	164.5	105.0	134.8
56.6	16	22.9	19.5	154.0	99.0	126.5
54.2	16.8	24	20.4	144.4	93.6	119.0
50.4	18	25.6	21.8	130.0	86.0	108.0
43.5	20	28.3	24.2	105.0	74.0	89.5
35.5	22	30.9	26.5	84.3	59.0	71.7

Note: The auxiliary hook weighs 3.1t when the primary hook is used (load hook for 160t). The primary hook weighs 3.7t when the auxiliary hook is used (load hook for 260t).

Lifting capacity charts: TBM OM with attached counterweight

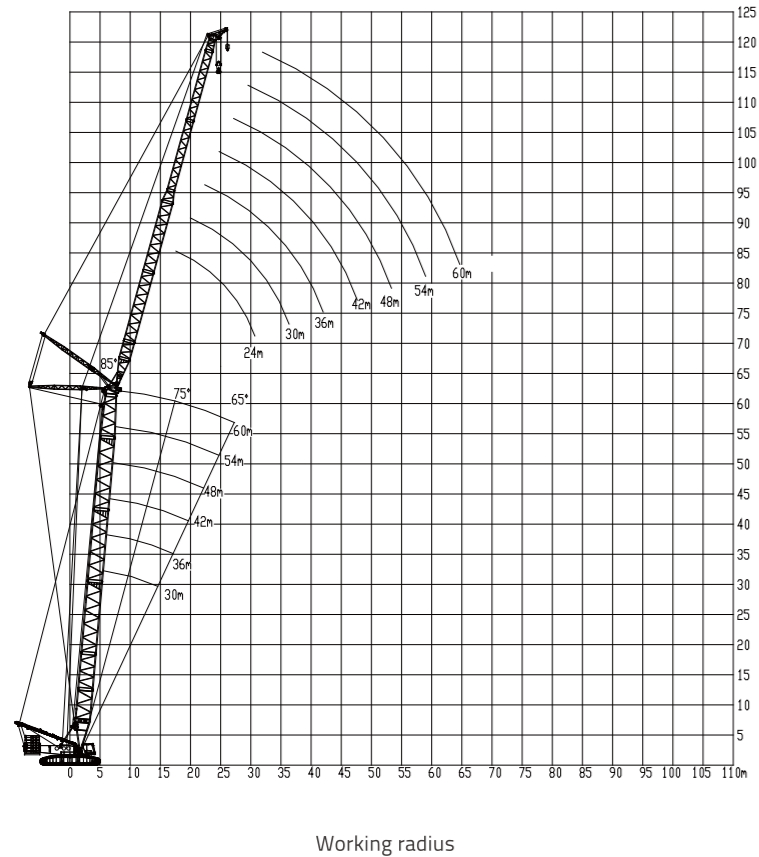
Unit: t

Main boom, 24m; Jib, 12m; Rear counterweight, 150t; Central ballast, 40t; Attached counterweight, 40t						
Angle(°)	Radius(m)			Lifting capacity(t)		
Main boom angle	Primary hook	Auxiliary hook	Turning over	Primary hook	Auxiliary hook	Turning over
80.4	7	12	9.5	350.0	165.0	257.5
77.9	8	13.5	10.8	318	152.0	241.0
76.4	8.3	14	11.2	315	148.0	233.0
75.4	9	15	12.0	310.0	141.5	225.8
72.9	10	16	13.0	275.0	135.0	205.0
70.3	11	18	14.5	247.0	124.0	185.5
67.7	12	19.4	15.7	220.0	117.0	168.5
66	12.4	20	16.2	217.0	115.0	166.0
62.3	14	22	18.0	184.0	106.0	145.0
58.5	15.1	24	19.6	172.0	94.1	133.1
56.6	16	25.3	20.7	154.0	87.8	120.9
54.5	16.5	26	21.3	152.0	84.5	118.3
50.4	18	28	23.0	130.0	76.4	103.2
45.5	19.3	30	24.7	126.0	69.6	97.8

Note: The auxiliary hook weighs 3.1t when the primary hook is used (load hook for 160t). The primary hook weighs 3.7t when the auxiliary hook is used (load hook for 260t).

