ZOOMLION
ALL TERRAIN CRANE
ZAT2500V853

ZOOMLION

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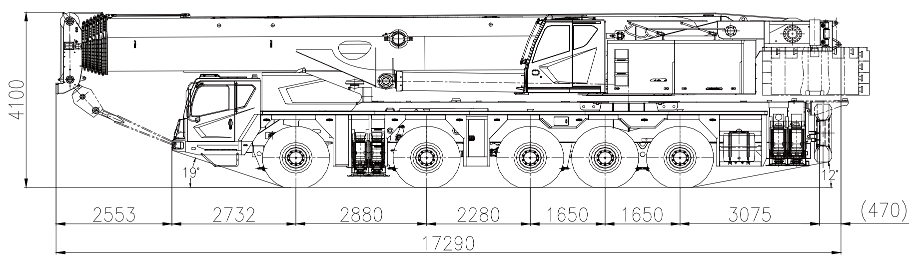
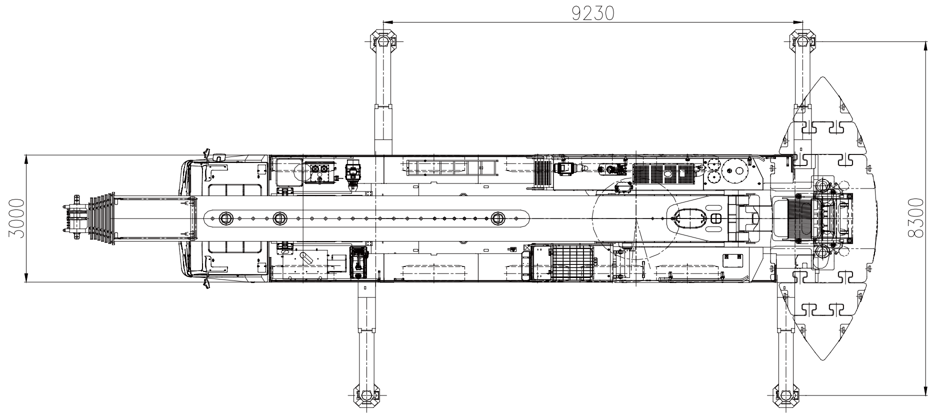
DIMENSION PARAMETER

Unit: mm



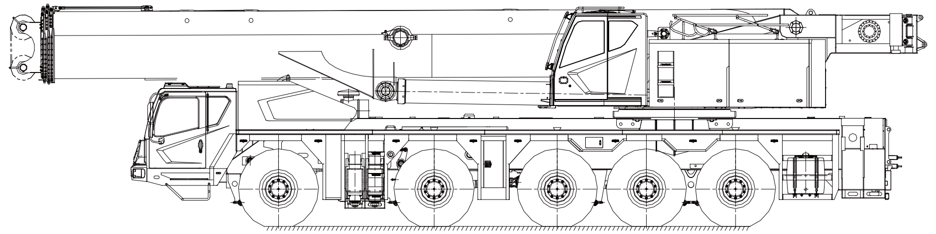


TRAVELING DIMENSION PARAMETER

TRoad travel mode (single axle not exceeding 12t):

These components such as the hook, the movable counterweight, the jib, the rooster sheave, the tip boom, the main winch and the main hoist rope, the auxiliary winch and the auxiliary hoist rope, the rear sliding beams (including the cylinders), the outrigger pads, 4-8 sections of main boom and the spare tires are removed from the crane

Under the single axle not exceeding 12t state, the vehicle speed is below 80 km/h and max. permissible gradeability is 48%



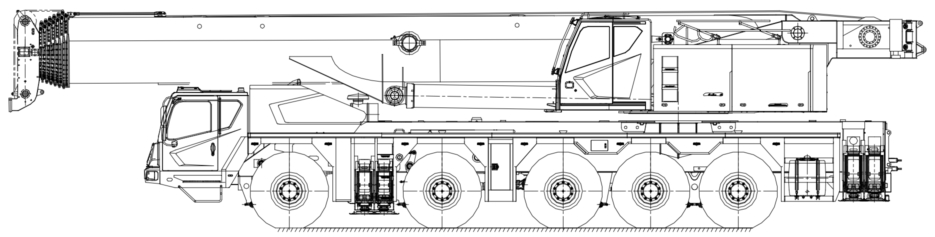
TRAVELING DIMENSION PARAMETER

Unit: mm

Road travel mode (70t):

These components such as the hook, the rooster sheave,the jib, the auxiliary winch and theauxiliaryhoist rope, the counterweight and the spare tires are removed from the crane

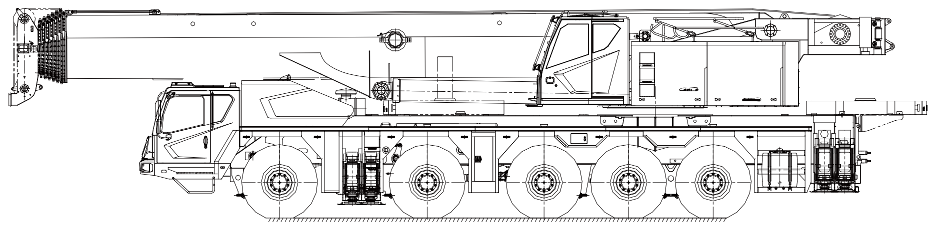
For regulartraveling, the vehicle speed is below 70 km/h and max. permissible gradeability is 48%



③Off-road transit mode (92t):

These components such as the hook, the rooster sheave, the jib, the auxiliary winch and the auxiliary hoist rope and the spare tire are removed from the crane.And the vehicle is with 22t counterweight

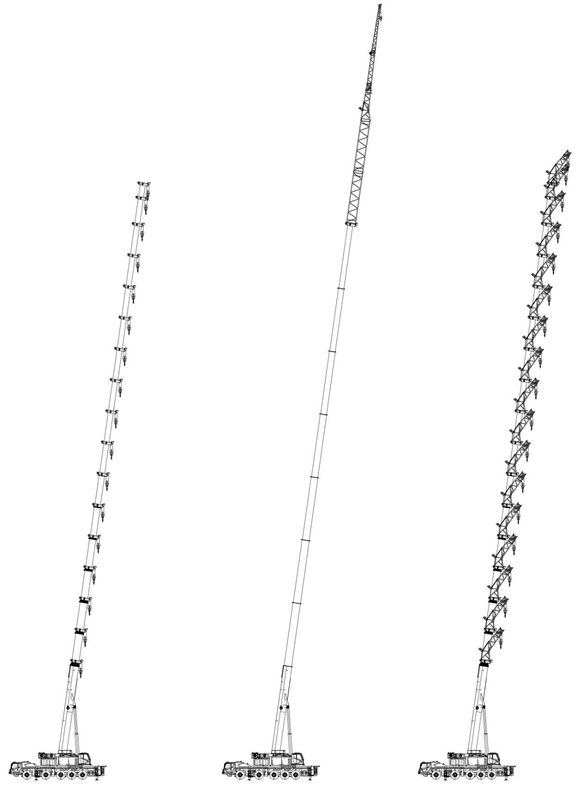
For short distance and off-road transit travelling, the vehicle speed is below 20 km/h and max. permissible gradeability is 30%



	1	2	3	4	5	Total Weight
①	10.05	10.05	11.60	11.60	11.60	54.9
②	14.00	14.00	14.00	14.00	14.00	70.0
③	14.14	14.14	21.24	21.24	21.24	92.0

BOOM / JIBS COMBINATION

Working Condition	Boom/Jib Length
Main Boom	14.6m-88m
Main Boom + 10.4m Jib	77m Main Boom+ 10.4m Jib
Main Boom + 10.4m Jib	81.8m Main Boom + 10.4m Jib
Main Boom + 17.5m Jib	77m Main Boom + 17.5m Jib
Main Boom + 17.5m Jib	81.8m Main Boom + 17.5m Jib
Main Boom + 25.5m Jib	77m Main Boom + 22.5m Jib
Main Boom + 25.5m Jib	81.8m Main Boom + 22.5m Jib
Main Boom + 33.5m Jib	77m Main Boom + 33.5m Jib
Main Boom +33.5m Jib	81.8m Main Boom + 33.5m Jib
Main Boom + Tip boom	Main Boom (14.6m-88m) + Tip boom (4.9m)



Main boom Main boom + Jib Main boom + Tip boom

CRANE AND COMPONENT WEIGHTS

Axle	1	2	3	4	5	Total weight
T	10.05	10.05	11.6	11.6	11.6	54.9

Note: without the hook, the movable counterweight, the jib, the rooster sheave, the tip boom, the main winch and the main hoist rope, the auxiliary winch and the auxiliary hoist rope, the rear sliding beams (including the cylinders), the outrigger pads, 4-8 sections of main boom and the spare tires

Hook Detailed Description

Specification	Weight (t)	Transport dimensions(mm)	Fall	Single/double hook	Standard/optional configuration
130t	1.48	1865×900×650	16	Double	Optional
110t	1.28	1835×805×650	14	Double	Optional
70t	0.92	1580×650×650	10	Double	Optional
70t	0.9	1675×650×650	10	Single	Standard
25t	0.59	1410×390×650	3	Single	Optional
9t	0.38	φ405×845	1	Auxiliary hook	Standard

Working speed

	km/h MAX.		
445/95 R25	80	48	12/2

Drive	Operation Speed	Rope diameter/length	Max. single line pull
1	135m/min	Φ20mm/425m	9t
2	120m/min	Φ20mm/245m	8.6t
360	0~1.5 r/min		
	70s		
	750s		

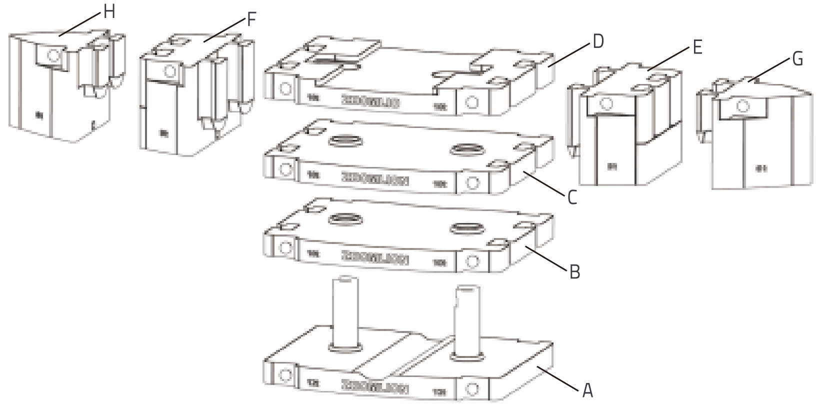
CRANE AND COMPONENT WEIGHTS

Counterweight

	Description	Mass (t)	Transport dimensions (mm)	Quantity (piece)
A	Lower counterweight	12	3000×2350×1130	1
B	Intermediate counterweight	10	3000×2350×315	1
C	Intermediate counterweight	10	3000×2350×315	1
D	Upper counterweight	10	3000×2355×320	1
E	Side counterweight 1	9	1015×1960×1100	1
F	Side counterweight 1	9	1015×1960×1100	1
G	Side counterweight 2	6	1315×1375×1100	1
H	Side counterweight 2	6	1315×1375×1100	1

