ZOOMLION

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website:en.zoomlion.com 2021.10.09

260 ton CAPACITY
ZCC2600-2

ZOOMLION

VISION CREATES FUTURE

ZOOMLION

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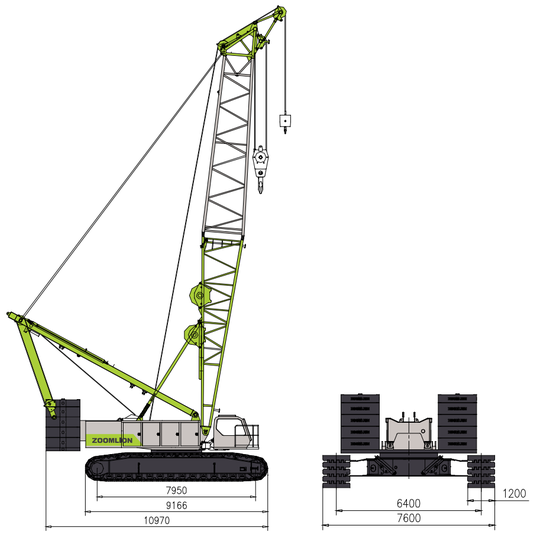
DEMENSIONS

Unit: mm



TECHNICAL FEATURE

High cost-effective

- Low initial cost investment and fast return on investment;
- Ultra high working efficiency, the maximum single rope speed of hoisting winch is 143m / min, leading the industry;
- The standard boom section and hook can be used with other products and save money

More comfortable driving experience

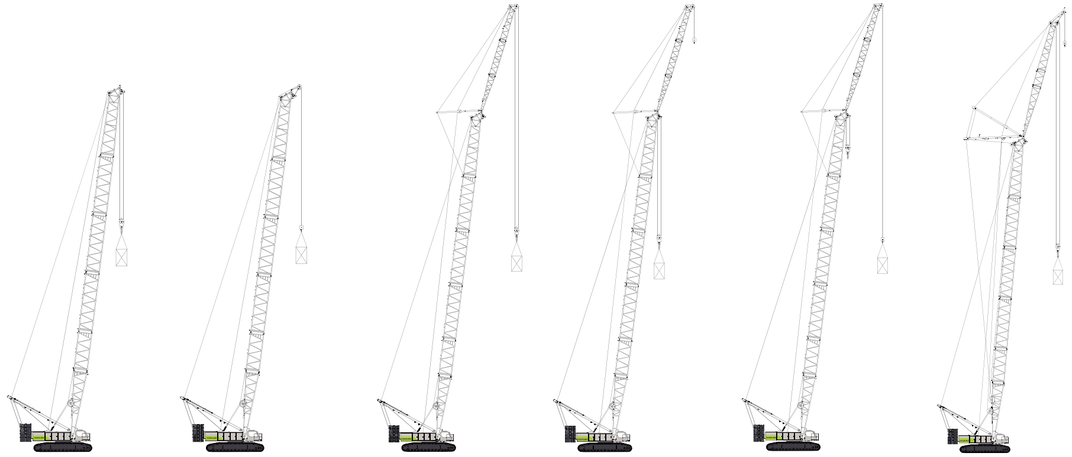
- 1.25m wide panoramic control room, 10.4-inch color display LCD, standard boom HD camera;
- Adjustable shock-absorbing seat and right integrated control panel.
- Extension-type tracks provide a maximum transport width of 3.4m/3.0m.

Maintenance, disassembly and transportation are more convenient

- Load feedback proportional hydraulic control system, more efficient maintenance.
- The maximum transportation weight of a single piece is 39t and the maximum transportation width is 3M.

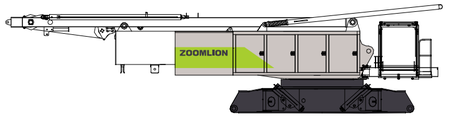
BOOM COMBINATION

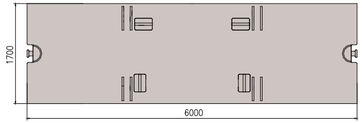
Code	Operating mode	Boom combination
S	Main boom	20m ~ 86m
SH	Goose head frame	20m ~ 86m
SF-1	Main boom + fixed jib(auxiliary hook, without main hook)	(29m ~ 71m) + (12m ~ 30m)
SF-2	Main boom + fixed jib (main hook)	(29m ~ 71m) + (12m ~ 30m)
SF-3	Main boom + fixed jib(auxiliary hook, with main hook)	(29m ~ 71m) + (12m ~ 30m)
SW	Main boom + luffing jib	(23m ~ 59m) + (21m ~ 60m)

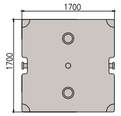


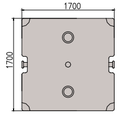
S S SF S SF SW

TRANSPORTATION AND WEIGHTS









Basic machine	1 piece
Length(L)	13580mm
Width (W)	3000 mm
Height (H)	3400 mm
Weight	39000 kg

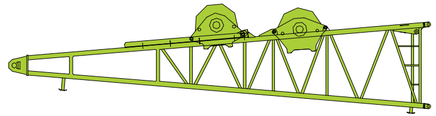
Crawler carrier assy	2 pieces
Length(L)	9166 mm
Width (W)	1650 mm
Height (H)	1450 mm
Weight	24200 kg

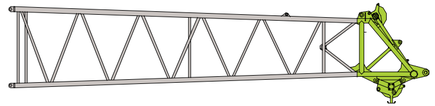
Counterweight base	1 piece
Length(L)	6000 mm
Width (W)	1700 mm
Height (H)	520 mm
Weight	12700 kg

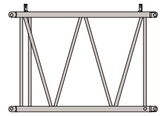
Counterweight plate	8 pieces*
Length(L)	1700 mm
Width (W)	1700 mm
Height (H)	510 mm
Weight	7100 kg

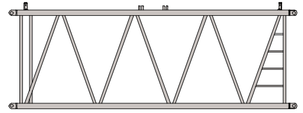
Counterweight plate	2 pieces*
Length(L)	1700 mm
Width (W)	1700 mm
Height (H)	310 mm
Weight	4000 kg

TRANSPORTATION AND WEIGHTS









Central ballast	2 pieces
Length(L)	4680 mm
Width (W)	1550 mm
Height (H)	630 mm
Weight	12000 kg

