

The logo of Zoomlion Heavy Industry Co., Ltd. features the Chinese characters "中联重科" (Zhonglian Zhongke) in a bold, black, sans-serif font. The characters are positioned on a light blue background that has a trapezoidal shape, wider on the left and tapering towards the right.

Zoomlion ZLJ5720JQZ400A all-terrain crane

Technical Specification

ZAT4000A863/27Z

Zoomlion Heavy Industry Co., Ltd.

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Technical Specification

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Machine specifications

Product number

Automotive industry model: ZLJ5720JQZ400A

Engineering industry model: ZAT4000A

Product feature number: ZAT4000A863

Appearance

Main boom: 90m, jib: 45.5m, counterweight: 150t



Main technical parameters table

Table 1 Main technical parameters

	item	unit	numerical value	Remark
Workability Function parameters	Maximum rated total lifting capacity	t	400	
	Maximum lifting moment of basic arm	t.m	1080	
	Maximum lifting moment of full extension arm	t.m	379	
	Maximum lifting height of basic arm	m	15.4	
	Maximum lifting height of main boom	m	90	
	jib maximum lifting height	m	108/128	
Work speed	Main winch single rope maximum speed	m/min	125	
	Boom lifting time	s	80	
	Boom extension time (8 knots)	s	900	
	Swing speed	rpm	0~1.4	
travel parameter	Maximum operating altitude	m	2000	
	Maximum driving speed	km/h	80	
	Maximum grade	%	50	
	Minimum turning diameter	m	24	
	minimum ground clearance	mm	380	
	Exhaust emission limits		National VI b	
	approach angle	°	17	
	departure angle	°	13	
quality parameter	Self-weight in driving state (total mass)	kg	72000	
	Vehicle quality	kg	71805	
	Single bridge axle load	kg	12000	
size parameter	Overall dimensions (length × width × height)	mm	17980×3000×4000	
	Lateral distance of outriggers	m	8.8	
	Longitudinal distance of outriggers	m	9.1	
	Counterweight tail turning radius	mm	6700	
	Main arm length	mm	15.4~90	
	Main boom elevation angle	°	-0.4~82	
	Light jib length	m	20~28	Optional 37.5, 45.5
	Heavy duty jib length	m	Optional 13~41	Combination length 13, 17, 21, 25~33~41
other	Super lifting device		Y-type single-chip super lift	Optional
	Main boom telescopic form		Top pin single cylinder latch	
	Luffing mode		Double cylinder luffing	

Optional parts list

Table 2 Optional parts list

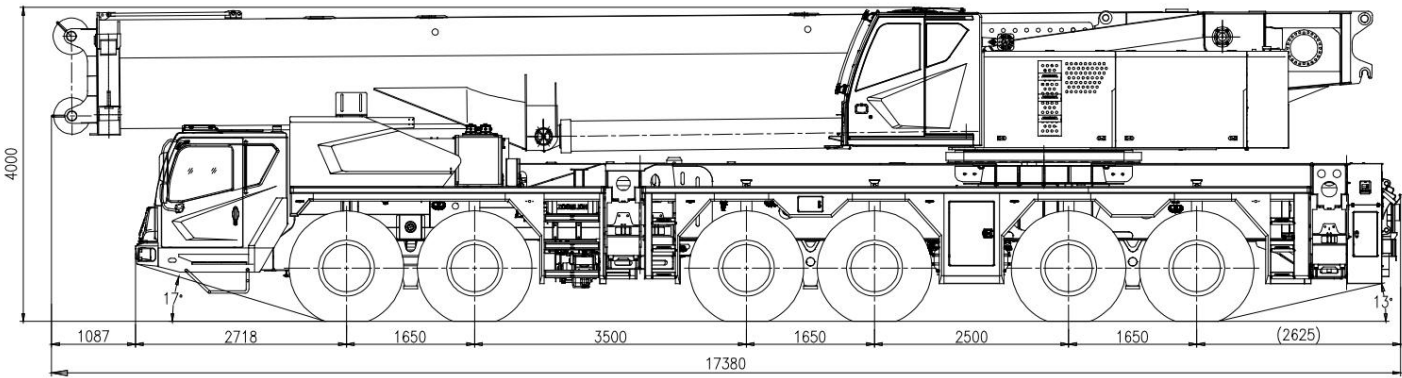
serial number	name	Remark
1	The super-lifting device includes the	super-lifting assembly, etc.
2	standard sections and installation include	2 standard sections + 2 conversion sections
3	Heavy-duty jib optional	Contains A-frame heavy-duty jib + goose-head jib + 1-section luffing heavy-duty jib
4	hooks Bag	Standard 130t, 40t, optional 220t, 160t, 80t, 25t, 12t

Travel size parameters (unit: mm)

γ Highway driving (55 tons announcement) driving mode: without hook, movable counterweight, jib, arm tip pulley, goose head frame, front and rear movable outriggers,

Main and auxiliary winches, main and auxiliary winches wire ropes, front 2 to 8 sections of arms.

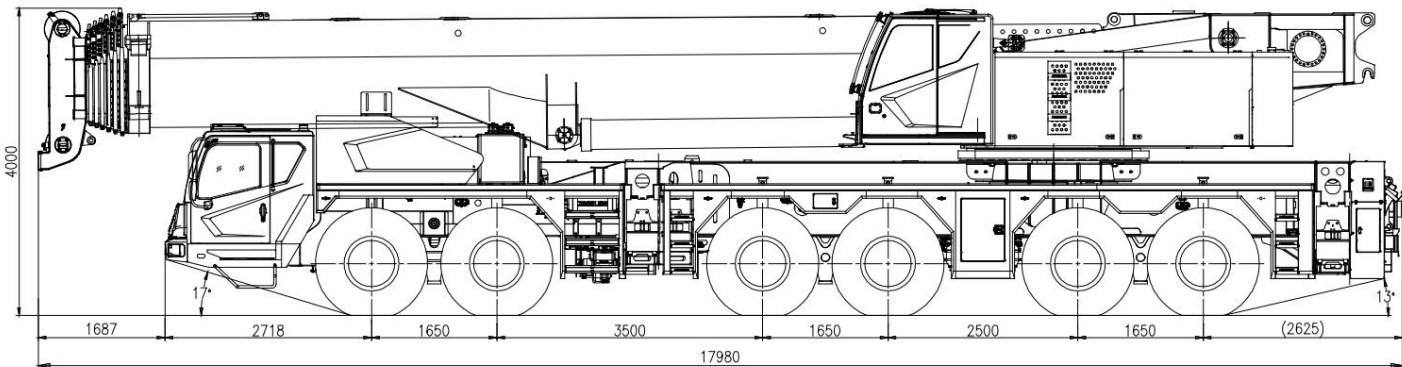
It is suitable for vehicles traveling long distances, keeping the vehicle speed below 80km/h, and the maximum allowable gradient: 50%.



γ Highway driving (72 tons announcement) driving mode: without hook, movable counterweight, jib, arm tip pulley, goose head frame, front and rear movable outriggers,

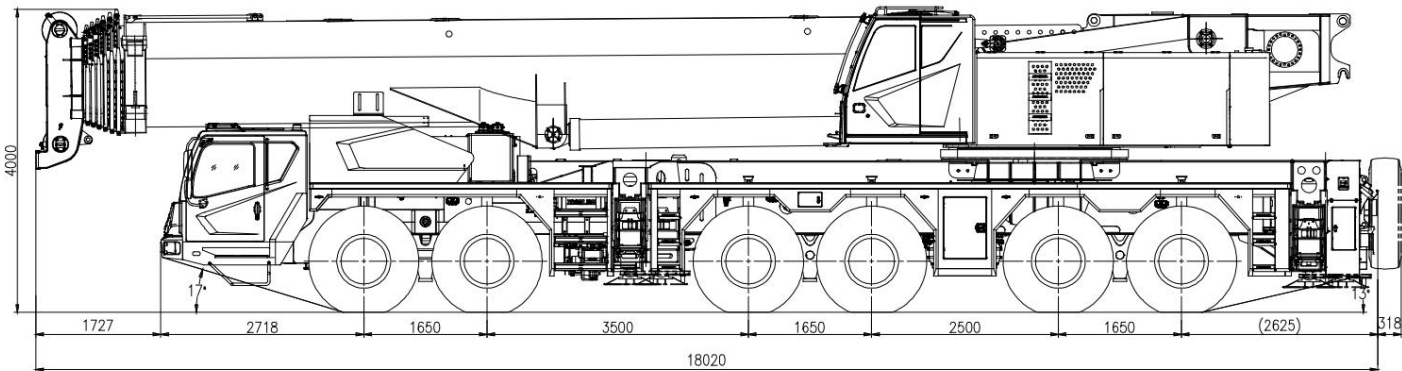
Main and auxiliary winches, main and auxiliary winches wire ropes, front 5-8 sections of arms.

It is suitable for vehicles traveling long distances, keeping the vehicle speed below 80km/h, and the maximum allowable gradient: 50%.



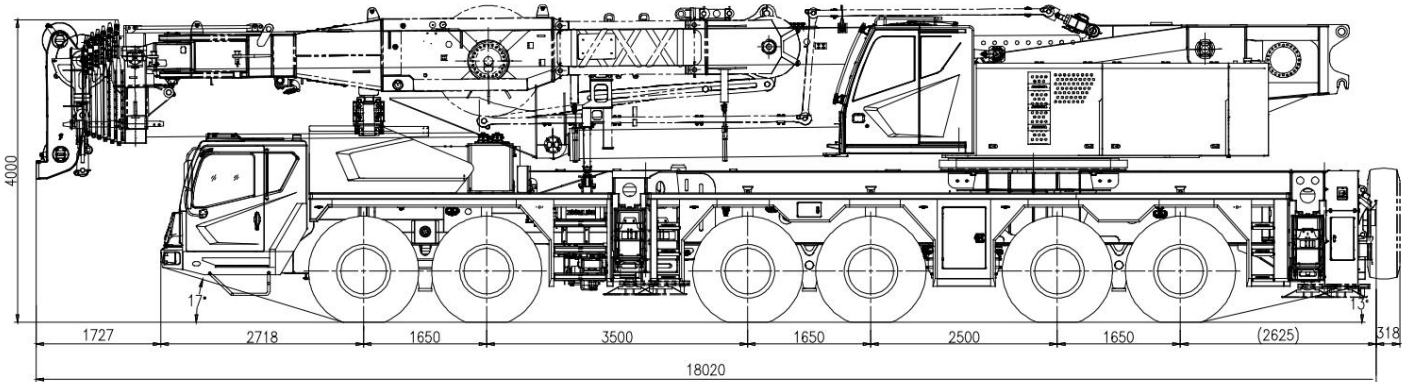
γThe basic configuration of the eight-section arm is non-road transition mode: without hook, movable counterweight, jib, arm tip pulley, and goose head frame.

It is suitable for short-distance non-road transfer of vehicles, keeping the vehicle speed below 30km/h, and the maximum allowable gradient: 45%.



ÿ Eight-section arm super-lift non-road transition mode: with super-lift, without hook, movable counterweight, jib, arm tip pulley, goose head frame.

It is suitable for short-distance off-road transfers of vehicles, keeping the vehicle speed below 20km/h, and the maximum allowable gradient: 39%.



Driving weight (unit: t)

Table 3 Weight distribution table for each driving state

	1	2	3	4	5	6	Total weight (t)
ÿ	8	8	8	8	11.495	11.495	54.99
ÿ	12	12	12	12	12	12	72
ÿ	14.8	14.8	14.8	14.8	16	16	91.2
ÿ	19.6	19.6	19.6	19.6	14.1	14.1	106.6

Hook (needs to be shipped separately)

Table 4 Hook parameter table

Specification	weight (t)	Transport size (mm)	magnification	single/double hook mark/optional	
220t	3.42	3292×1157×800		22 double hook	Optional
160t	2.7	1980×990×800		15 double hook	Optional
130t	2.1	1980×990×800		15 double hook	Standard configuration
80t	2.1	1820×800×700	7	double hook	Optional
40t	1.4	1750×750×500	3	single hook	Standard configuration
25t	0.9	1732×750×408	3	single hook	Optional
12t	0.7	1020×748	1	Vice hook	Optional

wire rope

Table 5 Wire rope parameter table

	Diameter(mm)	Length(m)	Maximum single rope tension (t)
main hoisting rope	f24	500	13
Super lifting wire rope	f34	195	36

Counterweight (needs to be transported separately)

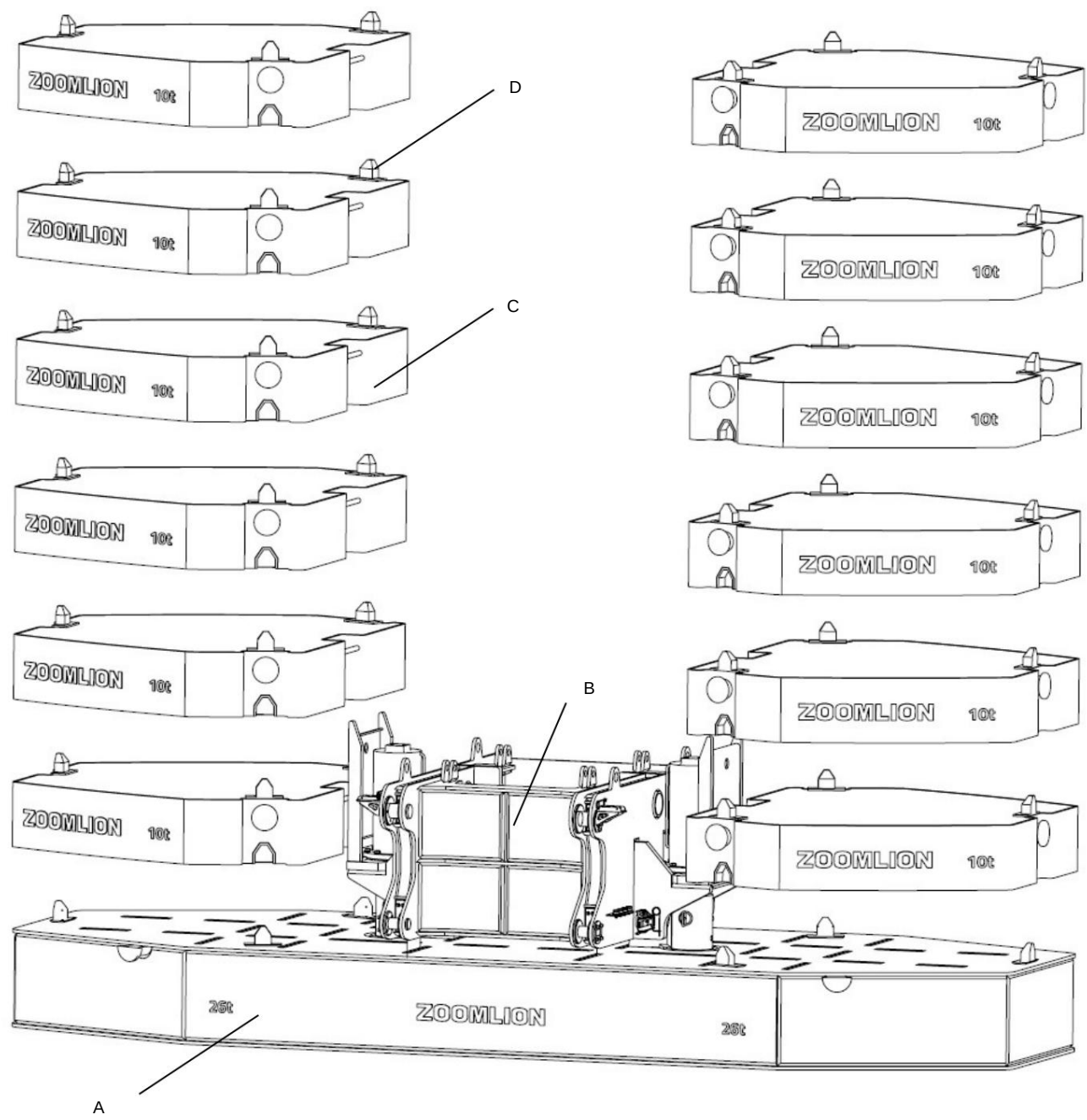


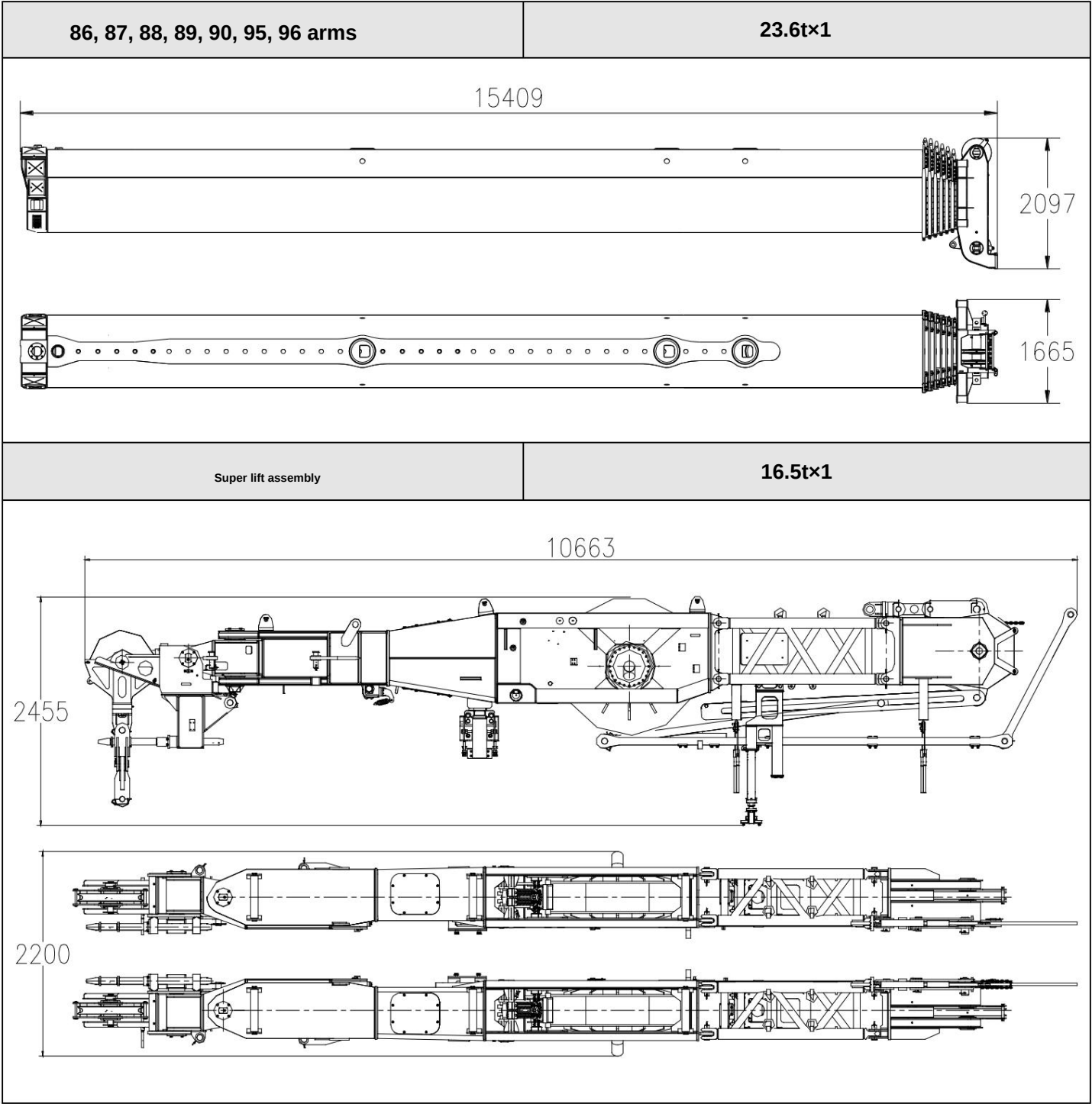
Table 6 Counterweight parameter table

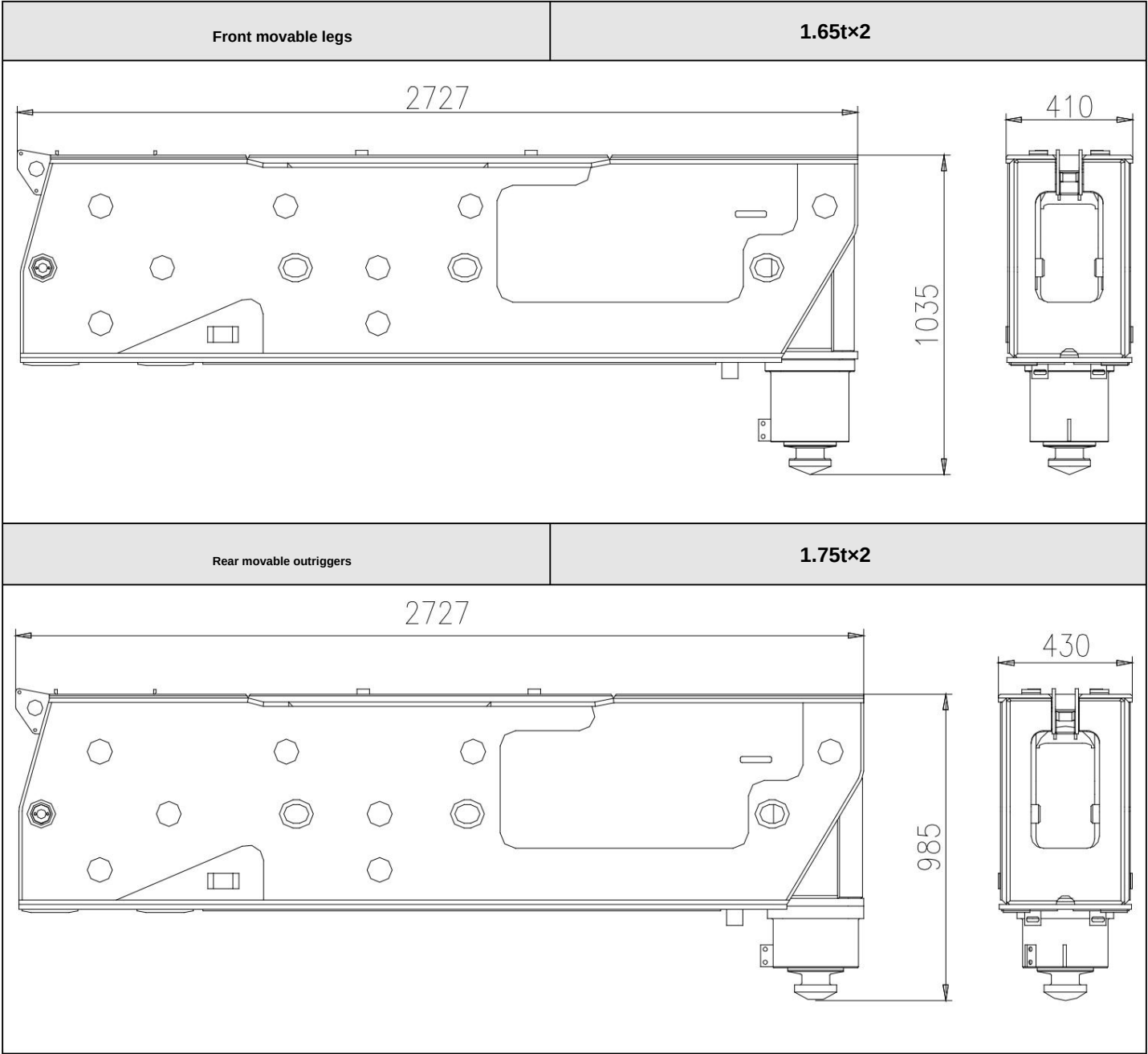
	name	Weight(t)	Transport size (m)	Quantity / piece)
A	bottom weight	26	6.50×2.40×0.93	1
B	Counterweight rack	4	2.325×2.335×1.34	1
C	side weights	10	2.01×2.41×0.52	8
D	Side weights (optional)	10	2.01×2.41×0.52	4