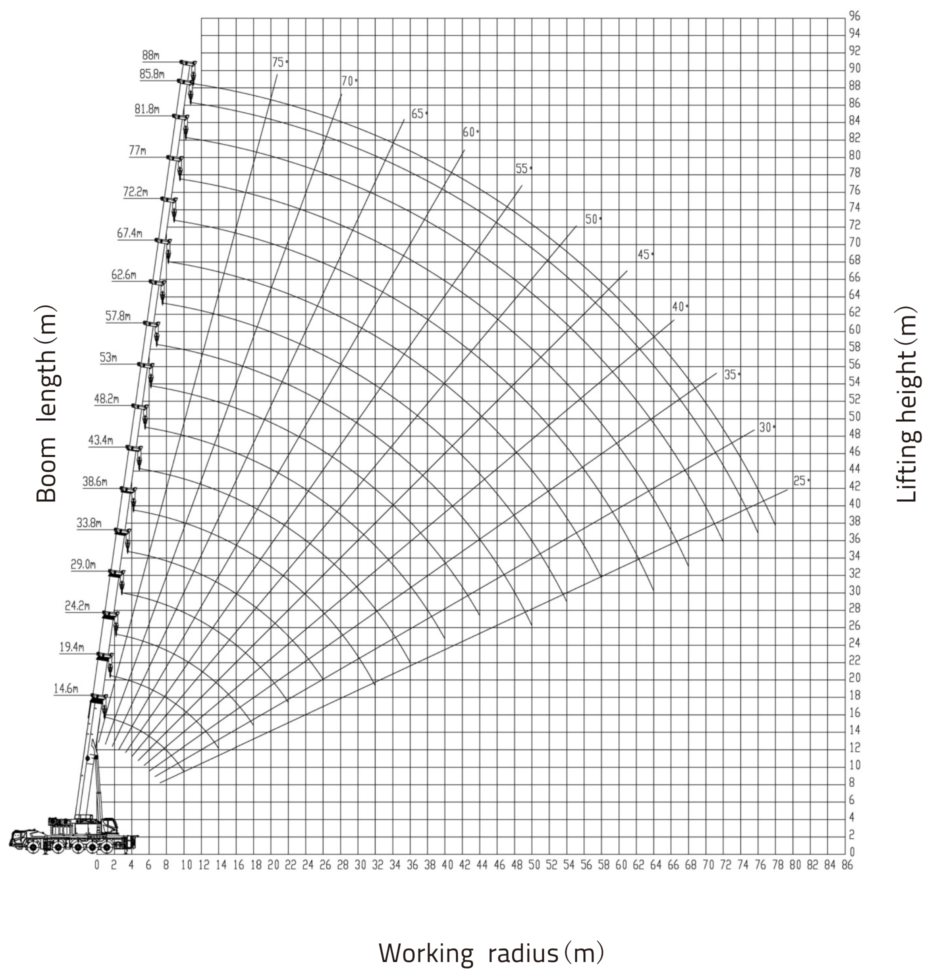
Combinations	A	B	C	D	E	F	G	H
0t	0	0	0	0	0	0	0	0
12t	1	0	0	0	0	0	0	0
22t	1	1	0	0	0	0	0	0
32t	1	1	1	0	0	0	0	0
42t	1	1	1	1	0	0	0	0
60t	1	1	1	1	1	1	0	0
72t	1	1	1	1	1	1	1	1

Note: Counterweight B is embedded inside counterweight A.



LIFTING HEIGHT CHARTS

Main boom OM: 14.6m - 88m



LIFTING CAPACITY TABLES

Unit: t

Outriggers completely extended 8.3 m, with 72 t counterweight, counterweight moved backwards for 0.5 m, over full range														
Working radius (m)	Boom length (m)													
	14.6★	19.4	19.4	19.4	19.4	19.4	19.4★	24.2	24.2	24.2	24.2	24.2	24.2	24.2★
2.5	250*													
3.0	220*	55	70	90	100	110	135*	30	58	80	85	100	110	130*
3.5	145*	53	68	90	100	110	135*	28.5	57	78	85	100	110	130*
4.0	136*	50	65	90	100	110	130*	26.8	55	75	85	100	110	130*
4.5	129*	48	62	85	100	110	128*	25.2	50	71	80	100	110	126
5.0	122	46	59	82	100	110	121	23.8	49	69	75	98	110	117
6.0	109	42	56	79	90	104	108	21.6	44	62	66	91	101	104
7.0	95	39	53	75	85	93	94	19.5	40	56	59	84	91	92
8.0	88	36	49	70	77	84	87	18	36.5	51	55	76	83	85
9.0	77	34	46	64	70	76	76	16.5	34	47	50	68	75	75
10.0	67	32	42	59	65	69	68	15.2	31	45	47	63	67	67
12.0		28.5	36	51	55	57	56	13.3	26.5	38	41	54	56	56
14.0		26	32	46	47	48	47	11.8	23.5	34	36.2	46.5	48	46.8
16.0								10.5	21	30.5	32	40.5	40	39
18.0								9.6	19	28	29	34	33.5	32.5
Reeving	14	14						14						
Hook	130t													
Telescoping mode Ⅰ	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Telescoping mode Ⅱ	1	1	1	1	1	1	2	1	1	1	1	1	2	2
Telescoping mode Ⅲ	1	1	1	1	1	2	1	1	1	1	1	2	2	1
Telescoping mode Ⅳ	1	1	1	1	2	1	1	1	1	1	2	2	1	1
Telescoping mode Ⅴ	1	1	1	2	1	1	1	1	1	2	2	1	1	1
Telescoping mode Ⅵ	1	1	2	1	1	1	1	1	2	2	1	1	1	1
Telescoping mode Ⅶ	1	2	1	1	1	1	1	3	2	1	1	1	1	1

Note:

1.The rated lifting capacity marked with the asterisk (*)adopts the other hook.

2.As for the OM of which the lifting capacity is more than 126t, the hook and the boom frame pulley should be modified. If necessary, contact the manufacturer in advance.

3.The telescoping modes marked with★are optimal ones.

Unit: t

Outriggers completely extended 8.3 m, with 72 t counterweight, counterweight moved backwards for 0.5 m, over full range														
Working radius (m)	Boom length (m)													
	29	29	29	29	29	29	29*	33.8	33.8	33.8	33.8	33.8	33.8	33.8*
3.0														
3.5	31	39	60	75	85	100	115							
4.0	29	37	58	73	85	100	115							
4.5	28	35	56	70	82	100	115							
5.0	26.6	33	54	67	79	97	110	27	31	38	57	72	90	95
6.0	24	29	50	60	73	89	97	24	27.5	35	53.5	65	85	90
7.0	22	26.3	45.5	54	66	80	91	21.8	25.5	32	49	60	80	85
8.0	20.4	24	42	49	60	73	82	20	23	29	45	55	74	79
9.0	19	22	39	45	56	67	75	18.3	21.1	26.8	41	50	69	72
10.0	17.5	20.2	36.5	40.5	52	62	67	16.5	19.5	24.6	37.5	47	64	64
12.0	15.5	17.5	32	35.8	45	53	55	14.5	17	21.3	32.5	40	55	56
14.0	13.7	15.2	28	31.5	40	46	47	12.9	15	18.3	29	36	47	47
16.0	12.5	13.6	25	28	36	39.5	39	11.3	13.2	16.3	25.5	33	40	39
18.0	11.4	12.2	23	25	32.5	34.5	33.5	10.2	12	14.8	23	29	34.5	34
20.0	10.5	11.1	21	23	30	29	28.1	9.3	10.8	13.3	21	26.5	30	29
22.0	9.6	10.2	19.5	21	25.5	25.3	23.9	8.4	9.9	12.1	19.2	24	24.7	24.7
24.0								7.8	9	11.2	17.5	22.3	22	21.3
26.0								7.2	8.3	10.4	15.3	21	19.5	18.4
Reeving	13							11						
Hook	130t							110t						
Telescoping mode Ⅰ	1	1	1	1	1	1	2	1	1	1	1	1	1	2
Telescoping mode Ⅱ	1	1	1	1	1	2	2	1	1	1	1	1	2	2
Telescoping mode Ⅲ	1	1	1	1	2	2	2	1	1	1	1	2	2	2
Telescoping mode Ⅳ	1	1	1	2	2	2	1	1	1	1	2	2	2	2
Telescoping mode Ⅴ	1	1	2	2	2	1	1	1	2	3	2	2	2	1
Telescoping mode Ⅵ	2	3	2	2	1	1	1	3	3	2	2	2	1	1
Telescoping mode Ⅶ	3	2	2	1	1	1	1	3	2	2	2	1	1	1

LIFTING CAPACITY TABLES

Unit: t

Outriggers completely extended 8.3 m, with 72 t counterweight, counterweight moved backwards for 0.5 m, over full range														
Working radius (m)	Boom length (m)													
	38.6	38.6	38.6	38.6	38.6	38.6	38.6*	43.4	43.4	43.4	43.4	43.4	43.4	43.4*
6.0	25	30	27	35	56	67	76							
7.0	23	27	25	32	53	62	75	24	22.5	26.2	32	39	57	64
8.0	21	25	22.5	29	49	62	72	22.2	20.6	24	29	36	53.8	64
9.0	19.2	23	20.5	26.5	45	57	68	20.6	19	22.3	27	33	50	62.1
10.0	17.9	22	19	24.5	42	54	63	19.3	17.5	20.6	25	30.5	47	58.3
12.0	16.6	19	16.5	21	37	47	56	17	15	18	21.2	26.5	41	51.9
14.0	15.5	17	14.3	18.6	32	42	46	15	13.1	15.8	18.7	23.5	36.7	46
16.0	13.6	15	12.6	16.5	29	37	40	13.4	11.6	14	16.5	20.7	33.2	39
18.0	12	13.5	11.2	14.5	26	34	34	12	10.4	12.6	15	18.7	30	34
20.0	10.9	12.2	10.1	13	24	30.5	30	11	9.2	11.4	13.2	16.8	27.5	30
22.0	9	11.2	9.1	12	22	27	26	10	8.3	10.5	12	15.4	25.3	27
24.0	8.2	10.1	8.4	11	20	23.5	22.5	9.3	7.6	9.6	11	14.1	23.4	23
26.0	7.5	9.5	7.7	9.8	19	20.5	19.5	8.6	6.9	8.8	10	12.6	21.5	20
28.0	7	8.7	7	9.2	17.5	18.5	17.2	8	6.3	8	9.2	11.8	18.5	17.4
30.0	6.5	8	6.5	8.5	16.5	16.5	15	7.5	5.8	7.4	8.5	11	16.9	15.3
32.0	6	7.5	6	7.7	15.5	14.5	12.6	7	5.3	6.9	7.9	10.2	15	13.6
34.0								6.5	4.9	6.4	7.2	9.4	13.6	12.1
36.0								6	4.5	5.8	6.6	8.8	12.3	10.8
Reeving	9							8						
Hook	110t							70t						
Telescoping mode Ⅰ	1	1	1	1	1	1	2	1	1	1	1	1	1	2
Telescoping mode Ⅱ	1	1	1	1	1	2	2	1	1	1	1	1	2	2
Telescoping mode Ⅲ	1	1	1	1	2	2	2	1	1	1	2	3	2	2
Telescoping mode Ⅳ	1	1	2	3	2	2	2	1	2	3	3	2	2	2
Telescoping mode Ⅴ	2	3	3	2	2	2	2	3	3	3	2	2	2	2
Telescoping mode Ⅵ	3	3	2	2	2	2	1	3	3	2	2	2	2	2
Telescoping mode Ⅶ	3	2	2	2	2	1	1	3	2	2	2	2	2	1