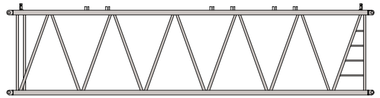
Main boom pivot section	1 piece
Length(L)	10255 mm
Width (W)	2365 mm
Height (H)	2700 mm
Weight	9250 kg

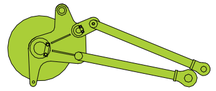
Main boom head	1 piece
Length(L)	11055 mm
Width (W)	2320 mm
Height (H)	2620 mm
Weight	3570 kg

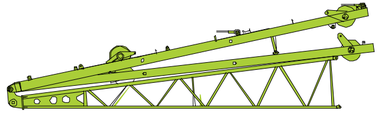
Main boom intermediate section of 3m	1 piece*
Length(L)	3120 mm
Width (W)	2320 mm
Height (H)	2285 mm
Weight	780 kg

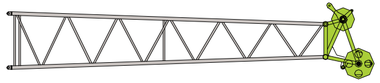
Main boom intermediate section of 6m	1 piece*
Length(L)	6120 mm
Width (W)	2320 mm
Height (H)	2285 mm
Weight	1220 kg

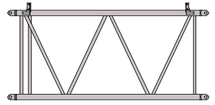
TRANSPORTATION AND WEIGHTS











Main boom intermediate section of 9m	6 pieces*
Length (L)	9120 mm
Width (W)	2320 mm
Height (H)	2285 mm
Weight	1730 kg

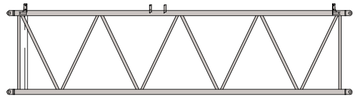
Tip boom	1 piece
Length (L)	1860 mm
Width (W)	1514 mm
Height (H)	760 mm
Weight	210 kg

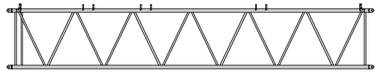
Luffing jib pivot section (with WA-frames)	1 piece*
Length (L)	10156 mm
Width (W)	1750 mm
Height (H)	3005 mm
Weight	4890 kg

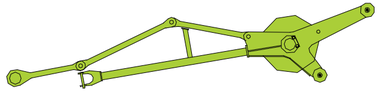
Luffing jib head	1 piece*
Length (L)	9445 mm
Width (W)	1690 mm
Height (H)	1850 mm
Weight	1220 kg

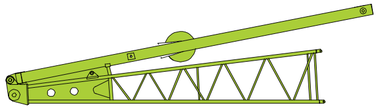
Luffing jib intermediate section of 3m	2 pieces*
Length (L)	3090 mm
Width (W)	1700 mm
Height (H)	1615 mm
Weight	370 kg

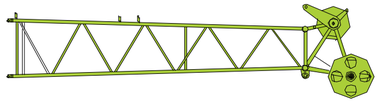
TRANSPORTATION AND WEIGHTS











Luffing jib intermediate section of 6m	1 piece*
Length(L)	6090 mm
Width (W)	1700 mm
Height (H)	1615 mm
Weight	650 kg

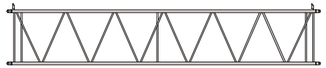
Luffing jib intermediate section of 9m	4 pieces*
Length(L)	9090 mm
Width (W)	1700 mm
Height (H)	1615 mm
Weight	880 kg

Tip boom on luffing jib (optional)	1 piece*
Length(L)	3120 mm
Width (W)	750 mm
Height (H)	780 mm
Weight	195 kg

Fixed jib pivot section (with FA-frame)	1 piece*
Length(L)	7150 mm
Width (W)	1505 mm
Height (H)	1955 mm
Weight	1265 kg

Fixed jib head	1 pieces*
Length(L)	6430 mm
Width (W)	1260 mm
Height (H)	1650 mm
Weight	650 kg

TRANSPORTATION AND WEIGHTS



Fixed jib intermediate section of 6m	3 piece*
Length (L)	6060 mm
Width (W)	1260 mm
Height (H)	1175 mm
Weight	260 kg

Load hook for 260t	1 piece*
Length (L)	2530 mm
Width (W)	1400mm
Height (H)	900 mm
Weight	4235 kg

Load hook for 160t	1 piece*
Length (L)	2180 mm
Width (W)	900 mm
Height (H)	810 mm
Weight	2380 kg

Load hook for 50t	1 piece*
Length (L)	1965 mm
Width (W)	675 mm
Height (H)	810 mm
Weight	1355 kg

Load hook for 100t	1 piece*
Length (L)	1975 mm
Width (W)	920 mm
Height (H)	810 mm
Weight	1935 kg

Load hook for 12t	1 piece*
Length (L)	965 mm
Width (W)	430 mm
Height (H)	430 mm
Weight	470 kg

Notes:
1. Figures in the above table are schematic diagrams that are not drawn in fixed proportions. Dimensions shown are general boundary dimensions.
2. Packaging weight is not included. Weights might be different from what are listed in the above table due to manufacturing error.
3. Dimensions of actual products shall prevail if dimensions and weights differ from what are listed above due to parts improvement.
4. Number of parts marked with * are determined by actual needs.

TECHNICAL DESCRIPTION

Engine

Model: Weichai WP10G336E344.
Rated power: 247kW/1900r/min.
Maximum torque: 1550Nm/1100~1400r/min.
Emission standard: CHINA III for non-road mobile machinery.
Volume of fuel oil tank: 700L. (guarantees long working hour)

Hydraulic system

The hydraulic system is a pilot proportional controlled hydraulic system that comprises main pump, control valve, hydraulic motor, hydraulic oil tank, cooler, etc., featuring high efficiency, energy conservation, smooth and stable synchronized movement, safeness and stability.
Heat dissipation power of oil cooler: 40kW.
Volume of hydraulic oil tank: 700L.

Electrical system

DC 24V, negative ground, two storage batteries of 195AH.
Electrical devices mainly include: centralized display panel, engine preheating device, load moment limiter, power supply, indicating light, alarming device, illuminating light, electric fan, wiper, horn, hoisting limiter, etc. All these devices guarantee a safe and sound working environment for the crane.

Hoisting mechanism

Hoisting mechanism comprises an axial variable-displacement piston motor, a built-in planetary reducer, a balance valve, a normally-closed brake and wire rope, which can be controlled independently.