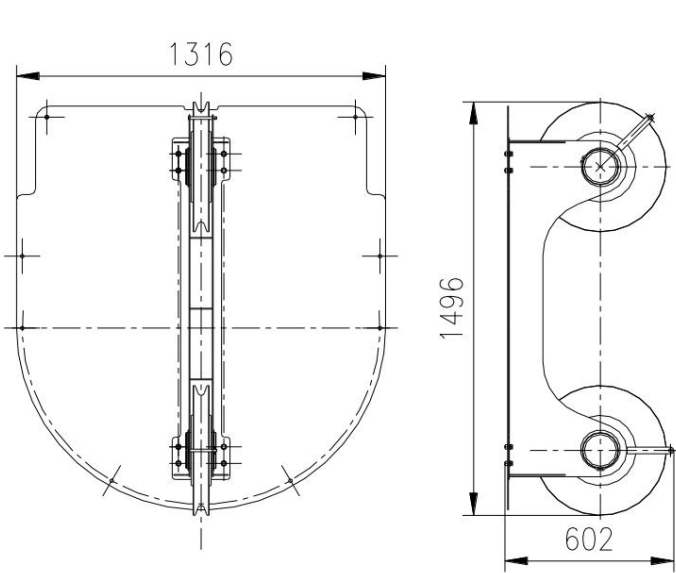
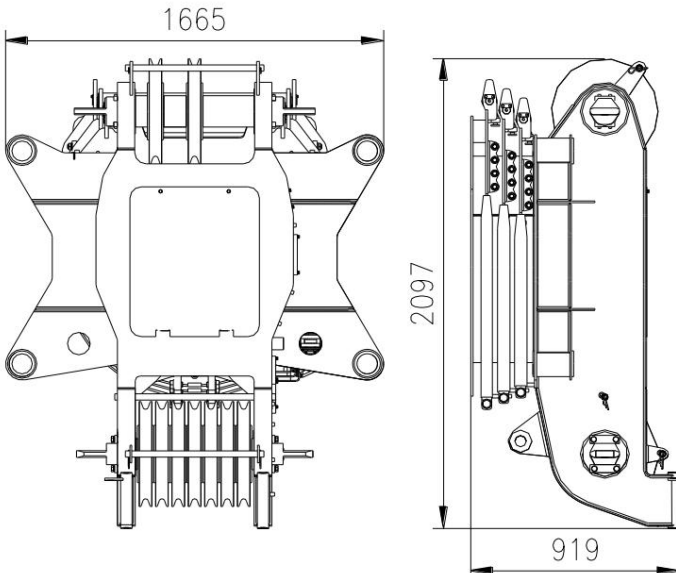
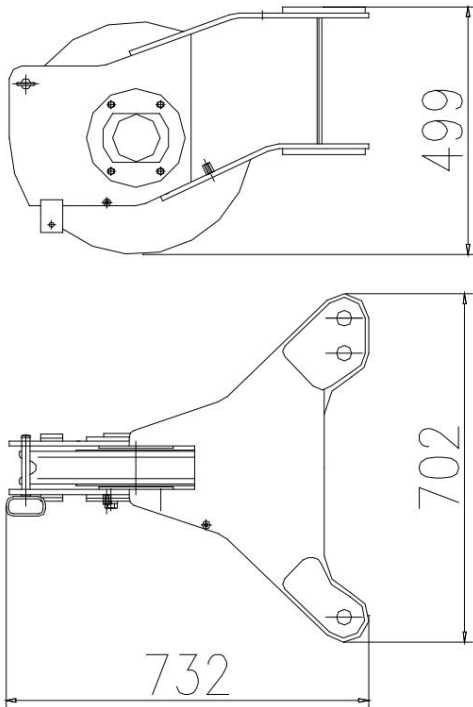
Table 7 Counterweight working condition combination table (unit: pieces)

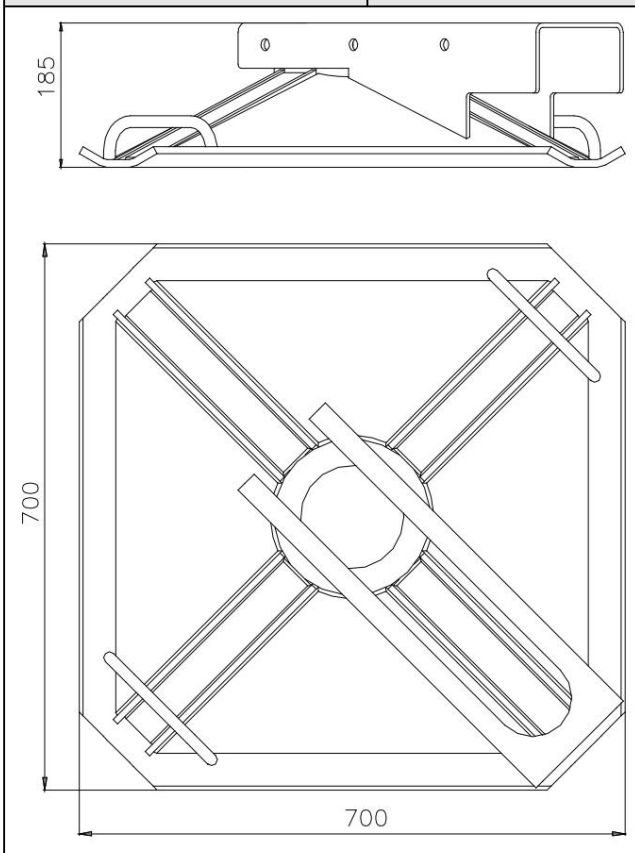
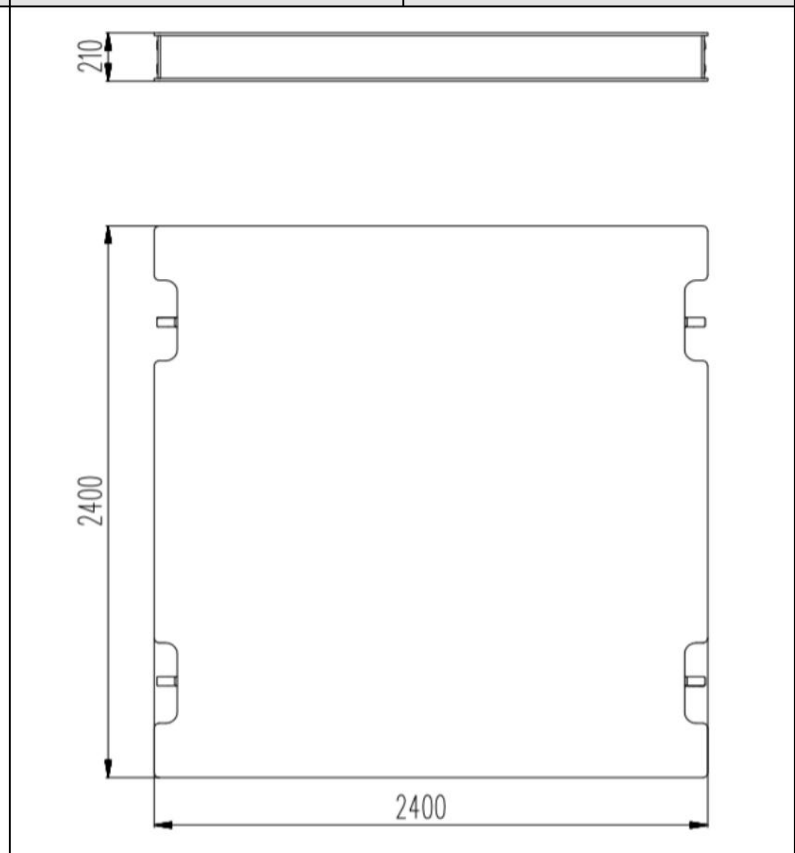
Working condition combination	A	B	C	D
0t	0	0	0	0
30t	1	1	0	0
50t	1	1	2	0
70t	1	1	4	0
90t	1	1	6	0
110 hours	1	1	8	0
150t	1	1	8	4

Major disassembly of shipping components



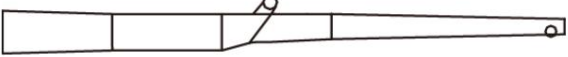
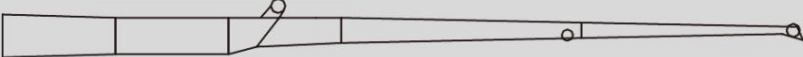
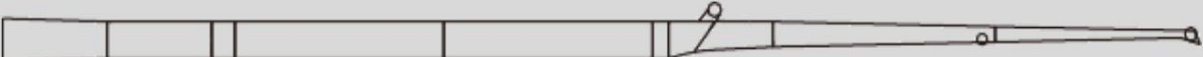


Counterweight arm assembly (for 55 tons announcement)	0.08t×1 counterweight arm assembly (for 72 tons announcement)	1t×1
		
Arm tip pulley	0.092t×4	
		

foot plate	0.074t×4	Outrigger large pad:	1.7t×4
			

Boom combination solution

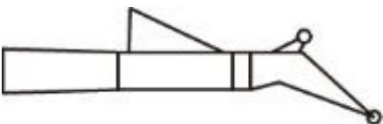
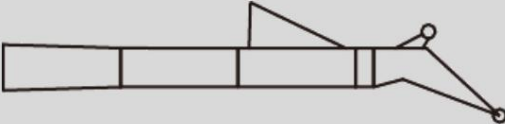
Lightweight jib

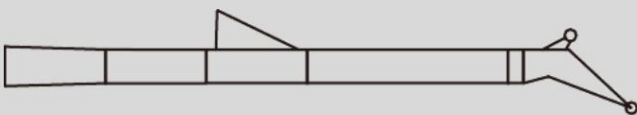
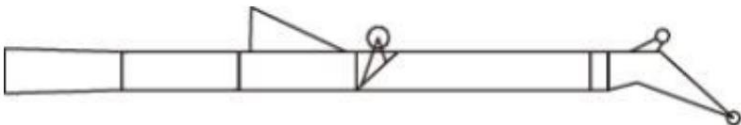
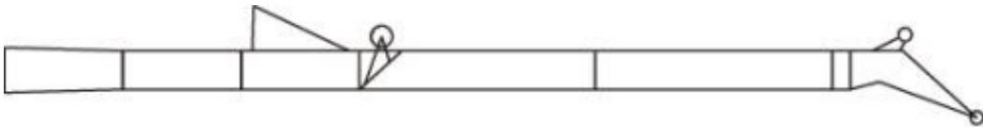
20 meters	
28 meters	
37.5 meters	
45.5 meters	

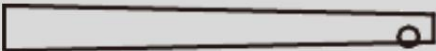
Super light jib

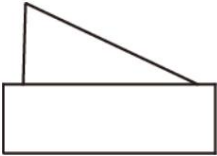
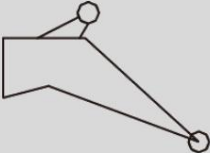
24.5 meters	
32.5 meters	
40.5 meters	
48.5 meters	

Super heavy duty jib

13 meters	
17 meters	

21 meters	
25 meters	
25 meters	
33 meters	
33 meters	
41 meters	

part	structure type	Dimensions (length*width*height) mm	Weightkg
4m transition section		4000×920×1530	550
The first section of heavy-duty jib		4000×920×1300	550
Connecting frame		4000×920×1300	800
first jib		8000×600×900	540

Second jib		7500×400×550	450
8m heavy duty jib		8000×920×1300	1000
Transition rack		900×920×1300	200
transitional festival		600×920×1300	150
A-frame standard section		4000×920×1300	1050
goose head frame		4300×920×2260	750
Luffing heavy-duty jib		8000×920×1300	1300

Working condition combination form



main arm

jib

Overlift the main boom
(Optional)

Super light jib
(Optional)

Super heavy duty jib
(Optional)

Lifting weight table/lifting curve chart

Main boom working condition: 15.4m-90m

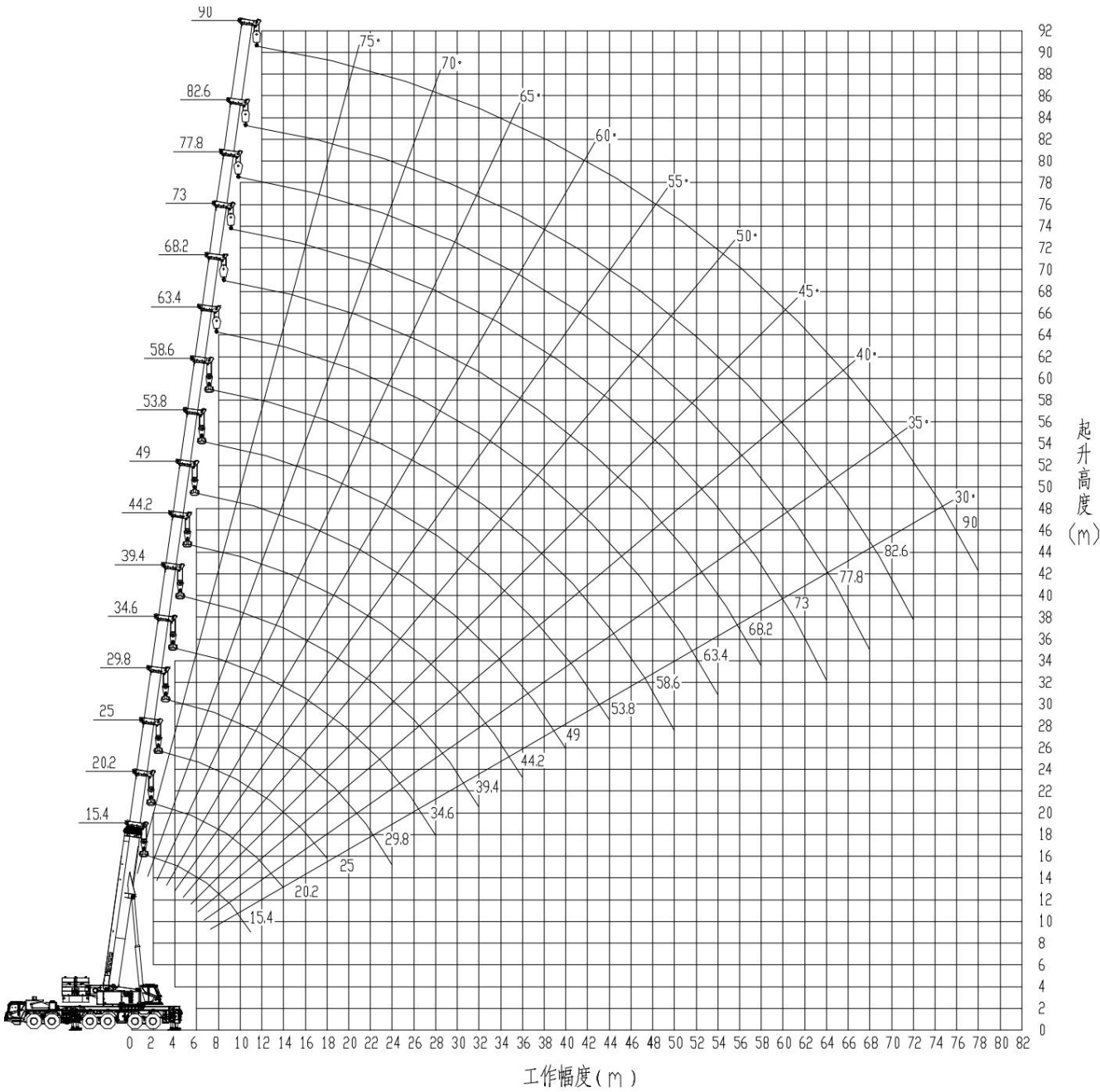


Table 8-1 Main boom rated lifting capacity



Unit: tons

The legs are fully extended 8.8m, 110t counterweight, all-round operation																
Work Amplitude ym	Arm length (m)															Work Amplitude ym
	15.4 20.2		25	29.8 34.6	39.4 44.2 49.5	53.8 58.6 63.4	68.2							73	77.8	
2.5	400*															2.5
3.0	350*	165*														3.0
3.5	190*	165*	160*													3.5
4.0	180*	164*	160*	140*												4.0
4.5	170*	157*	153*	140*												4.5
5.0	163*	148*	145*	140*	120											5.0
6.0	150*	138*	134*	130	120	100										6.0
7.0	141*	125	122	120	120	100	88									7.0
8.0	130	117	113	110	110	100	83	64								8.0
9.0	120	110	104	102	102	96	78	61								9.0
10.0	105	100	96	94	93	88	75	58	56							10.0
11.0	95	94	92	88	86	82	71	55	53	50						11.0
12.0		86	85	83	81	76	67	52.5	51	49	40					12.0
14.0		73	72	72	71	67	60	47.5	47	45.5	38.5	33				14.0
16.0			62	62	63	61	55	43.5	42	41	36.5	30.5	26			16.0
18.0			54	54	55	53	49	40	38	37	32.5	28	24.5	21		18.0
20.0				46	48	49	45	37.2	35	33.5	29.5	26.5	23.5	20		20.0
22.0				40	42	43	42	34.5	32	30.5	27	24.5	22.5	19		22.0
24.0				35	37	38	38	32	29.5	27.8	25	22.5	20.8	18.5		24.0
26.0					32.5	33.5	34	30	27.5	25.6	23	20.5	19.5	17.8		26.0
28.0					28.5	30	31	28	25.5	23.6	21	19.5	18	16.8		28.0
30.0						27	28	26.5	23.5	21.6	19.5	18.5	17	15.8		30.0
32.0						23.5	25	25	22	20.2	17.5	16.5	16	14.8		32.0
34.0							22.5	24	20	18.8	16.5	15.5	15	13.8		34.0
36.0							20.5	21.5	19	17.8	15.5	14.5	14	13		36.0
38.0								20	18	16.6	14.5	13.5	13	12.5		38.0
40.0								18	17	15.4	13.6	12.5	12	11.5		40.0
42.0									15.2	14.4	12.7	11.8	11.2	11		42.0
44.0									14	13.4	12	11	10.4	10.3		44.0
46.0										12.4	11.2	10.3	9.8	9.8		46.0
48.0										11.5	10.5	9.8	9.3	9.2		48.0
50.0										10.2	9.8	9.1	8.7	8.6		50.0
52.0											9	8.5	8.2	7.9		52.0
54.0											8.5	8	7.7	7.4		54.0
56.0												7.4	7.2	6.8		56.0
58.0												6.8	6.7	6.4		58.0
60.0													6.2	6		60.0
62.0													5.7	5.5		62.0
64.0													5.3	5.1		64.0
66.0														4.8		66.0
68.0														4.5		68.0
Magnification 14		14	14	13	11	9	8	6	5	5	4	3	3	2 magnification		
Hook		130 ton hook										40 ton hook				Hook
stretch	y	1	1	2	2	2	2	2	2	3	3	3	3	3	3	y
	y 1 y 1		2	2	2	2	2	2	2	2	3	3	3	3	3 y	
shrink			1	1	2	2	2	2	2	2	2	3	3	3	3 y	
	y 1 y 1		1	1	1	2	2	2	2	2	2	2	3	3	3 y	
direction			1	1	1	1	2	2	2	2	2	2	2	3	3 y	
	y 1 y 1		1	1	1	1	1	2	2	2	2	2	2	2	3 y	
Mode			1	1	1	1	1	1	2	2	2	2	2	2	3 y	
			1	1	1	1	1	1	2	2	2	2	2	2	2 y	

Note: The rated lifting capacity marked with * uses other optional hooks.

Table 8-2 Main boom rated lifting capacity



Unit: tons

The legs are fully extended 8.8m, 110t counterweight, all-round operation															
Work Amplitude ÿmÿ	Arm length (m)														Work Amplitude ÿmÿ
	82.6	90													
18.0															18.0
20.0	16														20.0
22.0	15.5	11													22.0
24.0	14.5	11													24.0
26.0	14.2	10.8													26.0
28.0	13.6	10.6													28.0
30.0	13	10.4													30.0
32.0	12.5	10													32.0
34.0	12	9.7													34.0
36.0	11.5	9.4													36.0
38.0	11	9.2													38.0
40.0	10.6	9													40.0
42.0	10.3	8.7													42.0
44.0	9.8	8.4													44.0
46.0	9.4	8.1													46.0
48.0	8.9	7.9													48.0
50.0	8.4	7.5													50.0
52.0	7.9	7													52.0
54.0	7.5	6.6													54.0
56.0	6.9	6													56.0
58.0	6.5	5.6													58.0
60.0	6.1	5.2													60.0
62.0	5.7	4.8													62.0
64.0	5.3	4.5													64.0
66.0	5	4.2													66.0
68.0	4.7	3.9													68.0
70.0	4.4	3.6													70.0
72.0	4.1	3.3													72.0
74.0		3.1													74.0
76.0		2.9													76.0
78.0		2.7													78.0
Magnification		2													magnification
2 hook 40 tons hook ÿ ÿ															Hook
stretch shrink direction Mode		3	4												ÿ
		3	4												ÿ
	ÿ 3 ÿ 3		4												ÿ
			4												ÿ
	ÿ 3 ÿ 3		4												ÿ
			4												ÿ
	ÿ 3		4												ÿ

Table 9-1 Main boom rated lifting capacity



Unit: tons

Outriggers fully extended 8.8m, 90t counterweight, all-round operation																	
Work Amplitude ymj	Arm length (m)														Work Amplitude		
	15.4 20.2		25	29.8 34.6	39.4 44.2			49	53.8 58.6	63.4 68.2			73	77.8 ymj			
3.0	190*	165*													3.0		
3.5	190*	165*	160*												3.5		
4.0	180*	164*	160*	140*											4.0		
4.5	170*	157*	153*	140*											4.5		
5.0	163*	148*	145*	140*	120										5.0		
6.0	150*	138*	134*	130	120	100									6.0		
7.0	141*	125	122	120	120	100	88								7.0		
8.0	125	115	113	110	110	100	83	64							8.0		
9.0	115	105	102	100	102	96	78	61							9.0		
10.0	100	98	94	90	93	88	75	58	56						10.0		
11.0	90	90	89	85	84	82	71	55	53	50					11.0		
12.0		82	80	79	77	76	67	52.5	51	49	40				12.0		
14.0		70	69	70	69	65	60	47.5	47	45.5	38.5	33			14.0		
16.0			57	58	60	59	55	43.5	42	41	36.5	30.5	26		16.0		
18.0			48	49	50	51	47	40	38	37	32.5	28	24.5	21	18.0		
20.0				41	42	43	42	37.2	35	33.5	29.5	26.5	23.5	20	20.0		
22.0				34	35	36	37	34.5	32	30.5	27	24.5	22.5	19	22.0		
24.0				29	30	31	32	31	29	27.8	25	22.5	20.8	18.5	24.0		
26.0					26.5	27.5	28.5	29	27	25.6	23	20.5	19.5	17.8	26.0		
28.0					23	24	25	26.5	25	23.6	21	19.5	18	16.8	28.0		
30.0						21.5	22.5	24	23	21.6	19.5	18.5	17	15.8	30.0		
32.0						19	20	21	20	19.5	17.5	16.5	16	14.8	32.0		
34.0							18	19	18	18	16.5	15.5	15	13.8	34.0		
36.0							16	17	16	16	15.5	14.5	14	13	36.0		
38.0								15	14	14	14	13.5	13	12.5	38.0		
40.0								14	13	13	13	12.5	12	11.5	40.0		
42.0									11.8	11.6	11.6	11.5	11.2	11	42.0		
44.0									10.2	10	10	10.5	10.4	10.3	44.0		
46.0										9.2	9.2	9.6	9.8	9.8	46.0		
48.0										8.3	8.3	8.7	9.2	9.2	48.0		
50.0										7.3	7.3	7.7	8.2	8.6	50.0		
52.0											6.6	7	7.5	7.7	52.0		
54.0											5.9	6.3	6.8	7.2	54.0		
56.0												5.6	6.2	6.6	56.0		
58.0												5	5.5	6	58.0		
60.0													4.9	5.5	60.0		
62.0													4.3	4.9	62.0		
64.0													3.8	4.3	64.0		
66.0														3.8	66.0		
68.0														3.3	68.0		
70.0															70.0		
Magnification 14		14	14	13	11	9	8	6	5	5	4	3	3	2 magnification			
Hooky		130 ton hook										40 ton hook				Hook	
stretch shrink direction Mode	1	1	2	2	2	2	2	2	2	3	3	3	3	3	y	stretch shrink direction Mode	
	1	2	2	2	2	2	2	2	2	2	3	3	3	3	y		
	1	1	1	2	2	2	2	2	2	2	3	3	3	3	y		
	1	1	1	1	2	2	2	2	2	2	2	3	3	3	y		
Mode	1	1	1	1	1	2	2	2	2	2	2	2	2	3	y	Mode	
	1	1	1	1	1	1	1	2	2	2	2	2	2	2	y		

Note: The rated lifting capacity marked with * uses other optional hooks.

