Technical data

Item			Value	Remarks
Work performance	Max. rated lifting capacity	kg	220000	At 3 m radius
	Max. load moment of basic boom	kN.m	7350	At 6 m radius
	Max. load moment of main boom (fully extended)	kN.m	3567	At 26 m radius
	Max. lifting height of basic boom	m	15.0	
	Max. lifting height of main boom	m	67.5	The parameters do not include deflection of main boom and jib. The value in the brackets is the value with extension installed.
	Max. lifting height of jib	m	95.8 / (104)	
Work speeds	Max. hoist rope speed (Main winch)	m/min	120	At the 5th layer
	Max. hoist rope speed (Auxiliary winch)	m/min	60	At the 3rd layer
	Boom derricking up time	s	90	
	Boom extending time	min	14	
	Max. slewing speed	r/min	1.5	
Driving	Max. driving speed	km/h	75	
	Max. gradeability	%	40	
	Min. turning diameter	m	≤ 24	
	Min. ground clearance	mm	300	
	Limits for exhaust pollutants and smoke		Conform to related standards	GB3847-2005 GB17691-2005 (National stage III)
	Oil consumption per hundred kilometers	L	85	
Mass	Deadweight in driving condition	kg	66000	
	Complete vehicle kerb mass	kg	65805	
	Loads on axles 1, 2 and 3	kg	10000/10000/10000/	
	Loads on axles 4, 5 and 6	kg	26000 (Tandem axles) / 10000	
Dimensions	Overall dimensions (L × W × H)	mm	16830 × 3000 × 4000	
	Outrigger spread (L)	m	8.25	
	Outrigger spread (W)	m	8.5 (fully extended), 6.5 (intermediately extended)	
	Main boom length	m	14.5 – 67	
	Boom angle	°	-0.5 – 82	
	Jib length	m	12, 20, 28	
	Jib + extension length	m	36	
	Offset	°	0, 15, 30	

2.3 Lifting capacity tables

Table 1 **Unit: Metric tons**

14.5 – 67 m telescopic boom, 8.5 m outriggers (fully extended), with 75 t counterweight, over side and over rear														
Working radius (m)	Boom length (m)												Working radius (m)	
	14.5	19.3	24.1	28.9	33.7	38.5	43.3	48.1	52.9	57.7	62.5	67.0		
3.0	220*												3.0	
3.5	160*	150*											3.5	
4.0	150*	145*	130										4.0	
4.5	140*	135*	125	115									4.5	
5.0	135*	130	120	115	95								5.0	
5.5	130	125	115	110	95								5.5	
6.0	125	120	110	105	95	76							6.0	
7.0	106	105	100	95	90	72	60						7.0	
8.0	92	92	90	87	82	68	57	50					8.0	
9.0	80	82	81	80	75	64	53	47					9.0	
10.0	70	73	74	73	70	60	49	45	40				10.0	
11.0		65	67	66	65	57	46	42	38	33			11.0	
12.0		59	60	60	60	54	43	39	36	31			12.0	
14.0		49	50	51	51	49	37	34	32	28	25		14.0	
16.0			42	43	43	44	33	30	29	26	23	20	16.0	
18.0			35	36	37	38	30	27	26	24	21	18	18.0	
20.0				31	32	32	28	25	24	22	19.5	17	20.0	
22.0				26	27	28	25	23	22	20	18	16	22.0	
24.0					24	25	23	21	20	18	17	15	24.0	
26.0					21	22	21	19	18	16.5	16	14	26.0	
28.0						19	19	17.5	16.4	15	15	13	28.0	
30.0						17	17	16	15	14	14	12	30.0	
32.0						15	15	14.7	14	13	13	11	32.0	
34.0							13	13.5	13	12	12	10	34.0	
36.0							12	12	12	11	11	9.5	36.0	
38.0								10.5	11	10.2	10.2	9	38.0	
40.0								9.5	10	9.5	9.5	8.5	40.0	
42.0									9	9	9	8	42.0	
44.0									8	8.5	8.5	7.5	44.0	
46.0										7.8	8	7	46.0	
48.0										7.2	7.5	6.5	48.0	
50.0											7	6	50.0	
52.0											6.5	5.5	52.0	
54.0												5	54.0	
56.0												4.5	56.0	
58.0												4	58.0	
Reeving	16	15	13	11	9	7	6	5	4	3	3	2	Reeving	
Hook	130 t							50 t			50 t or 25 t		Hook	
Telescoping mode I	1	1	2	2	2	2	3	3	3	3	3	4	I	Telescoping mode
Telescoping mode II	1	2	2	2	2	2	2	3	3	3	3	4	II	Telescoping mode
Telescoping mode III	1	1	1	2	2	2	2	2	3	3	3	4	III	Telescoping mode
Telescoping mode IV	1	1	1	1	2	2	2	2	2	3	3	4	IV	Telescoping mode
Telescoping mode V	1	1	1	1	1	2	2	2	2	2	3	4	V	Telescoping mode

NOTE

The values with * are suitable for 220 t hook. When the lifting capacity is 220 t, 22 reevings are recommended.

Table 2 **Unit: Metric tons**

14.5 – 67 m telescopic boom, 8.5 m outriggers (fully extended), with 60 t counterweight, over side and over rear														
Working radius (m)	Boom length (m)												Working radius (m)	
	14.5	19.3	24.1	28.9	33.7	38.5	43.3	48.1	52.9	57.7	62.5	67.0		
3.0	160*												3.0	
3.5	150*	150*											3.5	
4.0	140*	140*	130										4.0	
4.5	135*	130	125	115									4.5	
5.0	130	125	120	115	95								5.0	
5.5	125	120	115	110	95								5.5	
6.0	120	115	110	105	95	76							6.0	
7.0	100	100	100	95	90	72	60						7.0	
8.0	86	88	89	87	82	68	57	50					8.0	
9.0	75	78	78	79	75	64	53	47					9.0	
10.0	65	68	69	70	70	60	49	45	40				10.0	
11.0		60	61	62	64	57	46	42	38	33			11.0	
12.0		54	55	56	58	54	43	39	36	31			12.0	
14.0		45	44	45	47	48	37	34	32	28	25		14.0	
16.0			35	36	38	39	33	30	29	26	23	20	16.0	
18.0			28	30	31	32	30	27	26	24	21	18	18.0	
20.0				25	26	27	26.5	25	24	22	19.5	17	20.0	
22.0				21	22	23	22.5	22.5	22	20	18	16	22.0	
24.0					19	20	19.5	19.5	19.5	18	17	15	24.0	
26.0					16	17	17	17	17	16.5	16	14	26.0	
28.0						15	15	15	15	15	15	13	28.0	
30.0						13	13	13	13	13.5	13.5	12	30.0	
32.0						11	11	11	11	11.5	12	11	32.0	
34.0							10	10	10	10.5	11	10	34.0	
36.0							9	9	9	9.5	10	9.5	36.0	
38.0								8	8	8.5	9	9	38.0	
40.0								7	7	7.5	8	8	40.0	
42.0									6	6.5	7	7	42.0	
44.0									5.5	6	6.5	6.5	44.0	
46.0										5	5.5	5.5	46.0	
48.0										4.5	5	5	48.0	
50.0											4.5	4.5	50.0	
52.0											4	4	52.0	
54.0												3.5	54.0	
56.0													56.0	
58.0													58.0	
Reeving	16	15	13	11	9	7	6	5	4	3	3	2	Reeving	
Hook	130 t							50 t			50 t or 25 t		Hook	
Telescoping mode I	1	1	2	2	2	2	3	3	3	3	3	4	I	Telescoping mode
Telescoping mode II	1	2	2	2	2	2	2	3	3	3	3	4	II	Telescoping mode
Telescoping mode III	1	1	1	2	2	2	2	2	3	3	3	4	III	Telescoping mode
Telescoping mode IV	1	1	1	1	2	2	2	2	2	3	3	4	IV	Telescoping mode
Telescoping mode V	1	1	1	1	1	2	2	2	2	2	3	4	V	Telescoping mode

NOTE

The values with * are suitable for 220 t hook.

Table 3 **Unit: Metric tons**

14.5 – 67 m telescopic boom, 8.5 m outriggers (fully extended), with 43 t counterweight, over side and over rear														
Working radius (m)	Boom length (m)												Working radius (m)	
	14.5	19.3	24.1	28.9	33.7	38.5	43.3	48.1	52.9	57.7	62.5	67.0		
3.0	150*												3.0	
3.5	140*	140*											3.5	
4.0	130	130	130										4.0	
4.5	125	125	125	115									4.5	
5.0	120	120	120	115	95								5.0	
5.5	115	115	115	110	95								5.5	
6.0	110	110	110	105	95	76							6.0	
7.0	93	94	94	94	90	72	60						7.0	
8.0	80	82	82	82	82	68	57	50					8.0	
9.0	70	72	72	72	72	64	53	47					9.0	
10.0	60	62	62	63	64	60	49	45	40				10.0	
11.0		55	54	55	57	57	46	42	38	33			11.0	
12.0		47	46	47	49	50	43	39	36	31			12.0	
14.0		36	35	36	38	39	37	34	32	28	25		14.0	
16.0			27	28	30	31	30.5	30	29	26	23	20	16.0	
18.0			22	23	24	25	24.5	24.5	25	24	21	18	18.0	
20.0				19	20	21	20.5	20.5	20.5	21	19.5	17	20.0	
22.0				16	17	18	17.5	17.5	17.5	18	18	16	22.0	
24.0					14	15	14.5	14.5	14.5	15	15.5	15	24.0	
26.0					12	13	12.5	12.5	12.5	13	13.5	14	26.0	
28.0						11	10.5	10.5	10.5	11	11.5	12	28.0	
30.0						9.5	9	9	9	9.5	10	10.5	30.0	
32.0						8.5	7.5	7.5	7.5	8	8.5	9	32.0	
34.0							6.5	6.5	6.5	7	7.5	8	34.0	
36.0							5.5	5.5	5.5	6	6.5	7	36.0	
38.0								4.5	4.5	5	5.5	6	38.0	
40.0								4	4	4.5	5	5.5	40.0	
42.0									3.5	4	4.5	4.5	42.0	
44.0									3	3.5	4	4	44.0	
46.0										3	3.5	3.5	46.0	
48.0										2.5	3	3	48.0	
50.0											2.5	2.5	50.0	
52.0											2	2	52.0	
54.0													54.0	
56.0													56.0	
58.0													58.0	
Reeving	16	15	13	11	9	7	6	5	4	3	3	2	Reeving	
Hook	130 t							50 t			50 t or 25 t		Hook	
Telescoping mode I	1	1	2	2	2	2	3	3	3	3	3	4	I	Telescoping mode
Telescoping mode II	1	2	2	2	2	2	2	3	3	3	3	4	II	Telescoping mode
Telescoping mode III	1	1	1	2	2	2	2	2	3	3	3	4	III	Telescoping mode
Telescoping mode IV	1	1	1	1	2	2	2	2	2	3	3	4	IV	Telescoping mode
Telescoping mode V	1	1	1	1	1	2	2	2	2	2	3	4	V	Telescoping mode

NOTE

The values with * are suitable for 220 t hook.