	Hoisting winch
Rated single rope tension	13.5t
Wire rope diameter	26mm
Wire rope length	480m/300m
Single rope speed of the outer most layer	143m/min / 124m/min

Derricking mechanism

Derricking mechanism comprises an axial piston motor, a built-in planetary reducer, a balance valve, a normally-closed brake and wire rope.

	Derricking mechanism
Rated single rope tension	10.2t
Wire rope diameter	24mm
Wire rope length	440m
Single rope speed of the outer most layer	65m/min×2

Luffing jib derricking winch (auxiliary derricking winch) is optional, which comprises an axial piston motor, a built-in planetary reducer, a balance valve, a normally-closed brake and wire rope.

	Derricking mechanism
Rated single rope tension	13t
Wire rope diameter	26mm
Wire rope length	250m
Single rope speed of the outer most layer	43m/min

TECHNICAL DESCRIPTION

Slewing mechanism

Slewing mechanism is composed of two hydraulic motors, two slewing reducers, control valves and a slewing bearing. Small gear of the output shaft rotates around the slewing bearing ring fixed on the chassis so that the slewing table makes slewing movement of 360°.
Stepless speed regulation of 0~1.0 r/min for slewing.
The slewing mechanism can be mechanically locked by the locking device at the front end of the slewing table.

Operator's cab

The operator's cab is a steel structure with tempered glasses around. The roof and the front windows are fitted with laminated glasses. Sun shields, an adjustable seat, wipers, a cold/warm air conditioner, etc. are also equipped in the cab. The entire cab is decorated with soft interiors.

Load hook

Optional load hooks of five types:

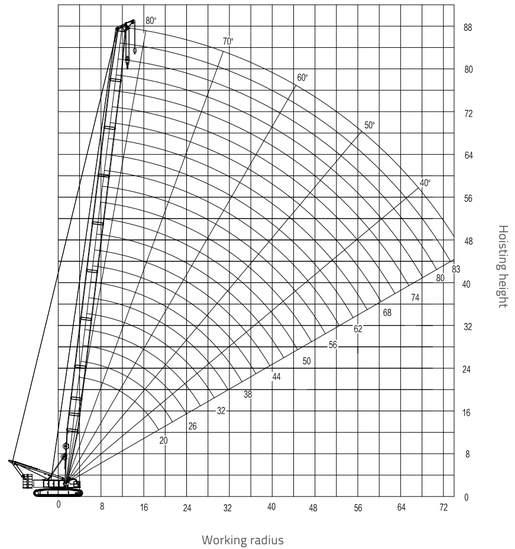
Specification	Weight (kg)	Number of pulley
260 t	4235	10
160 t	2380	7
100 t	1935	5
50 t	1355	2
12 t	470	0

LIFTING PERFORMANCE

Lifting performance of main boom

Figure 3 Characteristic curves of hoisting height for luffing jib operating mode

Unit: m



Attention:
1. For main boom operating mode, the range of main boom length is 20m~86m.
2. Influence caused by boom deflection is not considered in the figure of curves.

LIFTING PERFORMANCE

Lifting capacity charts of main boom operating mode

Unit: t

	Main boom length (m)										
Radius(m)	20	23	26	29	32	35	38	41	44	47	50
5	260										
6	222	204	182								
7	189	186	178	160	149						
8	163	162	161	154	147	138					
9	143	142	142	141	140	138	126	114	112	102	
10	126	126	126	126	126	125	123	111	110	101	100
11	113	113	113	112	110	109	108	107	106	98	96
12	100	100	100	99.3	98.4	97.6	96.7	95.8	94.9	94	93
13	88.2	88.2	88.2	88	87.5	86.9	86.1	85.3	84.5	83.8	82.9
14	80.3	80.3	80.3	80.2	80	79.7	79	78.3	77.6	77	76.2
15	72.1	72.1	72.1	72	72	71.9	71.6	70.9	70.3	69.7	69.1
16	66.5	66.5	66.5	66.4	66.4	66.3	66.2	66	65.4	64.9	64.3
17	60.7	60.7	60.7	60.6	60.6	60.5	60.5	60.4	59.9	59.5	58.9
18	56.7	56.7	56.6	56.6	56.6	56.5	56.5	56.4	56.3	55.9	55.3
19	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52	51.9	51.6	51.2
20		49.2	49.2	49.2	49.2	49.2	49.2	49	48.9	48.8	48.4
22			43.3	43.3	43.3	43.3	43.2	43.1	42.9	42.8	42.6
24			38.4	38.4	38.4	38.4	38.4	38.3	38.1	38	37.8
26				34.6	34.5	34.5	34.5	34.3	34.2	34	33.8
28					31.2	31.2	31.1	31	30.8	30.7	30.5
30						28.3	28.3	28.1	28	27.9	27.7
32						25.9	25.8	25.7	25.6	25.4	25.2
34							23.7	23.5	23.4	23.3	23.1
36								21.7	21.6	21.4	21.2
38									19.9	19.8	19.6
40									18.4	18.3	18.1
42										16.9	16.7
44											15.5