LIFTING PERFORMANCE

Lifting height curves of operating mode SW



Lifting capacity chart

Unit: t

Main boom length 30m							
Main boom angle, 85°; Jib length, 24 – 60 m; Rear counterweight, 150t; Central ballast 40t							
Radius(m)	24	30	36	42	48	54	60
12	150						
14	142	136	120				
16	124	120	116	106			
18	109	106	103	100	76.8		
20	95.4	95	93.1	90.5	76.2	64.7	54.7
22	84.4	84	83.7	82.4	75.2	63.8	54.6
24	75.6	75.2	75	74.7	73.8	61.2	53.9
26	68.3	68	67.8	67.5	67.4	54.5	53
28	60.1	62	61.7	61.5	61.4	49.2	51.2
30	56.9	56.9	56.6	56.4	56.3	44.6	47.1
32		52.4	52.2	52	51.9	40.7	43.5
34		47.7	48.4	48.2	48.1	37.2	39.9
36			45.1	44.8	44.7	34.3	36.8
38			42.1	41.9	41.8	31.6	33.8
40			39.1	39.2	39.2	29.3	31.4
44				34.7	34.2	22	24.7
48				32.6	31	19.4	21.6
52					27.8	17.3	19.1
56						15.5	16.9
60						14	15
64							14

LIFTING PERFORMANCE

Lifting capacity chart

Unit: t

Main boom length 42m							
Main boom angle, 85°; Jib length, 24 – 60 m; Rear counterweight, 150t; Central ballast 40t							
Radius(m)	24	30	36	42	48	54	60
12	137						
14	131	119					
16	115	111	105				
18	103	99.5	96.6	92			
20	92.9	89.9	87.3	84.8	68.5	58.1	
22	83.9	81.9	79.6	77.4	68	57.9	49.8
24	75.1	74.7	73.1	71.1	67.4	57.2	49.4
26	67.9	67.6	67.3	65.8	64.2	56	48.7
28	61.9	61.6	61.3	61	59.7	50.4	48
30	51.9	56.5	56.2	55.9	55.6	45.6	44.4
32		52.1	51.9	51.6	51.4	41.8	40.9
34		48.3	48.1	47.8	47.7	38.3	37.5
36		44.9	44.7	44.5	44.3	35.3	34.8
38			41.8	41.6	41.4	32.5	32.3
40			39.1	38.9	38.8	30.2	27.8
44			34	34.5	34.4	22.2	25.2
48				30	30.7	19.4	22
52					27.9	17.3	19.4
56						15.7	17.2
60						15.3	15.3
64							14

Lifting capacity chart

Unit: t

Main boom length 60m							
Main boom angle, 85°; Jib length, 24 – 60 m; Rear counterweight, 150t; Central ballast 40t							
Radius(m)	24	30	36	42	48	54	60
14	108						
16	101	96.2					
18	92	89	83.6				
20	83.4	80.8	78.1	70.2	56.1		
22	76.3	73.9	71.5	69.6	55.9	48.6	
24	70.3	68	65.9	64.2	55.4	48.3	41.9
26	65.2	63.1	61	59.5	54.9	41.6	41.5
28	54.5	58.8	56.8	55.4	53.9	39	41.1
30	38	54.9	53.1	51.8	50.3	36	40.6
32	32.9	51.3	49.8	48.6	47.3	33.8	39.4
34		41.5	46.9	45.7	44.4	32.1	36.6
36		30.2	43.8	43.1	41.9	30	33.3
38		28	40.9	40.7	39.7	27.8	31.2
40			32.8	38.2	37.6	26.1	29.3
44			22	33.1	33.5	23.1	25.7
48				22.1	30	20.4	22.7
52					22.2	18.2	20
56					16.5	16.3	17.6
60						15	15.7
64							14.1
68							12