Table 4 **Unit: Metric tons**

14.5 – 67 m telescopic boom, 8.5 m outriggers (fully extended), with 28 t counterweight, over side and over rear														
Working radius (m)	Boom length (m)												Working radius (m)	
	14.5	19.3	24.1	28.9	33.7	38.5	43.3	48.1	52.9	57.7	62.5	67.0		
3.0	140*												3.0	
3.5	130	130											3.5	
4.0	125	125	120										4.0	
4.5	120	120	115	115									4.5	
5.0	115	115	110	110	95								5.0	
5.5	110	110	105	105	95								5.5	
6.0	105	105	100	100	95	76							6.0	
7.0	85	85	85	85	85	72	60						7.0	
8.0	70	73	73	73	73	68	57	50					8.0	
9.0	60	63	62	63	64	64	53	47					9.0	
10.0	50	52	51	52	53	54	49	45	40				10.0	
11.0		43	42	43	44	45	45	42	38	33			11.0	
12.0		37	36	37	38	39	39	39	36	31			12.0	
14.0		28	27	28	29	30	29.5	29.5	30	28	20		14.0	
16.0			20	21	22	23	22.5	22.5	23	23.5	20	16	16.0	
18.0			16	17	18	19	18.5	18.5	18.5	19	19.5	16	18.0	
20.0				13	14	15	14.5	14.5	14.5	15	15.5	16	20.0	
22.0				11	12	13	12.5	12.5	12.5	13	13.5	14	22.0	
24.0					10	11	10.5	10.5	10.5	11	11.5	12	24.0	
26.0					8	9	8.5	8.5	8.5	9	9.5	10	26.0	
28.0						7.5	7	7	7	7.5	8	8.5	28.0	
30.0						6.5	6	6	6	6.5	7	7.5	30.0	
32.0						5.5	5	5	5	5.5	6	6.5	32.0	
34.0							4	4	4	4.5	5	5.5	34.0	
36.0							3	3	3	3.5	4	4.5	36.0	
38.0								2.5	2.5	3	3.5	3.5	38.0	
40.0								2	2	2.5	3	3	40.0	
42.0										2	2.5	2.5	42.0	
44.0											2	2	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	
Reeving	16	15	13	11	9	7	6	5	4	3	3	2	Reeving	
Hook	130 t							50 t			50 t or 25 t		Hook	
Telescoping mode I	1	1	2	2	2	2	3	3	3	3	3	4	I	Telescoping mode
Telescoping mode II	1	2	2	2	2	2	2	3	3	3	3	4	II	Telescoping mode
Telescoping mode III	1	1	1	2	2	2	2	2	3	3	3	4	III	Telescoping mode
Telescoping mode IV	1	1	1	1	2	2	2	2	2	3	3	4	IV	Telescoping mode
Telescoping mode V	1	1	1	1	1	2	2	2	2	2	3	4	V	Telescoping mode

NOTE

The values with * are suitable for 220 t hook.

Table 5 **Unit: Metric tons**

14.5 – 67 m telescopic boom, 8.5 m outriggers (fully extended), with 13 t counterweight, over side and over rear														
Working radius (m)	Boom length (m)												Working radius (m)	
	14.5	19.3	24.1	28.9	33.7	38.5	43.3	48.1	52.9	57.7	62.5	67.0		
3.0	130												3.0	
3.5	120	120											3.5	
4.0	115	115	115										4.0	
4.5	110	110	110	110									4.5	
5.0	105	105	105	105	95								5.0	
5.5	100	100	100	100	95								5.5	
6.0	95	95	95	95	95	76							6.0	
7.0	75	78	78	80	80	72	60						7.0	
8.0	55	60	59	60	61	62	57	50					8.0	
9.0	45	47	46	47	48	49	49	44					9.0	
10.0	35	37	36	37	38	39	39	39	38				10.0	
11.0		31	30	31	32	33	33	33	34	33			11.0	
12.0		26	25	26	27	28	27.5	28	29	30			12.0	
14.0		19	18	19	20	21	20.5	21	21.5	22.5	20		14.0	
16.0			13	14	15	16	15.5	16	16.5	17.5	18	16	16.0	
18.0			9	10	11	12	11.5	12	12.5	13.5	14	14	18.0	
20.0				8	9	10	9.5	10	10.5	11	11.5	11.5	20.0	
22.0				6	7	8	7.5	7.5	8	8.5	9	9	22.0	
24.0					5.5	6.5	6	6	6.5	7	7.5	7.5	24.0	
26.0					4	5	4.5	4.5	5	5.5	6	6	26.0	
28.0						4	3.5	3.5	4	4.5	5	5	28.0	
30.0						3	2.5	2.5	3	3.5	4	4	30.0	
32.0									2	2.5	3	3	32.0	
34.0											2.5	2.5	34.0	
36.0												2	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	
Reeving	16	15	13	11	9	7	6	5	4	3	3	2	Reeving	
Hook	130 t							50 t			50 t or 25 t		Hook	
Telescoping mode I	1	1	2	2	2	2	3	3	3	3	3	4	I	Telescoping mode
Telescoping mode II	1	2	2	2	2	2	2	3	3	3	3	4	II	Telescoping mode
Telescoping mode III	1	1	1	2	2	2	2	2	3	3	3	4	III	Telescoping mode
Telescoping mode IV	1	1	1	1	2	2	2	2	2	3	3	4	IV	Telescoping mode
Telescoping mode V	1	1	1	1	1	2	2	2	2	2	3	4	V	Telescoping mode

Table 6 **Unit: Metric tons**

14.5 – 67 m telescopic boom, 8.5 m outriggers (fully extended), with 0 t counterweight, over side and over rear														
Working radius (m)	Boom length (m)												Working radius (m)	
	14.5	19.3	24.1	28.9	33.7	38.5	43.3	48.1	52.9	57.7	62.5	67.0		
3.0	130												3.0	
3.5	120	120											3.5	
4.0	110	110	110										4.0	
4.5	105	105	105	105									4.5	
5.0	100	100	100	100	95								5.0	
5.5	92	92	92	92	92								5.5	
6.0	86	86	86	86	86	76							6.0	
7.0	59	60	58.5	59.5	62	62	55						7.0	
8.0	43	44	42.5	43.5	45	46	45	43					8.0	
9.0	33	34	32.5	33.5	35	36	35	35					9.0	
10.0	26	27	25.5	26.5	28	29	28.5	28.5	29				10.0	
11.0		22	20.5	21.5	23	24	23.5	23.5	24	24			11.0	
12.0		18	16.5	17.5	19	20	19.5	19.5	20	20			12.0	
14.0		12	10.5	11.5	13	14	13.5	13.5	14	14.5	15.5		14.0	
16.0			7	8	9.5	10.5	10	10	10	10.5	11.5	11.5	16.0	
18.0			4.5	5.5	6.5	7.5	7	7	7	7.5	8.5	8.5	18.0	
20.0				3.5	4.5	5.5	5	5	5	5.5	6.5	6.5	20.0	
22.0				2	3	4	3.5	3.5	3.5	4	4.5	4.5	22.0	
24.0					2	3	2.5	2.5	2.5	3	3.5	3.5	24.0	
26.0										2	2.5	2.5	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	
Reeving	16	15	13	11	9	7	6	5	4	3	3	2	Reeving	
Hook	130 t							50 t	50 t or 25 t				Hook	
Telescoping mode I	1	1	2	2	2	2	3	3	3	3	3	4	I	Telescoping mode
Telescoping mode II	1	2	2	2	2	2	2	3	3	3	3	4	II	Telescoping mode
Telescoping mode III	1	1	1	2	2	2	2	2	3	3	3	4	III	Telescoping mode
Telescoping mode IV	1	1	1	1	2	2	2	2	2	3	3	4	IV	Telescoping mode
Telescoping mode V	1	1	1	1	1	2	2	2	2	2	3	4	V	Telescoping mode

Table 7 **Unit: Metric tons**

14.5 – 67 m telescopic boom, 6.5 m outriggers (intermediately extended), with 75 t counterweight, over side and over rear														
Working radius (m)	Boom length (m)												Working radius (m)	
	14.5	19.3	24.1	28.9	33.7	38.5	43.3	48.1	52.9	57.7	62.5	67.0		
3.0	160*												3.0	
3.5	155*	150*											3.5	
4.0	145*	145*	130										4.0	
4.5	135*	135*	125	115									4.5	
5.0	130	130	120	115	95								5.0	
5.5	124	124	115	110	95								5.5	
6.0	116	115	110	105	95	76							6.0	
7.0	100	100	96	95	90	72	60						7.0	
8.0	86	86	85	84	81	68	57	50					8.0	
9.0	75	76	76	75	73	64	53	47					9.0	
10.0	66	68	68	68	66	60	49	45	40				10.0	
11.0		61	61	62	60	57	46	42	38	33			11.0	
12.0		55	55	56	56	54	43	39	36	31			12.0	
14.0		44	43	44	45	45	37	34	32	28	25		14.0	
16.0			34	35.5	36.5	38	33	30	29	26	23	20	16.0	
18.0			28	29	30	31	30	27	26	24	21	18	18.0	
20.0				24.5	25.5	26.5	26	25	24	22	19.5	17	20.0	
22.0				20.5	21.5	22.5	22	22	21	20	18	16	22.0	
24.0					18.5	19.5	19	19	19	18	17	15	24.0	
26.0					16	17	16.5	16.5	16.5	16.5	16	14	26.0	
28.0						15	14.5	14.5	14.5	15	15	13	28.0	
30.0						13.5	13	13	13	13.5	13	12	30.0	
32.0						11.5	11	11	11	12	12	11	32.0	
34.0							10	10	10	10.5	11	10	34.0	
36.0							9	9	9.4	9.7	10	9.4	36.0	
38.0								7.8	8.2	8.7	9.2	8.9	38.0	
40.0								7	7.3	7.8	8.2	8	40.0	
42.0									6.5	7	7.4	7.4	42.0	
44.0									5.5	6.2	6.6	6.6	44.0	
46.0										5.5	6	6	46.0	
48.0										4.6	5.3	5.3	48.0	
50.0											4.6	4.6	50.0	
52.0											4	4	52.0	
54.0												3.6	54.0	
56.0												3.2	56.0	
58.0												2.5	58.0	
Reeving	16	15	13	11	9	7	6	5	4	3	3	2	Reeving	
Hook	130 t							50 t			50 t or 25 t		Hook	
Telescoping mode I	1	1	2	2	2	2	3	3	3	3	3	4	I	Telescoping mode
Telescoping mode II	1	2	2	2	2	2	2	3	3	3	3	4	II	Telescoping mode
Telescoping mode III	1	1	1	2	2	2	2	2	3	3	3	4	III	Telescoping mode
Telescoping mode IV	1	1	1	1	2	2	2	2	2	3	3	4	IV	Telescoping mode
Telescoping mode V	1	1	1	1	1	2	2	2	2	2	3	4	V	Telescoping mode

NOTE

The values with * are suitable for 220 t hook.