Unit: t

	Main boom length (m)												
Radius(m)	53	56	59	62	65	68	71	74	77	80	83	86	
10	90.4												
11	90	90	78	78	72.6								
12	87	85	78	77.7	71.3	64.3	59.2	54.5					
13	80.1	78.9	75.6	75.1	69.9	63	57.9	53.4	48	44.2			
14	75.5	74.8	74	73.3	68.9	62.2	57.1	52.6	47.3	43.6	40.2	35.7	
15	68.4	67.8	67.1	66.5	64.3	60.9	56	51.5	46.3	42.6	39.4	35	
16	63.7	63.1	62.5	61.9	61.3	60.1	55.2	50.8	45.7	42	38.8	34.5	
17	58.4	57.8	57.3	56.7	56.1	55.4	53	49.7	44.7	41.1	38	33.7	
18	54.8	54.3	53.8	53.3	52.7	52.2	51.6	49	44.1	40.5	37.4	33.2	
19	50.7	50.2	49.7	49.3	48.7	48.2	47.7	46.4	43.2	39.7	36.6	32.5	
20	48	47.5	47	46.6	46.1	45.6	45.1	44.6	42.6	39.2	36	32	
22	42.5	42.1	41.6	41.2	40.8	40.3	39.9	39.4	38.9	37.8	34.7	30.9	
24	37.7	37.5	37.2	36.8	36.4	36	35.5	35.1	34.7	34.3	33.5	29.8	
26	33.7	33.5	33.3	33.1	32.7	32.3	31.9	31.6	31.1	30.7	30.3	28.7	
28	30.3	30.2	30	29.8	29.6	29.3	28.9	28.5	28.1	27.7	27.4	26.9	
30	27.5	27.3	27.1	26.9	26.7	26.5	26.3	25.9	25.5	25.2	24.8	24.4	
32	25.1	24.9	24.7	24.5	24.3	24	23.8	23.6	23.3	22.9	22.6	22.2	
34	22.9	22.8	22.5	22.3	22.1	21.9	21.7	21.5	21.2	21	20.6	20.2	
36	21.1	20.9	20.7	20.5	20.3	20	19.8	19.6	19.4	19.1	18.9	18.5	
38	19.4	19.2	19	18.8	18.6	18.4	18.2	18	17.7	17.5	17.3	17	
40	17.9	17.8	17.5	17.3	17.1	16.9	16.7	16.5	16.2	16	15.8	15.5	
42	16.6	16.4	16.2	16	15.8	15.6	15.3	15.1	14.9	14.7	14.4	14.2	
44	15.4	15.2	15	14.8	14.6	14.4	14.1	13.9	13.7	13.5	13.2	13	
46	14.3	14.1	13.9	13.7	13.5	13.3	13.1	12.9	12.6	12.4	12.1	11.9	
48		13.1	12.9	12.7	12.5	12.3	12.1	11.9	11.6	11.4	11.1	10.9	
50		12.2	12	11.8	11.6	11.4	11.2	10.9	10.7	10.5	10.2	10	
52			11.1	11	10.8	10.5	10.3	10.1	9.8	9.6	9.4	9.1	
54				10.2	10	9.8	9.5	9.3	9.1	8.9	8.6	8.4	
56					9.3	9	8.8	8.6	8.4	8.1	7.9	7.6	
58					8.6	8.4	8.2	8	7.7	7.5	7.2	7	
60						7.7	7.5	7.3	7.1	6.9	6.6	6.4	
62							7	6.8	6.5	6.3	6.1	5.8	
64								6.2	6	5.7	5.5	5.2	
66								5.7	5.5	5.2	5	4.7	
68									5	4.8	4.5	4.3	
70										4.3	4.1	3.8	
72											3.7	3.4	

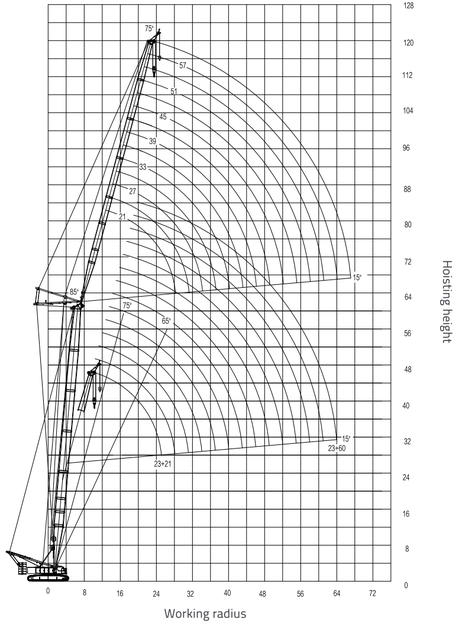
Note: Lifting capacities of tip boom operating mode are lifting capacities of the main boom of the same radius, which shall not exceed 12t.

LIFTING PERFORMANCE

Lifting performance of luffing jib operating mode

Figure 3 Characteristic curves of hoisting height for luffing jib operating mode

Unit: m



Attention:

1. For luffing jib operating mode, the range of main boom length is 23m~59m and the range of luffing jib is 21m~60m.
2. For luffing jib operating mode, the longest boom combination is 53m+60m /59m+45m.
3. Influence caused by boom deflection is not considered in the figure of curves.

Lifting capacity charts of luffing jib operating mode

Unit: t

Main boom	23														
Jib	21			24			27			30			33		
Radius (m)	Main boom angle (°)														
	85	75	65	85	75	65	85	75	65	85	75	65	85	75	65
12	70			67			63.9								
14	64			63			58.2			52.8			45.8		
16	55.2			54			52.8			52.1			45.6		
18	47.7	55.7		47.1			46.2			46			45.2		
20	42.9	48.8		42.5	48.7		42			41.4			41		
22	40	43.4		39.4	43.3		38.3	43.2		37.9	43		37.2		
24	31.6	39		34.7	38.9		36.1	38.8		34.6	38.7		34.3	38.6	
26		35.3	33.8	30.2	35.3		32.6	35.2		33.6	35.1		31.7	35	
28		32.3	30.9		32.3	30.8	28.4	32.2		32.1	32.1		31.4	32	
30			28.4		29.6	28.3	21.6	29.6	28.2	26.4	29.5	28.1	29.2	29.4	
32			26.2			26.2		27.4	26.1	21	27.3	26	24.5	27.2	25.8
34						24.3		25.4	24.2		25.3	24.1	20	25.3	24
36									22.6		23.6	22.5	15.7	23.6	22.4
38									21.1			21.1		22	21
40												19.8		18.7	19.7
42															18.5
44															14.2

LIFTING PERFORMANCE

Lifting capacity charts of luffing jib operating mode

Unit: t

Main boom	23														
Jib	36			39			42			45					
Radius (m)	Main boom angle (°)														
	85	75	65	85	75	65	85	75	65	85	75	65			
16	40.2			33.2			29.6								
18	40.1			33			29.3			26.3					
20	40.1			32.8			29.1			26.1					
22	37			32.5			28.8			25.8					
24	34			32.3			28.6			25.5					
26	31.4	34.9		31	29.4		28.3			25.2					
28	29.2	31.9		28.5	29.4		28	26.2		24.9	21.8				
30	27.4	29.4		27.6	29.2		27.6	26.2		24.7	21.7				
32	26.8	27.2		27.3	27		27	26.1		22.8	21.6				
34	21.6	25.2	23.9	24.3	25.1		25.3	25		21.2	21.5				
36	18.8	23.5	22.3	18.7	23.4	22.2	22.4	23.3		20.3	21.3				
38	15.1	22	20.9	17.9	21.9	20.8	17.7	21.8	20.4	16.2	21.1				
40		20.7	19.7	15.1	20.6	19.5	17.4	20.5	19.4	15.5	20.4	18.3			
42		18.5	18.5	12.5	19.4	18.4	14.3	19.3	18.2	14.6	19.2	18.1			
44			17.5		17.3	17.3	11.9	18.2	17.2	13	17	17.1			
46			12.6		14.2	16.4		16.5	16.3	11.6	15.8	16.1			
48						15.5		14.3	15.4		15.6	15.3			
50						13			14.7		14.3	14.5			
52									11.5			13.8			
54												10.3			