Unit: t

Outriggers completely extended 8.3 m, with 72 t counterweight, counterweight moved backwards for 0.5 m, over full range														
Working radius (m)	Boom length (m)													
	48.2	48.2	48.2	48.2	48.2	48.2	48.2*	53	53	53	53	53	53	53*
8.0	19	21.5	25	30	38	45	56							
9.0	17.5	20	23	28	36	42	52.5	18.5	21.2	24.5	29	36.5	41	43
10.0	16	18.5	22	26	33.5	39.5	49.5	17.5	20	23.1	27.8	34.2	39	42
12.0	14	16	19.2	23	29.5	35	44.3	15.2	17.5	20.5	24.5	30	34.5	37.4
14.0	12.1	14.2	17	20.3	26	31	40	13.4	15.5	18.3	22	27	31	33.5
16.0	10.8	12.6	15.2	18	23.2	27.6	36	12	13.9	16.5	19.8	24	28	30.2
18.0	9.6	11.2	13.7	16.2	21	25	33.2	10.8	12.5	14.6	18	21.5	25.2	27.2
20.0	8.6	10.2	12.2	14.7	19	22.5	30	9.8	11.4	13.2	16.3	19.5	23	24.5
22.0	7.8	9.3	11	13.4	17.5	20.5	27	8.9	10.4	12	15	17.7	21	22.2
24.0	7.1	8.5	10.2	12.2	16	18.6	23.5	8.1	9.5	11	13.6	16.2	19.2	20.1
26.0	6.5	7.7	9.2	11.3	14.8	17.2	20	7.4	8.8	10	12.7	14.5	17.8	18.3
28.0	6	7.1	8.5	10.4	13.6	15.9	18	6.8	8.1	9.2	11.6	13.5	16.3	16.8
30.0	5.4	6.6	7.8	9.6	12.6	14.7	16	6.3	7.5	8.5	10.7	12.5	15.1	15.4
32.0	5	6.1	7.2	8.8	11.8	13.5	14.3	5.8	6.9	7.8	10	11.6	14.1	14.2
34.0	4.7	5.6	6.6	8.2	11	12.6	12.8	5.4	6.4	7.3	9.3	10.6	13	12.8
36.0	4.3	5.2	6	7.7	10.3	11.6	11.6	5.1	5.9	6.8	8.8	9.8	11.7	11.4
38.0	4	4.9	5.6	7.2	9.6	10	10.3	4.7	5.5	6.2	8.2	9.1	10.5	10.3
40.0	3.6	4.6	5.2	6.6	9	9.5	9.2	4.4	5.1	5.8	7.8	8.5	9.5	9.2
42.0								4.1	4.7	5.3	7.3	8	8.6	8.3
44.0								3.8	4.4	5.1	6.9	7.3	7.6	7.4
Reeving	7							6						
Hook	70t													
Telescoping mode Ⅰ	1	1	1	1	1	1	2	1	1	1	1	1	2	3
Telescoping mode Ⅱ	1	1	1	1	2	3	2	1	1	1	2	3	3	2
Telescoping mode Ⅲ	1	1	2	3	3	2	2	1	2	3	3	3	2	2
Telescoping mode Ⅳ	2	3	3	3	2	2	2	3	3	3	3	2	2	2
Telescoping mode Ⅴ	3	3	3	2	2	2	2	3	3	3	2	2	2	2
Telescoping mode Ⅵ	3	3	2	2	2	2	2	3	3	2	2	2	2	2
Telescoping mode Ⅶ	3	2	2	2	2	2	2	3	2	2	2	2	2	2

LIFTING CAPACITY TABLES

Unit: t

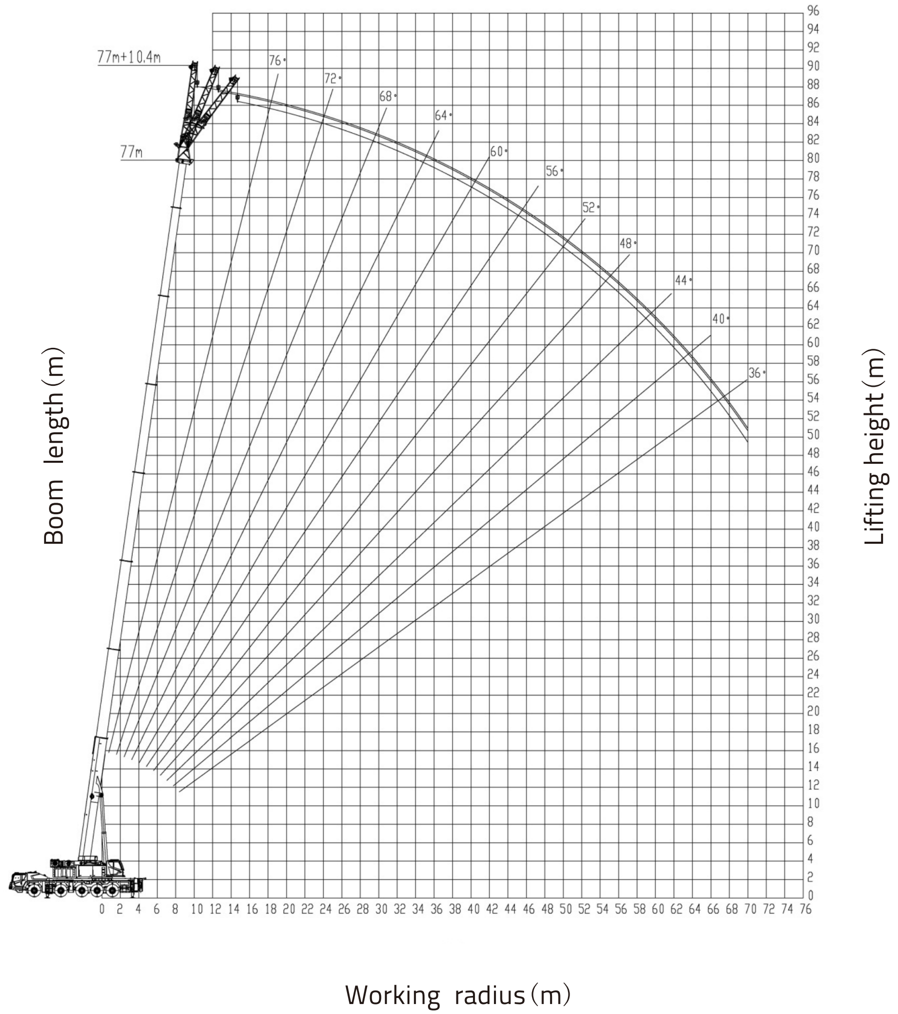
Working radius (m)	Outriggers completely extended 8.3 m, with 72 t counterweight, counterweight moved backwards for 0.5 m, over full range — Boom length (m)													
	57.8	57.8	57.8	57.8	57.8	57.8*				62.6	62.6	62.6	62.6	62.6*
10.0	18	20.5	23.5	28.5	32.5	35								
12.0	16	17.8	21	25.5	29	32				16.5	19.3	21	24	26
14.0	14.2	16	19.3	23	26.5	29.5				14.8	17.4	20	22.5	25.5
16.0	12.8	14.3	17.4	21	24	27				13.4	15.9	18	21	24.5
18.0	11.6	12.8	15.6	19	22	24.5				12.2	14.5	16.5	19.5	22.5
20.0	10.5	11.7	14.5	17	20.2	22				11.2	13.3	15	18	20.5
22.0	9.6	10.6	13.5	16	18	20.2				10.3	12.3	14.3	17.3	18.5
24.0	8.8	9.8	12.3	14.2	16.8	18.2				9.5	11.3	13.2	15.8	17
26.0	8.1	9	11.3	13.3	15.3	16				8.7	10.5	12.2	14.5	15.8
28.0	7.5	8.4	10.3	12	14.2	15				8.1	9.7	11.3	13.4	14.3
30.0	7	7.8	9.5	11.2	13.1	13.8				7.5	9.2	10.2	12.4	13.1
32.0	6.5	7.2	8.9	10.2	12.1	12.5				7	8.6	9.5	11.5	12.1
34.0	6	6.6	8.4	9.5	11.3	11.5				6.6	8	8.7	10.6	11
36.0	5.6	6.3	7.7	8.7	10.5	10.5				6.2	7.5	8.2	9.9	10.2
38.0	5.3	6	7.2	8.1	9.6	9.6				5.8	7	7.6	9.2	9.3
40.0	4.9	5.5	6.8	7.5	9.1	8.8				5.5	6.5	7.2	8.2	8.6
42.0	4.6	5.3	6.3	7	8.5	7.9				5.1	6.2	6.5	7.7	7.7
44.0	4.3	5	6	6.5	7.5	7				4.8	5.8	6	7.4	7.2
46.0	4	4.7	5.5	6	6.8	6.3				4.6	5.5	5.7	7	6.6
48.0	3.8	4.4	5.2	5.5	6	5.6				4.3	5.2	5.5	6.8	5.8
50.0	3.5	3.9	4.9	5.1	5.5	4.8				4	4.8	5	6.2	5.2
52.0										3.8	4.5	4.7	5.4	4.6
54.0										3.6	4.2	4.2	4.6	4
Reeving	5									4				
Hook	70t									25t				
Telescoping mode I	1	1	1	1	2	3				1	1	1	2	3
II	1	1	2	3	3	3				1	2	3	3	3
III	2	3	3	3	3	2				3	3	3	3	3
IV	3	3	3	3	2	2				3	3	3	3	2
V	3	3	3	2	2	2				3	3	3	2	2
VI	3	3	2	2	2	2				3	3	2	2	2
VII	3	2	2	2	2	2				3	2	2	2	2