Table 9-2 Main boom rated lifting capacity



Unit: tons

Outriggers fully extended 8.8m, 90t counterweight, all-round operation															
Work Amplitude ÿmÿ	Arm length (m)														Work Amplitude ÿmÿ
	82.6	90													
18.0															18.0
20.0	16														20.0
22.0	15.5	11													22.0
24.0	14.5	11													24.0
26.0	14.2	10.8													26.0
28.0	13.6	10.6													28.0
30.0	13	10.4													30.0
32.0	12.5	10													32.0
34.0	12	9.7													34.0
36.0	11.5	9.4													36.0
38.0	11	9.2													38.0
40.0	10.6	9													40.0
42.0	10.3	8.7													42.0
44.0	9.8	8.4													44.0
46.0	9.4	8.1													46.0
48.0	8.9	7.9													48.0
50.0	8.4	7.5													50.0
52.0	7.9	7													52.0
54.0	7.5	6.6													54.0
56.0	6.6	6													56.0
58.0	6.3	5.6													58.0
60.0	6	5.2													60.0
62.0	5.5	4.8													62.0
64.0	4.9	4.5													64.0
66.0	4.4	4.1													66.0
68.0	4	3.7													68.0
70.0	3.5	3.3													70.0
72.0	3.1	2.9													72.0
74.0		2.6													74.0
76.0		2.3													76.0
78.0		2													78.0
magnification 2		2													magnification
hook 40 tons hook ÿ															Hook
stretch shrink direction Mode		3	4												ÿ
	ÿ 3 ÿ 3		4												ÿ
			4												ÿ
	ÿ 3 ÿ 3		4												ÿ
			4												ÿ
	ÿ 3 ÿ 3		4												ÿ

Table 10-1 Main boom rated lifting capacity



Unit: tons

The outriggers are fully extended 8.8m, 70t counterweight, all-round operation																
Work Amplitude ymý	Arm length (m)														Work Amplitude ymý	
	15.4 20.2		25	29.8 34.6	39.4 44.2			49	53.8 58.6	63.4 68.2			73	77.8		
3.0	190*	165*													3.0	
3.5	190*	165*	160*												3.5	
4.0	180*	164*	160*	140*											4.0	
4.5	170*	157*	153*	140*											4.5	
5.0	163*	148*	145*	140*	120										5.0	
6.0	150*	138*	134*	130	120	100									6.0	
7.0	137*	120	118	120	120	100	88								7.0	
8.0	120	110	108	108	110	100	83	64							8.0	
9.0	110	100	98	96	96	96	78	61							9.0	
10.0	95	95	92	88	86	88	75	58	56						10.0	
11.0	85	85	84	84	79	82	71	55	53	50					11.0	
12.0		71	70	71	72	72	67	52.5	51	49	40				12.0	
14.0		56	55	56	57	59	56	47.5	47	45.5	38.5	33			14.0	
16.0			43	44	45	46.5	48	43.5	42	41	36.5	30.5	26		16.0	
18.0			35	36	37	38.5	40	40	38	37	32.5	28	24.5	21	18.0	
20.0				30	31	32.5	34	34	34	32	29.5	26.5	23.5	20	20.0	
22.0				25	26	27.5	29	30	29.5	29	27	24.5	22.5	19	22.0	
24.0				21	22	23.5	25	26	25.5	25.5	24	22.5	20.8	18.5	24.0	
26.0					19.5	21	22	23	22.5	22.5	22.5	20.5	19.5	17.8	26.0	
28.0					17	18	19	20	19.5	19.5	19.5	19.5	18	16.8	28.0	
30.0						16	17	18	17.2	17.2	17.2	17.6	17	15.8	30.0	
32.0						14	15	16	15.2	15.2	15.2	15.6	15.8	14.8	32.0	
34.0							13	14	13.2	13.2	13.3	13.7	14.2	13.8	34.0	
36.0							11.6	12.6	11.8	11.6	11.7	12	12.5	13	36.0	
38.0								11.4	10.5	10.3	10.4	10.7	11.2	11.8	38.0	
40.0								10.2	9.2	9.1	9.2	9.5	10	10.7	40.0	
42.0									8.2	8	8.1	8.4	8.9	9.5	42.0	
44.0									7.2	7	7.1	7.4	7.9	8.5	44.0	
46.0										6.1	6.2	6.5	7	7.6	46.0	
48.0										5.2	5.3	5.6	6.1	6.8	48.0	
50.0										4.5	4.6	4.9	5.4	6.1	50.0	
52.0											3.9	4.2	4.7	5.3	52.0	
54.0											3.2	3.5	4	4.6	54.0	
56.0												3	3.5	4.1	56.0	
58.0												2.4	2.9	3.5	58.0	
60.0													2.4	3	60.0	
62.0													1.9	2.5	62.0	
64.0													1.5	2.1	64.0	
66.0														1.6	66.0	
68.0														1.2	68.0	
70.0															70.0	
Magnification	14	14	14	13	11	9	8	6	5	5	4	3	3	2 magnification		
Hook	130 ton hook										40 ton hook					Hook
stretch	1	1	2	2	2	2	2	2	2	3	3	3	3	3 y	stretch	
	1	2	2	2	2	2	2	2	2	2	3	3	3	3 y		
shrink	1	1	2	2	2	2	2	2	2	2	3	3	3	3 y	shrink	
	1	1	1	1	2	2	2	2	2	2	2	3	3	3 y		
direction	1	1	1	1	2	2	2	2	2	2	2	2	3	3 y	direction	
	1	1	1	1	1	2	2	2	2	2	2	2	3	3 y		
Mode	1	1	1	1	1	1	2	2	2	2	2	2	2	3 y	Mode	
	1	1	1	1	1	1	1	2	2	2	2	2	2	2 y		

Note: The rated lifting capacity marked with * uses other optional hooks.

Table 10-2 Main boom rated lifting capacity



Unit: tons

The outriggers are fully extended 8.8m, 70t counterweight, all-round operation															
Work Amplitude ÿmÿ	Arm length (m)														Work Amplitude ÿmÿ
	82.6	90													
18.0															18.0
20.0	16														20.0
22.0	15.5	11													22.0
24.0	14.5	11													24.0
26.0	14.2	10.8													26.0
28.0	13.6	10.6													28.0
30.0	13	10.4													30.0
32.0	12.5	10													32.0
34.0	12	9.7													34.0
36.0	11.5	9.4													36.0
38.0	11	9.2													38.0
40.0	10.6	9													40.0
42.0	10.2	8.7													42.0
44.0	9.1	8.4													44.0
46.0	8.2	8													46.0
48.0	7.4	7.4													48.0
50.0	6.7	6.7													50.0
52.0	5.9	5.9													52.0
54.0	5.2	5.2													54.0
56.0	4.7	4.7													56.0
58.0	4.1	4.1													58.0
60.0	3.6	3.6													60.0
62.0	3.1	3.1													62.0
64.0	2.6	2.6													64.0
66.0	2.2	2.2													66.0
68.0	1.8	1.8													68.0
70.0	1.5	1.5													70.0
72.0	1.1	1.1													72.0
74.0															74.0
76.0															76.0
78.0															78.0
Magnification		2													magnification
2 hook 40 tons hook ÿ ÿ															Hook
stretch shrink direction Mode		3	4												ÿ
		3	4												ÿ
	ÿ 3 ÿ 3		4												ÿ
			4												ÿ
	ÿ 3 ÿ 3		4												ÿ
			4												ÿ
	ÿ 3		4												ÿ

Table 11-1 Main boom rated lifting capacity



Unit: tons

The legs are fully extended 8.8m, 50t counterweight, all-round operation															
Work Amplitude ymj	Arm length (m)														Work Amplitude ymj
	15.4 20.2		25	29.8 34.6	39.4 44.2			49	53.8 58.6	63.4 68.2			73	77.8	
3.0	190*	165*													3.0
3.5	190*	165*	160*												3.5
4.0	180*	164*	160*	140*											4.0
4.5	170*	157*	153*	140*											4.5
5.0	163*	148*	145*	140*	120										5.0
6.0	145*	135*	132*	130	120	100									6.0
7.0	130	117	116	117	120	100	88								7.0
8.0	112	108	106	105	104	100	83	64							8.0
9.0	100	98	96	95	92	88	78	61							9.0
10.0	83	84	82	83	85	82	75	58	56						10.0
11.0	70	71	69	70	72	74	71	55	53	50					11.0
12.0		55	54	55	56	58	56	52.5	51	49	40				12.0
14.0		43	42	43	44	46	47.5	47.5	47	44	38.5	33			14.0
16.0			33	34	35	37	38.5	41.5	42	39	36.5	30.5	26		16.0
18.0			26	27	28	30	31.5	33	32	31.8	32	28	24.5	21	18.0
20.0				22.5	23.5	25	26.5	27.5	26.5	26.3	26.5	25.5	23.5	20	20.0
22.0				18.5	19.5	21	22.5	23.5	22.5	22.3	22.5	22.9	21	19	22.0
24.0				15.5	16.5	17.5	19	20	19	18.8	19	19.4	20	18.5	24.0
26.0					14	15	16	17.2	16.2	16	16.2	16.6	17.2	17	26.0
28.0					11.5	12.5	13.5	14.7	13.7	13.5	13.7	14.1	14.7	15.3	28.0
30.0						10.5	11.5	12.7	11.7	11.5	11.7	12.1	12.7	13.3	30.0
32.0						9	10	11.2	10.2	10	10.2	10.6	11.2	11.8	32.0
34.0							8.8	10	9	8.8	9	9.3	9.8	10.4	34.0
36.0							7.5	8.5	7.5	7.3	7.5	7.8	8.3	8.9	36.0
38.0								7.5	6.5	6.3	6.3	6.6	7.1	7.7	38.0
40.0								6.4	5.4	5.2	5.2	5.5	6	6.6	40.0
42.0									4.5	4.3	4.3	4.6	5.1	5.7	42.0
44.0									3.6	3.4	3.4	3.7	4.2	4.8	44.0
46.0										2.8	2.8	3.1	3.6	4.2	46.0
48.0										2.1	2.2	2.5	2.9	3.5	48.0
50.0										1.5	1.6	1.9	2.3	2.9	50.0
52.0												1.5	1.9	2.4	52.0
54.0													1.3	1.8	54.0
56.0														1.4	56.0
58.0															58.0
60.0															60.0
62.0															62.0
64.0															64.0
66.0															66.0
68.0															68.0
70.0															70.0
Magnification 14		14	14	13	11	9	8	6	5	5	4	3	3	2 magnification	
Hook		130 ton hook									40 ton hook				Hook
stretch shrink direction Mode	1	1	2	2	2	2	2	2	3	3	3	3	3	3	y
	1	2	2	2	2	2	2	2	2	3	3	3	3	3	y
	1	1	1	2	2	2	2	2	2	2	3	3	3	3	y
	1	1	1	1	2	2	2	2	2	2	2	3	3	3	y
Mode	1	1	1	1	1	2	2	2	2	2	2	2	2	3	y
	1	1	1	1	1	1	1	2	2	2	2	2	2	2	y

Note: The rated lifting capacity marked with * uses other optional hooks.



Table 11-2 Main boom rated lifting capacity

Unit: tons

The legs are fully extended 8.8m, 50t counterweight, all-round operation														
Work Amplitude ÿmÿ	Arm length (m)													Work Amplitude ÿmÿ
	82.6	90												
18.0														18.0
20.0	16													20.0
22.0	15.5	11												22.0
24.0	14.5	11												24.0
26.0	14.2	10.8												26.0
28.0	13.6	10.6												28.0
30.0	13	10.4												30.0
32.0	12	10												32.0
34.0	11	9.1												34.0
36.0	9.5	8.9												36.0
38.0	8.3	8.3												38.0
40.0	7.2	7.2												40.0
42.0	6.3	6.3												42.0
44.0	5.4	5.4												44.0
46.0	4.8	4.8												46.0
48.0	4.1	4.1												48.0
50.0	3.5	3.5												50.0
52.0	3	3												52.0
54.0	2.4	2.4												54.0
56.0	2	2												56.0
58.0	1.6	1.6												58.0
60.0	1.2	1.2												60.0
62.0														62.0
64.0														64.0
66.0														66.0
68.0														68.0
70.0														70.0
72.0														72.0
74.0														74.0
76.0														76.0
78.0														78.0
Magnification		2												magnification
2 hook 40 tons hook ÿ ÿ														Hook
stretch shrink direction Mode		3	4											ÿ
		3	4											ÿ
	ÿ 3 ÿ 3		4											ÿ
			4											ÿ
	ÿ 3 ÿ 3		4											ÿ
			4											ÿ
	ÿ 3		4											ÿ

Table 12-1 Rated lifting capacity of main boom, fully



Unit: tons

extended outriggers of 8.8m, 30t counterweight, all-round operation															
Work Amplitude ȳmȳ	Arm length (m)														Work Amplitude ȳmȳ
	15.4 20.2		25	29.8 34.6	39.4 44.2			49	53.8 58.6	63.4 68.2			73	77.8	
3.0	190*	165*													3.0
3.5	190*	165*	160*												3.5
4.0	180*	164*	160*	140*											4.0
4.5	170*	157*	153*	140*											4.5
5.0	163*	148*	145*	140*	120										5.0
6.0	140*	130	128	123	120	100									6.0
7.0	125	112	110	114	109	100	88								7.0
8.0	107	104	102	103	97	90	83	64							8.0
9.0	82	82	80	81	82	82	78	61							9.0
10.0	62	62	60	61	62.5	63.5	66	58	56						10.0
11.0	51	51	50	51	52.5	54.5	56	53	53	50					11.0
12.0		40	38	39	40.5	42.5	44.5	50	51	47	40				12.0
14.0		30	28	29	30.5	32	34	35.5	34.5	34.5	36.5	32			14.0
16.0			22	23	24.5	25.5	27	28.5	27	27	27.2	27.7	25		16.0
18.0			16.5	17.5	18.5	20	21.5	23	22	22	22.2	22.7	23.5	20	18.0
20.0				13.5	14.5	15.5	17	18.5	17.5	17.5	17.6	18.1	18.8	18.5	20.0
22.0				10.5	11.5	12.5	14	15.5	14.5	14.5	14.6	15.1	15.7	16.4	22.0
24.0				8	9.5	10.5	12	13.2	12.2	12	12.1	12.5	13.2	13.9	24.0
26.0					7	8.5	9.5	10.7	9.7	9.5	9.6	10	10.6	11.3	26.0
28.0					5.5	6.5	7.8	9	8	7.8	7.9	8.3	8.9	9.6	28.0
30.0						5	6.2	7.4	6.5	6.3	6.4	6.8	7.4	8	30.0
32.0						3.5	5	6.2	5.3	5	5.1	5.5	6.1	6.7	32.0
34.0							4	5	4.2	3.9	4	4.4	5	5.6	34.0
36.0							2.8	4	3.2	3	3.1	3.5	4	4.5	36.0
38.0								3.2	2.3	2	2.1	2.5	3	3.5	38.0
40.0								2.4	1.6	1.3	1.4	1.8	2.3	2.8	40.0
42.0													1.5	2	42.0
44.0														1.5	44.0
46.0															46.0
48.0															48.0
50.0															50.0
52.0															52.0
54.0															54.0
56.0															56.0
58.0															58.0
60.0															60.0
62.0															62.0
64.0															64.0
66.0															66.0
68.0															68.0
70.0															70.0
Magnification	14	14	14	13	11	9	8	6	5	5	4	3	3	2 magnification	
Hook	130 ton hook										40 ton hook				Hook
stretch	ȳ ȳ	1	2	2	2	2	2	2	2	3	3	3	3	3 ȳ	stretch
	ȳ 1 ȳ 2		1	1	2	2	2	2	2	2	3	3	3	3 ȳ	
shrink			1	1	1	2	2	2	2	2	2	3	3	3 ȳ	shrink
direction	ȳ 1 ȳ 2		1	1	1	1	2	2	2	2	2	2	3	3 ȳ	direction
Mode			1	1	1	1	1	2	2	2	2	2	2	3 ȳ	Mode
	ȳ 1		1	1	1	1	1	1	2	2	2	2	2	2 ȳ	

Note: The rated lifting capacity marked with * uses other optional hooks.

Table 12-2 Main boom rated lifting capacity



Unit: tons

The legs are fully extended 8.8m, 30t counterweight, all-round operation															
Work Amplitude ÿmÿ	Arm length (m)														Work Amplitude ÿmÿ
	82.6	90													
18.0															18.0
20.0	15.5														20.0
22.0	14.5	10.6													22.0
24.0	13.5	10.3													24.0
26.0	12	10													26.0
28.0	10.3	9.6													28.0
30.0	8.7	8.7													30.0
32.0	7.4	7.4													32.0
34.0	6.3	6.3													34.0
36.0	5.2	5.2													36.0
38.0	4	4													38.0
40.0	3.3	3.3													40.0
42.0	2.5	2.5													42.0
44.0	2	2													44.0
46.0	1.5	1.5													46.0
48.0															48.0
50.0															50.0
52.0															52.0
54.0															54.0
56.0															56.0
58.0															58.0
60.0															60.0
62.0															62.0
64.0															64.0
66.0															66.0
68.0															68.0
70.0															70.0
72.0															72.0
74.0															74.0
76.0															76.0
78.0															78.0
Magnification		2													magnification
2 hook 40 tons hook ÿ ÿ															Hook
stretch shrink direction Mode		3	4												ÿ
		3	4												ÿ
	ÿ 3 ÿ 3		4												ÿ
			4												ÿ
	ÿ 3 ÿ 3		4												ÿ
			4												ÿ
	ÿ 3		4												ÿ