Table 8 **Unit: Metric tons**

14.5 – 67 m telescopic boom, 6.5 m outriggers (intermediately extended), with 60 t counterweight, over side and over rear														
Working radius (m)	Boom length (m)												Working radius (m)	
	14.5	19.3	24.1	28.9	33.7	38.5	43.3	48.1	52.9	57.7	62.5	67.0		
3.0	160*												3.0	
3.5	150*	150*											3.5	
4.0	140*	140*	130										4.0	
4.5	135*	130*	125	115									4.5	
5.0	125	125	120	115	95								5.0	
5.5	118	118	115	110	95								5.5	
6.0	112	110	110	105	95	76							6.0	
7.0	95	95	95	93	90	72	60						7.0	
8.0	80	82	82	82	78	68	57	50					8.0	
9.0	72	72	72	72	70	64	53	47					9.0	
10.0	60	62	62	63	65	60	49	45	40				10.0	
11.0		54	53	54	55	56	46	42	38	33			11.0	
12.0		47	46	47	48	49	43	39	36	31			12.0	
14.0		36	35	36	37	38	37	34	32	28	25		14.0	
16.0			28	29	30	31	30	30	29	26	23	20	16.0	
18.0			22.5	23	25	26	25	25	25.5	24	21	18	18.0	
20.0				19.5	20.5	21.5	21	21	21.5	22	19	17	20.0	
22.0				16	17	18	17.5	17.5	18	19	18	16	22.0	
24.0					15	16	15	15	15.5	16	16	15	24.0	
26.0					12.5	14	13	13	13.5	14	14	14	26.0	
28.0						12	11	11	11.5	12	12.5	12.5	28.0	
30.0						10	9.5	9.5	10	10.5	11	11	30.0	
32.0						9	8	8	8.5	9	9.5	9.5	32.0	
34.0							7	7	7.5	8	8.5	8.5	34.0	
36.0							6	6	6.5	7	7.5	7.5	36.0	
38.0								5	5.8	6.2	6.8	6.8	38.0	
40.0								4	4.8	5.2	5.8	5.8	40.0	
42.0									4	4.5	5	5	42.0	
44.0									3.5	4	4.4	4.4	44.0	
46.0										3.2	3.6	3.6	46.0	
48.0										2.5	3	3	48.0	
50.0											2.5	2.5	50.0	
52.0											2	2	52.0	
54.0													54.0	
56.0													56.0	
58.0													58.0	
Reeving	16	15	13	11	9	7	6	5	4	3	3	2	Reeving	
Hook	130 t							50 t			50 t or 25 t		Hook	
Telescoping mode I	1	1	2	2	2	2	3	3	3	3	3	4	I	Telescoping mode
Telescoping mode II	1	2	2	2	2	2	2	3	3	3	3	4	II	Telescoping mode
Telescoping mode III	1	1	1	2	2	2	2	2	3	3	3	4	III	Telescoping mode
Telescoping mode IV	1	1	1	1	2	2	2	2	2	3	3	4	IV	Telescoping mode
Telescoping mode V	1	1	1	1	1	2	2	2	2	2	3	4	V	Telescoping mode

NOTE

The values with * are suitable for 220 t hook.

Table 9 **Unit: Metric tons**

14.5 – 67 m telescopic boom, 6.5 m outriggers (intermediately extended), with 43 t counterweight, over side and over rear														
Working radius (m)	Boom length (m)												Working radius (m)	
	14.5	19.3	24.1	28.9	33.7	38.5	43.3	48.1	52.9	57.7	62.5	67.0		
3.0	150*												3.0	
3.5	140*	140*											3.5	
4.0	130	130	130										4.0	
4.5	125	125	125	115									4.5	
5.0	120	120	120	115	95								5.0	
5.5	112	110	110	110	95								5.5	
6.0	104	103	103	102	95	76							6.0	
7.0	88	88	87	87	87	72	60						7.0	
8.0	74	74	74	74	74	68	57	50					8.0	
9.0	60	60	59	60	62	62	53	47					9.0	
10.0	50	50	49	50	52	53	49	45	40				10.0	
11.0		42	41	42	44	45	44	42	38	33			11.0	
12.0		36	35	36	38	39	38	38	36	31			12.0	
14.0		27	26	27	29	30	29	29	29	28	25		14.0	
16.0			21	22	23	24	23	23	23	24	23	20	16.0	
18.0			16	17	18	19	18.5	18.5	19	20	20	18	18.0	
20.0				14	15	16	15	15	15.5	16	16	16	20.0	
22.0				11	12	13	13	13	13	14	14	14	22.0	
24.0					10	11	11	11	11	11	12	12	24.0	
26.0					8.5	9.5	9	9	9	9.5	10	10	26.0	
28.0						8	7	7	7.8	8.3	9	9	28.0	
30.0						7	6	6	6.5	7	7.5	7.5	30.0	
32.0						5.5	5	5	5.5	6	6.5	6.5	32.0	
34.0							4	4	4.4	5	5.5	5.5	34.0	
36.0							3.5	3.5	3.8	4.2	4.8	4.8	36.0	
38.0								2.5	3	3.4	4	4	38.0	
40.0								2	2.5	2.6	3	3	40.0	
42.0										2	2.5	2.5	42.0	
44.0											2	2	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	
Reeving	16	15	13	11	9	7	6	5	4	3	3	2	Reeving	
Hook	130 t							50 t			50 t or 25 t		Hook	
Telescoping mode I	1	1	2	2	2	2	3	3	3	3	3	4	I	Telescoping mode
Telescoping mode II	1	2	2	2	2	2	2	3	3	3	3	4	II	Telescoping mode
Telescoping mode III	1	1	1	2	2	2	2	2	3	3	3	4	III	Telescoping mode
Telescoping mode IV	1	1	1	1	2	2	2	2	2	3	3	4	IV	Telescoping mode
Telescoping mode V	1	1	1	1	1	2	2	2	2	2	3	4	V	Telescoping mode

NOTE

The values with * are suitable for 220 t hook.

Table 10 **Unit: Metric tons**

14.5 – 67 m telescopic boom, 6.5 m outriggers (intermediately extended), with 28 t counterweight, over side and over rear														
Working radius (m)	Boom length (m)												Working radius (m)	
	14.5	19.3	24.1	28.9	33.7	38.5	43.3	48.1	52.9	57.7	62.5	67.0		
3.0	140*												3.0	
3.5	130	130											3.5	
4.0	125	125	120										4.0	
4.5	120	120	115	115									4.5	
5.0	115	115	110	110	95								5.0	
5.5	106	106	104	100	95								5.5	
6.0	96	96	95	92	92	76							6.0	
7.0	75	75	74	72	72	72	60						7.0	
8.0	57	57	56	57	57	57	56	50					8.0	
9.0	45	46	45	46	47	48	47	46					9.0	
10.0	37	37.5	36	38	39	40	40	39	38				10.0	
11.0		32	31	32	33	34	34	34	34	33			11.0	
12.0		27	26	27	28	29	29	29	29	30			12.0	
14.0		20	19	20	21	22	22	22	22	23	20		14.0	
16.0			14	15	16	17	17	17	17	18	18	16	16.0	
18.0			11	12	13	14	13	13	14	14	15	14	18.0	
20.0				9	10	11	11	10.5	11	11.5	12	12	20.0	
22.0				7	8	9	8.5	8.7	9	9.5	10	10	22.0	
24.0					6.5	7	6.5	6.8	7	7.5	8	8	24.0	
26.0					5	6	5	5.4	5.8	6	6.5	6.5	26.0	
28.0						5	4	4.4	4.7	5	5.5	5.5	28.0	
30.0						4	3	3.4	3.8	4	4.5	4.5	30.0	
32.0						3	2	2.4	2.8	3.2	3.6	3.6	32.0	
34.0									2	2.4	2.8	2.8	34.0	
36.0											2.2	2.2	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	
Reeving	16	15	13	11	9	7	6	5	4	3	3	2	Reeving	
Hook	130 t							50 t			50 t or 25 t		Hook	
Telescoping mode I	1	1	2	2	2	2	3	3	3	3	3	4	I	Telescoping mode
Telescoping mode II	1	2	2	2	2	2	2	3	3	3	3	4	II	Telescoping mode
Telescoping mode III	1	1	1	2	2	2	2	2	3	3	3	4	III	Telescoping mode
Telescoping mode IV	1	1	1	1	2	2	2	2	2	3	3	4	IV	Telescoping mode
Telescoping mode V	1	1	1	1	1	2	2	2	2	2	3	4	V	Telescoping mode

NOTE

The values with * are suitable for 220 t hook.

Table 11 **Unit: Metric tons**

14.5 – 67 m telescopic boom, 6.5 m outriggers (intermediately extended), with 13 t counterweight, over side and over rear														
Working radius (m)	Boom length (m)												Working radius (m)	
	14.5	19.3	24.1	28.9	33.7	38.5	43.3	48.1	52.9	57.7	62.5	67.0		
3.0	130												3.0	
3.5	120	120											3.5	
4.0	115	115	115										4.0	
4.5	110	110	110	110									4.5	
5.0	105	105	100	98	95								5.0	
5.5	90	90	85	84	81								5.5	
6.0	75	75	72	71	70	68							6.0	
7.0	55	55	53	53	53	52	50						7.0	
8.0	41	41	40	41	41	42	40	35					8.0	
9.0	32	32	31	32	34	35	32	32					9.0	
10.0	25	26	25	26	27	29	27	26	25				10.0	
11.0		21	20	21	22.5	24	22	22	22	20			11.0	
12.0		18	16	18	19	20.5	19	19	19	19			12.0	
14.0		12.5	11	12	13.5	15	14	14	14	15	15		14.0	
16.0			8	9	10	11	10	10	10.5	11	11	10	16.0	
18.0			5	6	7	8.5	7.5	7.5	8	8.5	9	8.5	18.0	
20.0				4	5.5	6.5	5.5	5.5	6	6.5	7	6.5	20.0	
22.0				2.5	3.5	4.5	4	4	4	5	5.5	5	22.0	
24.0					2.5	3.5	3	3	3	3.5	4	3.5	24.0	
26.0						2.5	2	2	2	2.2	3	2.5	26.0	
28.0											2	2	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	
Reeving	16	15	13	11	9	7	6	5	4	3	3	2	Reeving	
Hook	130 t							50 t	50 t or 25 t				Hook	
Telescoping mode I	1	1	2	2	2	2	3	3	3	3	3	4	I	Telescoping mode
Telescoping mode II	1	2	2	2	2	2	2	3	3	3	3	4	II	Telescoping mode
Telescoping mode III	1	1	1	2	2	2	2	2	3	3	3	4	III	Telescoping mode
Telescoping mode IV	1	1	1	1	2	2	2	2	2	3	3	4	IV	Telescoping mode
Telescoping mode V	1	1	1	1	1	2	2	2	2	2	3	4	V	Telescoping mode