Unit: t

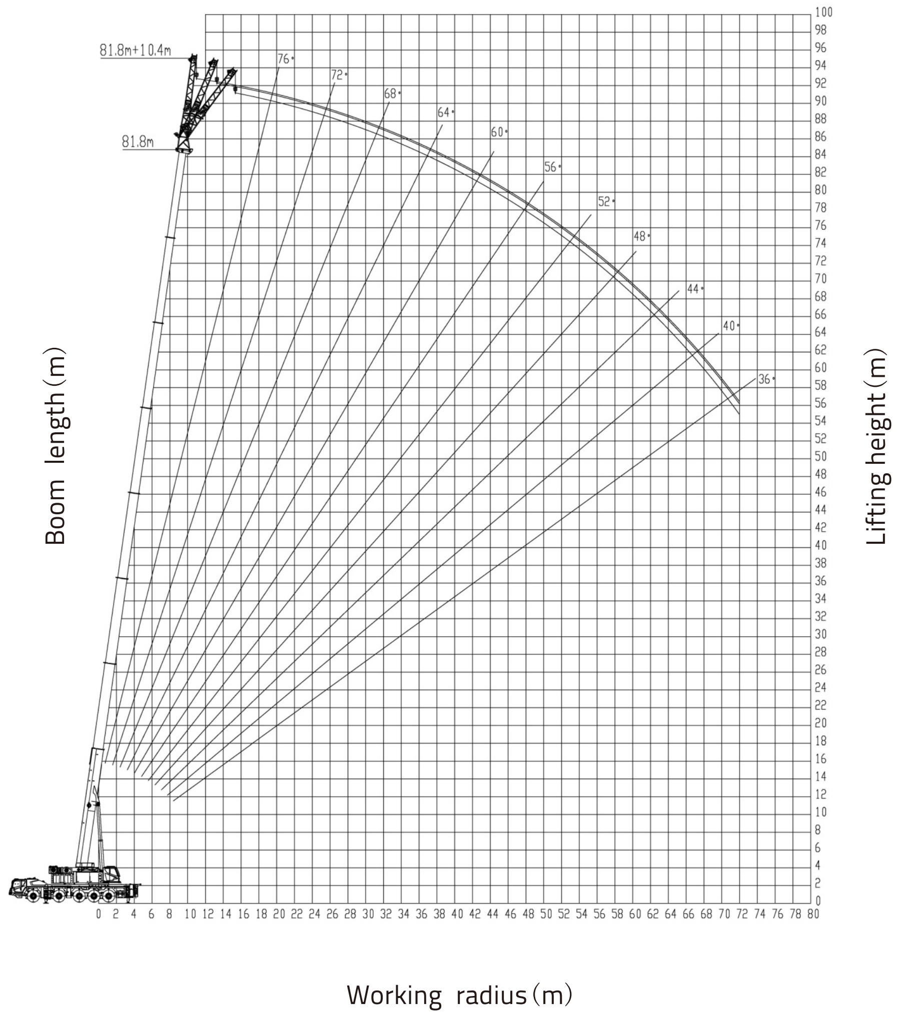
Working radius (m)	Outriggers completely extended 8.3 m, with 72 t counterweight, counterweight moved backwards for 0.5 m, over full range — Boom length (m)													
	67.4	67.4	67.4	67.4*		72.2	72.2	72.2*		77	77*	81.8*	85.8*	88*
14.0	15.5	17	19.5	20		14.5	15	15.5						
16.0	14.3	15.8	19.2	20		14	15	15.5		11.7	12.5			
18.0	13.1	14.5	18.1	20		13.5	15	15.5		11.7	12.5	9.5		
20.0	12.1	13.5	16.7	19.5		12.5	14.5	15.5		11.7	12.5	9.5	7.7	7.2
22.0	11.1	12.5	15.3	18.2		11.6	13.5	15.3		11.5	12.5	9.5	7.7	7.1
24.0	10.3	11.4	14.3	16		10.9	12.6	14		11	12.4	9.5	7.7	7
26.0	9.6	10.6	13.1	14.7		10.2	11.8	13		10.5	12.2	9.5	7.7	6.9
28.0	8.9	10	12.2	13.6		9.5	11	12		9.8	11.3	9.5	7.7	6.8
30.0	8.4	9.4	11.2	12.6		9	10.2	11		9.5	10.5	9.5	7.6	6.6
32.0	7.8	8.9	10.5	11.6		8.4	9.6	10.1		9	9.8	9	7.5	6.5
34.0	7.3	8.3	9.7	10.7		8	8.9	9.4		8.5	9.2	8.5	7.3	6.4
36.0	6.9	7.8	9	9.8		7.5	8.4	8.7		8	8.6	8	7	6.3
38.0	6.5	7.3	8.5	9		7.1	7.9	8		7.6	8	7.6	6.8	6.2
40.0	6.1	6.8	7.9	8.2		6.7	7.3	7.4		7.1	7.5	7.1	6.4	6.1
42.0	5.8	6.3	7.4	7.6		6.4	6.9	7.1		6.8	6.9	6.7	6.2	6
44.0	5.5	5.9	6.9	6.8		6	6.5	6.6		6.3	6.5	6.4	5.9	5.7
46.0	5.2	5.5	6.4	6.1		5.6	6	5.8		5.9	6	6.1	5.7	5.6
48.0	4.9	5.1	6	5.4		5.2	5.7	5.4		5.5	5.5	5.6	5.3	5.2
50.0	4.7	4.7	5.5	5		4.9	5.3	5.1		5.2	5.2	5.3	5.1	4.9
52.0	4.3	4.3	5.2	4.5		4.5	5	4.5		4.9	4.8	4.9	4.9	4.7
54.0	4	4	4.7	4		4.2	4.5	4		4.6	4.5	4.6	4.5	4.3
56.0	3.7	3.7	4.2	3.5		3.9	4.2	3.5		4.3	4.1	4.3	4.1	3.9
58.0	3.4	3.4	4	3		3.6	3.8	3.1		4	3.7	3.8	3.7	3.5
60.0						3.4	3.5	2.7		3.6	3.3	3.5	3.4	3.2
62.0						3.2	3.3	2.4		3.4	3	3.1	3.2	3
64.0						2.9	3	2.1		3.2	2.6	2.8	2.8	2.6
66.0										2.9	2.3	2.5	2.5	2.4
68.0										2.7	2	2.1	2.2	2.1
70.0												1.8	2	1.8
72.0												1.6	1.7	1.6
74.0													1.5	1.4
76.0													1.3	1.2
78.0														1
Reeving	4					3				3		3	2	2
Hook	25t													
Telescoping mode I	1	1	2	3		1	2	3		2	3	3	3	4
II	2	3	3	3		3	3	3		3	3	3	3	4
III	3	3	3	3		3	3	3		3	3	3	4	4
IV	3	3	3	3		3	3	3		3	3	3	4	4
V	3	3	3	2		3	3	3		3	3	3	4	4
VI	3	3	2	2		3	3	2		3	3	3	4	4
VII	3	2	2	2		3	2	2		3	2	3	4	4