Table 13 Main boom rated lifting capacity



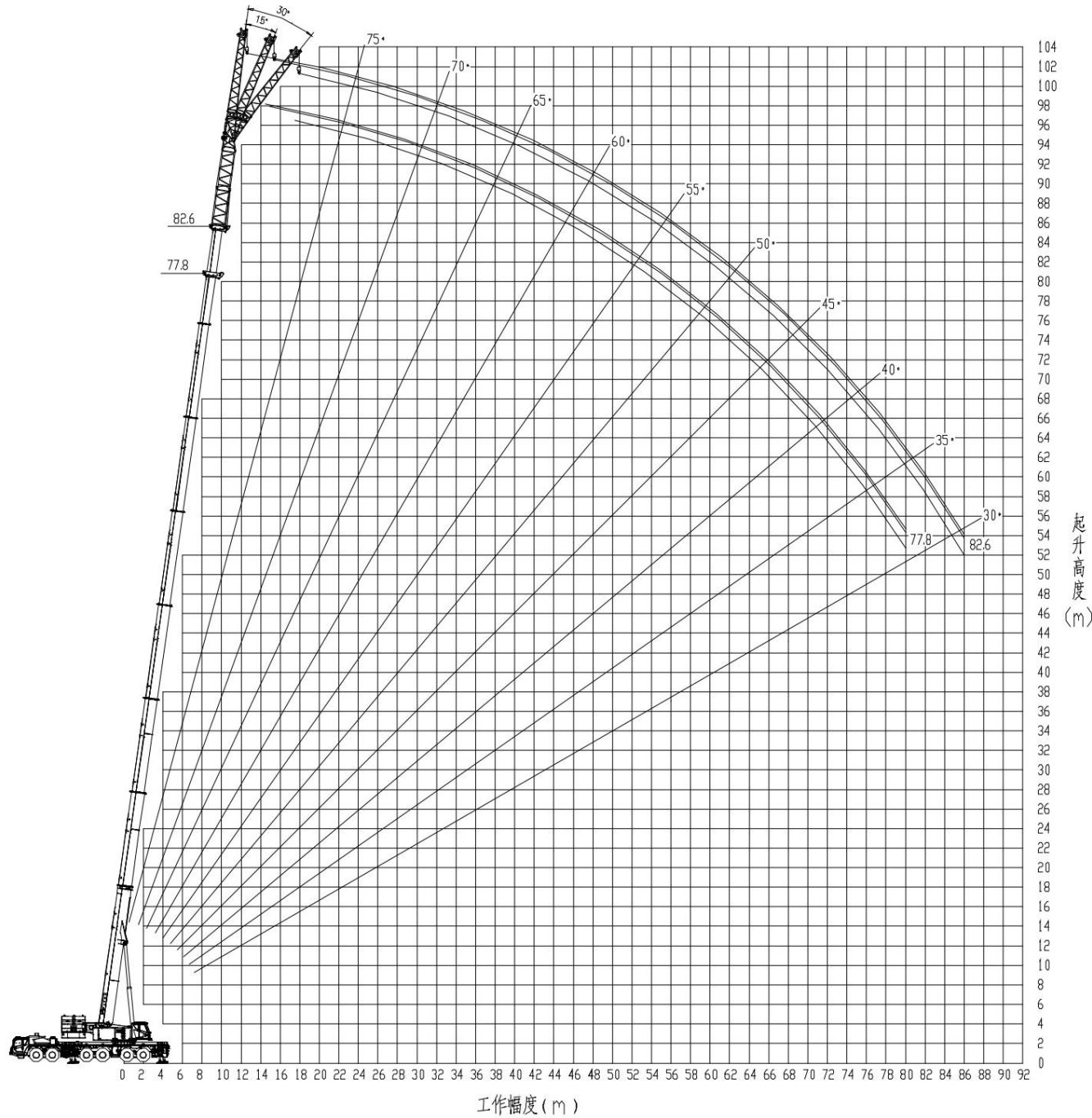
Unit: tons

The legs are fully extended 8.8m, 0t counterweight, all-round operation																
Work Amplitude ýmý	Arm length (m)														Work Amplitude ýmý	
	15.4 20.2		25	29.8 34.6	39.4 44.2			49	53.8 58.6	63.4 68.2			73	77.8		
3.0	190*	165*													3.0	
3.5	190*	165*	160*												3.5	
4.0	180*	164*	160*	140*											4.0	
4.5	170*	157*	153*	140*											4.5	
5.0	155*	140*	140*	130	112										5.0	
6.0	125	120	110	105	103	80									6.0	
7.0	75	72	66	65	65	65	65								7.0	
8.0	50	50	47	47	47.5	48	49	48							8.0	
9.0	39	40	37	38	39	40	41	42							9.0	
10.0	30	30	28	29	31	32.5	33.5	34.5	32.5						10.0	
11.0	22	22.5	21	22	24	26	27.5	28.5	26.5						11.0	
12.0		16	14	15	16	17.5	19	20.5	19	19	19				12.0	
14.0		9.5	8	9	10.5	11.5	13	14.5	13.2	13	13.2	13.8			14.0	
16.0			4.5	5.5	6.5	7	8.5	10	9	8.8	9	9.5	10		16.0	
18.0				2.5	4	5	6.2	7.5	6.5	6.2	6.3	6.8	7.3	8	18.0	
20.0						2.5	3.7	5	4	3.7	3.8	4.3	4.8	5.6	20.0	
22.0							2.3	3.5	2.4					3.1	22.0	
24.0								2.2							24.0	
26.0															26.0	
28.0															28.0	
30.0															30.0	
32.0															32.0	
34.0															34.0	
36.0															36.0	
38.0															38.0	
40.0															40.0	
42.0															42.0	
44.0															44.0	
46.0															46.0	
48.0															48.0	
50.0															50.0	
52.0															52.0	
54.0															54.0	
56.0															56.0	
58.0															58.0	
60.0															60.0	
62.0															62.0	
64.0															64.0	
66.0															66.0	
68.0															68.0	
70.0															70.0	
Magnification 14		14	14	13	11 9 130 ton			8	6	5	5	4	3 3 40 ton hook		2 magnification	
Hook		hook										3 3			Hook	
stretch	ý	1	1	2	2	2	2	2	2	3	3	3		3	y	stretch
	ý	1	2	2	2	2	2	2	2	2	3	3	3	3 ý		
	ý 1		1	1	2	2	2	2	2	2	2	3	3	3	3 ý	
shrink	ý 1 ý 1		1	1	1	2	2	2	2	2	2	2	3	3	3 ý	shrink
		1	1	1	1	2	2	2	2	2	2	2	2	3	3 ý	
direction		1	1	1	1	2	2	2	2	2	2	2	2	3	3 ý	direction
	ý 1 ý 1		1	1	1	1	1	2	2	2	2	2	2	2	3 ý	
Mode		1	1	1	1	1	1	1	2	2	2	2	2	2	2 ý	Mode
		1	1	1	1	1	1	1	2	2	2	2	2	2	2 ý	

Note: The rated lifting capacity marked with * uses other optional hooks.

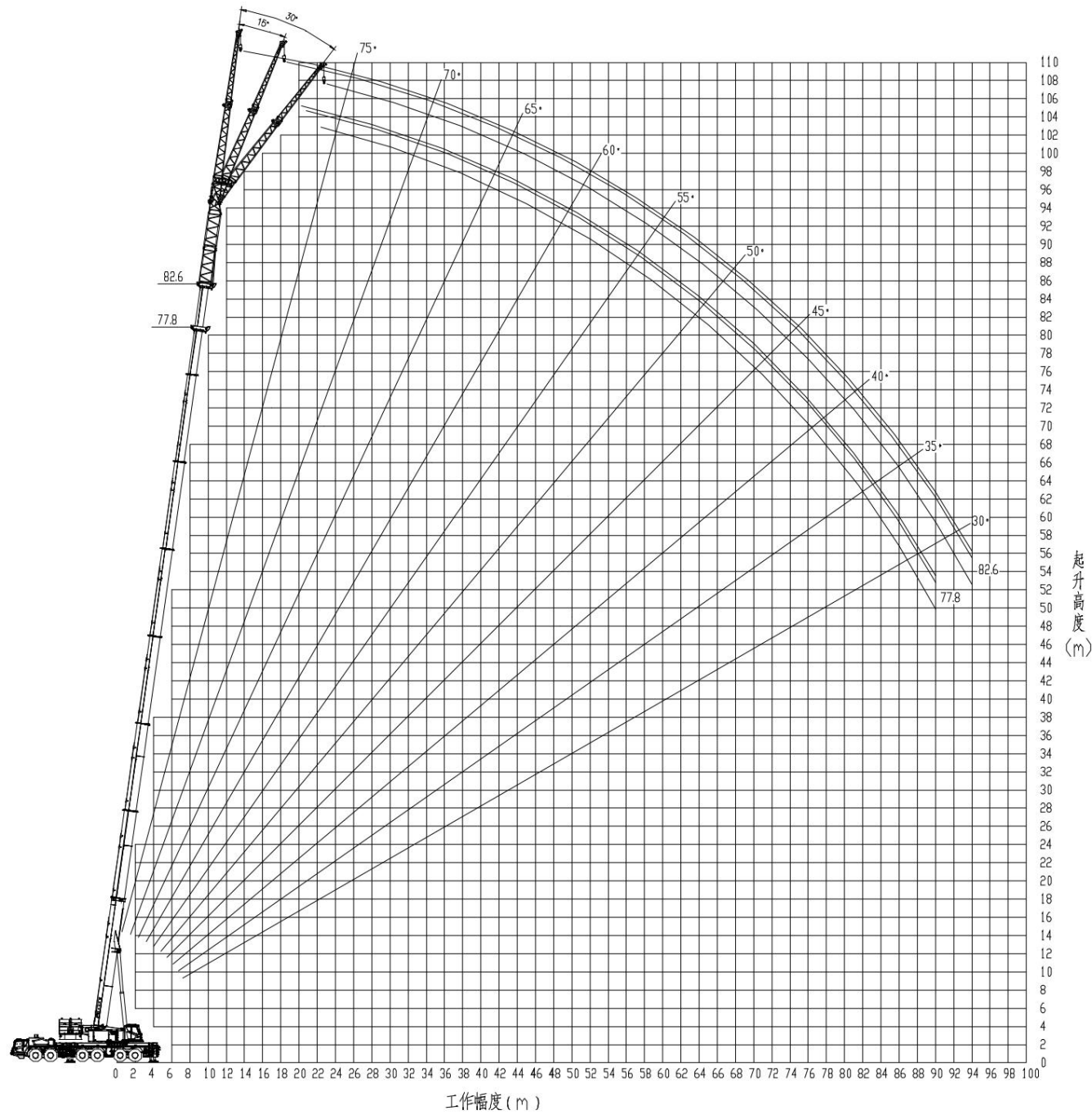
Lifting weight table/lifting curve chart

Main boom + 20m light jib working condition



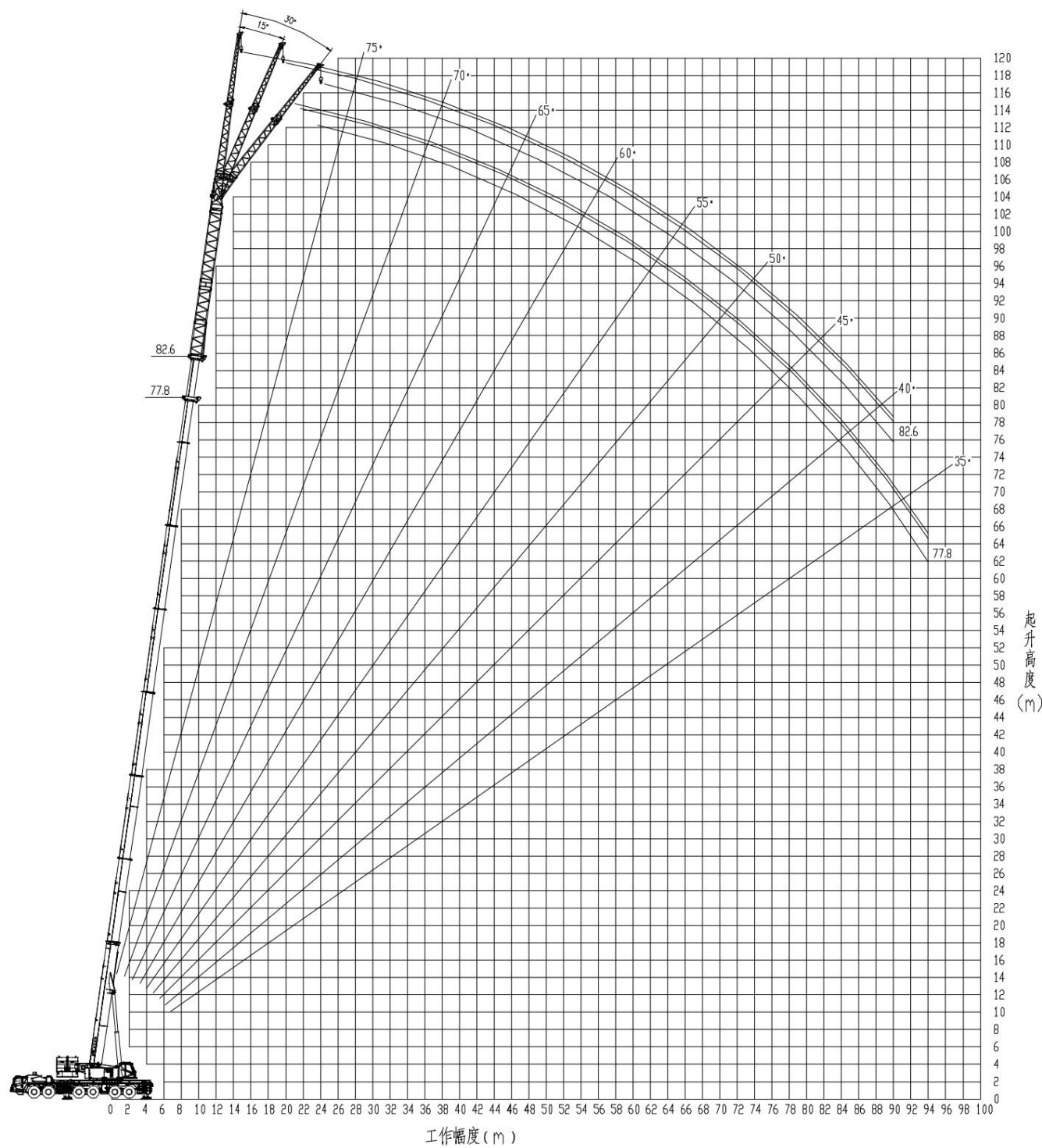
Lifting weight table/lifting curve chart

Main boom + 28m light jib working condition



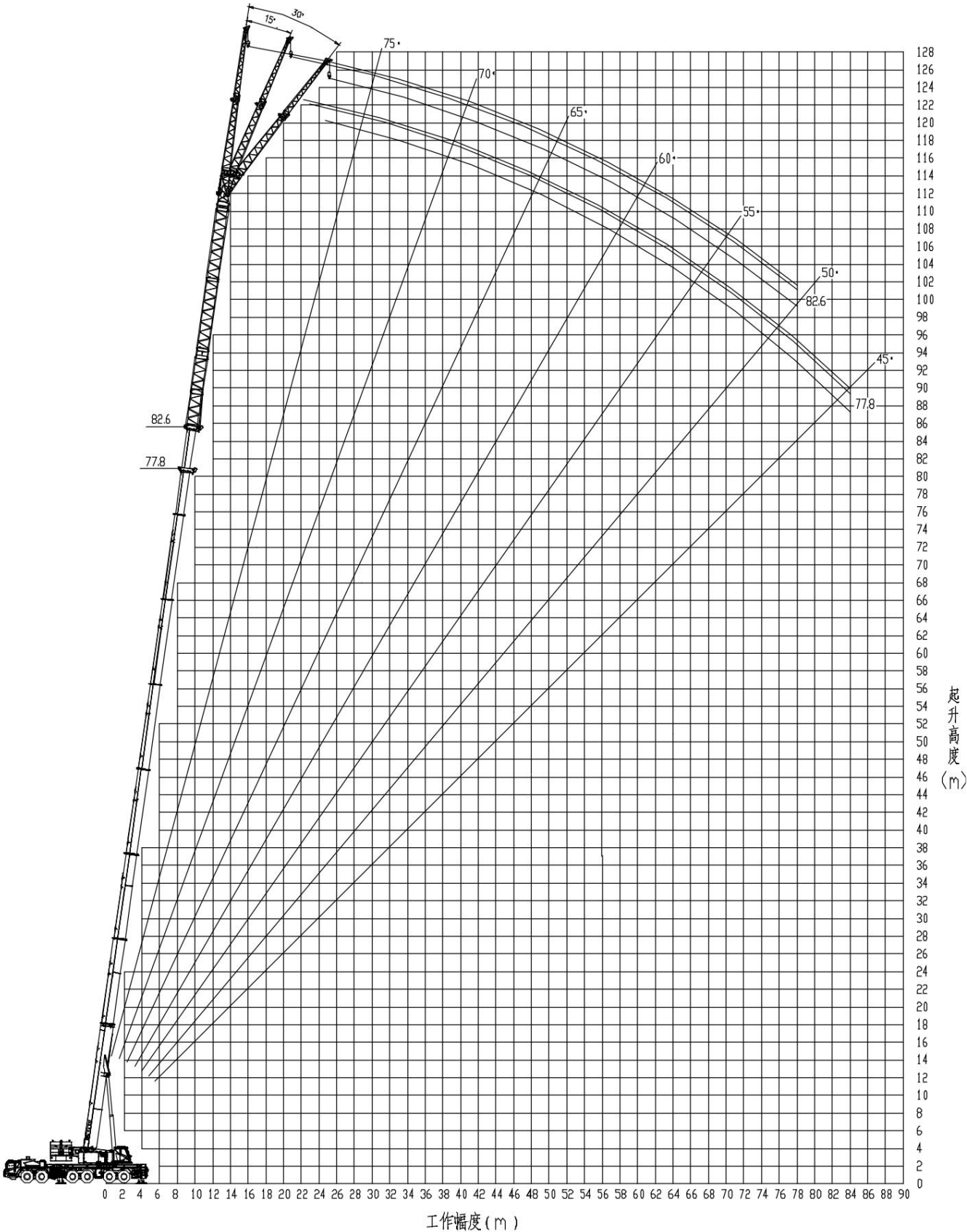
Lifting weight table/lifting curve chart

Main boom + 37.5m light jib working condition



Lifting weight table/lifting curve chart

Main boom + 45.5m light jib working condition



[illegible]

Jlb 45.5m: 4m transition section + first section of heavy-duty ijb + 1m conversion section + 8m heavy-duty ijb + 8m heavy-duty ijb + 0.5m conversion section + connecting frame one + connecting frame two + first ijb section + second section ijb.

Table 15 Rated lifting capacity of 

Unit: tons

jib: main jib + jib, full leg extension 8.8m, 90t counterweight, all-round operation																															
Work Amplitude ÿmÿ	Main arm (m) + jib arm (m) + jib arm installation angle (°)																												Work Amplitude ÿmÿ		
	77.8			82.6			77.8 77.8 82.6 28 32.5 37.5						77.8			82.6															
	20			20			28						45.5			45.5															
	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°			
24.0 8.4																														24.0	
26.0 8.4	7.3				6.5				6.0																					26.0	
28.0 8.2	7.3 6.4	6.5 6.0						6.0																						28.0	
30.0 8.0	7.1 6.4	6.4 6.0	5.5 5.8	4.5							5.1																			30.0	
32.0 7.8	6.9 6.3	6.0 6.0	5.5 5.4	4.4 3.6	5.1 4.1									4.1																32.0	
34.0 7.4	6.6 6.2	5.8 5.8	5.5 5.3	4.3 3.6	5.0 4.1									4.1			3.4													34.0	
36.0 7.1	6.4 6.0	5.6 5.5	5.3 5.1	4.2 3.5	4.8 4.0	3.3 4.1	3.6									3.4				3.0										36.0	
38.0 6.8	6.2 5.8	5.3 5.4	5.2 5.0	4.1 3.4	4.6 3.9	3.3 4.1	3.6 3.1	3.4 3.2												3.0										38.0	
40.0 6.5	6.0 5.7	5.1 5.2	5.2 5.1	4.8 4.0	3.4 4.5	3.8 3.3	3.3 4.0	3.5 3.1	3.4 3.2													3.0 2.8			2.5					40.0	
42.0 6.2	5.8 5.5	4.9 5.0	5.0 4.6	3.9 3.3	4.3 3.7	3.2 3.9	3.4 3.0	3.3 3.1	2.9 2.8	2.5 2.5	4.4 0.9	5.9 5.7	5.3 4.7	4.7 4.4	4.6 4.4	3.8 3.3	4.2 3.6	3.2 3.7	3.3 3.0											42.0	
44.0 3.2	3.0 2.9	2.7 2.7	2.5 2.5	2.3																										44.0	
46.0 5.7	5.5 5.2	4.5 4.6	4.5 4.2	3.6 3.2	4.0 3.5	3.1 3.6	3.2 2.9	3.1 3.0	2.8 2.5	2.6 2.5	2.4 2.3	2.0 46.0																			
48.0 5.4	5.3 5.0	4.3 4.5	4.4 4.1	3.5 3.1	3.9 3.4	3.0 3.5	3.1 2.9	3.0 2.9	2.7 2.5	2.5 2.4	2.2 2.2	2.0 48.0																			
50.0 5.2	5.2 5.0	4.2 4.2	4.2 4.1	3.9 3.4	3.0 3.7	3.3 3.0	3.3 2.8	2.8 2.8	2.6 2.4	2.4 2.3	2.3 2.1	2.1 2.0	50.0																		
52.0 5.0	5.0 4.9	4.0 4.0	3.9 3.8	3.3 3.0	3.6 3.1	2.9 3.2	2.9 2.7	2.7 2.7	2.5 2.4	2.3 2.2	2.2 2.1	2.0 1.9	52.0																		
54.0 4.9	4.8 4.7	3.9 3.9	3.8 3.7	3.2 2.9	3.5 3.0	2.8 3.1	2.9 2.7	2.5 2.6	2.4 2.3	2.2 2.1	2.0 2.0	1.8 54.0																			
56.0 4.7	4.6 4.5	3.7 3.8	3.7 3.6	3.2 2.9	3.4 2.9	2.8 2.9	2.8 2.6	2.4 2.5	2.3 2.1	2.1 2.1	2.0 1.9	1.9 1.7	56.0																		
58.0 4.5	4.5 4.5	3.6 3.7	3.6 3.5	3.1 2.8	3.2 2.8	2.7 2.8	2.7 2.5	2.3 2.3	2.3 2.0	2.0 2.0	2.0 1.8	1.8 1.7	58.0																		
60.0 4.4	4.3 4.3	3.5 3.6	3.5 3.3	3.0 2.7	3.1 2.7	2.6 2.7	2.6 2.4	2.2 2.2	2.2 1.9	1.9 1.9	1.9 1.7	1.7 1.7	60.0																		
62.0 4.2	4.2 4.1	3.4 3.5	3.4 3.2	2.9 2.7	3.0 2.7	2.5 2.5	2.5 2.4	2.1 2.1	2.1 1.8	1.8 1.8	1.8 1.6	1.6 1.6	62.0																		
64.0 4.1	4.1 4.0	3.2 3.3	3.2 3.1	2.8 2.6	2.9 2.6	2.5 2.4	2.4 2.4	2.0 2.0	2.0 1.7	1.7 1.7	1.7 1.5	1.5 1.5	64.0																		
66.0 4.0	4.0 3.9	3.1 3.1	3.2 3.1	3.0 2.7	2.6 2.8	2.6 2.4	2.3 2.3	1.9 1.9	1.9 1.7	1.7 1.7	1.7 1.4	1.4 1.4	66.0																		
68.0 3.8	3.9 3.8	3.0 3.1	3.1 3.1	3.0 2.7	2.5 2.7	2.5 2.4	2.2 2.2	1.8 1.8	1.8 1.6	1.6 1.6	1.6 1.3	1.3 1.3	68.0																		
70.0 3.5	3.6 3.6	2.9 3.0	3.0 3.0	2.9 2.6	2.5 2.6	2.4 2.3	2.1 2.1	1.7 1.7	1.7 1.5	1.5 1.5	1.5 1.2	1.2 1.2	70.0																		
72.0 3.3	3.4 3.4	2.8 2.9	2.9 2.8	2.6 2.5	2.5 2.4	2.2 2.0	2.0 2.0	1.6 1.6	1.6 1.4	1.4 1.4	1.4 1.2	1.2 1.2	72.0																		
74.0 3.0	3.1 3.2	2.7 2.8	2.8 2.7	2.6 2.4	2.4 2.3	2.2 2.0	1.9 1.9	1.5 1.5	1.5 1.4	1.4 1.4	1.4 1.1																1.1	1.1	74.0		
76.0 2.6	2.7 2.9	2.6 2.7	2.7 2.6	2.5 2.4	2.3 2.2	2.1 1.9	1.8 1.8	1.5 1.5	1.5 1.3	1.3 1.3	1.3 1.1	1.1 76.0																1.1			
78.0 2.3	2.4 2.4	2.4 2.5	2.5 2.5	2.6 2.5	2.4 2.1	2.1 2.1	1.8 1.8	1.8 1.7	1.4 1.4	1.4 1.4	1.2 1.2	1.2 1.0	1.0 1.0	78.0																	
80.0 2.0	2.0 2.1	2.2 2.3	2.3 2.3	2.5 2.4	2.3 2.0	2.0 2.0	1.7 1.7	1.7 1.7	1.3 1.3	1.3 1.3	1.2 1.2	1.2																		80.0	
82.0					1.9 2.1	2.1 2.4	2.4 2.3	2.0 1.9	1.9 1.6	1.7 1.6	1.2 1.2	1.1 1.1								1.1										82.0	
84.0					1.7 1.9	1.9 2.0	2.2 2.2	1.9 1.8	1.8 1.6	1.6 1.6	1.2 1.2	1.0 1.0	1.0																	84.0	
86.0					1.5 1.5	1.5 1.7	1.9 2.0	1.9 1.8	1.8 1.5	1.5 1.5	1.1 1.1	1.1 1.1																		86.0	
88.0									1.4 1.5	1.7 1.8	1.8 1.8	1.4 1.4	1.1 1.0	1.0																88.0	
90.0									1.1 1.2	1.3 1.5	1.7 1.7	1.3 1.3	1.0 1.0	1.0																90.0	
92.0											1.1 1.1	1.3 1.3			1.1 1.2															92.0	
94.0																														94.0	
1 12 ton hook																														magnification	
Hook																														ÿ	
stretch shrink direction Mode	magnification hook ÿ ÿ	3			3			3			3			3			3			3			3			ÿ			ÿ	stretch shrink direction Mode	
		3			3			3			3			3			3			3			ÿ								
		3			3			3			3			3			3			ÿ											
		3			3			3			3			3			3			ÿ											
		3			3			3			3			3			3			ÿ											

Note: jib 20m: 4m transition section + first section of heavy-duty jib + connecting frame one + connecting frame two + first section of jib;
Jib 28m: 4m transition section + first heavy-duty jib + connecting frame one + connecting frame two + first jib section + second jib section;
Jib 37.5m: 4m transition section + first heavy-duty jib + 1m conversion section + 8m heavy-duty jib + 0.5m conversion section + connecting frame one + connecting frame two + first jib section + second jib section;
Jib 45.5m: 4m transition section + first section of heavy-duty jib + 1m conversion section + 8m heavy-duty jib + 8m heavy-duty jib + 0.5m conversion section + connecting frame one + connecting frame two + first jib section + second section jib.