Unit: t

Main boom	23														
Jib	48			51			54			57			60		
Radius (m)	Main boom angle (°)														
	85	75	65	85	75	65	85	75	65	85	75	65	85	75	65
18	22														
20	21.7			19.6			17.7			15.1					
22	21.4			19.3			17.4			14.8			13.3		
24	21.1			19			17.1			14.5			13		
26	20.8			18.7			16.8			14.2			12.7		
28	20.5			18.4			16.6			13.9			12.5		
30	20.2	18.1		18.1			16.3			13.7			12.2		
32	19.9	18		17.8	16.2		16	14.6		13.4			11.9		
34	19.6	17.8		17.5	16		15.7	14.5		13.1	12.3		11.7		
36	19.2	17.7		17.2	15.9		15.4	14.3		12.9	12.1		11.4	10.9	
38	17	17.5		17	15.7		15.1	14.1		12.6	11.9		11.2	10.7	
40	15.9	17.4		14.9	15.5		14.9	14		12.4	11.8		10.9	10.5	
42	15.6	17.2	15.4	14.5	15.4	13.8	14.5	13.8		12.1	11.6		10.7	10.3	
44	14.5	16.9	15.4	14	15.1	13.8	13.9	13.6	12.4	11.7	11.4		10.4	10.2	
46	12.9	16.7	15.4	13.8	14.9	13.8	11.1	13.4	12.4	11.2	11.2	10.4	10	10	
48	11.4	16.1	15.1	12	14.7	13.7	11.6	13.2	12.3	8.5	11	10.4	9.7	9.8	9.2
50	9.2	15.3	14.4	10.5	14.5	13.6	11.2	12.9	12.2	8.3	10.8	10.3	9.3	9.6	9.1
52		13.4	13.7	8.9	14.3	13.5	10	12.7	12.1	8.1	10.6	10.2	7.7	9.4	9
54		11.3	13		12.8	12.9	8.6	12.3	12.1	8	10.4	10	7.5	9.2	8.9
56			11.4		11	12.3	7.4	11.2	11.9	7.8	10.2	9.9	7.3	9	8.8
58			10.4			11.7		10.4	11.7	7.1	9.9	9.8	7.2	8.8	8.6
60						9.4		8.9	11.2		8.1	9.7	6.6	8.4	8.5
62									8.7		7.7	9.6	5.6	7.6	8.4

LIFTING PERFORMANCE

Lifting capacity charts of luffing jib operating mode

Unit: t

Main boom	38														
Jib	21			24			27			30			33		
Radius (m)	Main boom angle (°)														
	85	75	65	85	75	65	85	75	65	85	75	65	85	75	65
12	61.6														
14	60.6			60.2			52.6			44.2					
16	53.9			53.5			52.1			44.1			39		
18	45.7			45.7			46.5			44			38.8		
20	39.6			39.6			39.5			41.8			36.5		
22	34.9	41.4		34.9			34.8			36.5			35.8		
24	33.5	37.3		30.9	37.1		29.5			31			33.1		
26		33.8		30.6	33.7		28.1	33.6		28	33.4		27.2		
28		30.9		27.9	30.8		27.5	30.7		25.5	30.5		25.6	30.4	
30		28.4			28.3		27.2	28.2		25	28.1		23.4	27.9	
32		26.2	24.1		26.2			26.1		23.7	26		23	25.8	
34			22.4		24.3	22.2		24.3		20.5	24.1		22.3	24	
36			20.9			20.8		22.6	20.6		22.5		21.7	22.4	
38			19.5			19.4		21.1	19.3		21.1	19.1		21	19
40						18.2			18.1		19.8	18		19.7	17.8
42									17.1			16.9		18.5	16.8
44									16.1			16		13.6	15.8
46												15.1			15
48															14.2
50															13.5

Unit: t

Main boom	38														
Jib	36			39			42			45					
Radius (m)	Main boom angle (°)														
	85	75	65	85	75	65	85	75	65	85	75	65			
16	34.5														
18	34.5			29.2			26.1			23.3					
20	34.5			29.1			26.1			23.2					
22	34.5			29.1			26			23.1					
24	32.2			29			25.9			23					
26	30			28.9			25.7			22.8					
28	27.3	27.1		28.7			25.6			22.7					
30	23.4	26.3		28.6	23.3		25.4			22.5					
32	21.7	25.8		27.8	23		25.2	20.9		22.3	18.7				
34	21.4	24		24.4	22.6		25	21		22.1	18.7				
36	22.3	22.4		19.7	22.2		24.3	20.9		21.9	18.7				
38	22.2	20.9		19	20.8		22.3	20.7		21.3	18.6				
40	16	19.7	17.8	18.1	19.5		19.9	19.4		20.5	18.5				
42		18.5	16.7	16.6	18.4	16.5	19.7	18.3		19.3	18.1				
44		17.5	15.8		17.4	15.6	17.3	17.2	15.5	18.1	17.1				
46		16.5	14.9		16.4	14.8	13.1	16.3	14.6	16.3	16.2	14.4			
48			14.2		15.5	14		15.5	13.9	13	15.3	13.7			
50			13.4		12.4	13.3		14.7	13.2		14.5	13			
52			12.8			12.6		10.9	12.5		13.8	12.3			
54						12			11.9		13.1	11.7			
56						11.4			11.3			11.2			
58									10.8			10.7			
60												10.2			
												9.7			