LIFTING HEIGHT CHARTS

77 m main boom + 10.4 m jib OM

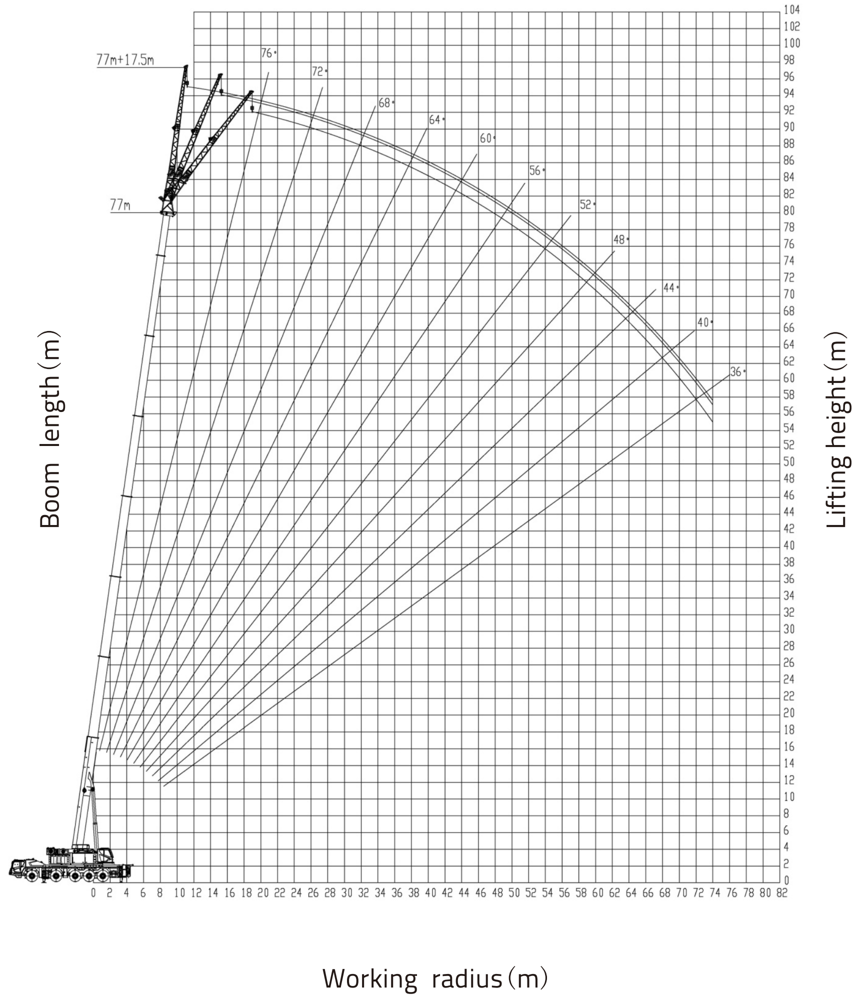


81.8 m main boom + 10.4 m jib OM

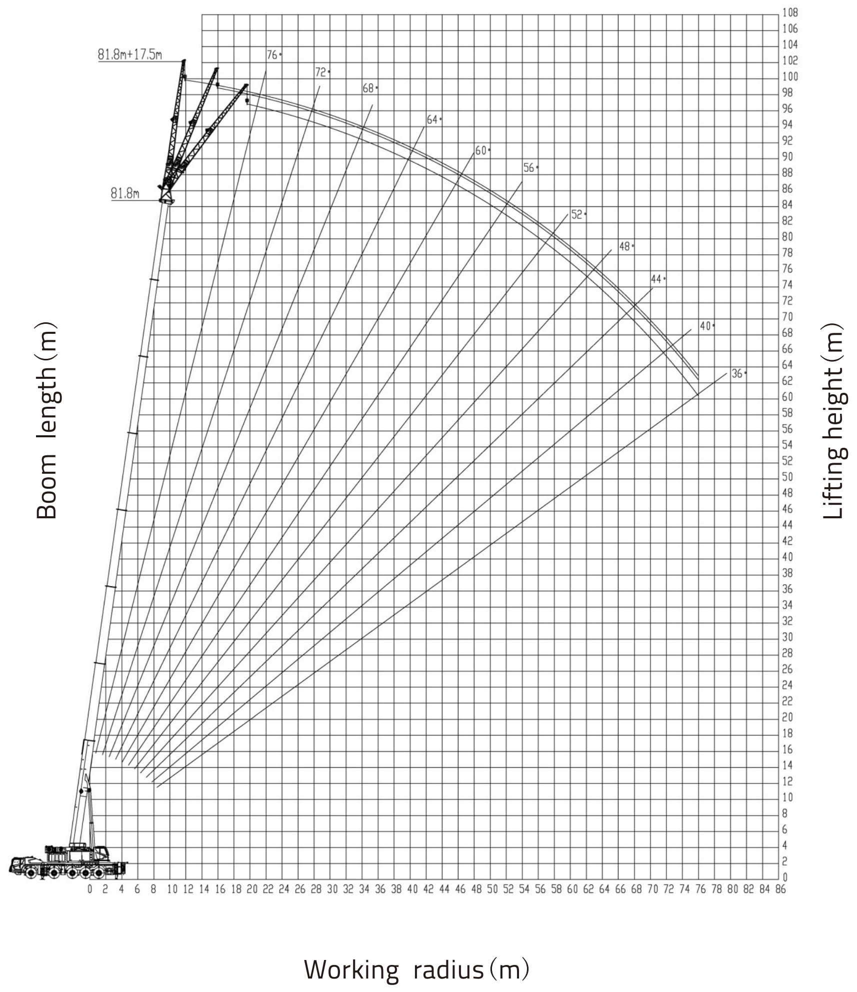


LIFTING HEIGHT CHARTS

77 m main boom + 17.5 m jib OM

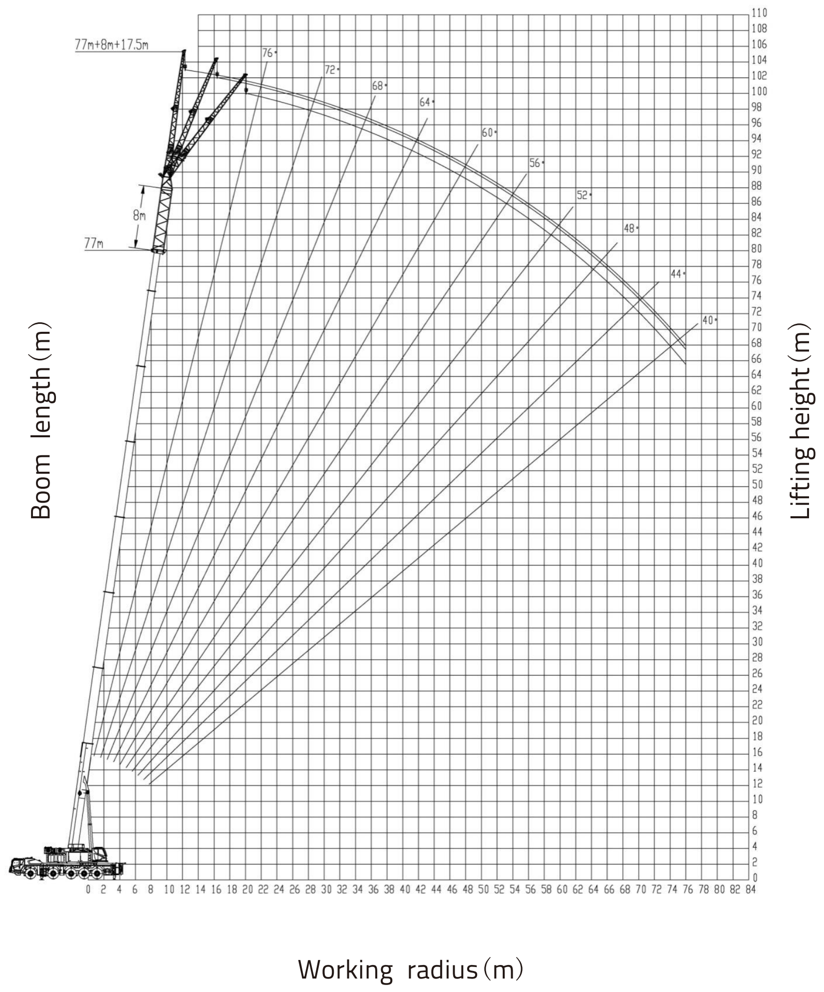


81.8 m main boom + 17.5 m jib OM

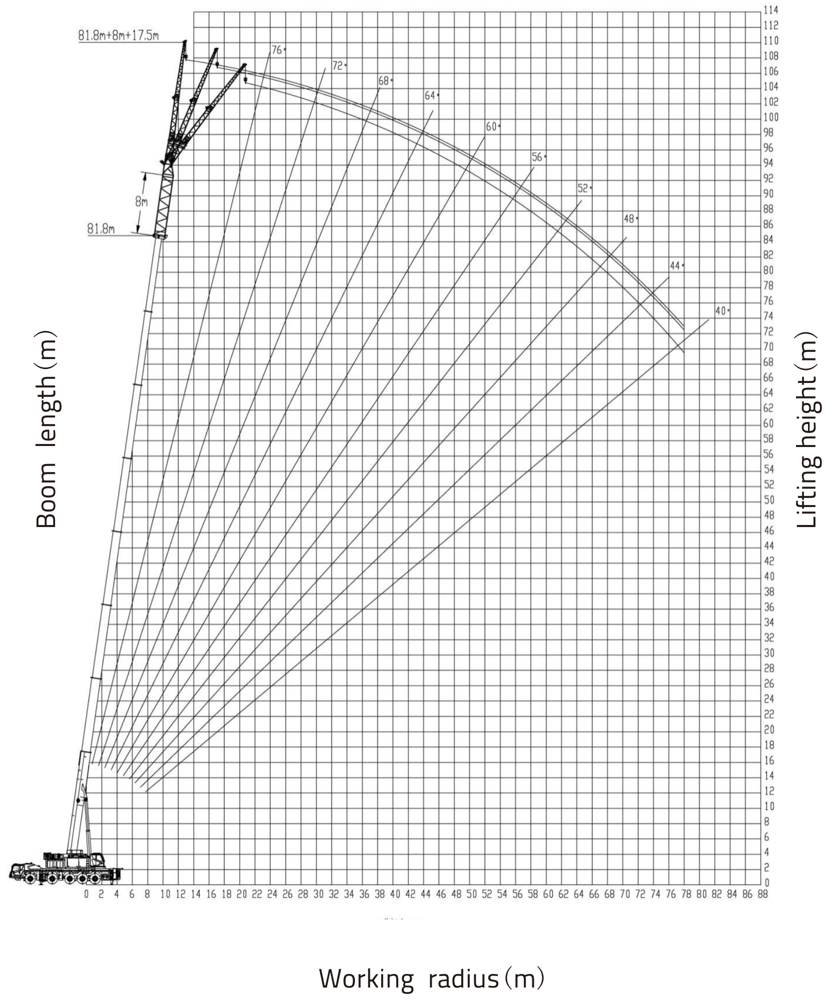


LIFTING HEIGHT CHARTS

77 m main boom + 25.5 m jib OM

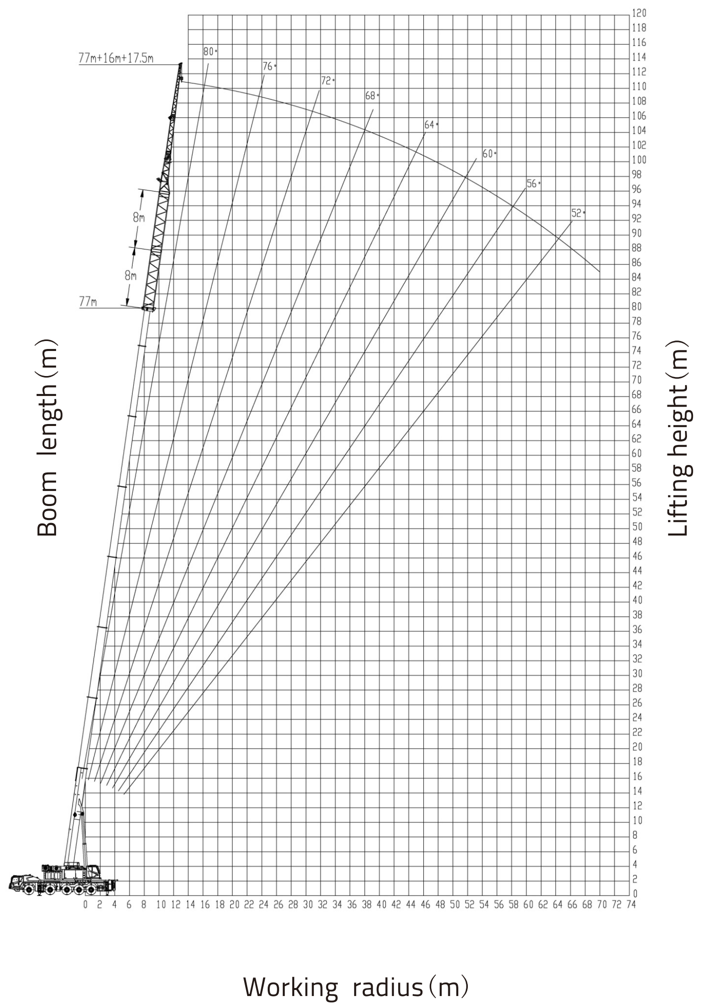


81.8 m main boom + 25.5 m jib OM

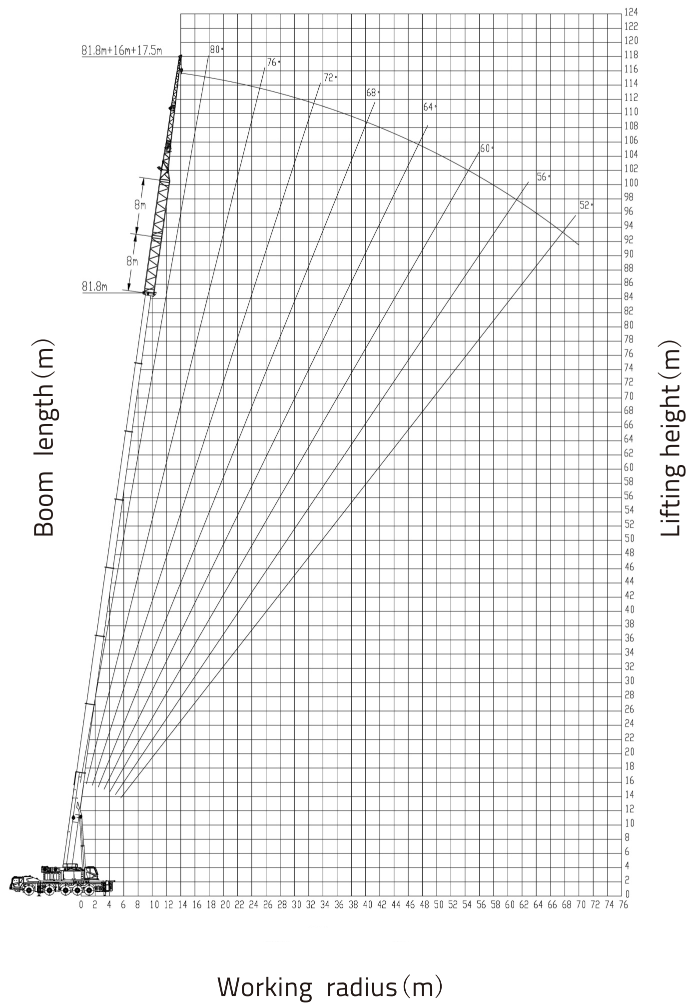


LIFTING HEIGHT CHARTS

77 m main boom + 33.5 m jib OM



81.8 m main boom + 33.5 m jib OM



LIFTING CAPACITY TABLES

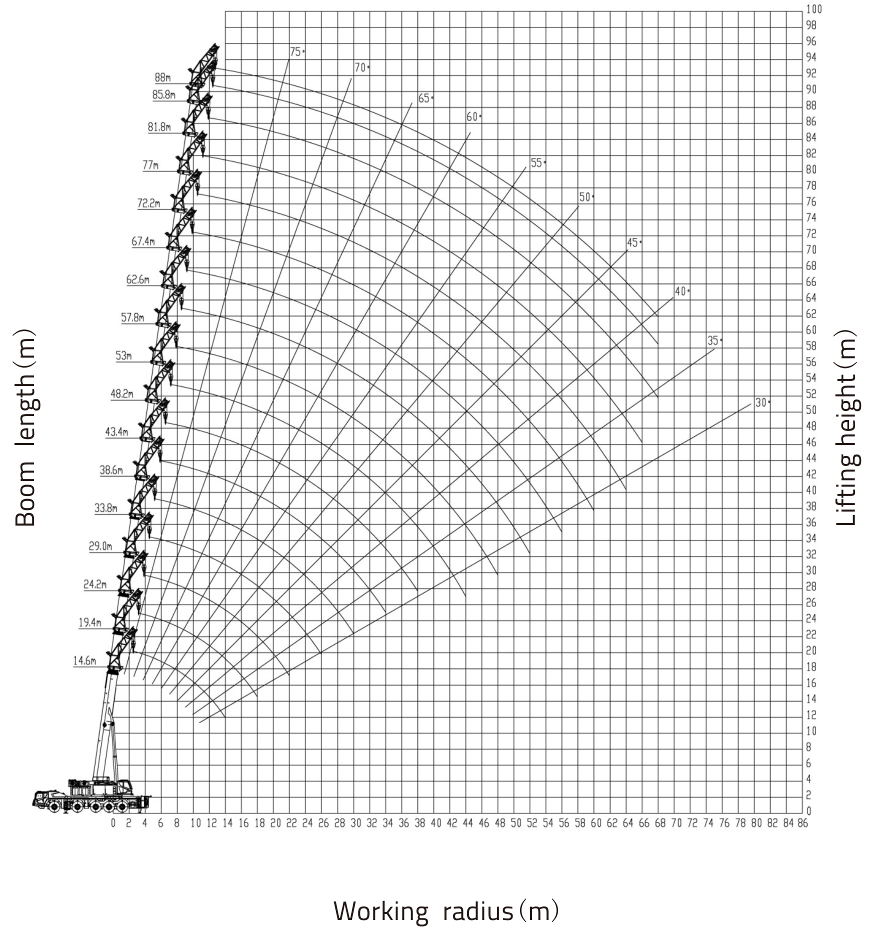
Unit: t

Outriggers completely extended 8.3 m, with 72 t counterweight, counterweight moved backwards for 0.5 m, over full range																				
Working radius (m)	Main boom (m) + Jib (m)																			
	77			81.8			77			81.8			77			81.8			77	81.8
	10.4			10.4			17.5			17.5			25.5			25.5			33.5	33.5
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	0°
22.0	7.2	6.8					4													
24.0	7.1	6.8	6.3	5.7			3.8	3		3.5										
26.0	7	6.8	6.3	5.5	5.6		3.7	3	2.7	3.4	2.9		2.6							
28.0	6.8	6.6	6.2	5.4	5.4	5.4	3.6	2.9	2.7	3.3	2.8	2.5	2.6	2.2						
30.0	6.7	6.4	6.1	5.3	5.2	5.3	3.5	2.9	2.5	3.2	2.7	2.5	2.5	2.2	2	2.1			1.5	
32.0	6.4	6.2	5.9	5.2	5.1	5.1	3.4	2.9	2.5	3	2.7	2.4	2.5	2.2	2	2.1	1.9		1.5	1.3
34.0	6.2	6	5.7	5	5	5	3.3	2.8	2.4	2.9	2.6	2.4	2.4	2.1	2	2.1	1.9	1.8	1.5	1.3
36.0	5.9	5.6	5.4	4.9	4.8	4.8	3.2	2.8	2.4	2.9	2.6	2.3	2.4	2.1	1.9	2.1	1.8	1.8	1.4	1.3
38.0	5.7	5.4	5.3	4.8	4.8	4.7	3.2	2.8	2.4	2.7	2.5	2.3	2.3	2.1	1.9	2.1	1.7	1.7	1.4	1.3
40.0	5.5	5.2	5.2	4.6	4.6	4.6	3	2.6	2.4	2.7	2.5	2.2	2.3	2	1.9	2.1	1.7	1.6	1.4	1.3
42.0	5.2	5.1	5	4.5	4.4	4.4	2.9	2.6	2.4	2.6	2.4	2.2	2.3	2	1.8	2	1.7	1.6	1.3	1.3
44.0	4.7	4.9	4.9	4.4	4.3	4.2	2.8	2.6	2.3	2.6	2.4	2.2	2.3	2	1.8	2	1.7	1.6	1.3	1.3
46.0	4.6	4.6	4.7	4.2	4.1	4.1	2.8	2.6	2.3	2.5	2.3	2.2	2.2	1.9	1.8	2	1.7	1.6	1.3	1.3
48.0	4.2	4.4	4.3	4	4	4	2.7	2.5	2.3	2.5	2.3	2.1	2.2	1.9	1.7	2	1.7	1.6	1.3	1.2
50.0	4.1	4.1	4.1	3.9	3.8	3.9	2.7	2.5	2.3	2.4	2.2	2.1	2.2	1.9	1.7	2	1.6	1.5	1.3	1.2
52.0	3.8	3.8	3.9	3.7	3.6	3.7	2.6	2.5	2.2	2.4	2.2	2.1	2.2	1.8	1.7	1.9	1.6	1.5	1.2	1.2
54.0	3.5	3.5	3.6	3.4	3.4	3.4	2.6	2.4	2.2	2.3	2.2	2.1	2.2	1.8	1.6	1.9	1.6	1.5	1.2	1.2
56.0	3.2	3.2	3.2	3.1	3.1	3.1	2.6	2.3	2.2	2.3	2.2	2	2.1	1.8	1.6	1.9	1.6	1.5	1.2	1.2
58.0	2.8	2.9	2.9	2.8	2.8	2.8	2.5	2.3	2.1	2.3	2.1	2	2.1	1.8	1.6	1.9	1.6	1.5	1.2	1.2
60.0	2.5	2.6	2.5	2.6	2.6	2.6	2.4	2.2	2.1	2.2	2.1	2	2	1.8	1.6	1.8	1.6	1.5	1.1	1.2
62.0	2.2	2.3	2.3	2.4	2.4	2.4	2.3	2.2	2.1	2.2	2.1	2	2	1.8	1.6	1.8	1.6	1.5	1.1	1.2
64.0	2	2.1	2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.9	1.9	1.8	1.6	1.7	1.5	1.4	1.1	1.1