Table 16 Rated lifting capacity of



Unit: tons

jib: main jib + jib, full leg extension 8.8m, 70t counterweight, all-round operation																																					
Work Amplitude ÿmÿ	Main arm (m) + jib arm (m) + jib arm installation angle (°)																												Work Amplitude ÿmÿ								
	77.8				82.6				77.8 77.8 82.6 28 32.5 37.5												77.8				82.6												
	20				20				28												45.5				45.5												
	0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30°																																				
24.0 8.4																													24.0								
26.0 8.4	7.3				6.5				6.0																				26.0								
28.0 8.2	7.3	6.4	6.5	6.0					6.0																				28.0								
30.0 8.0	7.1	6.4	6.4	6.0	5.5	5.8	4.5						5.1																30.0								
32.0 7.8	6.9	6.3	6.0	6.0	5.5	5.5	4.4	3.6	5.1	4.1							4.1												32.0								
34.0 7.4	6.6	6.2	5.8	5.8	5.5	5.3	4.3	3.6	5.0	4.1							4.1				3.4								34.0								
36.0 7.1	6.4	6.0	5.6	5.5	5.3	5.1	4.2	3.5	4.8	4.0	3.3	4.1	3.6							3.4				3.0					36.0								
38.0 6.8	6.2	5.8	5.3	5.4	5.2	5.0	4.1	3.4	4.6	3.9	3.3	4.1	3.6	3.1	3.4	3.2							3.0						38.0								
40.0 6.5	6.0	5.7	5.1	5.2	5.1	4.8	4.0	3.4	4.5	3.8	3.3	4.0	3.5	3.1	3.4	3.2							3.0	2.8			2.5		40.0								
42.0 6.2	5.8	5.5	4.9	5.0	5.0	4.6	3.9	3.3	4.3	3.7	3.2	3.9	3.4	3.0	3.3	3.1	2.9	2.9	2.8	2.5	2.5	44.0	5.9	5.7	5.3	4.7	4.7	4.6	4.4	3.8	3.3	4.2	3.6	3.2	3.7	3.3	3.0
44.0	3.2	3.0	2.9	2.7	2.7	2.5	2.3																							44.0							
46.0 5.7	5.5	5.2	4.5	4.6	4.5	4.2	3.6	3.2	4.0	3.5	3.1	3.6	3.2	2.9	3.1	3.0	2.8	2.5	2.6	2.5	2.4	2.3	2.0	46.0													
48.0 5.4	5.3	5.0	4.3	4.5	4.4	4.1	3.5	3.1	3.9	3.4	3.0	3.5	3.1	2.9	3.0	2.9	2.7	2.5	2.5	2.4	2.2	2.2	2.0	48.0													
50.0 5.2	5.2	5.0	4.2	4.2	4.1	3.9	3.4	3.0	3.7	3.3	3.0	3.3	3.0	2.8	2.8	2.8	2.6	2.4	2.4	2.3	2.1	2.1	2.0	50.0													
52.0 5.0	5.0	4.9	4.0	4.0	3.9	3.8	3.3	3.0	3.6	3.1	2.9	3.2	2.9	2.7	2.7	2.7	2.5	2.4	2.3	2.2	2.1	2.0	1.9	52.0													
54.0 4.9	4.8	4.7	3.9	3.9	3.8	3.7	3.2	2.9	3.5	3.0	2.8	3.1	2.9	2.7	2.5	2.6	2.4	2.3	2.2	2.1	2.0	2.0	1.8	54.0													
56.0 4.7	4.6	4.5	3.7	3.7	3.6	3.5	3.2	2.9	3.4	2.9	2.8	2.9	2.8	2.6	2.4	2.5	2.3	2.1	2.1	2.0	1.9	1.9	1.7	56.0													
58.0 4.5	4.5	4.5	3.6	3.7	3.6	3.5	3.1	2.8	3.2	2.8	2.7	2.8	2.7	2.5	2.3	2.3	2.3	2.0	2.0	2.0	1.8	1.8	1.7	58.0													
60.0 4.0	4.3	4.3	3.5	3.6	3.5	3.3	3.0	2.7	3.1	2.7	2.6	2.7	2.6	2.4	2.2	2.2	2.2	1.9	1.9	1.9	1.7	1.7	1.6	60.0													
62.0 3.5	3.8	4.1	3.4	3.5	3.4	3.2	2.9	2.7	3.0	2.7	2.5	2.5	2.5	2.4	2.1	2.1	2.1	1.8	1.8	1.8	1.6	1.6	1.6	62.0													
64.0 3.0	3.3	3.5	3.2	3.3	3.2	3.1	2.8	2.6	2.9	2.6	2.5	2.4	2.4	2.4	2.0	2.0	2.0	1.7	1.7	1.7	1.5	1.5	1.5	64.0													
66.0 2.6	3.0	3.0	3.0	3.2	3.1	3.0	2.7	2.6	2.8	2.6	2.4	2.3	2.3	2.3	1.9	1.9	1.9	1.7	1.7	1.7	1.4	1.4	1.4	66.0													
68.0 2.2	2.4	2.5	2.6	2.9	3.0	2.9	2.7	2.5	2.7	2.5	2.4	2.2	2.2	2.2	1.8	1.8	1.8	1.6	1.6	1.6	1.3	1.3	1.3	68.0													
70.0 1.8	2.0	2.1	2.2	2.4	2.6	2.5	2.6	2.5	2.6	2.4	2.3	2.1	2.1	2.1	1.7	1.7	1.7	1.5	1.5	1.5	1.2	1.2	1.2	70.0													
72.0 1.4	1.6	1.7	1.8	2.0	2.2	2.1	2.4	2.5	2.4	2.4	2.2	2.0	2.0	2.0	1.6	1.6	1.6	1.4	1.4	1.4	1.2	1.2	1.2	72.0													
74.0 1.1	1.2	1.3	1.5	1.7	1.8	1.7	2.1	2.2	2.2	2.3	2.2	1.9	1.9	1.9	1.5	1.5	1.5	1.4	1.4	1.4	1.1																
76.0						1.1	1.3	1.4	1.4	1.7	1.9	1.8	2.1	2.1	1.6	1.8	1.8	1.5	1.5	1.3	1.3	1.3	1.1														
78.0																																					
80.0																																					
82.0																																					
84.0																																					
magnification																																					
1 12 ton hook																																					
Magnification shrink direction Mode	3			3			3			3			3			3			3			3			3			ÿ ÿ ÿ ÿ ÿ ÿ									
	3			3			3			3			3			3			3			3			3												
	3			3			3			3			3			3			3			3			3												
	3			3			3			3			3			3			3			3			3												
	3			3			3			3			3			3			3			3			3												
	3			3			3			3			3			3			3			3			3												

Note: jib 20m: 4m transition section + first section of heavy-duty jib + connecting frame one + connecting frame two + first section of jib;
Jib 28m: 4m transition section + first heavy-duty jib + connecting frame one + connecting frame two + first jib section + second jib section;
Jib 37.5m: 4m transition section + first heavy-duty jib + 1m conversion section + 8m heavy-duty jib + 0.5m conversion section + connecting frame one + connecting frame two + first jib section + second jib section;
Jib 45.5m: 4m transition section + first section of heavy-duty jib + 1m conversion section + 8m heavy-duty jib + 8m heavy-duty jib + 0.5m conversion section + connecting frame one + connecting frame two + first jib section + second section jib.

Table 17 Rated lifting capacity of jib



Unit: tons

Main arm + jib, outriggers fully extended 8.8m, 50t counterweight, all-round operation																																		
Work Amplitude ÿmÿ	Main arm (m) + jib arm (m) + jib arm installation angle (°)																										Work Amplitude ÿmÿ							
	77.8		82.6		77.8		77.8		82.6		77.8		82.6		77.8		82.6		77.8		82.6		77.8		82.6									
	20		20		28		28		28		28		28		45.5		45.5		45.5		45.5		45.5		45.5									
	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°	0° 15° 30°		0° 15° 30°						
24.0	8.4																											24.0						
26.0	8.4	7.3				6.5				6.0																		26.0						
28.0	8.2	7.3	6.4	6.5	6.0	3.0	8.0	7.1			6.0																	28.0						
30.0	6.4	6.4	6.0	5.5	5.8	4.5								5.1														30.0						
32.0	7.8	6.9	6.3	6.0	6.0	5.5	5.5	4.4	3.6	5.1	4.1					4.1												32.0						
34.0	7.4	6.6	6.2	5.8	5.8	5.5	5.3	4.3	3.6	5.0	4.1	3.6	0.7	1.1	6.4	6.0	5.6	5.5	5.3	5.1			3.4					34.0						
36.0	4.2	3.5	4.8	4.0	3.3	4.1	3.6																3.4		3.0			36.0						
38.0	6.8	6.2	5.8	5.3	5.4	5.2	5.0	4.1	3.4	4.6	3.9	3.3	4.1	3.6	3.1	3.4	3.2							3.0				38.0						
40.0	6.5	6.0	5.7	5.1	5.2	5.1	4.8	4.0	3.4	4.5	3.8	3.3	4.0	3.5	3.1	3.4	3.2							3.0	2.8		2.5	40.0						
42.0	6.1	5.8	5.5	4.9	5.0	5.0	4.6	3.9	3.3	4.3	3.7	3.2	3.9	3.4	3.0	3.3	3.1	2.9	2.9	2.8	2.5	2.5						42.0						
44.0	5.6	5.7	5.3	4.7	4.7	4.6	4.4	3.8	3.3	4.2	3.6	3.2	3.7	3.3	3.0	3.2	3.0	2.9	2.7	2.7	2.5	2.5	2.3					44.0						
46.0	5.1	5.3	5.2	4.5	4.6	4.5	4.2	3.6	3.2	4.0	3.5	3.1	3.6	3.2	2.9	3.1	3.0	2.8	2.5	2.6	2.5	2.4	2.3	2.0	46.0									
48.0	4.4	5.0	4.3	4.3	4.5	4.4	4.1	3.5	3.1	3.9	3.4	3.0	3.5	3.1	2.9	3.0	2.9	2.7	2.5	2.5	2.4	2.2	2.2	2.0	48.0									
50.0	3.6	4.2	4.3	4.0	4.2	4.1	3.9	3.4	3.0	3.7	3.3	3.0	3.3	3.0	2.8	2.8	2.8	2.6	2.4	2.4	2.3	2.1	2.1	2.0	50.0									
52.0	3.1	3.5	3.3	3.6	4.0	3.9	3.8	3.3	3.0	3.6	3.1	2.9	3.2	2.9	2.7	2.7	2.7	2.5	2.4	2.3	2.2	2.1	2.0	1.9	52.0									
54.0	2.6	3.0	3.2	3.1	3.6	3.7	3.4	3.2	2.9	3.5	3.0	2.8	3.1	2.9	2.7	2.5	2.6	2.4	2.3	2.2	2.1	2.0	2.0	1.8	54.0									
56.0	2.2	2.5	2.3	2.5	3.0	3.0	3.2	2.9	3.4	2.9	2.8	2.9	2.8	2.6	2.4	2.5	2.3	2.1	2.1	2.0	1.9	1.9	1.7	56.0										
58.0	1.8	2.0	2.2	2.1	2.5	2.7	2.5	3.0	2.8	3.0	2.8	2.7	2.6	2.7	2.5	2.3	2.3	2.0	2.0	2.0	1.8	1.8	1.7	58.0										
60.0	1.3	1.6	1.3	1.7	2.0	2.2	2.0	2.7	2.7	2.4	2.7	2.6	2.3	2.6	2.4	2.2	2.2	1.9	1.9	1.9	1.7	1.7	1.7	60.0										
62.0	1.0	1.2	1.4	1.3	1.7	1.8	1.6	2.2	2.5	2.1	2.5	2.5	1.9	2.3	2.4	2.1	2.1	1.8	1.8	1.8	1.6	1.6	1.6	62.0										
64.0	1.3	1.4	1.2	1.8	2.1	2.6	2.2	2.5	1.4	2.1	2.4	2.0	2.0	2.0	1.6	1.7	1.7	1.5	1.5	1.5	1.4	1.4	1.4	64.0										
66.0										1.0					1.3	1.7	1.3	1.8	2.1	1.0	1.6	2.1	1.5	1.9	1.9	1.2	1.7	1.7	1.4	1.4	1.4	66.0		
68.0															1.3										1.5	1.6	1.1	1.3	1.3	68.0				
70.0																										1.4			1.2	1.2	70.0			
72.0																														1.1	72.0			
74.0																																74.0		
																											magnification							
																											Hook							
Magnification shrink direction Mode		3		3		3		3		3		3		3		3		3		3		3		3		ÿ		shrink direction Mode						
		3		3		3		3		3		3		3		3		3		3		3		3		ÿ								
	hook	ÿ ÿ ÿ 3		3		3		3		3		3		3		3		3		3		3		3 ÿ		ÿ								
	ÿ 3 ÿ	3		3		3		3		3		3		3		3		3		3		3		3		ÿ								
	ÿ 3 ÿ 2	3		3		3		3		3		3		3		3		3		3		3		3 ÿ		ÿ								
		3		3		2		3		2		3		2		3		2		3		2		3 ÿ		ÿ								

Note: jib 20m: 4m transition section + first section of heavy-duty jib + connecting frame one + connecting frame two + first section of jib;
Jib 28m: 4m transition section + first heavy-duty jib + connecting frame one + connecting frame two + first jib section + second jib section;
Jib 37.5m: 4m transition section + first heavy-duty jib + 1m conversion section + 8m heavy-duty jib + 0.5m conversion section + connecting frame one + connecting frame two + first jib section + second jib section;
Jib 45.5m: 4m transition section + first section of heavy-duty jib + 1m conversion section + 8m heavy-duty jib + 8m heavy-duty jib + 0.5m conversion section + connecting frame one + connecting frame two + first jib section + second section jib.

Lifting weight table/lifting curve chart

Super-lifting main boom working conditions: 34.6m-90m

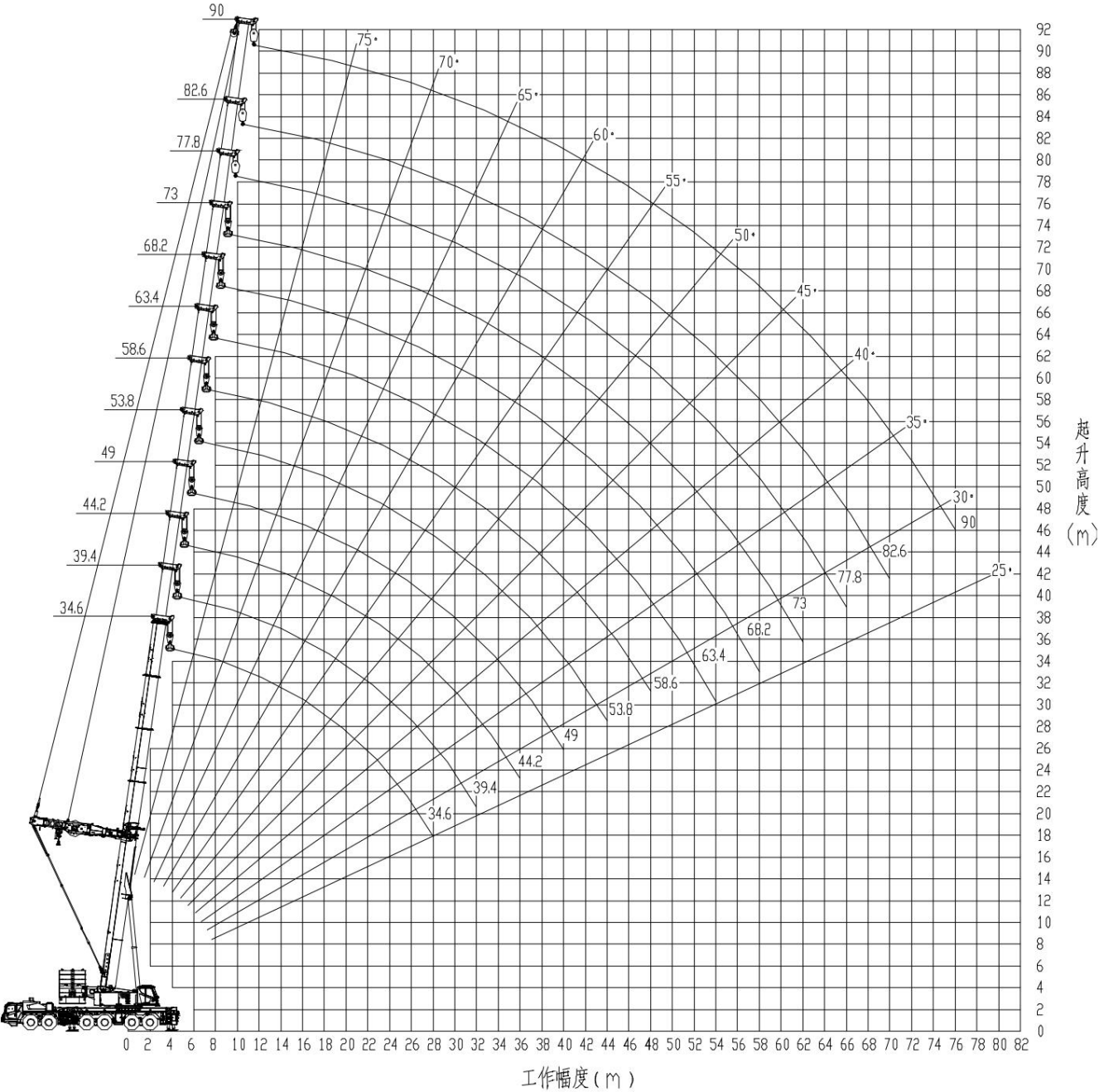
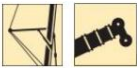


Table 18 Rated lifting capacity of super-lift main boom



Unit: tons

The main boom can be extended from 34.6m to 90m, with fully extended outriggers, all-round operation, and 150t counterweight														
Work Amplitude ym̃	Arm length (m)												Work Amplitude ym̃	
	34.6	39.4	44.2	49	53.8	58.6	63.4	68.2	73	77.8	82.6	90		
5.0	120												5.0	
6.0	120	110											6.0	
7.0	116	110	100	82									7.0	
8.0	108	104	100	79	77								8.0	
9.0	100	98	95	76	75	72							9.0	
10.0	93	91	89	72.5	72	70							10.0	
11.0	87	85	83	70	69	68	65						11.0	
12.0	82	79	78	67	67	65.5	63	55					12.0	
14.0	73	71	68	63	63	62	60	52	46	38.5			14.0	
16.0	63	63	62	58.5	58.5	58	55	48	44	38.5	30	21	16.0	
18.0	56	56	56	54	54	52.5	51	45	42	38	30	21	18.0	
20.0	47	49	50.5	49	49	48	47	43	39.5	35.8	30	21	20.0	
22.0	42	43	44	45	45	44	43	40	37	33.8	28	21	22.0	
24.0	36.5	38	40	41	42	41	39	37.5	34.7	31.8	27	20	24.0	
26.0	32.5	34	35.5	37	39	38	36	35	32.5	30	26.5	19.5	26.0	
28.0	28.5	30.5	32.5	34	36	35	33.5	32	30.7	28.3	26	19	28.0	
30.0		27	29.5	30	32	33	31.5	30	29	27	24.6	18.5	30.0	
32.0		23.5	26.5	27	29	30	29	28	27	25.5	23.5	18	32.0	
34.0			23.5	24.5	27	27	27	26	25	24.3	22.2	17.5	34.0	
36.0			20.5	22.5	24	24	24.5	25	24	23	21.2	17	36.0	
38.0				20	22	22	22.5	23.5	22.5	21.6	20.5	16.5	38.0	
40.0				18	20	20	20.5	21.5	21.5	20.8	19	16	40.0	
42.0					18	18.5	19	19.5	20	19.5	17.8	15	42.0	
44.0					16	17	17.5	18.5	18.5	18.5	17	14.2	44.0	
46.0						15.5	15.5	16.5	16.5	17.5	15.5	13.5	46.0	
48.0						13.5	14	15	15.5	16.5	15	12.8	48.0	
50.0							13	13.7	14.5	15	14.5	12	50.0	
52.0							12	12.7	13.5	14	13.5	11.5	52.0	
54.0							10	11.7	12.5	13	12.5	11	54.0	
56.0								10.1	11.2	12	12	10.5	56.0	
58.0								8.8	10.2	11	11.2	10	58.0	
60.0									9.2	10.2	10.5	9.5	60.0	
62.0									7.9	9.2	9.5	9	62.0	
64.0										8.2	9	8.6	64.0	
66.0										7.1	8.5	8.3	66.0	
68.0											7.5	7.8	68.0	
70.0											6.6	6.8	70.0	
72.0												6	72.0	
74.0												5.5 74.0		
76.0												5.1 76.0		
Magnification	on 11	10	9	8	7	7	6	5	4	4	3	2 magnification		
Hook		130 ton hook									40 ton hook		Hook	
stretch shrink direction Mode	ÿ	2	2	2	2	3	3	3	3	3	3	4	y	
	ÿ 2 ÿ 2		2	2	2	2	3	3	3	3	3	4 ÿ		
			2	2	2	2	2	3	3	3	3	4 ÿ		
	ÿ 2		2	2	2	2	2	3	3	3	3	4 ÿ		
	ÿ 1 ÿ 1		2	2	2	2	2	2	3	3	3	4 ÿ		
			1	2	2	2	2	2	2	3	3	4 ÿ		
	ÿ 1		1	1	2	2	2	2	2	2	3	4 ÿ		