LIFTING PERFORMANCE

Lifting capacity charts of luffing jib operating mode

Unit: t

Main boom	38														
Jib	48			51			54			57			60		
Radius (m)	Main boom angle (°)														
	85	75	65	85	75	65	85	75	65	85	75	65	85	75	65
20	19.7			17.9											
22	19.5			17.7			16.1			13.7			12.3		
24	19.4			17.5			15.9			13.5			12.1		
26	19.2			17.3			15.7			13.3			11.9		
28	19			17.1			15.5			13.1			11.7		
30	18.8			16.9			15.3			12.9			11.5		
32	18.6			16.7			15			12.7			11.3		
34	18.4	16		16.5			14.8			12.5			11.1		
36	18.2	16		16.3	14.4		14.6	13		12.3			10.9		
38	18	15.9		16.1	14.3		14.4	13		12.1	11.1		10.7		
40	17.8	15.9		15.9	14.3		14.2	12.9		11.9	11		10.5	9.8	
42	15	15.8		15.7	14.2		14	12.8		11.7	10.9		10.3	9.7	
44	14.3	15.6		12.7	14.1		13.8	12.7		11.5	10.8		10.1	9.6	
46	12.9	15.5		12	14		9.8	12.6		11.3	10.7		9.9	9.5	
48	12.1	15.2	13	10.8	13.8		9.6	12.5		10.8	10.6		9.5	9.3	
50	12	14.4	12.8	10.6	13.7	11.7	10.2	12.3		10.4	10.4		9.1	9.2	
52	9.4	13.7	12.2	10.2	13.5	11.7	8.7	12.2	10.6	7.1	10.3	9.2	8.8	9.1	
54		13	11.6	10.9	12.9	11.4	8.5	12	10.6	7.1	10.1	9.1	8.5	8.9	8.1
56		12.4	11		12.3	10.9	9.8	11.8	10.6	7.1	9.9	9.1	8.2	8.8	8.1
58		9.9	10.5		11.7	10.4		11.7	10.3	7	9.8	9.1	7.9	8.6	8.1
60			10		9	9.9		11.2	9.8	6.5	9.7	9	5.6	8.4	8
62			9.6			9.5		10.7	9.4		9.5	9	5.8	8.3	8
64			9.2			9		10.2	9		9.4	8.9		8.2	7.9

Unit: t

Main boom	53														
Jib	21			24			27			30			33		
Radius (m)	Main boom angle (°)														
	85	75	65	85	75	65	85	75	65	85	75	65	85	75	65
12															
14	51.4			45.9											
16	50.7			45.7			41			35.5			31.9		
18	49.2			44.9			40.6			35.3			31.9		
20	46.1			43.6			39.9			35.3			31.9		
22	42.6			41			38.8			34.7			31.6		
24	31.2			34			36.7			33.9			31.1		
26	24.5	31.7		30			33.6			31.8			30.5		
28		29		25.4	28.8		28.6			29.7			28.5		
30		26.7		15.1	26.5		25.5	26.4		27.3	26.2		26.8		
32		24.7			24.5		17.4	24.4		24.9	24.2		24.7	23.8	
34		22.9			22.8			22.7		18.1	22.5		23	22.4	
36		21.3			21.3			21.2			21		18.6	20.9	
38			17.2		19.9			19.8			19.7		13.3	19.5	
40			16.1			16		18.6			18.5			18.3	
42			15.2			15		16.9	14.9		17.4			17.3	
44			14.3			14.2			14		16.4	13.8		16.3	
46						13.4			13.3			13.1		15.4	12.9
48						12.7			12.6			12.4		13.5	12.2
50									11.9			11.8			11.6
52												11.2			11
54												10.6			10.5
56															10

LIFTING PERFORMANCE

Lifting capacity charts of luffing jib operating mode

Unit: t

Main boom	53											
Jib	36			39			42			45		
Radius (m)	Main boom angle (°)											
	85	75	65	85	75	65	85	75	65	85	75	65
18	28.7			24.9								
20	28.7			24.9			22.5			20.1		
22	28.6			24.8			22.4			20		
24	28.4			24.7			22.3			20		
26	28			24.5			22.2			19.8		
28	27.4			24.3			22			19.7		
30	25.7			24			21.8			19.5		
32	24.3	21.7		23.1			21.6			19.4		
34	22.4	21.5		21.8	19.1		20.9			19.1		
36	21	20.8		20.4	19		19.8	17.3		18.5	15.6	
38	18.5	19.5		18.9	18.8		18.6	17.2		17.9	15.6	
40	14	18.3		17.8	18.1		17.4	17		17	15.4	
42		17.2		14.1	17		16.5	16.7		16	15.3	
44		16.2		10.6	16.1		14.3	16		15	15	
46		15.4			15.2		11.2	15.1		13.3	14.7	
48		14.6	12.2		14.4	12		14.3		10.8	14.1	
50		13.3	11.6		13.7	11.4		13.6	11.2	8.4	13.4	
52			11		12.9	10.8		12.9	10.6		12.7	10.4
54			10.4			10.3		12.3	10.1		12.1	9.9
56			10			9.8		11	9.6		11.5	9.4
58			9.5			9.3			9.2		10.4	9
60						8.9			8.8			8.6
62						8.5			8.4			8.2
64									8			7.8

Unit: t

Main boom	53														
Jib	48			51			54			57			60		
Radius (m)	Main boom angle (°)														
	85	75	65	85	75	65	85	75	65	85	75	65	85	75	65
20	17.4														
22	17.3			15.8			14.4								
24	17.2			15.6			14.2			12.3			11.3		
26	17.1			15.5			14.1			12.2			11.1		
28	16.9			15.4			14			12			11		
30	16.8			15.2			13.8			11.9			10.8		
32	16.6			15.1			13.7			11.7			10.6		
34	16.4			14.9			13.5			11.5			10.5		
36	16.3			14.7			13.3			11.4			10.3		
38	16.1	13.7		14.5			13.2			11.2			10.1		
40	15.9	13.6		14.4	12.5		13	11.3		11.1			10		
42	15.3	13.5		14.2	12.4		12.8	11.3		10.9	9.7		9.8	8.9	
44	14.5	13.4		13.9	12.3		12.6	11.2		10.7	9.7		9.7	8.8	
46	13.8	13.2		13.4	12.1		12.4	11.1		10.5	9.6		9.5	8.7	
48	12.9	12.9		12.8	12		12.2	10.9		10.3	9.5		9.3	8.6	
50	10.8	12.6		12.1	11.8		11.7	10.7		10.1	9.4		9.1	8.5	
52	8.7	12.3		10.7	11.5		11.2	10.5		7.7	9.3		8.9	8.4	
54		11.8	9.7	9	11.2		10.5	10.3		7.6	9.1		6.3	8.3	
56		11.3	9.2	7.2	10.9	9.1	9.1	10.1		7.4	9		6.3	8.2	
58		10.7	8.8		10.4	8.6	7.5	9.8	8.6	7.2	8.8		6.1	8	
60		9.9	8.4		10	8.2		9.4	8.2	7.1	8.6	7.6	5.9	7.8	6.9
62		8.9	8		9.3	7.9		9.1	7.8	6.2	8.4	7.6	5.7	7.7	6.9
64			7.6		8.2	7.5		8.6	7.4		8.1	7.3	5.3	7.5	6.8