66.0	1.8	1.8	1.8	1.9	1.9	1.9	2	2	1.9	2.1	2	1.9	1.8	1.8	1.5	1.6	1.5	1.4	1.1	1.1
68.0	1.5	1.6	1.5	1.7	1.8	1.7	1.8	1.8	1.8	1.8	2	1.9	1.7	1.7	1.5	1.5	1.4	1.4	1.1	1.1
70.0	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.6	1.7	1.7	1.8	1.8	1.6	1.5	1.5	1.4	1.4	1.4	1.1	1.1
72.0				1.2	1.2	1.2	1.3	1.4	1.4	1.5	1.6	1.6	1.4	1.4	1.4	1.2	1.2	1.2		
74.0							1.2	1.2	1.2	1.2	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.1		
76.0										1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1		
78.0																1.1	1.1	1.1		
80.0																				
82.0																				
84.0																				
86.0																				
88.0																				
Reeving	1																			
Hook	9t																			

Note:
Telescoping combination of 77 m boom length: 3333332
Telescoping combination of 81.8 m boom length: 3333333
10.4 m jib: Adaptor I + adaptor II + jib section I
17.5 m jib: Adaptor I + adaptor II + jib section I + jib section II
25.5 m jib: 8 m Extension + adaptor I + adaptor II + jib section I + jib section II
33.5 m jib: 8 m Extension + 8 m extension + adaptor I + adaptor II + jib section I + jib section II

LIFTING HEIGHT CHARTS

Main boom + tip boom OM



LIFTING CAPACITY TABLES

Unit: t

Outriggers completely extended 8.3 m, with 72 t counterweight, over full range															
Working radius (m)	Main boom (m) + 4.9m Tip boom														
	14.6*	19.4	19.4	19.4	19.4	19.4	19.4*	24.2	24.2	24.2	24.2	24.2	24.2	24.2*
3.0														
3.5	24.0													
4.0	23.9	22.5	23.0	23.0	23.0	23.0	23.0							
4.5	23.8	22.3	22.6	22.6	22.6	22.6	22.6							
5.0	23.7	22.1	22.4	22.4	22.4	22.4	22.4	21.5	22	22.3	23	23	23.5	23.5
6.0	22.6	21.8	22.0	22.0	22.0	22.0	22.0	21.5	21.8	22	22.6	22.6	23	23.0
7.0	21.8	21.5	21.7	21.7	21.7	21.7	21.7	21.3	21.5	21.7	22.3	22.3	22.5	22.5
8.0	21.2	20.8	21.0	21.0	21.0	21.0	21.0	20.6	21.3	21.5	21.8	21.8	22	22.0
9.0	20.7	20.3	20.5	20.5	20.5	20.5	20.5	20	20.8	21	21.3	21.3	21.5	21.6
10.0	19.9	20.0	20.3	20.3	20.3	20.3	20.3	19.1	20.4	20.5	20.8	20.8	21.1	21.3
12.0	18.2	19.2	19.3	19.3	19.3	19.3	19.3	17.8	19.1	19.5	19.8	19.8	20.5	20.6
14.0	17.1	18.1	18.4	18.4	18.4	18.4	18.4	16.8	17.2	18.6	19	19	19.5	19.8
16.0		17.6	17.9	17.9	17.9	17.9	17.9	15.9	15.3	18	18.2	18.2	18.7	19.0
18.0		16.6	16.7	16.7	16.7	16.7	17.5	15.2	14	17.7	17.7	17.7	18.1	18.3
20.0								14.5	12.6	17.2	17.5	17.5	17.8	17.9
22.0								14	11.5	15.5	17.1	17.1	17.5	17.7
Reeving	3	3						3						
Hook	25t													
Telescoping mode Ⅰ	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Telescoping mode Ⅱ	1	1	1	1	1	1	2	1	1	1	1	1	2	2
Telescoping mode Ⅲ	1	1	1	1	1	2	1	1	1	1	1	2	2	1
Telescoping mode Ⅳ	1	1	1	1	2	1	1	1	1	1	2	2	1	1
Telescoping mode Ⅴ	1	1	1	2	1	1	1	1	1	2	2	1	1	1
Telescoping mode Ⅵ	1	1	2	1	1	1	1	1	2	2	1	1	1	1
Telescoping mode Ⅶ	1	2	1	1	1	1	1	3	2	1	1	1	1	1