Table 12 **Unit: Metric tons**

12 m jib, 8.5 m outriggers (fully extended), with 75 t counterweight, over side and over rear									
Jib length		12.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°	15°	30°	0°	15°	30°	Offset	
Boom angle								Boom angle	
82°		12.0	8.2	6.8	9.0	7.0	5.0	82°	
80°		12.0	8.2	6.5	9.0	7.0	5.0	80°	
78°		11.0	8.0	6.2	8.0	6.5	5.0	78°	
76°		10.2	7.8	6.2	8.0	6.0	4.5	76°	
74°		9.5	7.4	6.0	7.5	6.0	4.5	74°	
72°		9.0	7.0	5.9	7.2	5.8	4.5	72°	
70°		8.4	6.8	5.8	7.0	5.5	4.2	70°	
68°		7.8	6.4	5.6	6.5	5.2	4.2	68°	
66°		7.4	6.1	5.4	6.0	5.0	4.0	66°	
64°		7.0	5.9	5.3	5.7	4.8	4.0	64°	
62°		6.6	5.7	5.1	5.4	4.5	4.0	62°	
60°		6.3	5.5	5.0	5.1	4.3	3.8	60°	
58°		6.0	5.3	4.9	4.9	4.1	3.7	58°	
56°		5.8	5.1	4.8	4.7	4.0	3.6	56°	
54°		5.6	5.0	4.7	4.5	3.8	3.5	54°	
52°		5.4	4.9	4.6	4.3	3.7	3.4	52°	
50°		5.2	4.8	4.5	4.0	3.5	3.3	50°	
48°		5.0	4.6	4.4	3.7	3.4	3.1	48°	
46°		5.0	4.6	4.3	3.4	3.2	3.0	46°	
44°		4.8	4.5	4.3	3.2	3.0	2.8	44°	
42°		4.6	4.4	4.2	3.0	2.8	2.5	42°	
40°		4.5	4.2	4.0	2.8	2.5	2.2	40°	
35°		3.8	3.5	3.0	2.5	2.2	2.0	35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 13 **Unit: Metric tons**

12 m jib, 8.5 m outriggers (fully extended), with 60 t counterweight, over side and over rear									
Jib length		12.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset / Boom angle		0°	15°	30°	0°	15°	30°	Offset / Boom angle	
82°		12.0	8.2	6.8	9.0	7.0	5.0	82°	
80°		12.0	8.2	6.5	9.0	7.0	5.0	80°	
78°		11.0	8.0	6.2	8.0	6.5	5.0	78°	
76°		10.2	7.8	6.2	8.0	6.0	4.5	76°	
74°		9.5	7.4	6.0	7.5	6.0	4.5	74°	
72°		9.0	7.0	5.9	7.2	5.8	4.5	72°	
70°		8.4	6.8	5.8	7.0	5.5	4.2	70°	
68°		7.8	6.4	5.6	6.5	5.2	4.2	68°	
66°		7.4	6.1	5.4	6.0	5.0	4.0	66°	
64°		7.0	5.9	5.3	5.7	4.8	4.0	64°	
62°		6.6	5.7	5.1	5.4	4.5	4.0	62°	
60°		6.3	5.5	5.0	5.1	4.3	3.8	60°	
58°		6.0	5.3	4.9	4.9	4.1	3.7	58°	
56°		5.8	5.1	4.8	4.7	4.0	3.6	56°	
54°		5.6	5.0	4.7	4.5	3.8	3.5	54°	
52°		5.4	4.9	4.6	4.3	3.7	3.4	52°	
50°		5.0	4.8	4.5	4.0	3.5	3.3	50°	
48°		4.6	4.4	4.3	3.7	3.4	3.1	48°	
46°		4.2	4.1	4.0	3.4	3.2	3.0	46°	
44°		3.9	3.8	3.7	3.1	2.9	2.8	44°	
42°		3.5	3.4	3.3	2.8	2.7	2.5	42°	
40°		3.3	3.2	3.1	2.5	2.3	2.2	40°	
35°		2.6	2.5	2.4	2.0	1.9	1.8	35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 14 **Unit: Metric tons**

12 m jib, 8.5 m outriggers (fully extended), with 43 t counterweight, over side and over rear									
Jib length		12.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°	15°	30°	0°	15°	30°	Offset	
Boom angle								Boom angle	
82°		12.0	8.2	6.8	9.0	7.0	5.0	82°	
80°		12.0	8.2	6.5	9.0	7.0	5.0	80°	
78°		11.0	8.0	6.2	8.0	6.5	5.0	78°	
76°		10.2	7.8	6.2	8.0	6.0	4.5	76°	
74°		9.5	7.4	6.0	7.5	6.0	4.5	74°	
72°		9.0	7.0	5.9	7.2	5.8	4.5	72°	
70°		8.4	6.8	5.8	7.0	5.5	4.2	70°	
68°		7.8	6.4	5.6	6.5	5.2	4.2	68°	
66°		7.4	6.1	5.4	6.0	5.0	4.0	66°	
64°		7.0	5.9	5.3	5.7	4.8	4.0	64°	
62°		6.5	5.7	5.1	5.4	4.5	4.0	62°	
60°		5.8	5.5	5.0	4.9	4.3	3.8	60°	
58°		5.3	4.9	4.7	4.3	4.0	3.7	58°	
56°		4.7	4.4	4.2	3.7	3.5	3.3	56°	
54°		4.1	3.9	3.8	3.3	3.1	3.0	54°	
52°		3.6	3.4	3.3	2.9	2.8	2.6	52°	
50°		3.2	3.0	2.9	2.5	2.4	2.2	50°	
48°		2.8	2.6	2.5	2.1	2.0	1.9	48°	
46°		2.5	2.4	2.3	1.8	1.7	1.6	46°	
44°		2.1	2.0	1.9	1.5	1.4	1.3	44°	
42°		1.9	1.8	1.7	1.3	1.2	1.1	42°	
40°		1.6	1.5	1.4	1.0	0.9		40°	
35°		1.1	1.0					35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 15 **Unit: Metric tons**

12 m jib, 8.5 m outriggers (fully extended), with 28 t counterweight, over side and over rear									
Jib length		12.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°	15°	30°	0°	15°	30°	Offset	
Boom angle								Boom angle	
82°		12.0	8.2	6.8	9.0	7.0	5.0	82°	
80°		12.0	8.2	6.5	9.0	7.0	5.0	80°	
78°		11.0	8.0	6.2	8.0	6.5	5.0	78°	
76°		10.2	7.8	6.2	8.0	6.0	4.5	76°	
74°		9.5	7.4	6.0	7.5	6.0	4.5	74°	
72°		9.0	7.0	5.9	7.2	5.8	4.5	72°	
70°		8.0	6.8	5.8	6.7	5.5	4.2	70°	
68°		7.0	6.4	5.6	6.0	5.2	4.2	68°	
66°		6.0	5.6	5.2	5.0	4.6	4.0	66°	
64°		5.2	4.8	4.6	4.2	4.0	3.7	64°	
62°		4.5	4.2	4.0	3.5	3.3	3.2	62°	
60°		3.8	3.5	3.3	3.0	2.8	2.6	60°	
58°		3.2	3.0	2.8	2.5	2.3	2.2	58°	
56°		2.5	2.4	2.3	1.9	1.7	1.6	56°	
54°		2.2	2.1	2.0	1.4	1.3	1.2	54°	
52°		1.8	1.7	1.6	1.1	1.0	0.9	52°	
50°		1.3	1.2	1.1	0.9			50°	
48°		1.1	1.0	0.9				48°	
46°								46°	
44°								44°	
42°								42°	
40°								40°	
35°								35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 16 **Unit: Metric tons**

12 m jib, 8.5 m outriggers (fully extended), with 13 t counterweight, over side and over rear									
Jib length		12.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°	15°	30°	0°	15°	30°	Offset	
Boom angle								Boom angle	
82°		12.0	8.2	6.8	9.0	7.0	5.0	82°	
80°		12.0	8.2	6.5	9.0	7.0	5.0	80°	
78°		11.0	8.0	6.2	8.0	6.5	5.0	78°	
76°		9.5	7.8	6.2	7.5	6.0	4.5	76°	
74°		8.4	7.2	6.0	7.0	6.0	4.5	74°	
72°		6.8	6.0	5.5	5.7	5.2	4.5	72°	
70°		5.5	5.0	4.6	4.6	4.2	3.8	70°	
68°		4.5	4.0	3.8	3.6	3.3	3.1	68°	
66°		3.5	3.2	3.0	2.8	2.5	2.3	66°	
64°		2.7	2.5	2.3	2.1	1.9	1.8	64°	
62°		2.2	2.0	1.8	1.4	1.3	1.2	62°	
60°		1.4	1.3	1.2	0.9			60°	
58°								58°	
56°								56°	
54°								54°	
52°								52°	
50°								50°	
48°								48°	
46°								46°	
44°								44°	
42°								42°	
40°								40°	
35°								35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 17 **Unit: Metric tons**

20 m jib, 8.5 m outriggers (fully extended), with 75 t counterweight, over side and over rear									
Jib length		20.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°	15°	30°	0°	15°	30°	Offset	
Boom angle								Boom angle	
82°		6.7	4.3	3.2	5.6	3.8	2.8	82°	
80°		6.7	4.3	3.2	5.6	3.8	2.8	80°	
78°		6.5	4.2	3.2	5.6	3.8	2.5	78°	
76°		6.0	4.2	3.2	5.0	3.6	2.5	76°	
74°		5.8	4.0	3.1	4.5	3.4	2.3	74°	
72°		5.3	3.9	3.0	4.1	3.2	2.3	72°	
70°		5.0	3.8	3.0	3.8	3.0	2.3	70°	
68°		4.7	3.6	3.0	3.5	2.8	2.0	68°	
66°		4.5	3.4	2.9	3.2	2.7	2.0	66°	
64°		4.2	3.2	2.9	3.0	2.6	2.0	64°	
62°		4.0	3.1	2.8	2.7	2.5	1.8	62°	
60°		3.8	3.0	2.7	2.5	2.3	1.7	60°	
58°		3.6	2.9	2.7	2.4	2.2	1.6	58°	
56°		3.4	2.8	2.6	2.2	2.0	1.5	56°	
54°		3.3	2.7	2.5	2.1	1.9	1.5	54°	
52°		3.1	2.6	2.5	2.0	1.8	1.5	52°	
50°		3.0	2.6	2.4	2.0	1.8	1.4	50°	
48°		2.9	2.6	2.4	1.8	1.6	1.4	48°	
46°		2.8	2.5	2.3	1.8	1.6	1.4	46°	
44°		2.8	2.5	2.3	1.6	1.5	1.4	44°	
42°		2.6	2.4	2.3	1.6	1.5	1.4	42°	
40°		2.6	2.4	2.2	1.5	1.4	1.2	40°	
35°		2.3	2.2	1.8				35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 18 **Unit: Metric tons**