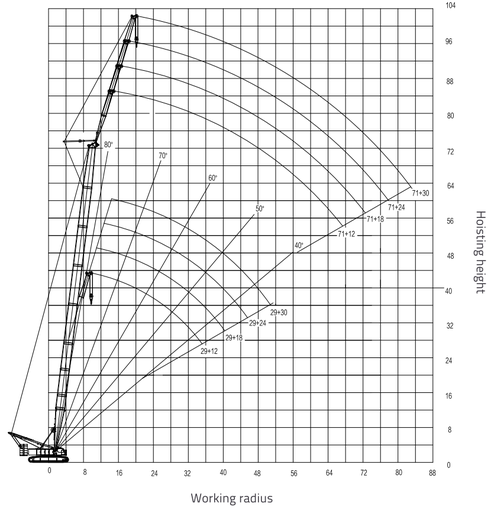
LIFTING PERFORMANCE

Lifting performance of fixed jib

Included angle between fixed jib and main boom is 10°

Unit: m

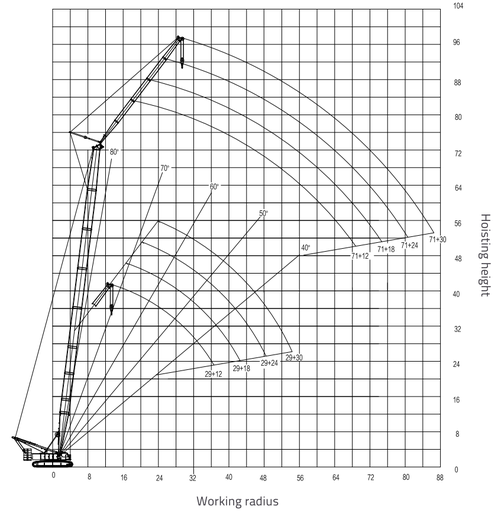
Figure 4 Characteristic curves of hoisting height for fixed jib operating mode (10°)



Included angle between fixed jib and main boom is 30°

Unit: m

Figure 5 Characteristic curves of hoisting height for fixed jib operating mode (30°)



Attention:

1. For fixed jib operating mode, main boom and fixed jib cannot be operated simultaneously.
2. For fixed jib operating mode, the range of main boom length is 29m~71m and the range of fixed jib length is 12m~30m.
3. Influence caused by boom deflection is not considered in the figure of curves.

LIFTING PERFORMANCE

Lifting capacity charts of fixed jib operating mode

Unit: t

Main boom	29							
Fixed Jib	12		18		24		30	
Radius (m)	Fixed jib angle (°)							
	10	30	10	30	10	30	10	30
14	34.6							
16	34.1	28.3	25.8		19.7			
18	33.8	27.7	25.7		19.6		12.3	
20	33.5	27.5	24	19.4	19.5		11.5	
22	33.3	27.2	23.6	19.2	18		10.9	
24	32.7	26.7	23.2	19	17.6	13.6	10.2	
26	31.2	26.3	22.1	18.8	16.6	13.3	9.7	
28	29.5	25.9	20.8	18.3	16.3	13	9.2	6.5
30	27.8	24.8	20.1	18.1	15.6	12.7	8.8	6.3
32	27.3	23.4	19.1	17.5	14.3	12.4	8.4	6
34	25.2	21.7	18.5	17.2	13.3	12.2	8	5.8
36	23.2	20.5	17.7	16.8	12.7	12	7.7	5.7
38		20.1	16.9	16.1	12.2	11.8	7.4	5.6
40			16.3	15.6	11.6	11.6	7.1	5.5
42			15.8	15.2	11.2	11.5	6.9	5.4
44				14.5	10.6	11.4	6.6	5.3
46					10.1	11.4	6.4	5.2
48						11.3	6.2	5.1
50						11.4	6	5
52							5.8	5
54								5

Unit: t

Main boom	41							
Fixed Jib	12		18		24		30	
Radius (m)	Fixed jib angle (°)							
	10	30	10	30	10	30	10	30
14								
16	32.8	27.5	25.3		19.3			
18	32.6	27.1	25.1		18.3		10.7	
20	32.4	26.8	24.8	18.8	17.4		10.1	
22	32	26.1	24.5	18.4	16.5		9.5	
24	30.6	26	24.2	18.1	15.8	10	9.1	
26	28.9	25.5	23.3	17.5	15.1	9.8	8.6	5
28	27.2	24.4	22.2	17.1	14.4	9.6	8.2	4.9
30	26.7	23	21.6	16.8	13.9	9.4	7.9	4.8
32	24.5	21.4	20.7	16.5	13.8	9.2	7.5	4.7
34	22.5	20.2	19.7	15.8	13.2	9	7.2	4.6
36	20.7	19.8	18.5	15.3	12.8	8.9	7	4.5
38	19.1	19.4	17.1	15.1	12.3	8.7	6.7	4.4
40	17.7	18	15.9	14.6	11.9	8.6	6.5	4.3
42	16.4	16.6	14.8	14.3	11.5	8.5	6.3	4.2
44	15.3	15.4	13.7	14	11.2	8.4	6	4.1
46			12.8	13	10.8	8.3	5.8	4
48			12	12.5	10.5	8.2	5.6	3.9
50				12.3	10.1	8.2	5.5	3.9
52					9.9	8.1	5.4	3.8
54					9.7	8.1	5.2	3.8
56						8.1	5.1	3.8
58							5	3.7
60							4.6	3.7
62								3.7