Table 19 Rated lifting capacity of super-lift main boom



Unit: tons

The main boom can be extended from 34.6m to 90m, the outriggers are fully extended, and it can operate in all directions, with a counterweight of 110t.																											
Work Amplitude ÿmÿ		Arm length (m)												Work Amplitude ÿmÿ													
		34.6	39.4	44.2	49	53.8	58.6	63.4	68.2							73	77.8	82.6	90								
5.0		120																5.0									
6.0		120		110														6.0									
7.0		116		110		100	82											7.0									
8.0		108		104		100	79			77								8.0									
9.0		100	98	93	91		95		76	75	72							9.0									
10.0						89		72.5		72	70							10.0									
11.0		87		85		83		70		69	68	65						11.0									
12.0		81		79		78		67		67	65.5	63	55					12.0									
14.0		72		70		68		63		63	62	60	52	46	38.5			14.0									
16.0		61		62		62		58.5	58.5	58		55	48	44	38.5	30	21	16.0									
18.0		53		54		56		54		54	52.5	51	45	42	38	30	21	18.0									
20.0		45		47		47		49		49	48	47	43	39.5	35.8		30	21	20.0								
22.0		39		41		41		43		43	43	43	40	37	33.8	28	21	22.0									
24.0		34		36		37		39		38	38	39	37.5	34.7	31.8		27	20	24.0								
26.0		30		32		33		35		34	34	34	35	32.5	30	26.5	19.5		26.0								
28.0		25.5	28	25		29		31		30	30	30.5	31.5	30.7	28	3	27	27.5	28	29		26	19	27	24.6	28.0	
30.0						26		27		27						18.5										30.0	
32.0				21.5	22.5	24.5				24	24		25		25.5	26.5	25.5	23.5					18			32.0	
34.0						20		23		21	21		22.5	23	23	20.2	20.5	20.5	22.5		24.3	22.2		17.5	17		34.0
36.0						18		20		19	19		21.2														36.0
38.0							18		17.5	17.5			18.2	18.5			18.5	19.8	20.5	16.5							38.0
40.0							16		16		15.5		16		17		17		18			19	16	16.5	14.8		40.0
42.0									14.2		14		15		15.5		16		16.5								42.0
44.0									13		13		13		13.5		14		15.2		15			13.7			44.0
46.0										11.5		12		11.5		12.5	13.5		11.5	12.5		14			12.5		46.0
48.0											10.5		10		10.5							13			11.5		48.0
50.0												9.3		9.5		10.5		11.5		11.5	10.5						50.0
52.0												8.3		8.5		9.5		10.6		10.5		9.8					52.0
54.0														7.8		8.5		9.7		9.8		9.1					54.0
56.0														6.8		7.5		8.7		9		8.4					56.0
58.0															6.5		8		8.5		7.7						58.0
60.0															6		7.2		7.5		7						60.0
62.0																5.2		6		7		6.3					62.0
64.0																		5		6.4		5.7					64.0
66.0																		4.5		5.7		5.2					66.0
68.0																				5		4.7					68.0
70.0																				4.4		4.2					70.0
72.0																									3.7		72.0
74.0																									3.2	74.0	
76.0																									2.7	76.0	
Magnification 11			10		9		8		7		7		6		5		4		4		3		2	magnification			
Hook		130 ton hook 3												40 ton hook 3					Hook								
stretch shrink direction Mode	ÿ	2		2		2		2		3		3		3		3		3		4		ÿ	stretch shrink direction Mode				
	ÿ	2		2		2		2		3		3		3		3		3		4		ÿ					
	ÿ2ÿ2ÿ1ÿ			2		2		2		2		3		3		3		3		4		ÿ					
	1ÿ1			2		2		2		2		2		3		3		3		4		ÿ					
Mode				2		2		2		2		2		3		3		3		4		ÿ	Mode				
				1		2		2		2		2		2		3		3		4		ÿ					
				1		1		2		2		2		2		2		3		4		ÿ					

Table 20 Rated lifting capacity of super-lift main boom



Unit: tons

The main boom can be extended from 34.6m to 90m, with fully extended outriggers, all-round operation, and 90t counterweight.																						
Work Amplitude ýmý		Arm length (m)											Work Amplitude ýmý									
		34.6	39.4	44.2	49	53.8	58.6	63.4	68.2								73	77.8	82.6	90		
5.0		120																	5.0			
6.0		120	110																6.0			
7.0		116	110	100	82														7.0			
8.0		108	104	100	79		77												8.0			
9.0		98	98	95	76	75	72												9.0			
10.0		91	89	89	72.5	72	70												10.0			
11.0		84	82	83	70	69	68	65											11.0			
12.0		78	76	75	67	67	65.5	63	55										12.0			
14.0		68	67	65	63	63	62	60	52	46	38.5								14.0			
16.0		55	56	57	58.5	57	58	55	48	44	38.5	30	21						16.0			
18.0		46	47	48	49	48	50	48	45	42	38	30	21						18.0			
20.0		39	40	41	42	41	41	41	43	39.5	35.8	30	21						20.0			
22.0		33	35	36	37	36	36	36	37	36	33.8	28	21						22.0			
24.0		28	30	31	33	32	32	32	32.5	32	31.8	27	20						24.0			
26.0		24	26	27	29	28	28	28	28.4	29	28.5	26.5	19.5						26.0			
28.0		20	23	26	19.5	22.5	23	25	25	25	25.3	25.8	26.5	24.5	22.3	22.7	23.2	19	28.0			
30.0						22	22	22				23	18.5						30.0			
32.0			16.5	18.5	20.5	19.5	19.5	19.5	19.8	20.2	20.7	21.2	17.5						32.0			
34.0				16	18	17.5	17.5	15.5	15.5	17.5	17.8	15.5	15.8	18.2	18.7	16.2	16.7	19.2	16.5	17.2	15.5	34.0
36.0				14	16																	36.0
38.0					14	13.5	13.5		13.5	13.8		14.2	14.7			15.2		14				38.0
40.0					12.5	12	12	10.5	10.5	12.2	12.5	10.9	11.2	12.8	13.3	11.5	12	13.8	12.7	12.5		40.0
42.0																11.6					42.0	
44.0						9.5	9.5	9.9	10.3	10.6	11.1	11.6	10.5								44.0	
46.0							8.5	8.9	9.3	9.7	10.2	10.7	9.6								46.0	
48.0							7.3	7.7	8.1	8.5	9	9.5	8.8								48.0	
50.0								6.6	7	7.5	8.1	8.6	8								50.0	
52.0								5.7	6.1	6.6	7.2	7.7	7.4								52.0	
54.0									5.4	5.9	6.5	7	6.7								54.0	
56.0									4.6	5.1	5.7	6.3	6								56.0	
58.0										4.5	5.1	5.7	5.5								58.0	
60.0										3.7	4.4	5	5								60.0	
62.0										3.2	3.9	4.5	4.5								62.0	
64.0											3.3	4	4								64.0	
66.0											2.8	3.4	3.4								66.0	
68.0												3	3								68.0	
70.0												2.5	2.5								70.0	
72.0													2.2								72.0	
74.0																			1.7	74.0		
76.0																			1.3	76.0		
Magnification 11		10	9	8	7	7	6	5	4	4	3	2 magnification										
Hook		130 ton hook 3										40 ton hook 3			Hook							
stretch shrink direction Mode	ý	2	2	2	2		3	3	3	3	3		4	ý	stretch shrink direction Mode							
	ý	2	2	2	2	2	3	3	3	3	3	3	4	ý								
	ý2ý2ý1ý		2	2	2	2	2	3	3	3	3	3	4	ý								
	1ý1		2	2	2	2	2	2	3	3	3	3	4	ý								
Mode			2	2	2	2	2	2	2	3	3	3	4	ý								
			1	2	2	2	2	2	2	2	3	3	4	ý								
			1	1	2	2	2	2	2	2	2	3	4	ý								

Table 21 Rated lifting capacity of super-lift main boom



Unit: tons

The main boom can be extended from 34.6m to 90m, the outriggers are fully extended, and it can operate in all directions, with a counterweight of 70t.																							
Work Amplitude ýmý		Arm length (m)												Work Amplitude ýmý									
		34.6	39.4	44.2	49	53.8	58.6	63.4	68.2							73	77.8	82.6	90				
5.0		120																5.0					
6.0		120	110															6.0					
7.0		116	110	100	82													7.0					
8.0		105	104	100	79		77											8.0					
9.0		95	95	95	76	75	72											9.0					
10.0		88	87	88	72.5	72	70											10.0					
11.0		81	80	80	70	69	68	65										11.0					
12.0		68	70	72	65	65	64	63	55									12.0					
14.0		54.5	55.5		57	60	60	59	58	52	46	38.5						14.0					
16.0		44	45.5	47	48.5	47.5	47.5	48	45	44	38.5	30	21					16.0					
18.0		37	38.5	39.5	40.5	39.5	39.5	39.8			40	38	30	21				18.0					
20.0		31	32.5	33.5	34.5	33.5	33.5	33.8	36.5	33			30	21				20.0					
22.0		26	27.5	28.5	29.5	28.5	28.5	28.8	29.3	30			27	21				22.0					
24.0		21.5	23.5	24.5	25.5	24.5	24.5	24.8	25.3	25.8			25	19				24.0					
26.0		18	20	21.5	22.5	21.5	21.5	21.8	22.3	22.8	23.4	18.5						26.0					
28.0		14.5	17	18.5	19.8	16	17.5	18.8	18.8	16.5	16.5	18.8	19.1	16.5	19.6	20.1	20.7	17.3	17.8	18.4	18	28.0	
30.0			14.2							16.8											17	30.0	
32.0			11.7	13.7	15.3			14.7	14.7		14.7	15	15.5	16	16.6	15.8						32.0	
34.0				11.8	13.5	10	11.5	12.8	12.8	11	11	12.8	13.1	11.2	13.6	14.1	12	12.5	14.7	13.5	13.1	12	34.0
36.0										11.5													36.0
38.0						10	9.5	9.5	9.9	10.2	10.7	11.2	11.8	11								38.0	
40.0						8.7	8.4	8.4	8.7	9.2	9.7	10.2	10.8	10								40.0	
42.0							7.2	7.2	7.5	8	8.5	9	9.6	9								42.0	
44.0							6	6.2	6.5	7	7.5	8	8.6	8								44.0	
46.0								5.2	5.5	6	6.5	7	7.6	7								46.0	
48.0								4.2	4.7	5.2	5.7	6.2	6.8	6.5								48.0	
50.0									3.8	4.4	4.9	5.4	6	5.7								50.0	
52.0									3	3.6	4.1	4.7	5.3	5.1								52.0	
54.0										2.8	3.5	4.1	4.7	4.5								54.0	
56.0										2.1	2.8	3.5	4.1	4								56.0	
58.0											2.1	2.9	3.5	3.5								58.0	
60.0											1.5	2.3	2.9	3								60.0	
62.0												1.7	2.3	2.5								62.0	
64.0												1.2	1.8	2								64.0	
66.0														1.6								66.0	
68.0														1.1								68.0	
70.0																						70.0	
72.0																						72.0	
74.0																						74.0	
76.0																						76.0	
Magnification 11		10	9	8	7	7	6	5	4	4	3	2	magnification										
Hook		130 ton hook 3										40 ton hook 3			Hook								
stretch shrink direction Mode	ý	2	2	2	2		3	3	3	3	3		4	ý	stretch shrink direction Mode								
	ý	2	2	2	2	2	3	3	3	3	3	3	4	ý									
	ý2ý2ý1ý		2	2	2	2	2	3	3	3	3	3	4	ý									
	1ý1		2	2	2	2	2	2	3	3	3	3	4	ý									
Mode			2	2	2	2	2	2	2	3	3	3	4	ý									
			1	2	2	2	2	2	2	2	3	3	4	ý									
			1	1	2	2	2	2	2	2	2	3	4	ý									

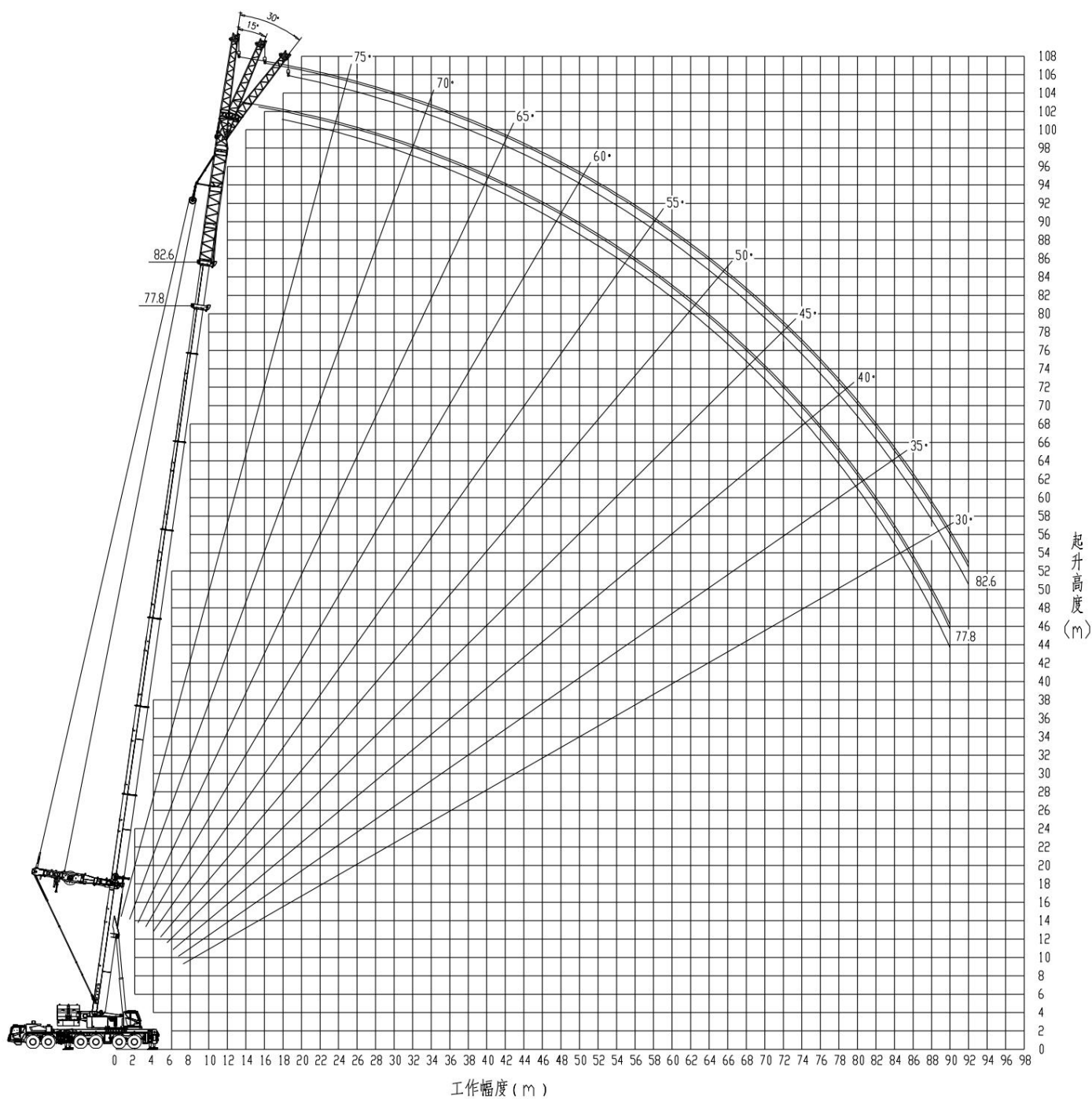


The main boom can be extended from 34.6m to 90m, with fully extended outriggers, all-round operation, and 50t counterweight.

Due to the continuous advancement of technical design, product changes cannot be notified to you in a timely and effective manner, please understand!

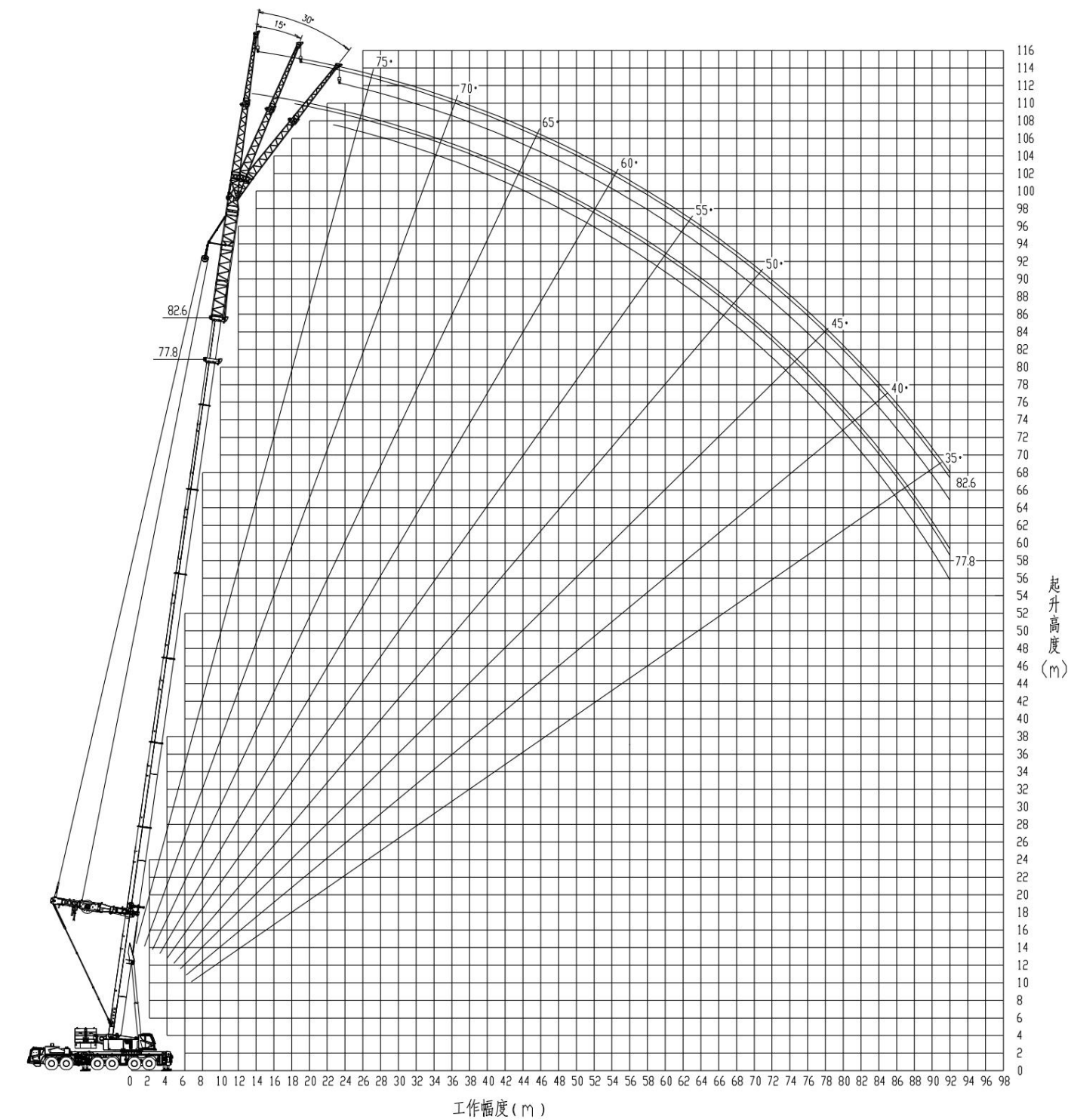
Lifting weight table/lifting curve chart

Super-lift main boom + 24.5m light jib working condition



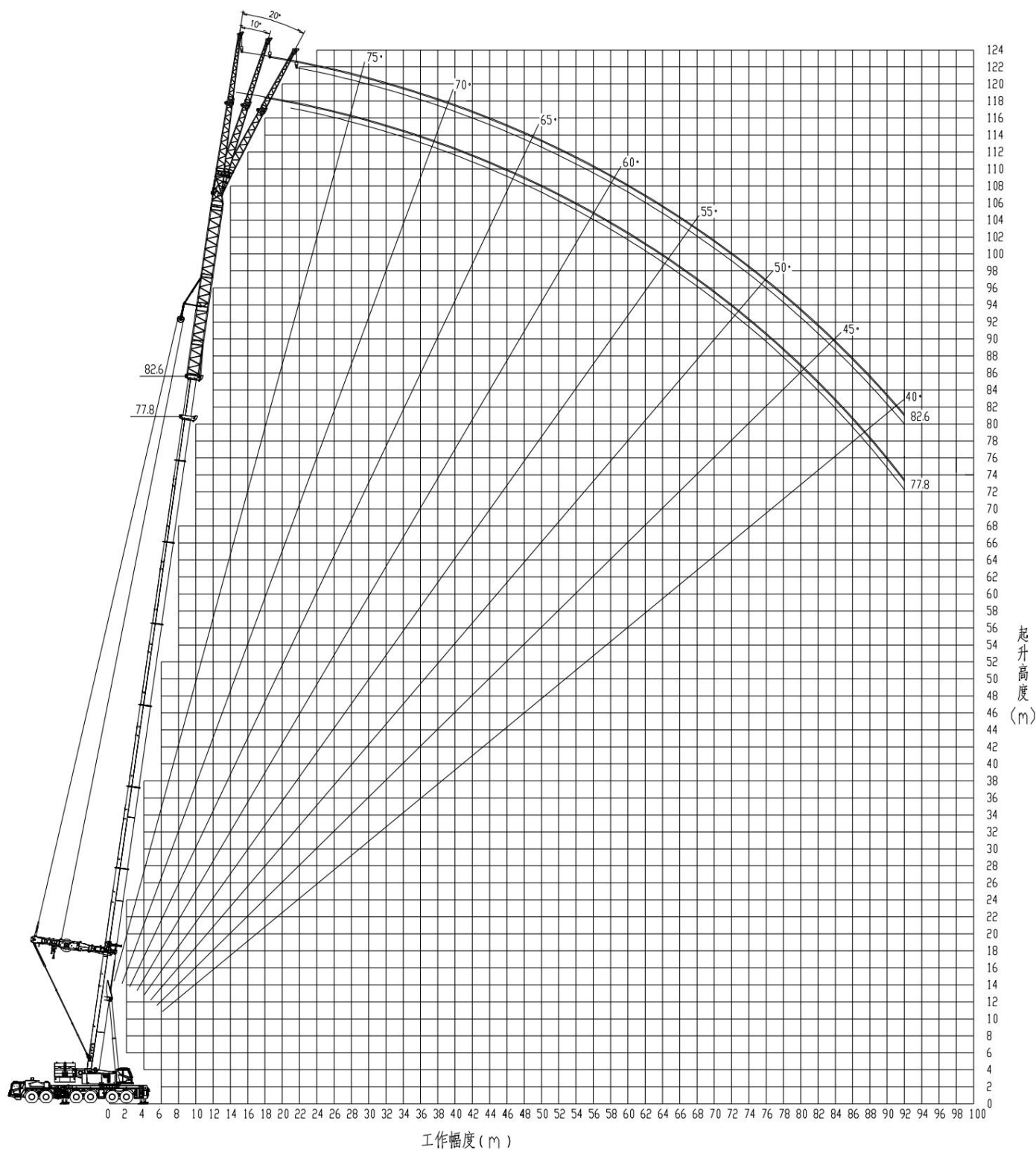
Lifting weight table/lifting curve chart