20 m jib, 8.5 m outriggers (fully extended), with 60 t counterweight, over side and over rear									
Jib length		20.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°	15°	30°	0°	15°	30°	Offset	
Boom angle								Boom angle	
82°		6.7	4.3	3.2	5.6	3.8	2.8	82°	
80°		6.7	4.3	3.2	5.6	3.8	2.8	80°	
78°		6.5	4.2	3.2	5.6	3.8	2.5	78°	
76°		6.0	4.2	3.2	5.0	3.6	2.5	76°	
74°		5.8	4.0	3.1	4.5	3.4	2.3	74°	
72°		5.3	3.9	3.0	4.1	3.2	2.3	72°	
70°		5.0	3.8	3.0	3.8	3.0	2.3	70°	
68°		4.7	3.6	3.0	3.5	2.8	2.0	68°	
66°		4.5	3.4	2.9	3.2	2.7	2.0	66°	
64°		4.2	3.2	2.9	3.0	2.6	2.0	64°	
62°		4.0	3.1	2.8	2.7	2.5	1.8	62°	
60°		3.8	3.0	2.7	2.5	2.3	1.7	60°	
58°		3.6	2.9	2.7	2.4	2.2	1.6	58°	
56°		3.4	2.8	2.6	2.2	2.0	1.5	56°	
54°		3.3	2.7	2.5	2.1	1.9	1.5	54°	
52°		3.1	2.6	2.5	2.0	1.8	1.5	52°	
50°		3.0	2.6	2.4	2.0	1.8	1.4	50°	
48°		2.9	2.6	2.4	1.8	1.6	1.4	48°	
46°		2.8	2.5	2.3	1.8	1.6	1.4	46°	
44°		2.8	2.5	2.3	1.6	1.5	1.4	44°	
42°		2.6	2.4	2.3	1.6	1.5	1.4	42°	
40°		2.4	2.3	2.2	1.5	1.4	1.2	40°	
35°		2.0	1.9	1.8				35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 19 **Unit: Metric tons**

20 m jib, 8.5 m outriggers (fully extended), with 43 t counterweight, over side and over rear									
Jib length		20.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°	15°	30°	0°	15°	30°	Offset	
Boom angle								Boom angle	
82°		6.7	4.3	3.2	5.6	3.8	2.8	82°	
80°		6.7	4.3	3.2	5.6	3.8	2.8	80°	
78°		6.5	4.2	3.2	5.6	3.8	2.5	78°	
76°		6.0	4.2	3.2	5.0	3.6	2.5	76°	
74°		5.8	4.0	3.1	4.5	3.4	2.3	74°	
72°		5.3	3.9	3.0	4.1	3.2	2.3	72°	
70°		5.0	3.8	3.0	3.8	3.0	2.3	70°	
68°		4.7	3.6	3.0	3.5	2.8	2.0	68°	
66°		4.5	3.4	2.9	3.2	2.7	2.0	66°	
64°		4.2	3.2	2.9	3.0	2.6	2.0	64°	
62°		4.0	3.1	2.8	2.7	2.5	1.8	62°	
60°		3.8	3.0	2.7	2.5	2.3	1.7	60°	
58°		3.6	2.9	2.7	2.4	2.2	1.6	58°	
56°		3.4	2.8	2.6	2.2	2.0	1.5	56°	
54°		3.1	2.7	2.5	2.1	1.9	1.5	54°	
52°		2.7	2.5	2.4	2.0	1.8	1.5	52°	
50°		2.3	2.1	2.0	1.6	1.5	1.3	50°	
48°		2.0	1.8	1.7	1.3	1.2	1.1	48°	
46°		1.7	1.6	1.5	1.1	1.0	0.9	46°	
44°		1.4	1.3	1.2	0.9			44°	
42°		1.2	1.1	1.0				42°	
40°		1.0	0.9					40°	
35°								35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 20 **Unit: Metric tons**

20 m jib, 8.5 m outriggers (fully extended), with 28 t counterweight, over side and over rear									
Jib length		20.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°	15°	30°	0°	15°	30°	Offset	
Boom angle								Boom angle	
82°		6.7	4.3	3.2	5.6	3.8	2.8	82°	
80°		6.7	4.3	3.2	5.6	3.8	2.8	80°	
78°		6.5	4.2	3.2	5.6	3.8	2.5	78°	
76°		6.0	4.2	3.2	5.0	3.6	2.5	76°	
74°		5.8	4.0	3.1	4.5	3.4	2.3	74°	
72°		5.3	3.9	3.0	4.1	3.2	2.3	72°	
70°		5.0	3.8	3.0	3.8	3.0	2.3	70°	
68°		4.7	3.6	3.0	3.5	2.8	2.0	68°	
66°		4.5	3.4	2.9	3.2	2.7	2.0	66°	
64°		4.0	3.2	2.9	3.0	2.6	2.0	64°	
62°		3.4	3.0	2.7	2.6	2.4	1.8	62°	
60°		2.9	2.5	2.2	2.1	1.9	1.7	60°	
58°		2.4	2.1	1.9	1.6	1.4	1.3	58°	
56°		1.9	1.6	1.4	1.2	1.1	1.0	56°	
54°		1.5	1.3	1.2	0.9			54°	
52°		1.1	1.0	0.9				52°	
50°								50°	
48°								48°	
46°								46°	
44°								44°	
42°								42°	
40°								40°	
35°								35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 21 **Unit: Metric tons**

20 m jib, 8.5 m outriggers (fully extended), with 13 t counterweight, over side and over rear									
Jib length		20.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°	15°	30°	0°	15°	30°	Offset	
Boom angle								Boom angle	
82°		6.7	4.3	3.2	5.6	3.8	2.8	82°	
80°		6.7	4.3	3.2	5.6	3.8	2.8	80°	
78°		6.5	4.2	3.2	5.6	3.8	2.5	78°	
76°		6.0	4.2	3.2	5.0	3.6	2.5	76°	
74°		5.8	4.0	3.1	4.5	3.4	2.3	74°	
72°		5.2	3.9	3.0	4.1	3.2	2.3	72°	
70°		4.3	3.6	3.0	3.4	2.8	2.3	70°	
68°		3.4	2.9	2.6	2.6	2.2	2.0	68°	
66°		2.6	2.3	2.0	1.9	1.5	1.4	66°	
64°		2.0	1.8	1.5	1.3	1.1		64°	
62°		1.4	1.2	1.1				62°	
60°								60°	
58°								58°	
56°								56°	
54°								54°	
52°								52°	
50°								50°	
48°								48°	
46°								46°	
44°								44°	
42°								42°	
40°								40°	
35°								35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 22 **Unit: Metric tons**

28 m jib, 8.5 m outriggers (fully extended), with 75 t counterweight, over side and over rear									
Jib length		28.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°	15°	30°	0°	15°	30°	Offset	
Boom angle								Boom angle	
82°		5.1	3.2	2.3	4.0	2.5	1.5	82°	
80°		4.9	3.2	2.3	4.0	2.5	1.5	80°	
78°		4.5	3.0	2.2	3.5	2.2	1.5	78°	
76°		4.0	2.8	2.1	3.5	2.2	1.4	76°	
74°		3.8	2.6	2.0	3.0	2.0	1.3	74°	
72°		3.5	2.5	2.0	2.8	2.0	1.2	72°	
70°		3.2	2.4	1.9	2.6	2.0	1.2	70°	
68°		3.1	2.3	1.9	2.4	1.9	1.2	68°	
66°		2.9	2.2	1.8	2.2	1.8		66°	
64°		2.7	2.1	1.8	2.0	1.7		64°	
62°		2.6	2.0	1.8	1.9	1.6		62°	
60°		2.4	2.0	1.7	1.8	1.5		60°	
58°		2.3	1.9	1.6	1.7	1.4		58°	
56°		2.2	1.8	1.6	1.6	1.2		56°	
54°		2.1	1.7	1.5	1.5	1.0		54°	
52°		2.0	1.7	1.5	1.5			52°	
50°		1.9	1.6	1.5	1.4			50°	
48°		1.8	1.6	1.4	1.4			48°	
46°		1.7	1.5	1.4	1.2			46°	
44°		1.7	1.5	1.4	1.2			44°	
42°		1.6	1.4	1.4				42°	
40°		1.6	1.4	1.3				40°	
35°		1.4	1.2	1.0				35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 23 **Unit: Metric tons**

28 m jib, 8.5 m outriggers (fully extended), with 60 t counterweight, over side and over rear									
Jib length		28.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°	15°	30°	0°	15°	30°	Offset	
Boom angle								Boom angle	
82°		5.1	3.2	2.3	4.0	2.5	1.5	82°	
80°		4.9	3.2	2.3	4.0	2.5	1.5	80°	
78°		4.5	3.0	2.2	3.5	2.2	1.5	78°	
76°		4.0	2.8	2.1	3.5	2.2	1.4	76°	
74°		3.8	2.6	2.0	3.0	2.0	1.3	74°	
72°		3.5	2.5	2.0	2.8	2.0	1.2	72°	
70°		3.2	2.4	1.9	2.6	2.0	1.2	70°	
68°		3.1	2.3	1.9	2.4	1.9	1.2	68°	
66°		2.9	2.2	1.8	2.2	1.8		66°	
64°		2.7	2.1	1.8	2.0	1.7		64°	
62°		2.6	2.0	1.8	1.9	1.6		62°	
60°		2.4	2.0	1.7	1.8	1.5		60°	
58°		2.3	1.9	1.6	1.7	1.4		58°	
56°		2.2	1.8	1.6	1.6	1.2		56°	
54°		2.1	1.7	1.5	1.5	1.0		54°	
52°		2.0	1.7	1.5	1.5			52°	
50°		1.9	1.6	1.5	1.4			50°	
48°		1.8	1.6	1.4	1.4			48°	
46°		1.7	1.5	1.4	1.2			46°	
44°		1.7	1.5	1.4	1.2			44°	
42°		1.6	1.4	1.4				42°	
40°		1.6	1.4	1.3				40°	
35°		1.3	1.2	1.0				35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 24 **Unit: Metric tons**