LIFTING PERFORMANCE

Lifting capacity charts of fixed jib operating mode

Unit: t

Main boom	50							
Fixed Jib	12		18		24		30	
Radius (m)	Fixed jib angle (°)							
	10	30	10	30	10	30	10	30
16	32.2	27.4	23.3		16.2			
18	32	27	23		15.8		9.8	
20	31.8	26.6	22.8	16.9	15.6		9.2	
22	31.6	26	22.5	16.5	14.9		8.8	
24	30.1	25.7	22.2	16.2	14.2	8	8.3	
26	28.4	25.3	21.3	15.9	13.6	7.9	7.9	
28	26.7	24.3	21	15.6	13	7.7	7.6	4
30	26.4	23	20.7	15.3	12.5	7.5	7.2	3.9
32	24	21.2	20.3	15	12	7.4	6.9	3.8
34	22	19.8	19.5	14.8	11.6	7.2	6.7	3.7
36	20.2	19.1	17.9	14.6	11.2	7.1	6.4	3.7
38	18.6	18.5	16.6	14.4	10.8	7	6.2	3.6
40	17.2	17.5	15.3	14.2	10.4	6.8	5.9	3.5
42	15.9	16.2	14.2	14	10.1	6.7	5.7	3.4
44	14.7	15	13.2	13.8	9.8	6.6	5.5	3.4
46	13.7	13.9	12.3	12.7	9.5	6.5	5.4	3.3
48	12.7	12.9	11.5	12.2	9.3	6.5	5.2	3.2
50	11.8	12	10.7	11.7	9	6.4	5	3.2
52		11.2	10	10.8	8.8	6.3	5	3.1
54			9.3	10	8.6	6.3	4.8	3.1
56			9	9.3	8.3	6.1	4.7	3.1
58				8.6	8.1	6	4.6	3
60					7.9	6	4.5	3
62						6	4.4	3
64						6	4.3	2.9
66							4.3	2.9
68								2.9

Main boom	71							
Fixed Jib	12		18		24		30	
Radius (m)	Fixed jib angle (°)							
	10	30	10	30	10	30	10	30
20	25.5	18.9	17.4		10.9			
22	25.3	18.4	16.9		10.4		5.5	
24	24.5	17.9	16.1	9	9.9		5.3	
26	23.8	17.5	15.4	8.8	9.4	4.8	5.1	
28	22.7	17.1	14.7	8.6	9	4.7	4.9	
30	21.7	16.7	14.1	8.4	8.6	4.6	4.7	2.4
32	20.7	16.4	13.6	8.2	8.3	4.5	4.5	2.4
34	19.8	16.1	13.1	8	8	4.4	4.3	2.3
36	18.8	15.8	12.7	7.9	7.7	4.2	4.2	2.3
38	17.2	15.3	12.2	7.7	7.4	4.1	4.1	2.2
40	15.7	14.9	11.7	7.6	7.2	4.1	3.9	2.2
42	14.4	14	11.2	7.5	6.9	4	3.8	2.1
44	13.3	13.5	10.8	7.3	6.7	3.9	3.7	2.1
46	12.3	12.2	10.3	7.2	6.5	3.8	3.6	2
48	11.3	11.2	10	7.1	6.3	3.8	3.5	2
50	10.4	10.3	9.2	7	6.1	3.7	3.3	1.9
52	9.6	9.4	8.5	6.9	5.9	3.7	3.2	1.9
54	8.9	8.7	7.8	6.8	5.7	3.6	3.1	1.9
56	8.2	7.9	7.1	6.6	5.5	3.5	3	1.8
58	7.5	7.3	6.5	6.5	5.3	3.5	2.9	1.8
60	6.9	6.6	6	6.3	5.1	3.4	2.8	1.8
62	6.4	6.1	5.4	6.2	4.9	3.4	2.7	1.7
64	5.9	5.5	5	5.7	4.7	3.4	2.7	1.7
66	5.4	5	4.5	4.9	4.5	3.3	2.6	1.7
68		4.5	4.1	4.6	4.4	3.3	2.5	1.7
70			3.7	4.1	4	3.3	2.4	1.7
72			3.2	3.7	3.6	3.2	2.3	1.6
74				3.3	3.2	3.1	2.2	1.6

MAJOR TECHNICAL PARAMETERS

Items		Units	ZCC2600-2
Max. lifting capacity		t	260
Max. lifting moment		t·m	1332
Main boom operating mode	Main boom length	m	20-86
Luffing jib operating mode	Luffing jib length	m	21-60
	Max. lifting capacity	t	70
	Main boom angle	°	85, 75, 65
	Connection length of main boom	m	23-59
	Max. length of main boom + luffing jib	m	53+60/59+45
Fixed jib operating mode	Fixed jib length	m	12-30
	Max. lifting capacity	t	34.6
	Main boom angle	°	10,30
	Connection length of main boom	m	29-71
	Max. length of main boom + fixed jib	m	71+30
Main hoisting winch (H1)	Max. single rope speed	m/min	143 (the outermost layer)
	Rope diameter	mm	Φ26
Secondary hoisting winch (H2)	Max. single rope speed	m/min	124 (the outermost layer)
	Rope diameter	mm	Φ26
Main boom derricking winch (E)	Max. single rope speed	m/min	65×2 (the outermost layer)
	Rope diameter	mm	Φ24
Luffing jib derricking winch (W1)	Max. single rope speed	m/min	43 (the outermost layer)
	Rope diameter	mm	Φ26
Slewing speed		rpm	0-1.0
Traveling speed		km/h	0-1.1
Ground pressure		MPa	0.105
Dead weight with basic boom		t	204
Rear counterweight		t	77.5
Central ballast		t	24
Engine	Rated power / rotational speed	kW/rpm	247/1900
	Max. output torque / rotational speed	Nm/rpm	1550/1100-1400
	Model	——	WP10G336E344
Distance between two tracks × contact length of track × width of track pad		mm	6400×7950×1200
Transport weight of basic machine		t	39

Note:
1. The value of ground pressure is the mean value of the operating mode with the basic boom.
2. The actual maximum ground pressure is determined according to the actual operating mode.

Matters needing attention

① Weight of slings and rope are contained in lifting capacity charts. The actual weight of load should be smaller than the value in chart.

② Data in lifting capacity charts are provided based on the working condition that the ground is solid and flat and load is freely suspended.

③ Blank spaces with no capacities represent non-operation areas, where operation is prohibited.