Unit: t

Outriggers completely extended 8.3 m, with 72 t counterweight, over full range														
Working radius (m)	Main boom (m) + 4.9m Tip boom													
	29	29	29	29	29	29	29*	33.8	33.8	33.8	33.8	33.8	33.8	33.8*
6.0	18.2	19.5	21.8	22.1	22.3	22.8	23.0							
7.0	17.5	18	21.7	22	22	22.3	22.5	16	17.5	21.5	21.8	22	22.3	22.5
8.0	16	16.7	21.5	21.8	21.8	21.9	22.0	14.5	16.5	21.4	21.7	21.8	22	22.2
9.0	14.8	15.2	21	21.5	21.5	21.7	21.8	13.5	15.3	19.8	21.5	21.7	21.8	22.0
10.0	13.7	14	20.8	21.3	21.3	21.5	21.6	12.4	14	18.3	21.2	21.4	21.5	21.6
12.0	12.8	12	20	20.6	20.6	20.9	21.0	10.9	12.3	16	20.6	20.8	20.9	21.0
14.0	10.5	10.8	19.2	19.7	19.7	20.1	20.2	9.6	10.8	14	19.6	20.1	20.4	20.5
16.0	9.6	9.5	17.4	18.8	18.8	19.7	19.8	8.5	9.6	12.5	18.8	19.3	19.8	20.0
18.0	8.6	8.5	15.8	18.3	18.3	18.9	19.0	7.8	8.6	11	17.4	18.7	19.3	19.5
20.0	7.8	7.8	14.5	17.7	17.9	18.2	18.4	7	7.8	10.2	15.9	18	18.8	19.2
22.0	7.2	7	13.4	17.1	17.3	17.8	17.9	6.3	7.1	9.3	14.8	17.7	18.3	18.6
24.0	6.6	6.5	12.4	16	17.1	17	16.8	5.8	6.6	8.5	13.8	17.3	17.8	18.2
26.0	6.1	6	11.5	14.5	16.9	16.5	16.2	5.3	6	7.7	12.7	16.7	17.2	17.0
28.0								4.9	5.5	7.2	11.8	15.4	16	14.7
30.0								4.5	5.2	6.7	11.2	14.5	14	12.8
Reeving	3							3						
Hook	25t													
Telescoping mode Ⅰ	1	1	1	1	1	1	2	1	1	1	1	1	1	2
Telescoping mode Ⅱ	1	1	1	1	1	2	2	1	1	1	1	1	2	2
Telescoping mode Ⅲ	1	1	1	1	2	2	2	1	1	1	1	2	2	2
Telescoping mode Ⅳ	1	1	1	2	2	2	1	1	1	1	2	2	2	2
Telescoping mode Ⅴ	1	1	2	2	2	1	1	1	2	3	2	2	2	1
Telescoping mode Ⅵ	2	3	2	2	1	1	1	3	3	2	2	2	1	1
Telescoping mode Ⅶ	3	2	2	1	1	1	1	3	2	2	2	1	1	1

LIFTING CAPACITY TABLES

Unit: t

Outriggers completely extended 8.3 m, with 72 t counterweight, over full range														
Working radius (m)	Main boom (m) + 4.9m Tip boom													
	38.6	38.6	38.6	38.6	38.6	38.6	38.6*	43.4	43.4	43.4	43.4	43.4	43.4	43.4*
8.0	15.0	16.8	17.3	21.3	21.5	22.0	22.0							
9.0	13.7	15.8	16.0	20.5	21.0	21.5	21.5	14.2	14.8	16.6	20.8	20.9	21.6	21.6
10.0	12.7	14.7	14.8	19.0	20.7	21.2	21.2	13.5	13.7	15.5	19.7	20.6	21.2	21.2
12.0	12.0	13.8	13.7	17.7	20.0	20.9	20.9	11.8	11.9	13.7	17.1	19.8	20.5	20.8
14.0	11.3	13.0	12.8	16.5	19.8	20.4	20.4	10.5	10.5	12	15.1	18.9	19.8	20.3
16.0	9.9	11.5	11.2	14.5	19.0	20.0	20.0	9.4	9.3	10.8	13.4	16.9	19.2	19.9
18.0	8.8	10.4	10.0	13.0	18.4	19.4	19.6	8.5	8.2	9.7	12	15.2	18.8	19.6
20.0	7.9	9.4	9.0	11.6	17.1	18.9	19.3	7.8	7.4	8.8	10.8	13.7	18	19.3
22.0	7.2	8.6	8.1	10.4	15.8	18.4	19.1	7.1	6.7	8.1	9.9	12.5	17.2	19.0
24.0	6.5	7.8	7.3	9.5	14.8	18.0	18.6	6.5	6.1	7.3	9	11.4	16.2	18.6
26.0	5.9	7.2	6.7	8.6	14.0	17.6	17.8	6	5.5	6.7	8.2	10.4	15.3	17.7
28.0	5.4	6.7	6.1	7.9	13.0	16.8	15.5	5.5	5.1	6.3	7.5	9.6	14.5	16.2
30.0	5.0	6.2	5.6	7.3	12.2	15.0	13.6	5.1	4.7	5.7	6.9	8.9	13.6	14.3
32.0	4.6	5.8	5.1	6.8	11.7	13.3	11.9	4.8	4.3	5.4	6.4	8.1	13	12.7
34.0	4.3	5.4	4.8	6.2	11.0	11.8	10.4	4.5	3.9	4.9	5.9	7.6	12.4	11.2
36.0								4.2	3.6	4.7	5.5	7.1	11.4	9.9
38.0								3.9	3.3	4.3	5.1	6.6	10.3	8.9
Reeving	3							3						
Hook	25t													
Telescoping mode Ⅰ	1	1	1	1	1	1	2	1	1	1	1	1	1	2
Telescoping mode Ⅱ	1	1	1	1	1	2	2	1	1	1	1	1	2	2
Telescoping mode Ⅲ	1	1	1	1	2	2	2	1	1	1	2	3	2	2
Telescoping mode Ⅳ	1	1	2	3	2	2	2	1	2	3	3	2	2	2
Telescoping mode Ⅴ	2	3	3	2	2	2	2	3	3	3	2	2	2	2
Telescoping mode Ⅵ	3	3	2	2	2	2	1	3	3	2	2	2	2	2
Telescoping mode Ⅶ	3	2	2	2	2	1	1	3	2	2	2	2	2	1

Unit: t

Outriggers completely extended 8.3 m, with 72 t counterweight, over full range														
Working radius (m)	Main boom (m) + 4.9m Tip boom													
	48.2	48.2	48.2	48.2	48.2	48.2	48.2*	53	53	53	53	53	53	53*
12.0	11.4	12.6	14.3	17.8	19	19.5	19.8	11.9	13.1	14.8	19.1	19.7	19.7	19.7
14.0	10.1	11.2	12.8	15.8	19	19.2	19.5	10.5	11.7	13.3	17.2	19.2	19.3	19.3
16.0	8.9	10	11.5	14.3	17.5	18	19.1	9.5	10.6	12.1	15.5	17.1	18.6	18.6
18.0	7.9	9	10.4	12.9	15.7	16.2	18.7	8.5	9.5	11	14.1	15.3	17.6	17.8
20.0	7.1	8.1	9.5	11.7	14.2	15.4	18.0	7.7	8.7	10.1	12.9	13.8	16	17.3
22.0	6.5	7.4	8.7	10.7	12.8	13.2	17.6	7	7.9	9.3	11.9	12.4	14.6	16.8
24.0	5.9	6.8	8	9.8	11.7	12	17.1	6.4	7.3	8.6	10.9	11.3	13.3	16.2
26.0	5.3	6.2	7.4	9.1	10.7	10.9	16.7	5.9	6.8	8	10.1	10.3	12.2	15.1
28.0	4.9	5.7	6.8	8.3	9.9	10	16.2	5.4	6.2	7.5	9.3	9.4	11.3	14.0
30.0	4.5	5.2	6.4	7.7	9.1	9.2	15.1	5	5.8	6.9	8.6	8.6	10.4	13.0
32.0	4.1	4.9	5.9	7.2	8.3	8.5	13.4	4.6	5.3	6.5	7.8	7.8	9.6	12.1
34.0	3.8	4.5	5.4	6.7	7.7	7.8	11.9	4.2	5	6.1	7.2	7.2	9	11.2
36.0	3.5	4.1	5	6.2	7.1	7.3	10.7	4	4.6	5.7	6.7	6.6	8.4	10.2
38.0	3.2	3.9	4.6	5.8	6.5	6.6	9.6	3.6	4.3	5.2	6.1	6	7.7	9.2
40.0	3	3.6	4.3	5.4	6.1	6.2	8.5	3.3	4.1	4.9	5.7	5.6	7.2	8.1
42.0	2.7	3.3	4	5	5.6	5.8	7.7	3.2	3.8	4.6	5.2	5.1	6.8	7.2
44.0	2.5	3.1	3.7	4.8	5.3	5.3	6.8	2.9	3.5	4.2	4.9	4.7	6.3	6.4
46.0								2.7	3.2	4	4.5	4.3	5.9	5.7
48.0								2.5	3	3.7	4.1	4	5.5	4.9
Reeving	3							3						
Hook	25t													
Telescoping mode Ⅰ	1	1	1	1	1	1	2	1	1	1	1	1	2	3
Telescoping mode Ⅱ	1	1	1	1	2	3	2	1	1	1	2	3	3	2
Telescoping mode Ⅲ	1	1	2	3	3	2	2	1	2	3	3	3	2	2
Telescoping mode Ⅳ	2	3	3	3	2	2	2	3	3	3	3	2	2	2
Telescoping mode Ⅴ	3	3	3	2	2	2	2	3	3	3	2	2	2	2
Telescoping mode Ⅵ	3	3	2	2	2	2	2	3	3	2	2	2	2	2
Telescoping mode Ⅶ	3	2	2	2	2	2	2	3	2	2	2	2	2	2

LIFTING CAPACITY TABLES

Unit: t

Outriggers completely extended 8.3 m, with 72 t counterweight, over full range											
Working radius (m)	Main boom (m) + 4.9m Tip boom										
	57.8	57.8	57.8	57.8	57.8	57.8*	62.6	62.6	62.6	62.6	62.6*
14.0	10.8	12.2	14.1	18	18	18.2					
16.0	9.9	11	12.9	16.5	17.5	17.5	10	11.5	13	16	16.3
18.0	9	10	11.8	14.8	16.6	16.9	9.3	10.7	12.5	15.5	15.8
20.0	8.2	9.2	10.9	13.2	14.9	16.2	8.6	9.8	11.6	14	15.0
22.0	7.5	8.5	10.1	12	13.7	15.0	7.8	9.1	10.8	13	13.9
24.0	6.8	7.7	9.4	10.8	12.5	14.0	7.2	8.5	10.1	11.8	13.0
26.0	6.3	7.2	8.7	9.8	11.4	13.1	6.7	7.8	9.5	10.9	12.1
28.0	5.9	6.7	8.2	9	10.4	12.2	6.2	7.3	8.8	10	11.3
30.0	5.4	6.2	7.7	8.2	9.6	11.5	5.8	6.8	8	9.2	10.6
32.0	5	5.8	7.2	7.5	8.9	10.7	5.4	6.4	7.4	8.5	9.9
34.0	4.7	5.4	6.8	6.8	8.2	10.1	5	6	6.8	7.7	9.2
36.0	4.3	5	6.4	6.3	7.6	9.4	4.7	5.7	6.1	7.2	8.7
38.0	4.1	4.8	5.9	5.8	7	8.7	4.4	5.3	5.7	6.7	7.9
40.0	3.8	4.4	5.5	5.2	6.5	8.0	4.1	5	5.1	6.1	7.3
42.0	3.5	4.1	5	4.9	6	7.2	3.9	4.7	4.8	5.7	6.6
44.0	3.3	4	4.7	4.4	5.6	6.5	3.7	4.4	4.3	5.2	6.1
46.0	3.1	3.7	4.3	4.1	5.1	5.7	3.4	4.2	4	4.8	5.5
48.0	2.9	3.4	4	3.7	4.8	5.0	3.2	4	3.6	4.4	4.9
50.0	2.7	3.2	3.7	3.3	4.4	4.3	3.1	3.7	3.3	4.1	4.3
52.0	2.5	3	3.3	3.1	4.1	3.7	2.9	3.4	3	3.8	3.7
54.0							2.7	3.1	2.7	3.4	3.1
56.0							2.5	2.9	2.4	3.2	2.7
Reeving	3						2				
Hook	25t						25t				
Telescoping mode Ⅰ	1	1	1	1	2	3	1	1	1	2	3
Telescoping mode Ⅱ	1	1	2	3	3	3	1	2	3	3	3
Telescoping mode Ⅲ	2	3	3	3	3	2	3	3	3	3	3
Telescoping mode Ⅳ	3	3	3	3	2	2	3	3	3	3	2
Telescoping mode Ⅴ	3	3	3	2	2	2	3	3	3	2	2
Telescoping mode Ⅵ	3	3	2	2	2	2	3	3	2	2	2
Telescoping mode Ⅶ	3	2	2	2	2	2	3	2	2	2	2