28 m jib, 8.5 m outriggers (fully extended), with 43 t counterweight, over side and over rear									
Jib length		28.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°	15°	30°	0°	15°	30°	Offset	
Boom angle								Boom angle	
82°		5.1	3.2	2.3	4.0	2.5	1.5	82°	
80°		4.9	3.2	2.3	4.0	2.5	1.5	80°	
78°		4.5	3.0	2.2	3.5	2.2	1.5	78°	
76°		4.0	2.8	2.1	3.5	2.2	1.4	76°	
74°		3.8	2.6	2.0	3.0	2.0	1.3	74°	
72°		3.5	2.5	2.0	2.8	2.0	1.2	72°	
70°		3.2	2.4	1.9	2.6	2.0	1.2	70°	
68°		3.1	2.3	1.9	2.4	1.9	1.2	68°	
66°		2.9	2.2	1.8	2.2	1.8		66°	
64°		2.7	2.1	1.8	2.0	1.7		64°	
62°		2.6	2.0	1.8	1.9	1.6		62°	
60°		2.4	2.0	1.7	1.8	1.5		60°	
58°		2.3	1.9	1.6	1.7	1.4		58°	
56°		2.2	1.8	1.6	1.6	1.2		56°	
54°		2.1	1.7	1.5	1.5	1.0		54°	
52°		2.0	1.7	1.4	1.3			52°	
50°		1.7	1.5	1.2	1.0			50°	
48°		1.3	1.2	1.0				48°	
46°		1.1	1.0					46°	
44°		0.9						44°	
42°								42°	
40°								40°	
35°								35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 25 **Unit: Metric tons**

28 m jib, 8.5 m outriggers (fully extended), with 28 t counterweight, over side and over rear									
Jib length		28.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°	15°	30°	0°	15°	30°	Offset	
Boom angle								Boom angle	
82°		5.1	3.2	2.3	4.0	2.5	1.5	82°	
80°		4.9	3.2	2.3	4.0	2.5	1.5	80°	
78°		4.5	3.0	2.2	3.5	2.2	1.5	78°	
76°		4.0	2.8	2.1	3.5	2.2	1.4	76°	
74°		3.8	2.6	2.0	3.0	2.0	1.3	74°	
72°		3.5	2.5	2.0	2.8	2.0	1.2	72°	
70°		3.2	2.4	1.9	2.6	2.0	1.2	70°	
68°		3.1	2.3	1.9	2.4	1.9	1.2	68°	
66°		2.9	2.2	1.8	2.2	1.8		66°	
64°		2.7	2.1	1.8	2.0	1.7		64°	
62°		2.5	2.0	1.8	1.8	1.6		62°	
60°		2.1	1.7	1.6	1.4	1.2		60°	
58°		1.6	1.3	1.2	1.1			58°	
56°		1.2	1.1	1.0				56°	
54°								54°	
52°								52°	
50°								50°	
48°								48°	
46°								46°	
44°								44°	
42°								42°	
40°								40°	
35°								35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 26 **Unit: Metric tons**

28 m jib, 8.5 m outriggers (fully extended), with 13 t counterweight, over side and over rear									
Jib length		28.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°	15°	30°	0°	15°	30°	Offset	
Boom angle								Boom angle	
82°		5.1	3.2	2.3	4.0	2.5	1.5	82°	
80°		4.9	3.2	2.3	4.0	2.5	1.5	80°	
78°		4.5	3.0	2.2	3.5	2.2	1.5	78°	
76°		4.0	2.8	2.1	3.5	2.2	1.4	76°	
74°		3.8	2.6	2.0	3.0	2.0	1.3	74°	
72°		3.5	2.5	2.0	2.8	2.0	1.2	72°	
70°		3.2	2.4	1.9	2.5	1.9	1.2	70°	
68°		2.5	2.0	1.7	1.8	1.4		68°	
66°		1.8			1.3			66°	
64°								64°	
62°								62°	
60°								60°	
58°								58°	
56°								56°	
54°								54°	
52°								52°	
50°								50°	
48°								48°	
46°								46°	
44°								44°	
42°								42°	
40°								40°	
35°								35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 27 **Unit: Metric tons**

36 m jib, 8.5 m outriggers (fully extended), with 75 t counterweight, over side and over rear									
Jib length		36.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°			0°			Offset	
Boom angle								Boom angle	
82°		3.2			2.5			82°	
80°		3.2			2.5			80°	
78°		3.0			2.2			78°	
76°		2.5			2.0			76°	
74°		2.3			1.8			74°	
72°		2.1			1.5			72°	
70°		1.9			1.2			70°	
68°		1.7			1.0			68°	
66°		1.6						66°	
64°		1.4						64°	
62°		1.3						62°	
60°		1.2						60°	
58°		1.1						58°	
56°		1.0						56°	
54°								54°	
52°								52°	
50°								50°	
48°								48°	
46°								46°	
44°								44°	
42°								42°	
40°								40°	
35°								35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 28 **Unit: Metric tons**

36 m jib, 8.5 m outriggers (fully extended), with 60 t counterweight, over side and over rear									
Jib length		36.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°			0°			Offset	
Boom angle								Boom angle	
82°		3.2			2.5			82°	
80°		3.2			2.5			80°	
78°		3.0			2.2			78°	
76°		2.5			2.0			76°	
74°		2.3			1.8			74°	
72°		2.1			1.5			72°	
70°		1.9			1.2			70°	
68°		1.7			1.0			68°	
66°		1.6						66°	
64°		1.4						64°	
62°		1.3						62°	
60°		1.2						60°	
58°		1.1						58°	
56°		1.0						56°	
54°								54°	
52°								52°	
50°								50°	
48°								48°	
46°								46°	
44°								44°	
42°								42°	
40°								40°	
35°								35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 29 **Unit: Metric tons**

36 m jib, 8.5 m outriggers (fully extended), with 43 t counterweight, over side and over rear									
Jib length		36.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°			0°			Offset	
Boom angle								Boom angle	
82°		3.2			2.5			82°	
80°		3.2			2.5			80°	
78°		3.0			2.2			78°	
76°		2.5			2.0			76°	
74°		2.3			1.8			74°	
72°		2.1			1.5			72°	
70°		1.9			1.2			70°	
68°		1.7			1.0			68°	
66°		1.6						66°	
64°		1.4						64°	
62°		1.3						62°	
60°		1.2						60°	
58°		1.1						58°	
56°		1.0						56°	
54°								54°	
52°								52°	
50°								50°	
48°								48°	
46°								46°	
44°								44°	
42°								42°	
40°								40°	
35°								35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 30 **Unit: Metric tons**

36 m jib, 8.5 m outriggers (fully extended), with 28 t counterweight, over side and over rear									
Jib length		36.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°			0°			Offset	
Boom angle								Boom angle	
82°		3.2			2.5			82°	
80°		3.2			2.5			80°	
78°		3.0			2.2			78°	
76°		2.5			2.0			76°	
74°		2.3			1.8			74°	
72°		2.1			1.5			72°	
70°		1.9			1.2			70°	
68°		1.7			1.0			68°	
66°		1.6						66°	
64°		1.4						64°	
62°		1.2						62°	
60°		1.0						60°	
58°								58°	
56°								56°	
54°								54°	
52°								52°	
50°								50°	
48°								48°	
46°								46°	
44°								44°	
42°								42°	
40°								40°	
35°								35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 31 **Unit: Metric tons**

36 m jib, 8.5 m outriggers (fully extended), with 13 t counterweight, over side and over rear									
Jib length		36.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°			0°			Offset	
Boom angle								Boom angle	
82°		3.2			2.5			82°	
80°		3.2			2.5			80°	
78°		3.0			2.2			78°	
76°		2.5			2.0			76°	
74°		2.3			1.8			74°	
72°		2.1			1.5			72°	
70°		1.8			1.0			70°	
68°		1.3						68°	
66°								66°	
64°								64°	
62°								62°	
60°								60°	
58°								58°	
56°								56°	
54°								54°	
52°								52°	
50°								50°	
48°								48°	
46°								46°	
44°								44°	
42°								42°	
40°								40°	
35°								35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 32 **Unit: Metric tons**

12 m jib, 6.5 m outriggers (intermediately extended), with 75 t counterweight, over side and over rear									
Jib length		12.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°	15°	30°	0°	15°	30°	Offset	
Boom angle								Boom angle	
82°		12.0	8.2	6.8	9.0	7.0	5.0	82°	
80°		12.0	8.2	6.5	9.0	7.0	5.0	80°	
78°		11.0	8.0	6.2	8.0	6.5	5.0	78°	
76°		10.2	7.8	6.2	8.0	6.0	4.5	76°	
74°		9.5	7.4	6.0	7.5	6.0	4.5	74°	
72°		9.0	7.0	5.9	7.2	5.8	4.5	72°	
70°		8.4	6.8	5.8	7.0	5.5	4.2	70°	
68°		7.8	6.4	5.6	6.5	5.2	4.2	68°	
66°		7.4	6.1	5.4	6.0	5.0	4.0	66°	
64°		7.0	5.9	5.3	5.7	4.8	4.0	64°	
62°		6.6	5.7	5.1	5.4	4.5	4.0	62°	
60°		6.3	5.5	5.0	5.1	4.3	3.8	60°	
58°		6.0	5.3	4.9	4.9	4.1	3.7	58°	
56°		5.8	5.1	4.8	4.7	4.0	3.6	56°	
54°		5.6	5.0	4.7	4.5	3.8	3.5	54°	
52°		5.4	4.9	4.6	4.3	3.7	3.4	52°	
50°		5.0	4.6	4.5	4.0	3.5	3.3	50°	
48°		4.5	4.3	4.2	3.6	3.4	3.1	48°	
46°		4.1	4.0	3.9	3.3	3.2	3.0	46°	
44°		3.8	3.6	3.5	3.0	2.9	2.8	44°	
42°		3.4	3.3	3.2	2.6	2.5	2.4	42°	
40°		3.2	3.0	2.9	2.4	2.3	2.2	40°	
35°		2.5	2.4	2.3	1.7	1.6	1.5	35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 33 **Unit: Metric tons**

12 m jib, 6.5 m outriggers (intermediately extended), with 60 t counterweight, over side and over rear									
Jib length		12.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°	15°	30°	0°	15°	30°	Offset	
Boom angle								Boom angle	
82°		12.0	8.2	6.8	9.0	7.0	5.0	82°	
80°		12.0	8.2	6.5	9.0	7.0	5.0	80°	
78°		11.0	8.0	6.2	8.0	6.5	5.0	78°	
76°		10.2	7.8	6.2	8.0	6.0	4.5	76°	
74°		9.5	7.4	6.0	7.5	6.0	4.5	74°	
72°		9.0	7.0	5.9	7.2	5.8	4.5	72°	
70°		8.4	6.8	5.8	7.0	5.5	4.2	70°	
68°		7.8	6.4	5.6	6.5	5.2	4.2	68°	
66°		7.4	6.1	5.4	6.0	5.0	4.0	66°	
64°		7.0	5.9	5.3	5.7	4.8	4.0	64°	
62°		6.6	5.7	5.1	5.4	4.5	4.0	62°	
60°		6.0	5.5	5.0	5.0	4.3	3.8	60°	
58°		5.4	5.2	4.9	4.5	4.1	3.7	58°	
56°		4.8	4.6	4.5	4.0	3.8	3.6	56°	
54°		4.4	4.2	4.0	3.5	3.3	3.2	54°	
52°		3.9	3.7	3.5	3.0	2.9	2.8	52°	
50°		3.4	3.3	3.1	2.7	2.5	2.4	50°	
48°		3.1	3.0	2.9	2.3	2.2	2.1	48°	
46°		2.7	2.6	2.5	2.0	1.9	1.8	46°	
44°		2.3	2.2	2.1	1.6	1.5	1.4	44°	
42°		2.1	2.0	1.9	1.4	1.3	1.2	42°	
40°		1.8	1.7	1.6	1.2	1.1	1.0	40°	
35°		1.2	1.1	1.0				35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 34 **Unit: Metric tons**