Super-lift main boom + 32.5m light jib working condition



Lifting weight table/lifting curve chart

Super-lift main boom + 40.5m light jib working condition



Super-lift main boom + 48.5m light jib working condition

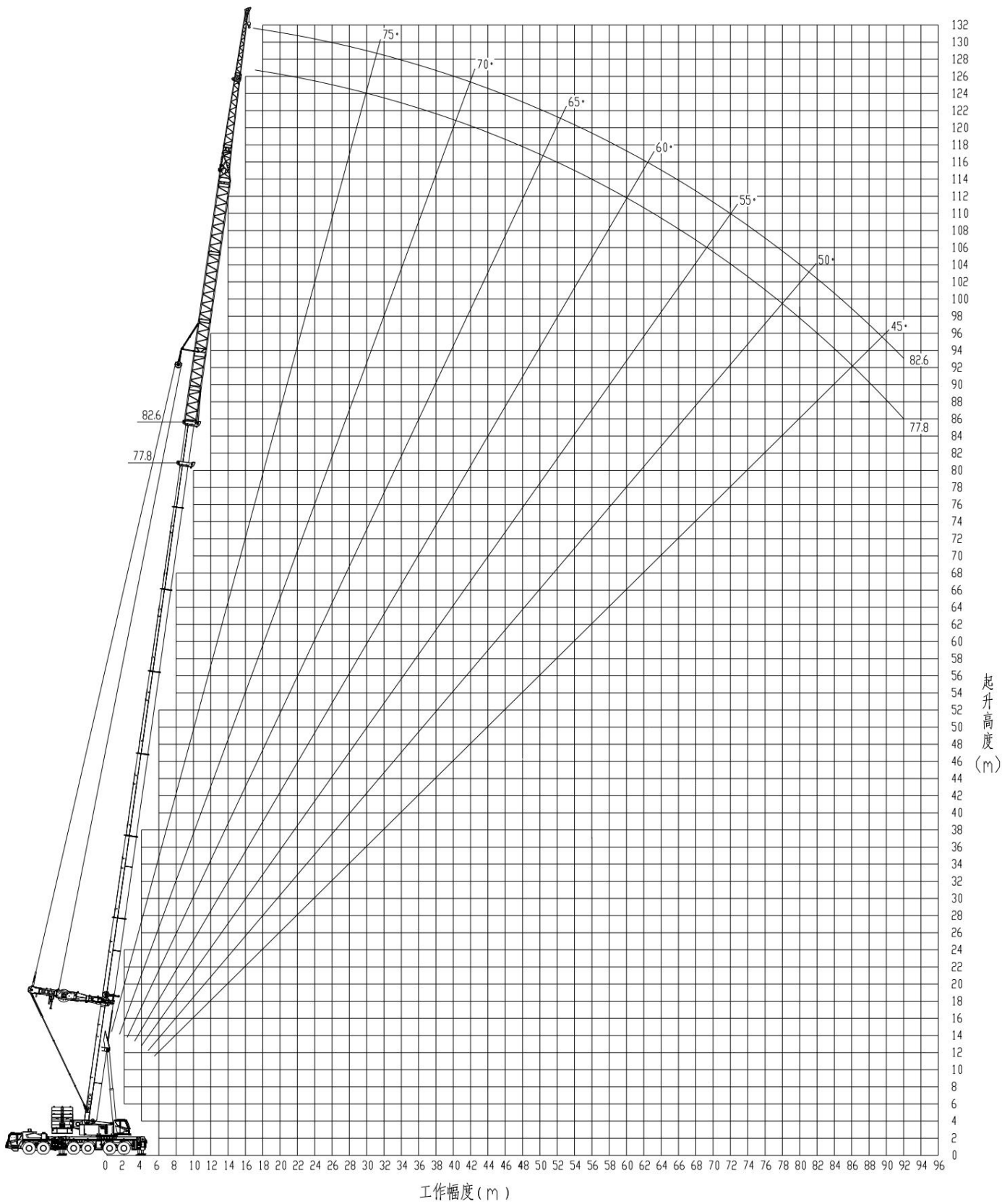


Table 23-1 Rated lifting capacity of super-lifting light jib



Unit: tons

The outriggers are fully extended 8.8m, 150t counterweight, all-round operation																															
Work Amplitude ýmý		Main arm (m) + jib arm (m) + jib arm installation angle (°)																		Work Amplitude ýmý											
		77.8			82.6			77.8			82.6			77.8			82.6					77.8	82.6								
		8			8			8			8			8			8					8	8								
		4			4			4			4			4			4					4	4								
		12.5			12.5			20.5			20.5			28.5			28.5					36.5	36.5								
		0° 15°	30° 0°	15° 30°	0° 15°	30° 0°	15° 30°	0° 15°	30° 0°	0° 15°	30° 0°												0°								
16																			16												
18	12																		18												
20	12	10.4			10.5			8											20												
22	12	10.2	7.8	10.5	9.5			7.7			7.2								22												
24	12	10	7.7	10.5	9.4	7.5	7.5	4.9			7.2			7					24												
26	12	9.7	7.6	10.5	9.2	7.3	7.1	4.8			7.1	4.9		7		5.9			26												
28	12	9.5	7.5	10.5	9.1			7.2	6.9	4.7	3.8	6.9	4.7			6.8	4.5		5.5	28											
30	12	9.3	7.4	10.5	8.8	7.1			6.6	4.6	3.6	6.6	4.6	3.7	6.5	4.4			5.9	5.5	30										
32	12	9.1	7.2	10.5	8.6	7.6	5.4	5.3	5.6	4.5	3.6	6.4	4.3	3.7	5.9	4.3			5.4		32										
34	11.6	8.9		7.1	10.4	8.5	7.6	2.4	4.3	5.6	2.4	4.3	5.6	1.2	3.6	5.8	4.2		3.5	5.3	4.8	34									
36	11.2	8.7	7	10.3	8.3	6.9			6	4.3	3.5	6.4	3.3	5.5	9.4	1			3.6	5.7	4.1	3.4	5.2	4.8	36						
38	10.8	8.5		6.9	10.2	8.2	6.8	5.8	4.2	3.5	5.9	4.2	3.4	5.8	4.3	5.6			4	3.3	5.1	4.7	38								
40	10.5	8.3		6.9	10.1	8.6	8.5	6.4	1					3.4	5.7	4.1			3.3	5.6	3.9	3.5	5.5	3.9	3.2		5	4.7	40		
42	10.1		8.1	6.8	10.7	8.6	7.5	5.4	3.4	5.5	4.3	2.5	4.3	8.3	4.5	4.3	8.3	2									5	4.6	42		
44	9.8	7.9	6.7	9.7	7.7	6.6	5.3	3.9	3.3	5.4	3.9	3.2	5.3	3.7	3.3	5.3	3.7	3.1								4.9	4.6	44			
46	9.5	7.8		6.6	9.5	7.5	6.5	5.2	3.9	3.3	5.2	3.8	3.2	5.1	3.6	3.2	5.1	3.6					3			4.8	4.5	46			
48	9.2	7.6	6.5	9.2	7.4	6.5			5	3.8	3.2	5.3	7						3.1	4.9	3.5	3.1	4.9	3.5				3	4.7	4.4	48
50	9	7.5	6.4	9.7	7.2	6.4	4.9	3.7	3.2	4.9	3.7								3.1	4.8	3.4	3.1	4.8	3.4	2.9				4.6	4.3	50
52	8.8	7.4	6.3	8.7	7.1				6.3	4.7	3.7	3.1	4.7	3.6					3.1	4.6	3.4	3.1	4.6	3.3	2.8				4.4	4.2	52
54	8.6	7.2	6.2	8.4	7		6.2	4.6	3.6	3.1	4.6	3.5	3.4	5.3	3.3	4.5	3.3	2.8										4.3	4.1	54	
56	8.4	7.1	6.1	8.1	6.8	6.2	4.5	3.5			3	4.5	3.5	3.4	4.3	2.9	4.4	3.2								2.8	4.2	4	56		
58	8.1	6.9	6	7.8	6.7	6.1	4.4	3.5			3	4.4	3.4	2.9	4.3	3.1			2.8	4.3	3.1					2.6	4.1	3.9	58		
60	7.9	6.8	6	7.5	6.6	6.4	3.3	4			3	4.3	3.4	2.9	4.2	3.2	7.4	2					3	2.5			4	3.8	60		
62	7.6	6.7	5.9	7.3	6.5	6.4	1.3	4.2	9.4	1							3.3	2.9	4.1	3.2	7.4	1					3	2.5	3.8	3.7	62
64	7.4	6.6	5.9	7.6	6.4	5.9	4.3	3.2	8.4	3.3	2.9						4	2.9	2.6	4.2	9.2	4							3.7	3.6	64
66	7.1	6.5	5.8	6.8	6.3	5.9	3.9	3.3	2.8	3.9	3.2	2.8	3.9	2.8	2.5	3.9	2.8	2.4										3.5	3.4	66	
68	6.9	6.4	5.8	6.5	6.1				5.8	3.9	3.2	2.7	3.9	3.2	2.8	3.8	2.7	2.4	3.8	2.7	2.3							3.4	3.2	68	
70	6.7	6.3	5.8	6.3	5.9	5.6	3.8	3.1									2.8	3.7	2.7	2.4	3.7	2.7	2.3					3.3	3.1	70	
72	6.5	6.2		5.7	6.5	7.5	4.3	7.3	2.7	3.7	3.1								2.7	3.6	2.6	2.3	3.6	2.6	2.3				3.2	3	72
74	6.3	6.1	5.7	5.9	5.5	5.2	3.6	2.9	2.6	3.6						3	2.6	3.6	2.5	2.2	3.6	2.5	2.2					3.1	2.9	74	
76	6.1	5.9	5.6	5.7	5.3	5.3	5	2.9	2.6	3.5						3	2.6	3.5	2.5	2.2	3.5	2.4	2.1					3	2.7	76	
78	5.9	5.7	5.4	5.6	5.2	4.9	3.4	2.8	2.5	3.5	2.9	2.5	3.4	2.4	2.1	3.4	2.4	2.1										2.8	2.6	78	
		1																		magnification											
magnification hook		12 ton hook																		Hook											
Mode	stretch	ý	3			3			3			3			3			3			3	3 ý			Mode						
	shrink	ý	3			3			3			3			3			3			3	3 ý									
	direction	ý	3			3			3			3			3			3			3	3 ý									
		ý	3			3			3			3			3			3			3	3 ý									
		ý	3			3			3			3			3			3			3	3 ý									
		ý	3			3			3			3			3			3			3	3 ý									
		ý	2			3			2			3			2			3			2	3 ý									

Table 23-2 Rated lifting capacity of super-lifting light jib



Unit: tons

The outriggers are fully extended 8.8m, 150t counterweight, all-round operation																													
Work Amplitude ymy		Main arm (m) + jib arm (m) + jib arm installation angle (°)																				Work Amplitude ymy							
		77.8			82.6			77.8			82.6			77.8			82.6			77.8	82.6								
		8			8			8			8			8			8			8	8								
		4			4			4			4			4			4			4	4								
		12.5			12.5			20.5			20.5			28.5			28.5			36.5	36.5								
		0° 15'	30° 0' 15"	80° 0' 15"	30° 0' 15"	30° 0' 15"	30° 0' 15"	30° 0' 15"	15° 30' 0"																	0°			
80	5.8	5.6	5.3	5.4	5	4.7	3.3	2.8	2.5	3.4	2.9	2.5	3.4	2.4	2.1					3.4	2.3		2	2.7	2.6	80			
82	5.6	5.4	5.2	5.2	4.8	4.5	3.3	2.8	2.5	3.4	2.8	2.4	3.3	2.3	2.2	1.9								2.7	2.5	82			
84	5.3	5.1	4.8	4.9	4.6	4.3	3.2	2.7	2.4	3.3	2.8	2.4	3.3	2.3	2.1								1.8	2.6	2.4	84			
86	4.8	4.7	4.4	4.9	4.5	4.2				3	2.6	2.3	3.1	2.6	2.2	3.1	2.2				1.9	3.1	2	1.7	2.5	2.3	86		
88	4	3.8	3.5	4.4	4.1			3.8	2.9	2.5	2.2				3	2.5	2.1	2.9	2.1				1.8	2.9	1.9	1.6	2.4	2.2	88
90	3.5	3.3	3	4		3.7	3.4	2.7	2.4				2	2.8	2.4	2.2	2.7			2	1.7	2.7		1.8	1.4	2.2	2.1	90	
92				3.5		3.2	2.8	2.5	2.2					2.6	2.2			2.5				2.5			2	1.8		92	
94																												94	
		1																							magnification				
magnification hook		12 ton hook																							Hook				
stretch shrink direction Mode	y	3			3			3			3			3			3			3			3		3		y	stretch shrink direction Mode	
	ȳ	3			3			3			3			3			3			3			3		3 ȳ				
	ȳ	3			3			3			3			3			3			3			3		3 ȳ				
	ȳ	3			3			3			3			3			3			3			3		3 ȳ				
	ȳ	3			3			3			3			3			3			3			3		3 ȳ				
	ȳ	3			3			3			3			3			3			3			3		3 ȳ				
	ȳ	2			3			2			3			2			3			2			3		3 ȳ				

Note: Notes on each line of work range:

1. 77.8m and 82.6m are the main boom lengths;
2. 8m is the length of 4m transition section + 4m heavy-duty jib;
3. 4m is the length of the A-frame truss arm;
4. 12.5m, 20.5m, and 28.5m are the jib lengths:

Jib 12.5m: 0.5m conversion section + connecting frame 1 + connecting frame 2 + first section of jib;

Jib 20.5m: 0.5m conversion section + connecting frame one + connecting frame two + first jib section + second jib section;

Jib 28.5m: 8m heavy-duty jib + 0.5m conversion section + connecting frame one + connecting frame two + first jib section + second jib section;

Jib 36.5m: 8m heavy jib + 8m heavy jib + 0.5m conversion section + connecting frame one + connecting frame two + first jib section + second jib section;
5. 0°, 15°, 30°: jib installation angle (the angle between the jib and the main arm).

Table 24-1 Rated lifting capacity of super-lifting light jib



Unit: tons

The legs are fully extended 8.8m, 110t counterweight, all-round operation																								
Work Amplitude ýmý		Main arm (m) + jib arm (m) + jib arm installation angle (°)																			Work Amplitude ýmý			
		77.8			82.6			77.8			82.6			77.8			82.6			77.8			82.6	
		8			8			8			8			8			8			8			8	
		4			4			4			4			4			4			4			4	
		12.5			12.5			20.5			20.5			28.5			28.5			36.5			36.5	
		0° 15°	30° 0°	15° 30°	0° 15°	30° 0°	15° 30°	0° 15°	30° 0°	15° 30°	0° 15°	30° 0°												
16																					16			
18	12																				18			
20	12	10.4		10.5				8													20			
22	12	10.2 7.8	10.5 9.5					7.7				7.2									22			
24	12	10	7.7 10.5 9.4 7.5	7.5 4.9								7.2				7					24			
26	12	9.7	7.6 10.5 9.2 7.3	7.1 4.8								7.1 4.9				7			5.9		26			
28	12	9.5	7.5 10.5 9.1 7.2	6.9 4.7	8.8 6.9 4.7										6.8 4.5			5.9		5.5	28			
30	12	9.3	7.4 10.5 8.8 7.1	6.6 4.6	8.6 6.6 4.6	3.7 6.5 4.4												5.9		5.5	30			
32	12	9.1	7.2 10.5 8.6 7.6	5.4 5.3	6.5 4.5	3.6 6.4	4.3 3.7	5.9 4.3												5.4	32			
34 11.6		8.9	7.1	10.4 8.5	7.6 2.4	4.4 3.5	6.2 4.4	3.5							6.1 4.2	3.6 5.8	4.2 3.5			5.3	4.8	34		
36 11.2		8.7	7	10.3 8.3	6.9 6.4	3.3 5						6	4.3 3.5	5.9 4.1				3.6 5.7	4.1		3.4	5.2	4.8	36
38 10.8		8.5	6.9 10.2	8.2 6.8	5.8 4.2	3.5 5.9	4.2 3.4	5.8 4.3	5.6 4.3	3.3										5.1	4.7	38		
40 10.5		8.3	6.9 10.1	8.6 8.5	6.4 1							3.4 5.7	4.1			3.3 5.6	3.9 3.5	5.5 3.9	3.2		5	4.7	40	
42 10.1		8.1	6.8	10	7.8 6.7	5.5 4.3	4.5 5.4	3.2 5.4	3.8 3.4	5.4 3.8	3.2									5		4.6	42	
44 9.8		7.9	6.7	9.7	7.7 6.6	5.3 3.9	3.3 5.4	3.9 3.2	5.3 3.7	3.3 5.3	3.7 3.1										4.9	4.6	44	
46 9.5		7.8	6.6	9.5	7.5 6.5	5.2 3.9	3.3 5.2	3.8 3.2								5.1	3.6 3.2	5.1 3.6	3.4 8				4.5	46
48 9.2		7.6	6.5	9.2	7.4 6.5	5.3 3.8	3.2					5	3.7 3.1		4.9 3.5			3.1 4.8	3.5 3.4	7			4.4	48
50	9	7.5	6.4	9	7.2 6.4	4.9 3.7	3.2 4.9	3.7 3.1								4.8 3.4		3.1 4.8	3.4 2.9	4.6			4.3	50
52 8.8		7.4	6.3	8.7	7.1 6.3	4.7 3.7	3.1 4.7	3.6 3.1								4.6 3.4	3.4 6.3	3.2 8.4					4.2	52
54 8.6		7.2	6.2	8.4	7.6 2.4	4.6 3.6	3.1 4.6	3.5								3	4.5 3.3	3.4 5.3	3.2 8.4	3			4.1	54
56 8.4		7.1	6.1	8.1	6.8 6.2	4.5 3.5	3.3 4.5	3.5								3	4.4 3.2	2.9 4.4	3.2 2.8	4.2			4	56
58 8.1		6.9	6	7.8	6.7 6.1	4.4 3.5	3.4 4.4	3.4 2.9	4.3 3.1									2.8 4.3	3.1		2.6 4.1		3.9	58
60 7.9		6.8	6	7.5	6.6 6.4	3.3 3.4	3.4 3.4	2.9 4.2								3	2.7 4.2		3	2.5	4	3.8	60	
62 7.6		6.7	5.9	7.3	6.5 6.4	1.3 4.2	2.9 4.1	3.3 2.9	4.1								3	2.7 4.1		3	2.5	3.8	3.7	62
64	7	6.5	5.9	7	6.4 5.9	4.3 3.2	3.8 4.3	2.9 4.2	2.6 4.2	2.9 2.4											3.7	3.6	64	
66 6.4		6.1	5.8	6.5	6.3 5.9	3.9 3.3	2.8 3.9	3.2 2.8	3.9 2.8	2.5 3.9	2.8 2.4										3.5	3.4	66	
68 5.8		5.6	5.3	6.1	6.5 8.3	3.9 3.2	2.7 3.9	3.2 2.8	3.8 2.7	2.4 3.8	2.7 2.3										3.4	3.2	68	
70	5.4	5.2	4.9	5.7	5.5 5.3	3.8 3.1				2.7 3.8	3.1 2.8	3.7 2.7	2.4 3.7	2.7 2.3							3.3	3.1	70	
72	4.8	4.6	4.3	5.1	4.9 4.7	3.7			3	2.7 3.7	3.1 2.7	3.6 2.6	2.3 3.6	2.6 2.3							3.2	3	72	
74	4.3	4	3.8	4.4	4.2 4.3	6.2 9.2	6.3 6.3	2.6 3.6	2.5 2.2	3.6 2.5	2.2										3.1	2.9	74	
76	3.8	3.5	3.2	4.1	3.8 3.6	3.5 2.9	2.6 3.5	3.2 6.3	5.2 2.5	2.3 5.2	2.4 2.1									3	2.7	76		
78	3.3	3.1	2.8	3.6	3.4 3.2	3.4 2.8	2.5 3.5	2.9 2.5	3.4 2.4	2.1 3.4	2.4 2.1									2.8	2.6	78		
		1																			magnification			
magnification hook		12 ton hook																			Hook			
stretch shrink direction Mode	y	3			3			3			3			3			3			3	3	y	stretch shrink direction Mode	
	ÿ	3			3			3			3			3			3			3	3 ÿ			
	ÿ	3			3			3			3			3			3			3	3 ÿ			
	ÿ	3			3			3			3			3			3			3	3 ÿ			
	ÿ	3			3			3			3			3			3			3	3 ÿ			
	ÿ	3			3			3			3			3			3			3	3 ÿ			
	ÿ	2			3			2			3			2			3			2	3 ÿ			

Table 24-2 Rated lifting capacity of super-lifting light jib



Unit: tons

The legs are fully extended 8.8m, 110t counterweight, all-round operation																																
Work Amplitude ymy		Main arm (m) + jib arm (m) + jib arm installation angle (°)																			Work Amplitude ymy											
		77.8			82.6			77.8			82.6			77.8			82.6			77.8			82.6									
		8			8			8			8			8			8			8			8									
		4			4			4			4			4			4			4			4									
		12.5			12.5			20.5			20.5			28.5			28.5			36.5			36.5									
		0° 15'	30° 0'	15° 30'	0° 15'	30° 0'	15° 30'	0° 15'	30° 0'	15° 30'	0° 15'	30° 0'	15° 30'	0° 15'	30° 0'	15° 30'	0° 15'	30° 0'	15° 30'	0° 15'			30° 0'	15° 30'	0°							
80	2.8		2.6	2.3	3.3	3	2.8	3.3	2.8	2.5	3.4	2.9	2.5	3.3	2.4	2.1	3.4	2.3					2	2.7	2.6	80						
82	2.5		2.3	2	2.8	2.6	2.4	3.1	2.8	2.5	3.4	2.8	2.4	3.2	2.3							2	3.3	2.2	1.9		2.7	2.5	82			
84	2.1		1.9	1.6	2.4	2.2	2.2	2.7	2.5	2.3	3.1	2.8	2.4	3.1	2.3							2	3.3	2.1		1.8	2.6	2.4	84			
86		1.8	1.6	1.3	2.1	1.9	1.7	2.4	2.2				2	2.7	2.5	2.2	2.7	2.2	1.9	3						2	1.7		2.5	2.3	86	
88		1.3	1.1		1.6	1.4	1.2	1.9	1.7	1.5	2.3	2.1					1.9	2.2	2.1	8	2.6	1.8	1.6						2.3	2.2	88	
90		1			1.3	1.1				1.6	1.4	1.2	1.9				1.7	1.5	1.9	1.7	1.5	2.2	1.7	1.4					2.1	2.1	90	
92					1					1.2					1.5	1.3				1.5				1.7					1.8	1.8	92	
94																															94	
		1																			magnification											
magnification hook		12 ton hook																			Hook											
stretch shrink direction Mode	y	3			3			3			3			3			3			3			3			3			y			stretch shrink direction Mode
	ȳ	3			3			3			3			3			3			3			3			3 ȳ						
	ȳ	3			3			3			3			3			3			3			3			3 ȳ						
	ȳ	3			3			3			3			3			3			3			3			3 ȳ						
	ȳ	3			3			3			3			3			3			3			3			3 ȳ						
	ȳ	3			3			3			3			3			3			3			3			3 ȳ						
	ȳ	2			3			2			3			2			3			2			3			3 ȳ						

Note: Notes on each line of work range:

1. 77.8m and 82.6m are the main boom lengths;
2. 8m is the length of 4m transition section + 4m heavy-duty jib;
3. 4m is the length of the A-frame truss arm;
4. 12.5m, 20.5m, 28.5m, 36.5m are jib lengths:

Jib 12.5m: 0.5m conversion section + connecting frame 1 + connecting frame 2 + first section of jib;

Jib 20.5m: 0.5m conversion section + connecting frame one + connecting frame two + first jib section + second jib section;

Jib 28.5m: 8m heavy-duty jib + 0.5m conversion section + connecting frame one + connecting frame two + first jib section + second jib section;

Jib 36.5m: 8m heavy jib + 8m heavy jib + 0.5m conversion section + connecting frame one + connecting frame two + first jib section + second jib section;
5. 0°, 15°, 30°: jib installation angle (the angle between the jib and the main arm).