Unit: t

Outriggers completely extended 8.3 m, with 72 t counterweight, counterweight moved backwards for 0.5 m, over full range												
Working radius (m)	Boom length (m)											
	67.4	67.4	67.4	67.4*	72.2	72.2	72.2*	77	77*	81.8*	85.8*	88*
18.0	9.6	10.6	11	11.4	9.8	10.3	11.1					
20.0	9.1	10.2	10.8	11.1	9.3	10	10.7	8.2	8.8	7.5		
22.0	8.4	9.5	10.6	10.8	8.8	9.8	10.2	8	8.6	7.4		
24.0	7.8	9	10.1	10.4	8.2	9.3	9.8	7.6	8.2	7.2	5.6	5.6
26.0	7.3	8.5	10	10.2	7.6	9	9.4	7.2	8.0	7.0	5.4	5.4
28.0	6.8	7.9	9.5	9.9	7.2	8.5	9.0	6.8	7.6	6.9	5.3	5.3
30.0	6.3	7.5	8.9	9.6	6.7	7.9	8.6	6.6	7.4	6.8	5.2	5.2
32.0	5.9	7	8.2	9.1	6.3	7.5	8.3	6.3	7.1	6.5	5.0	5.0
34.0	5.6	6.6	7.6	8.5	6	7.1	7.9	6	6.8	6.3	4.9	4.9
36.0	5.2	6.1	7	8.0	5.7	6.7	7.5	6	6.5	6.0	4.7	4.7
38.0	4.9	5.7	6.5	7.4	5.4	6.3	7.0	5.8	6.4	5.8	4.5	4.5
40.0	4.6	5.2	5.9	6.9	5	5.9	6.6	5.5	6.0	5.4	4.4	4.4
42.0	4.3	4.8	5.5	6.4	4.8	5.4	6.2	5.2	5.7	5.3	4.2	4.2
44.0	4.1	4.4	5	5.8	4.5	5	5.7	5	5.4	5.1	4.0	4.0
46.0	3.9	4.1	4.7	5.3	4.1	4.7	5.2	4.6	5.0	4.9	3.8	3.8
48.0	3.7	3.7	4.3	4.8	3.8	4.3	4.9	4.2	4.7	4.7	3.7	3.7
50.0	3.4	3.3	4	4.4	3.5	4	4.4	3.9	4.5	4.3	3.6	3.6
52.0	3.2	3.1	3.7	4.0	3.2	3.7	3.9	3.6	4.1	4.0	3.5	3.5
54.0	3.1	2.8	3.3	3.4	3	3.4	3.6	3.3	3.6	3.7	3.4	3.4
56.0	2.9	2.5	3.1	3.0	2.7	3.1	3.1	3	3.2	3.4	3.2	3.2
58.0	2.7	2.3	2.8	2.5	2.4	2.8	2.8	2.8	2.9	3.0	2.9	2.9
60.0	2.5	2	2.5	2.1	2.2	2.6	2.4	2.5	2.6	2.7	2.6	2.6
62.0					2	2.3	2.0	2.3	2.3	2.3	2.3	2.3
64.0					1.8	2.1	1.6	2	2.0	2.0	1.9	1.9
66.0								1.7	1.7	1.8	1.6	1.6
68.0										1.5	1.3	1.3
Reeving	2				2			2		2	2	2
Hook	25t											
Telescoping mode Ⅰ	1	1	2	3	1	2	3	2	3	3	3	4
Telescoping mode Ⅱ	2	3	3	3	3	3	3	3	3	3	3	4
Telescoping mode Ⅲ	3	3	3	3	3	3	3	3	3	3	4	4
Telescoping mode Ⅳ	3	3	3	3	3	3	3	3	3	3	4	4
Telescoping mode Ⅴ	3	3	3	2	3	3	3	3	3	3	4	4
Telescoping mode Ⅵ	3	3	2	2	3	3	2	3	3	3	4	4
Telescoping mode Ⅶ	3	2	2	2	3	2	2	3	2	3	4	4

TECHNICAL SPECIFICATIONS

Crane Superstructure

Main boom	8 boom sections made of 1100MPa high-tensile steel, optimal oviform boom profile, main boom length: 14.6 m - 88 m.
Jib	10.4 m, 17.5 m, 25.5 m (One section of 8 m jib extension is available for options.), 33.5 m (Two sections of 8 m jib extension are available for options.). The adaptor of the jib can be used as the tip boom independently.
Telescoping system	The telescopic boom is telescoped by the single-stage telescoping cylinder with hydraulic interlocking device. The rapid-cycle telescoping system with ‘automatic mode”.
Luffing gear	One hydraulic cylinder, providing the boom with smooth luffing movements from -0.5° to 82°.
Slewing table	Box-type, torsion resistant design of high-tensile steel, providing super load bearing capacity.
Hook	130t, 110t, 70t (ramshorn hook), 70t (single hook), 25t, 9t.
Slewing gear	Two slewing gears, consisting of hydraulic motor and planetary reducer. Slewing speed: 0-1.5 rpm.
Hoist gear	Main winch and auxiliary winch can either operate separately, or work simultaneously. Hydraulic motor + planetary reducer. Use High-performance rotation-resistant ropes.
Counterweight	72t total counterweight among which 42t main body counterweights (4 pieces), 9t side counterweights (2 pieces) and 6t side counterweights (2 pieces). Each counterweight combination can be moved backwards for 0.5m.
Hood	In frame-type structure, made of aluminium alloy, beautiful appearance.
Central lubricating system	All the lubricating points are automatically supplied with the correct grease quantity.
Operator’s cab	4.0 series spacious panoramic cab with sliding door, Integrated bus key panel, Vertical 10.4 inch two-in-one LCD (touch screen). AC and heater. Can be tiltable up to 20°.
Control system	Superstructure operating mode consists of the electro-hydraulic proportional operation and the computer integrated control. The counterweight self-assembly and dismantling function.
Monitoring system	Applying the bus technology, the complete vehicle is equipped with several encoders and sensors.
Superstructure engine	Weichai WP7G270E301. Rated maximum power / RPM: 199 kW at 2000 r/min. Max. output torque / RPM: 1200 N.m at 1200 -1500r/min. Fuel tank: 220L.

Crane Carrier

Chassis frame	Made by ZOOMLION with high-tensile steel plate.
Outrigger	H type two sectional outrigger, box-shaped section, made of high-tensile steel (s=960MPa).
Engine	WP12.460E50. Rated power / RPM: 338 kW at 1900 r/min. Max. output torque / RPM: 2110 N.m at 1000 -1400r/min. Capacity of diesel oil tank: 500 L.
Transmission	F12JZ22A automatic transmission, The hydraulic retarder is available for options, 12 forward and 2 reverse speeds.
Transfer case	2-gear transfer case (speed ratio: 1/1.75).
Propeller shaft	The vehicle adopts an open propeller shaft arrangement with the contrate gear flange.
Axles	13t axles, 3 axles are mechanically drive. All axles steer. 3 axles are mechanical drive. Axles 2, 4 and 5 are steer and drive axles. Axles 1 and 3 are steer and driven axles. Axles 1 and 5 adopt disc brakes, while axles 2, 3 and 4 adopt drum brakes.
Suspension	All axles with hydro-pneumatic suspension and automatic leveling system.
Steering system	total 6 steering modes, Axles 1 and 2 are mechanically steered by the steering wheel. Axles 3, 4 and 5 are steered by electric proportional valve.
Brake	Service brake, parking brake (emergency brake) and auxiliary brake.
Tires	Tire size: 445/95R25 radial tires.
Electrical system	CAN data bus technology. Generator: 28 V, 80 A. With visible reversing device and acoustic warning system.
Driver’s cab	4.0 series full-width and all-metal welded spacious cab. Equipped with control lights, control switches, cigarette lighter, USB interface and MP3 player. Ac and heater. Rearview camera.

MAIN TECHNICAL PARAMETERS

Item			Value	Remarks
Work	Max. rated lifting capacity	t	250	
	Max. load moment of basic boom	t.m	704	
	Max. load moment of main boom (fully extended)	t.m	252	
	Max. lifting height of basic boom	m	14.6	
	Max. lifting height of main boom	m	88	These parameters do not include deflection of boom and jib
	Max. lifting height of jib	m	115.5	
Work speeds	Max. hoist rope speed (Main winch)	m/min	135	
	Boom derricking up time	s	70	
	Boom extending time	s	750	
	Slewing speed	r/min	0-1.5	
Driving	Max. operation altitude	m	2000	
	Max. driving speed	km/h	80	
	Max. gradeability	%	48	
	Min. turning diameter	m	≤20.5	
	Min. ground clearance	mm	334	
	Limits for exhaust pollutants and smoke		Europe V	
	Front overhang angle	°	19	
	Rear overhang angle	°	12	
Mass	Deadweight in driving condition	kg	54900	Single axle not exceeding 12t state: without the hook, the movable counterweight, the jib, the rooster sheave, the tip boom, main winch and main hoist rope, the auxiliary winch & the auxiliary hoist rope, the rear sliding beam (including the cylinders), the outrigger pad, 4-8 sections of main boom and the spare tire.
	Complete vehicle kerb mass	kg	54705	
	Single axle load	kg	10050/10050/11600/11600/11600	
Dimensions	Overall dimensions (L×W×H)	mm	16990×3000×4000	
	Outrigger spread (W)	m	Completely extended: 8.3 m; intermediate extended: 5.5 m	
	Outrigger spread (L)	m	9.23	
	Slewing radius of counterweight tail	mm	5300 (counterweight front position),5800 (counterweight moved backwards)	
	Main boom length	m	14.6-88	
	Boom angle	°	-0.5-82	
	Jib length	m	10.4, 17.5	Optional:25.5