12 m jib, 6.5 m outriggers (intermediately extended), with 43 t counterweight, over side and over rear									
Jib length		12.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°	15°	30°	0°	15°	30°	Offset	
Boom angle								Boom angle	
82°		12.0	8.2	6.8	9.0	7.0	5.0	82°	
80°		12.0	8.2	6.5	9.0	7.0	5.0	80°	
78°		11.0	8.0	6.2	8.0	6.5	5.0	78°	
76°		10.2	7.8	6.2	8.0	6.0	4.5	76°	
74°		9.5	7.4	6.0	7.5	6.0	4.5	74°	
72°		9.0	7.0	5.9	7.2	5.8	4.5	72°	
70°		8.0	6.8	5.8	6.8	5.5	4.2	70°	
68°		7.2	6.4	5.6	6.0	5.2	4.2	68°	
66°		6.3	5.7	5.4	5.2	4.8	4.0	66°	
64°		5.4	5.0	4.8	4.5	4.2	3.9	64°	
62°		4.5	4.3	4.1	3.8	3.5	3.3	62°	
60°		4.0	3.6	3.5	3.2	3.0	2.8	60°	
58°		3.5	3.2	3.1	2.6	2.4	2.2	58°	
56°		3.0	2.7	2.6	2.1	2.0	1.9	56°	
54°		2.5	2.3	2.2	1.7	1.6	1.5	54°	
52°		2.0	1.8	1.7	1.3	1.2	1.1	52°	
50°		1.5	1.4	1.3	1.0	0.9		50°	
48°		1.2	1.1	1.0				48°	
46°		1.0	1.0	0.9				46°	
44°								44°	
42°								42°	
40°								40°	
35°								35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 35 **Unit: Metric tons**

12 m jib, 6.5 m outriggers (intermediately extended), with 28 t counterweight, over side and over rear									
Jib length		12.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°	15°	30°	0°	15°	30°	Offset	
Boom angle								Boom angle	
82°		12.0	8.2	6.8	9.0	7.0	5.0	82°	
80°		12.0	8.2	6.5	9.0	7.0	5.0	80°	
78°		11.0	8.0	6.2	8.0	6.5	5.0	78°	
76°		9.5	7.8	6.2	8.0	6.0	4.5	76°	
74°		8.5	7.4	6.0	7.0	6.0	4.5	74°	
72°		7.0	6.2	5.8	6.0	5.4	4.5	72°	
70°		6.0	5.2	5.0	5.0	4.5	4.2	70°	
68°		5.0	4.4	4.2	4.0	3.6	3.4	68°	
66°		4.0	3.6	3.4	3.1	2.8	2.7	66°	
64°		3.2	3.0	2.8	2.4	2.2	2.1	64°	
62°		2.5	2.3	2.1	1.8	1.7	1.6	62°	
60°		2.0	1.9	1.7	1.3	1.2	1.1	60°	
58°		1.4	1.3	1.2				58°	
56°		1.0						56°	
54°								54°	
52°								52°	
50°								50°	
48°								48°	
46°								46°	
44°								44°	
42°								42°	
40°								40°	
35°								35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 36 **Unit: Metric tons**

20 m jib, 6.5 m outriggers (intermediately extended), with 75 t counterweight, over side and over rear									
Jib length		20.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°	15°	30°	0°	15°	30°	Offset	
Boom angle								Boom angle	
82°		6.7	4.3	3.2	5.6	3.8	2.8	82°	
80°		6.7	4.3	3.2	5.6	3.8	2.8	80°	
78°		6.5	4.2	3.2	5.6	3.8	2.5	78°	
76°		6.0	4.2	3.2	5.0	3.6	2.5	76°	
74°		5.8	4.0	3.1	4.5	3.4	2.3	74°	
72°		5.3	3.9	3.0	4.1	3.2	2.3	72°	
70°		5.0	3.8	3.0	3.8	3.0	2.3	70°	
68°		4.7	3.6	3.0	3.5	2.8	2.0	68°	
66°		4.5	3.4	2.9	3.2	2.7	2.0	66°	
64°		4.2	3.2	2.9	3.0	2.6	2.0	64°	
62°		4.0	3.1	2.8	2.7	2.5	1.8	62°	
60°		3.8	3.0	2.7	2.5	2.3	1.7	60°	
58°		3.6	2.9	2.7	2.4	2.2	1.6	58°	
56°		3.4	2.8	2.6	2.2	2.0	1.5	56°	
54°		3.3	2.7	2.5	2.1	1.9	1.5	54°	
52°		3.1	2.6	2.5	2.0	1.8	1.5	52°	
50°		3.0	2.6	2.4	2.0	1.8	1.4	50°	
48°		2.9	2.6	2.4	1.8	1.6	1.4	48°	
46°		2.8	2.5	2.3	1.8	1.6	1.4	46°	
44°		2.8	2.5	2.3	1.6	1.5	1.3	44°	
42°		2.6	2.4	2.3	1.6	1.5	1.3	42°	
40°		2.3	2.2	2.1	1.5	1.4	1.2	40°	
35°		1.6	1.5	1.4				35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 37 **Unit: Metric tons**

20 m jib, 6.5 m outriggers (intermediately extended), with 60 t counterweight, over side and over rear									
Jib length		20.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°	15°	30°	0°	15°	30°	Offset	
Boom angle								Boom angle	
82°		6.7	4.3	3.2	5.6	3.8	2.8	82°	
80°		6.7	4.3	3.2	5.6	3.8	2.8	80°	
78°		6.5	4.2	3.2	5.6	3.8	2.5	78°	
76°		6.0	4.2	3.2	5.0	3.6	2.5	76°	
74°		5.8	4.0	3.1	4.5	3.4	2.3	74°	
72°		5.3	3.9	3.0	4.1	3.2	2.3	72°	
70°		5.0	3.8	3.0	3.8	3.0	2.3	70°	
68°		4.7	3.6	3.0	3.5	2.8	2.0	68°	
66°		4.5	3.4	2.9	3.2	2.7	2.0	66°	
64°		4.2	3.2	2.9	3.0	2.6	2.0	64°	
62°		4.0	3.1	2.8	2.7	2.5	1.8	62°	
60°		3.8	3.0	2.7	2.5	2.3	1.7	60°	
58°		3.6	2.9	2.7	2.4	2.2	1.6	58°	
56°		3.4	2.8	2.6	2.2	2.0	1.5	56°	
54°		3.3	2.7	2.5	2.1	1.9	1.5	54°	
52°		3.0	2.6	2.5	2.0	1.8	1.5	52°	
50°		2.6	2.4	2.3	1.9	1.7	1.4	50°	
48°		2.3	2.1	2.0	1.6	1.5	1.3	48°	
46°		2.0	1.8	1.7	1.3	1.2	1.1	46°	
44°		1.7	1.6	1.5	1.0			44°	
42°		1.4	1.3	1.2				42°	
40°		1.2	1.1	1.0				40°	
35°								35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 38 **Unit: Metric tons**

20 m jib, 6.5 m outriggers (intermediately extended), with 43 t counterweight, over side and over rear									
Jib length		20.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°	15°	30°	0°	15°	30°	Offset	
Boom angle								Boom angle	
82°		6.7	4.3	3.2	5.6	3.8	2.8	82°	
80°		6.7	4.3	3.2	5.6	3.8	2.8	80°	
78°		6.5	4.2	3.2	5.6	3.8	2.5	78°	
76°		6.0	4.2	3.2	5.0	3.6	2.5	76°	
74°		5.8	4.0	3.1	4.5	3.4	2.3	74°	
72°		5.3	3.9	3.0	4.1	3.2	2.3	72°	
70°		5.0	3.8	3.0	3.8	3.0	2.3	70°	
68°		4.7	3.6	3.0	3.5	2.8	2.0	68°	
66°		4.5	3.4	2.9	3.2	2.7	2.0	66°	
64°		4.2	3.2	2.9	3.0	2.6	2.0	64°	
62°		3.6	3.1	2.8	2.7	2.5	1.8	62°	
60°		3.0	2.7	2.5	2.3	2.0	1.7	60°	
58°		2.5	2.3	2.1	1.8	1.6	1.4	58°	
56°		2.1	1.9	1.7	1.3	1.2	1.1	56°	
54°		1.7	1.5	1.3	1.0	0.9		54°	
52°		1.3	1.2	1.0				52°	
50°		1.0						50°	
48°								48°	
46°								46°	
44°								44°	
42°								42°	
40°								40°	
35°								35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 39 **Unit: Metric tons**

20 m jib, 6.5 m outriggers (intermediately extended), with 28 t counterweight, over side and over rear									
Jib length		20.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°	15°	30°	0°	15°	30°	Offset	
Boom angle								Boom angle	
82°		6.7	4.3	3.2	5.6	3.8	2.8	82°	
80°		6.7	4.3	3.2	5.6	3.8	2.8	80°	
78°		6.5	4.2	3.2	5.6	3.8	2.5	78°	
76°		6.0	4.2	3.2	5.0	3.6	2.5	76°	
74°		5.8	4.0	3.1	4.5	3.4	2.3	74°	
72°		5.3	3.9	3.0	4.1	3.2	2.3	72°	
70°		4.5	3.8	3.0	3.6	3.0	2.3	70°	
68°		3.7	3.2	2.8	3.0	2.5	2.0	68°	
66°		3.0	2.4	2.2	2.3	2.0	1.7	66°	
64°		2.3	2.0	1.8	1.7	1.5	1.3	64°	
62°		1.8	1.5	1.3	1.2	1.0		62°	
60°		1.3	1.1	1.0				60°	
58°								58°	
56°								56°	
54°								54°	
52°								52°	
50°								50°	
48°								48°	
46°								46°	
44°								44°	
42°								42°	
40°								40°	
35°								35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 40 **Unit: Metric tons**