Table 25-1 Rated lifting capacity of super-lifting light jib



Unit: tons

Outriggers fully extended 8.8m, 90t counterweight, all-round operation																											
Work Amplitude ýmý		Main arm (m) + jib arm (m) + jib arm installation angle (°)																			Work Amplitude ýmý						
		77.8			82.6			77.8			82.6			77.8			82.6			77.8			82.6				
		8			8			8			8			8			8			8			8				
		4			4			4			4			4			4			4			4				
		12.5			12.5			20.5			20.5			28.5			28.5			36.5			36.5				
		0° 15°	30° 0° 15°	30° 0° 15°	30° 0° 15°	30° 0° 15°	30° 0° 15°	30° 30° 0°	15° 30° 0°																0°		
16																					16						
18	12																				18						
20	12	10.4		10.5			8														20						
22	12	10.2	7.8	10.5	9.5		7.7			7.2											22						
24	12	10	7.7	10.5	9.4	7.5	7.5	4.9			7.2			7							24						
26	12	9.7	7.6	10.5	9.2	7.3	7.1	4.8			7.1	4.9		7		5.9					26						
28	12	9.5	7.5	10.5	9.1		7.2	6.9	4.7	3.8	6.9	4.7			6.8	4.5		5.9		5.5	28						
30	12	9.3	7.4	10.5	8.8	7.1			6.6	4.6	3.6	6.6	4.6	3.7	6.5	4.4		5.9		5.5	30						
32	12	9.1	7.2	10.5	8.6	7.6	5.4	5.3	6.5	4.5	3.6	6.4	4.3	3.7	5.9	4.3			5.4		32						
34	11.6	8.9		7.1	10.4	8.5	7.6	2.4	4.3	5.6	2.4	4.3	3.5	6.1	4.2	3.6	5.8	4.2	3.5	5.3	4.8	34					
36	11.2	8.7		7	10.3	8.3	6.9			6	4.3	3.5	6.4	3.3	5.5	9.4	1.1		3.6	5.7	4.1	3.4	5.2	4.8	36		
38	10.8	8.5		6.9	10.2	8.2	6.8	5.8	4.2	3.5	5.9	4.2	3.4	5.8	4.3	5.5	6.4	3.3		5.1	4.7	38					
40	10.5	8.3		6.9	10.1		8	6.8	5.6	4.1			3.4	5.7	4.1	3.3	5.6	3.9	3.5	5.5	3.9	3.2	5	4.7	40		
42	10.1	8.1	6.8	10.7	8.6	7.5	5.4	3.4	5.5				4	3.2	5.4	3.8	3.4	5.4	3.8	3.2		5	4.6	42			
44	9.8	7.9	6.7	9.7	7.7	6.6	5.3	3.9	3.3	5.4	3.9	3.2	5.3	3.7	3.3	5.3	3.7	3.1				4.9	4.6	44			
46	9.5	7.8	6.6	9.5	7.5	6.5	5.2	3.9	3.3	5.2	3.8	3.2	5.1				3.6	3.2	5.1	3.6		3	4.8	4.5	46		
48	9.2	7.6	6.5	9.2	7.4	6.5		5	3.8	3.2		5	3.7	3.1	4.9	3.5			3.1	4.9	3.5		3	4.7	4.4	48	
50	9	7.5	6.4	9	7.2	6.4	4.9	3.7	3.2	4.9	3.7	3.1	4.8	3.4				3.1	4.8	3.4	2.9			4.6	4.3	50	
52	8.5	7.4	6.3	8.5	7.1	6.3	4.7	3.7	3.1	4.7	3.6	3.1	4.6	3.4	4.3	4.6	3.3	2.8						4.4	4.2	52	
54	7.7	7.2	6.2	8.1	7	6.2	4.6	3.6	3.1	4.6	3.5	3.4	4.5	3.3	3.4	4.5	3.3	2.8						4.3	4.1	54	
56	7	6.8	6.1	7.3	6.8	6.2	4.5	3.5			3	4.5	3.5	3.4	4.3	2.2	2.9	4.4	3.2	2.8				4.2	4	56	
58	6.4	6.2	6	6.7	6.5	6.1	4.4	3.5			3	4.4	3.4	2.9	4.3	3.1			2.8	4.3	3.1		2.6	4.1	3.9	58	
60	5.9	5.7	5.5	6.2	6	5.8	4.3	3.4			3	4.3	3.4	2.9	4.2			3	2.7	4.2	3.2	5		4	3.8	60	
62	5.3	5.1	4.9	5.6	5.4	5.2	4.1	3.4	2.9	4.1	3.3	2.9	4.1					3	2.7	4.1	3.2	5		3.8	3.7	62	
64	4.7	4.5	4.3	5	4.8	4.6			4	3.3	2.8	4.3	3.2	2.9	4.2	2.6				4	2.9	2.4		3.7	3.6	64	
66	4.3	4.1	3.9	4.6	4.4	4.2	3.9	3.3	2.8	3.9	3.2	2.8	3.9	2.8	2.5	3.9	2.8	2.4						3.5	3.4	66	
68	3.8	3.6	3.4	4.1	3.8	3.6	3.9	3.2	2.7	3.9	3.2	2.8	3.8	2.7	2.4	3.8	2.7	2.3						3.4	3.2	68	
70	3.3	3	2.9	3.6	3.3	3.1			3.8	3.1			2.7	3.8	3.1	2.8	3.7	2.7	2.4	3.7	2.7	2.3		3.3	3.1	70	
72	2.8	2.5	2.3	3.1	2.8	2.6	3.4	3.2	2.7	3.6	3.1	2.7	3.6	2.6	2.3	3.6	2.6	2.3						3.2	3	72	
74	2.3	2.1	1.9	2.6	2.4	2.2	2.9	2.7	2.5	3.2	2.9	2.6	3.1	2.5	2.2	3.4	2.5	2.2						3.1	2.9	74	
76	1.9	1.7	1.5	2.2	2	1.8	2.4	2.2			2	2.8	2.6	2.4	2.7	2.5	2.2	2.9	2.4	2.1				3	2.7	76	
78	1.4	1.2	1	1.7	1.5	1.3			2	1.9	1.7	2.1	1.9	1.7	2.1				1.9	1.7	2.5	2.3	2.1		2.4	2.6	78
		1																			magnification						
		12 ton hook																			Hook						
stretch shrink direction Mode	y	3			3			3			3			3			3			3			3			y	stretch shrink direction Mode
	ȳ	3			3			3			3			3			3			3			3 ȳ				
	ȳ	3			3			3			3			3			3			3			3 ȳ				
	ȳ	3			3			3			3			3			3			3			3 ȳ				
	ȳ	3			3			3			3			3			3			3			3 ȳ				
	ȳ	3			3			3			3			3			3			3			3 ȳ				
	ȳ	2			3			2			3			2			3			2			3 ȳ				

Table 25-2 Rated lifting capacity of super-lifting light jib



Unit: tons

Outriggers fully extended 8.8m, 90t counterweight, all-round operation																							
Work Amplitude ymy	Main arm (m) + jib arm (m) + jib arm installation angle (°)																				Work Amplitude ymy		
	77.8			82.6			77.8			82.6			77.8			82.6			77.8 82.6				
	8			8			8			8			8			8			8	8			
	4			4			4			4			4			4			4	4			
	12.5			12.5			20.5			20.5			28.5			28.5			36.5 36.5				
	0° 15°	30° 0° 15°	30° 0° 15°	30° 0° 15°	30° 0° 15°	30° 0° 15°	30° 0° 15°	15° 30° 0°														0°	
80	1			1.3	1.1		1.5 1.3		1.1	1.7 1.5	1.3		1.9 1.7		1.5	2	1.9	1.7	2	2.3	80		
82				1			1.2	1		1.4 1.2		1	1.4 1.2		1	1.7	1.5	1.3	1.6	1.8	82		
84										1.1			1.1			1.4	1.2	1	1.3	1.5	84		
86																1.1			1.1	1.2	86		
88																					88		
		1																				magnification	
magnification hook		12 ton hook																				Hook	
stretch shrink direction Mode	y	3			3			3			3			3			3			3	3	y	stretch shrink direction Mode
	y	3			3			3			3			3			3			3	3 y		
	y	3			3			3			3			3			3			3	3 y		
	y	3			3			3			3			3			3			3	3 y		
	y	3			3			3			3			3			3			3	3 y		
	y	3			3			3			3			3			3			3	3 y		
		2			3			2			3			2			3			2	3 y		

Note: Notes on each line of work range:

1. 77.8m and 82.6m are the main boom lengths;
2. 8m is the length of 4m transition section + 4m heavy-duty jib;
3. 4m is the length of the A-frame truss arm;
4. 12.5m, 20.5m, 28.5m, 36.5m are jib lengths:

Jib 12.5m: 0.5m conversion section + connecting frame 1 + connecting frame 2 + first section of jib;

Jib 20.5m: 0.5m conversion section + connecting frame one + connecting frame two + first jib section + second jib section;

Jib 28.5m: 8m heavy-duty jib + 0.5m conversion section + connecting frame one + connecting frame two + first jib section + second jib section;

Jib 36.5m: 8m heavy jib + 8m heavy jib + 0.5m conversion section + connecting frame one + connecting frame two + first jib section + second jib section;
5. 0°, 15°, 30°: jib installation angle (the angle between the jib and the main arm).

Table 26 Rated lifting capacity of super-lifting light jib



Unit: tons

The outriggers are fully extended 8.8m, 70t counterweight, all-round operation																							
Work Amplitude ýmý		Main arm (m) + jib arm (m) + jib arm installation angle (°)																		Work Amplitude ýmý			
		77.8			82.6			77.8			82.6			77.8			82.6					77.8	82.6
		8			8			8			8			8			8					8	8
		4			4			4			4			4			4					4	4
		12.5			12.5			20.5			20.5			28.5			28.5					36.5	36.5
0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0°			0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0°			0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0°			0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0°			0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0°			0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0°			0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0° 15° 30° 0°			0° 15° 30° 0° 15° 30°		

Note: Please see the previous table for comments on each line of work range.

Table 27 Rated lifting capacity of super-lifting light jib



Unit: tons

The legs are fully extended 8.8m, 50t counterweight, all-round operation																							
Work Amplitude ÿmÿ		Main arm (m) + jib arm (m) + jib arm installation angle (°)																		Work Amplitude ÿmÿ			
		77.8			82.6			77.8			82.6			77.8			82.6					77.8	82.6
		8			8			8			8			8			8					8	8
		4			4			4			4			4			4					4	4
		12.5			12.5			20.5			20.5			28.5			28.5					36.5	36.5
		0° 15°	30° 0°	15° 30°	0° 15°	30° 0°	15° 30°	0° 15°	30° 0°	15° 30°	0° 15°	30° 0°	15° 30°	0° 15°	30° 0°	15° 30°	0° 15°	30° 0°	15° 30°	0°			
16																				16			
18	12																			18			
20	12	10.4		10.5				8												20			
22	12	10.2 7.8	10.5 9.5					7.7				7.2								22			
24	12	10	7.7 10.5	9.4 7.5	7.5 4.9							7.2			7					24			
26	12	9.7	7.6 10.5	9.2 7.3	7.1 4.8							7.1 4.9			7		5.9			26			
28	12	9.5	7.5 10.5	9.1 7.2	6.9 4.7	3.8 6.9	4.7							6.8 4.5			5.9		5.5	28			
30	12	9.3	7.4 10.5	8.8 7.1	6.6 4.6	3.6 6.6	4.6	3.7 6.5	4.4								5.9		5.5	30			
32 11.5		9.1	7.2 10.5	8.6 7.6	5.4 5.3	3.5 6.5	4.5	3.6 6.4	4.3 3.7	5.9 4.3									5.4	32			
34	11	8.9	7.1	10.4 8.5	7.6 2.4	4.4 3.5	6.2 4.4	3.5						6.1 4.2	3.6 5.8	4.2 3.5			5.3	4.8	34		
36 9.8		8.7	7	10	8.3 6.9	6.4 3.3	5				6	4.3 3.5	5.9 4.1				3.6 5.7	4.1	3.4	5.2	4.8	36	
38 8.6		8.5	6.9	8.8	8.2 6.8	5.8 4.2	3.5 5.9	4.2 3.4	5.8 4.3	5.6 4.3									5.1	4.7	38		
40 7.5		7.4	6.9	7.7	7.5 6.8	5.6 4.1				3.4 5.7	4.1			3.3 5.6	3.9 3.5	5.5 3.9	3.2		5	4.7 40			
42 6.6		6.5	6.3	6.8	6.6 6.4	5.5 4.3	4.5 5.4	3.2 5.4	3.8 3.4	5.4 3.8	3.2								5	4.6 42			
44 5.8		5.6	5.4	6	5.8 5.6	5.3 3.9	3.3 5.4	3.9 3.2	5.3 3.7	3.8 3.3	3.1								4.9	4.6 44			
46 5.1		4.9	4.7	5.3	5.1 4.9	5.2 3.9	3.3 5.2	3.8 3.2						5.1	3.6 3.2	5.1 3.6	3.4 8			4.5 46			
48 4.4		4.2	4	4.7	4.4 4.1	4.9 3.8	3.2				5	3.7 3.1		4.9 3.5		3.1 5.3	3.4 7			4.4 48			
50 3.9		3.7	3.3	4	3.8 3.6	4.3 3.7	3.2 4.5	3.7 3.1						4.4 3.4		3.1 4.7	3.4 2.9	4.6		4.3	50		
52 3.3		3.1	2.8	3.5	3.3 3.3	3.7 3.5	3.1				3.9 3.5	3.1		3.8 3.4	3		4 3.3	2.8	4	4.2	52		
54 2.8		2.6	2.3	3	2.8 2.6	3.2		3	2.9 3.3	3.1 2.9	3.2			3	2.8 3.3	3.1		2.8	3.3	3.6	54		
56 2.2		2	1.7	2.5	2.2 2.2	2.5 2.3	2.8 2.5	2.4 2.7	2.5 2.3	2.8 2.6	2.4								2.7	2.9	56		
58	1.6	1.4		2	1.7 1.5	2.2		2	1.8 2.3	2.1		1.9 2.2	2	1.8 2.3	2.1		1.9	2.2	2.3	58			
60	1.1			1.5	1.1		1.7 1.5	1.3 1.8		1.6	1.4	1.7	1.5 1.8	1.8		1.6 1.4		1.6	1.7	60			
62				1			1.1			1.3	1.1		1.2	1		1.3	1.1		1.2	1.4	62		
64										1						1				1	64		
66																					66		
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stretch shrink direction Mode	ÿ	3			3			3			3			3			3			3	3	ÿ	stretch shrink direction Mode
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Note: Please see the previous table for comments on each line of work range.

Onboard parts

main arm

- 8-section boom, using 1100MPa grade high-strength steel plate, oval cross-section boom, has super lifting capacity and outstanding layout

Internal stability and excellent bending resistance.

- Main boom length: 15.4m~90m.

jib

- Divided into light jib and heavy jib (optional).

- Light jib length: 20m, 28m, 37.5m (optional 1 section 8m standard section), 45.5m (optional 2 sections 8m standard)

Festival).

- In over-lift state, the length of the light jib is: 24.5m, 32.5m, 40.5m, 48.5m.

- The heavy-duty jib consists of a 4m transition section, a first heavy-duty jib, an A-frame, a luffing heavy-duty jib, an 8m standard section, a conversion section and a goose head

Frame composition. Heavy jib length: 13m, 17m, 21m, 25m, 33m, 41m, heavy jib can only be in super-lifted state

Use below.

- Do not take it with you when driving.

Telescopic mechanism

- It adopts single-cylinder telescopic latch mechanism, ejection pin form, automatic program control, and sequential telescopicity.

- Visually display the telescopic status on the monitor; you can choose fully automatic or manual telescopic methods.

Super lifting device (optional)

- Y-type equal rope length super-lifting device, single-piece structure, installed on the head of the 85-arm, 2-magnification steel wire rope, requires an auxiliary crane to install

Pack.

Lifting mechanism

- High-quality winch mechanism integrating reducer, reel, brake and motor, with compact structure.

- Special rope groove ensures optimal winding of multi-layer wire ropes, avoids rope tangles and extends the service life of the wire ropes.

- Using high-quality anti-torsion steel wire rope, the hoisting weight will not rotate and the rope will not be messed up. The bag-type rope head can be quickly replaced to maximize the magnification.

Luffing mechanism

- Double cylinder luffing mechanism, luffing range -0.4°-82°.

slewing mechanism

- Adopts dual mechanism of hydraulic motor + planetary reducer, rotation speed 0-1.4rpm.

turntable

- High-strength structural steel, torsion-resistant box structure, strong load-bearing capacity.

control room

- 4.0 series large space sliding door panoramic control room, push-out glass front window, with front footrest, and safety guardrail on the top.
- There is no instrument panel or electrical components in the front of the control room, making the space more spacious and comfortable, and providing a better riding experience.
- Integrated bus button panel, compact and simple layout, high reliability; with night vision background light, clear display, safer night operation.
- Vertical 10.4-inch LCD computer touch screen, integrated with all functions, better viewing angle, non-reflective, and better operating experience.
- With USB plug, rechargeable.
- Equipped with a pitching mechanism that can achieve 0-20° pitching, effectively expanding the operating field of view and reducing operating intensity.
- The control room is equipped with heating and cooling air conditioning.

Counterweight

- The combined counterweight consists of a counterweight frame, a bottom counterweight, and a movable counterweight block. The total weight of the counterweight is 110 tons, of which the counterweight frame is 4 tons, and the bottom counterweight is 4 tons.

The counterweight is 26 tons and eight 10-ton standard counterweight blocks. The movable counterweight is loaded and unloaded through the counterweight lifting mechanism, which can be loaded and unloaded through its own crane arm.

Carry out self-loading and unloading.

- Counterweight combination weight: 0 tons, 30 tons, 50 tons, 70 tons, 90 tons, 110 tons.
- If used in over-lift conditions, two 10-ton movable counterweights can be added to each side of the original 110-ton counterweight combination, for a total of 150

Ton.

Hook

- The hooks are 220t, 160t, 130t, 80t, 40t, 25t, 12t, 80t and above adopt double hook handle form.
- Among them, 130t and 40t hooks are standard accessories, and the rest are optional accessories.

hangar

- The machine shed is a frame structure with beautiful appearance.

Centralized lubrication system

- Both the upper and lower vehicles adopt a progressive centralized lubrication system, which automatically and progressively injects oil into the main relative movement points, extending the service life of the whole machine and making it easy to
For maintenance.

Control System

- The upper hydraulic system adopts a combined open and closed system. Among them, the rotation adopts a closed system, and the main hoisting, luffing, telescopic mechanism and its
All other auxiliary mechanisms adopt open valve control systems.
- The control mode superimposes the compound action loading strategy, the control smoothness control strategy of the main action, etc.

security monitoring system

- Using bus technology, both the chassis and the vehicle can monitor the outrigger reaction force and frame tilt angle in real time to prevent danger.
- The entire vehicle is equipped with a variety of encoders and sensors, which can monitor the status of various vehicle systems in real time, and cooperate with upgraded safety strategies to eliminate dangers
occur to achieve safe and efficient operations.

Get on the engine

- Weichai WP7G270E301 in-line six-cylinder supercharged and intercooled (air-to-air) diesel engine, non-road emission China Stage 3 (GB
20891-2014), rated maximum power 199kW/2000rpm, maximum output torque 1200N·m/1200rpm~
1500rpm

Chassis components

Chassis engine

- Weichai WP15H660E61 engine, in-line, direct injection, water-cooled, four-stroke, two-stage supercharging, intercooling between stages, electronically controlled high-voltage common rail; SAE1 flywheel housing, shallow pool oil pan, front fan, rear PTO power take-off; emissions meet the National VI b stage.

Power: 485kW/1800 rpm Maximum

torque: 3200 Nm/(900~1400)rpm

Displacement: 15.33L

transmission

- C12JZSDQXL320A+FHB400 mechanical automatic transmission, equipped with hydraulic retarder and electronic hand control; maximum input torque Moment: 3200N.m.

transfer case

- Double-gear transfer case from Zhuzhou Gear Company, matched with emergency steering pump.

axle

- Domestic 13-ton axle, full-axle steering, drive type 12×8, of which the first, third, fourth and fifth axles are steering drive axles, the first and second and sixth bridges are steering driven bridges. The first, third, fourth and fifth axles have inter-wheel differential locking devices, and the third axle has inter-axle differential locking devices device, the fourth bridge has a release drive device, which can control the release of the fifth bridge drive; the whole bridge adopts disc brakes.

Outrigger

- H-type double-stage outriggers, box section, welded from high-strength steel with $\sigma_s=960\text{MPa}$.

tire

- Using 445/95 R25 radial tires, tubeless.
- Inflation pressure: 0.95MPa (Michelin, Bridgestone)/1.05MPa (Taikaiying).

turn

- Electronically controlled all-wheel steering, six steering modes, with wired emergency operation control box.

- Mechanical steering for the front 2 axles, electro-hydraulic proportional steering for the rear 4 axles; dual oil channel steering gear, single axle dual cylinder power assist, all electronically controlled steering axles

Equipped with a centering cylinder to enhance the ability to return to alignment.

suspension

- Using axle load group balancing, the suspension height is adjustable. The system has vehicle leveling, axle load group balancing, flexible support, and rigid support.

Functions such as locking, vehicle lifting, unilateral lifting, independent lifting of third and fourth axles, etc. There is a speed regulating valve in the suspension control valve oil line to realize various

The suspension cylinders are lifted and lowered synchronously.

brake

- Service brake: Dual circuit air brake, acting on 12 brakes.
- Parking and emergency braking: spring braking, acting on 10 brakes on the second, third, fourth, fifth and sixth axles.
- Auxiliary braking: engine auxiliary braking + hydraulic retarder auxiliary braking.
- The braking system is equipped with ABS.

Electrical System

- CAN bus communication is used between electrical modules, 28V, 120A large-capacity generator, and high-resolution LCD touch screen built into the cab

Large screen, multi-interface, human-computer interactive interface, multi-functional combination electronic instrument screen.

- Set the system alarm indicator light, click to jump directly to the detection interface.
- The suspension debugging interface detects and monitors the power on and off status of all relevant valves throughout the entire process, making the operation simple and intuitive.

Cab

- Low-mounted full-width ZTC series full-width cab, all-metal welded structure, soft plastic interior, large interior space, wide field of vision,

Comfortable to sit and easy to operate.

- Adopt adjustable steering wheel, windshield washer, electric windows, large combination multi-angle reflector, air suspension driver's seat,

And two passenger seats with high backrests and armrests; the workbench is equipped with various electronic instruments, indicator lights, control switches, cigarette lighters,

USB interface, MP3 playback system, adjustable heating defrost device and single cooling air conditioning device and other equipment.