28 m jib, 6.5 m outriggers (intermediately extended), with 75 t counterweight, over side and over rear									
Jib length		28.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°	15°	30°	0°	15°	30°	Offset	
Boom angle								Boom angle	
82°		5.1	3.2	2.3	4.0	2.5	1.5	82°	
80°		4.9	3.2	2.3	4.0	2.5	1.5	80°	
78°		4.5	3.0	2.2	3.5	2.2	1.5	78°	
76°		4.0	2.8	2.1	3.5	2.2	1.4	76°	
74°		3.8	2.6	2.0	3.0	2.0	1.3	74°	
72°		3.5	2.5	2.0	2.8	2.0	1.2	72°	
70°		3.2	2.4	1.9	2.6	2.0	1.2	70°	
68°		3.1	2.3	1.9	2.4	1.9	1.2	68°	
66°		2.9	2.2	1.8	2.2	1.8		66°	
64°		2.7	2.1	1.8	2.0	1.7		64°	
62°		2.6	2.0	1.8	1.9	1.6		62°	
60°		2.4	2.0	1.7	1.8	1.5		60°	
58°		2.3	1.9	1.6	1.7	1.4		58°	
56°		2.2	1.8	1.6	1.6	1.2		56°	
54°		2.1	1.7	1.5	1.5	1.0		54°	
52°		2.0	1.7	1.5	1.5			52°	
50°		1.9	1.6	1.5	1.4			50°	
48°		1.8	1.6	1.4	1.4			48°	
46°		1.7	1.5	1.4	1.2			46°	
44°		1.6	1.5	1.4	1.2			44°	
42°		1.5	1.4	1.3				42°	
40°		1.4	1.3	1.2				40°	
35°		1.2	1.1	1.0				35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 41 **Unit: Metric tons**

28 m jib, 6.5 m outriggers (intermediately extended), with 60 t counterweight, over side and over rear									
Jib length		28.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°	15°	30°	0°	15°	30°	Offset	
Boom angle								Boom angle	
82°		5.1	3.2	2.3	4.0	2.5	1.5	82°	
80°		4.9	3.2	2.3	4.0	2.5	1.5	80°	
78°		4.5	3.0	2.2	3.5	2.2	1.5	78°	
76°		4.0	2.8	2.1	3.5	2.2	1.4	76°	
74°		3.8	2.6	2.0	3.0	2.0	1.3	74°	
72°		3.5	2.5	2.0	2.8	2.0	1.2	72°	
70°		3.2	2.4	1.9	2.6	2.0	1.2	70°	
68°		3.1	2.3	1.9	2.4	1.9	1.2	68°	
66°		2.9	2.2	1.8	2.2	1.8		66°	
64°		2.7	2.1	1.8	2.0	1.7		64°	
62°		2.6	2.0	1.8	1.9	1.6		62°	
60°		2.4	2.0	1.7	1.8	1.5		60°	
58°		2.3	1.9	1.6	1.7	1.4		58°	
56°		2.2	1.8	1.6	1.6	1.2		56°	
54°		2.1	1.7	1.5	1.5	1.0		54°	
52°		2.0	1.7	1.5	1.5			52°	
50°		1.9	1.6	1.5	1.3			50°	
48°		1.6	1.4	1.3	1.1			48°	
46°		1.3	1.2	1.1				46°	
44°		1.1	1.0	0.9				44°	
42°								42°	
40°								40°	
35°								35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 42 **Unit: Metric tons**

28 m jib, 6.5 m outriggers (intermediately extended), with 43 t counterweight, over side and over rear									
Jib length		28.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°	15°	30°	0°	15°	30°	Offset	
Boom angle								Boom angle	
82°		5.1	3.2	2.3	4.0	2.5	1.5	82°	
80°		4.9	3.2	2.3	4.0	2.5	1.5	80°	
78°		4.5	3.0	2.2	3.5	2.2	1.5	78°	
76°		4.0	2.8	2.1	3.5	2.2	1.4	76°	
74°		3.8	2.6	2.0	3.0	2.0	1.3	74°	
72°		3.5	2.5	2.0	2.8	2.0	1.2	72°	
70°		3.2	2.4	1.9	2.6	2.0	1.2	70°	
68°		3.1	2.3	1.9	2.4	1.9	1.2	68°	
66°		2.9	2.2	1.8	2.2	1.8		66°	
64°		2.7	2.1	1.8	2.0	1.7		64°	
62°		2.6	2.0	1.8	1.9	1.6		62°	
60°		2.3	2.0	1.7	1.6	1.3		60°	
58°		1.9	1.5	1.3	1.2	1.0		58°	
56°		1.5	1.3	1.1				56°	
54°		1.1	1.0					54°	
52°								52°	
50°								50°	
48°								48°	
46°								46°	
44°								44°	
42°								42°	
40°								40°	
35°								35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 43 **Unit: Metric tons**

28 m jib, 6.5 m outriggers (intermediately extended), with 28 t counterweight, over side and over rear									
Jib length		28.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°	15°	30°	0°	15°	30°	Offset	
Boom angle								Boom angle	
82°		5.1	3.2	2.3	4.0	2.5	1.5	82°	
80°		4.9	3.2	2.3	4.0	2.5	1.5	80°	
78°		4.5	3.0	2.2	3.5	2.2	1.5	78°	
76°		4.0	2.8	2.1	3.5	2.2	1.4	76°	
74°		3.8	2.6	2.0	3.0	2.0	1.3	74°	
72°		3.5	2.5	2.0	2.8	2.0	1.2	72°	
70°		3.2	2.4	1.9	2.5	2.0	1.2	70°	
68°		2.8	2.2	1.9	2.0	1.8	1.2	68°	
66°		2.2	1.8	1.5	1.5	1.3		66°	
64°		1.6	1.3	1.1	1.1			64°	
62°		1.2	1.0					62°	
60°								60°	
58°								58°	
56°								56°	
54°								54°	
52°								52°	
50°								50°	
48°								48°	
46°								46°	
44°								44°	
42°								42°	
40°								40°	
35°								35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 44 **Unit: Metric tons**

36 m jib, 6.5 m outriggers (intermediately extended), with 75 t counterweight, over side and over rear									
Jib length		36.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°						Offset	
Boom angle								Boom angle	
82°		3.2			2.5			82°	
80°		3.2			2.5			80°	
78°		3.0			2.2			78°	
76°		2.5			2.0			76°	
74°		2.3			1.8			74°	
72°		2.1			1.5			72°	
70°		1.9			1.2			70°	
68°		1.7			1.0			68°	
66°		1.6						66°	
64°		1.4						64°	
62°		1.3						62°	
60°		1.2						60°	
58°		1.1						58°	
56°		1.0						56°	
54°								54°	
52°								52°	
50°								50°	
48°								48°	
46°								46°	
44°								44°	
42°								42°	
40°								40°	
35°								35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 45 **Unit: Metric tons**

36 m jib, 6.5 m outriggers (intermediately extended), with 60 t counterweight, over side and over rear									
Jib length		36.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°						Offset	
Boom angle								Boom angle	
82°		3.2			2.5			82°	
80°		3.2			2.5			80°	
78°		3.0			2.2			78°	
76°		2.5			2.0			76°	
74°		2.3			1.8			74°	
72°		2.1			1.5			72°	
70°		1.9			1.2			70°	
68°		1.7			1.0			68°	
66°		1.6						66°	
64°		1.4						64°	
62°		1.3						62°	
60°		1.2						60°	
58°		1.1						58°	
56°		1.0						56°	
54°								54°	
52°								52°	
50°								50°	
48°								48°	
46°								46°	
44°								44°	
42°								42°	
40°								40°	
35°								35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 46 **Unit: Metric tons**

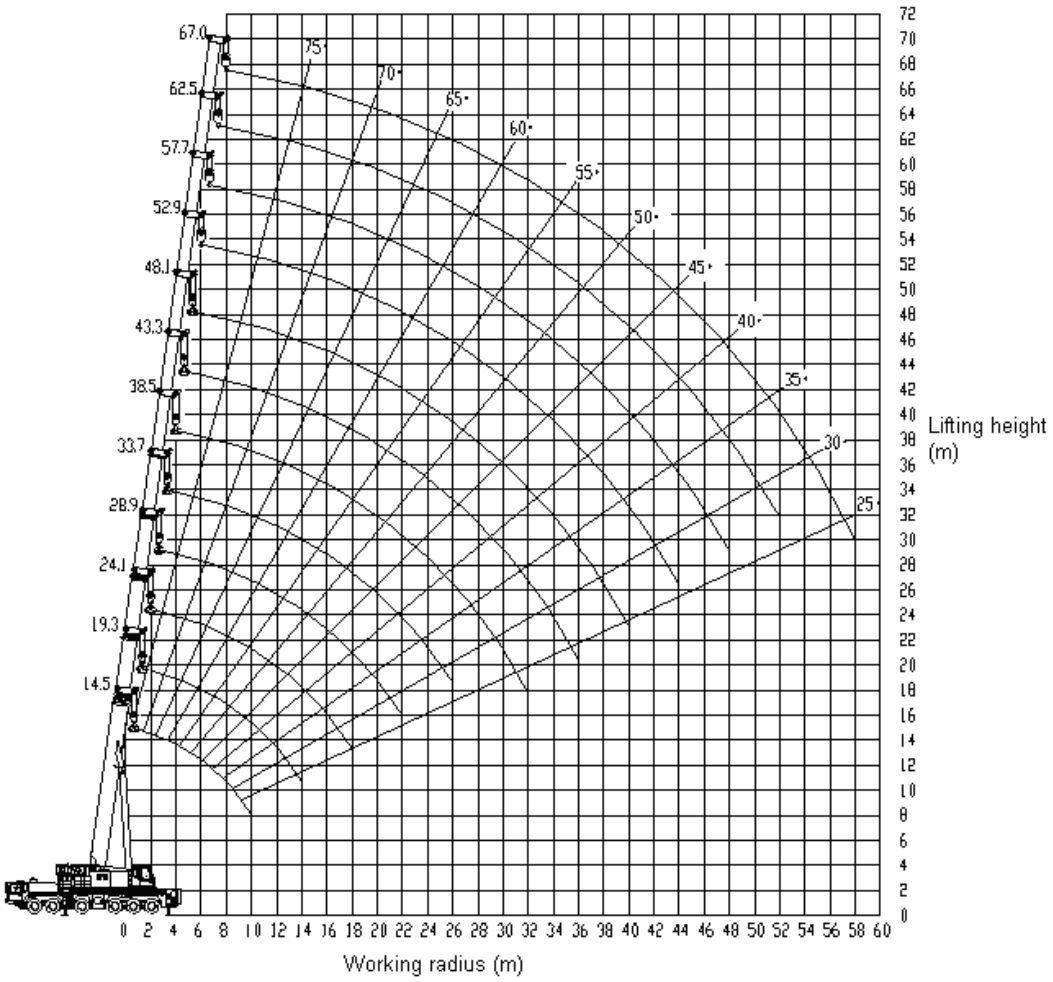
36 m jib, 6.5 m outriggers (intermediately extended), with 43 t counterweight, over side and over rear									
Jib length		36.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°						Offset	
Boom angle								Boom angle	
82°		3.2			2.5			82°	
80°		3.2			2.5			80°	
78°		3.0			2.2			78°	
76°		2.5			2.0			76°	
74°		2.3			1.8			74°	
72°		2.1			1.5			72°	
70°		1.8			1.2			70°	
68°		1.6			1.0			68°	
66°		1.5						66°	
64°		1.3						64°	
62°		1.2						62°	
60°		1.1						60°	
58°								58°	
56°								56°	
54°								54°	
52°								52°	
50°								50°	
48°								48°	
46°								46°	
44°								44°	
42°								42°	
40°								40°	
35°								35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

Table 47 **Unit: Metric tons**

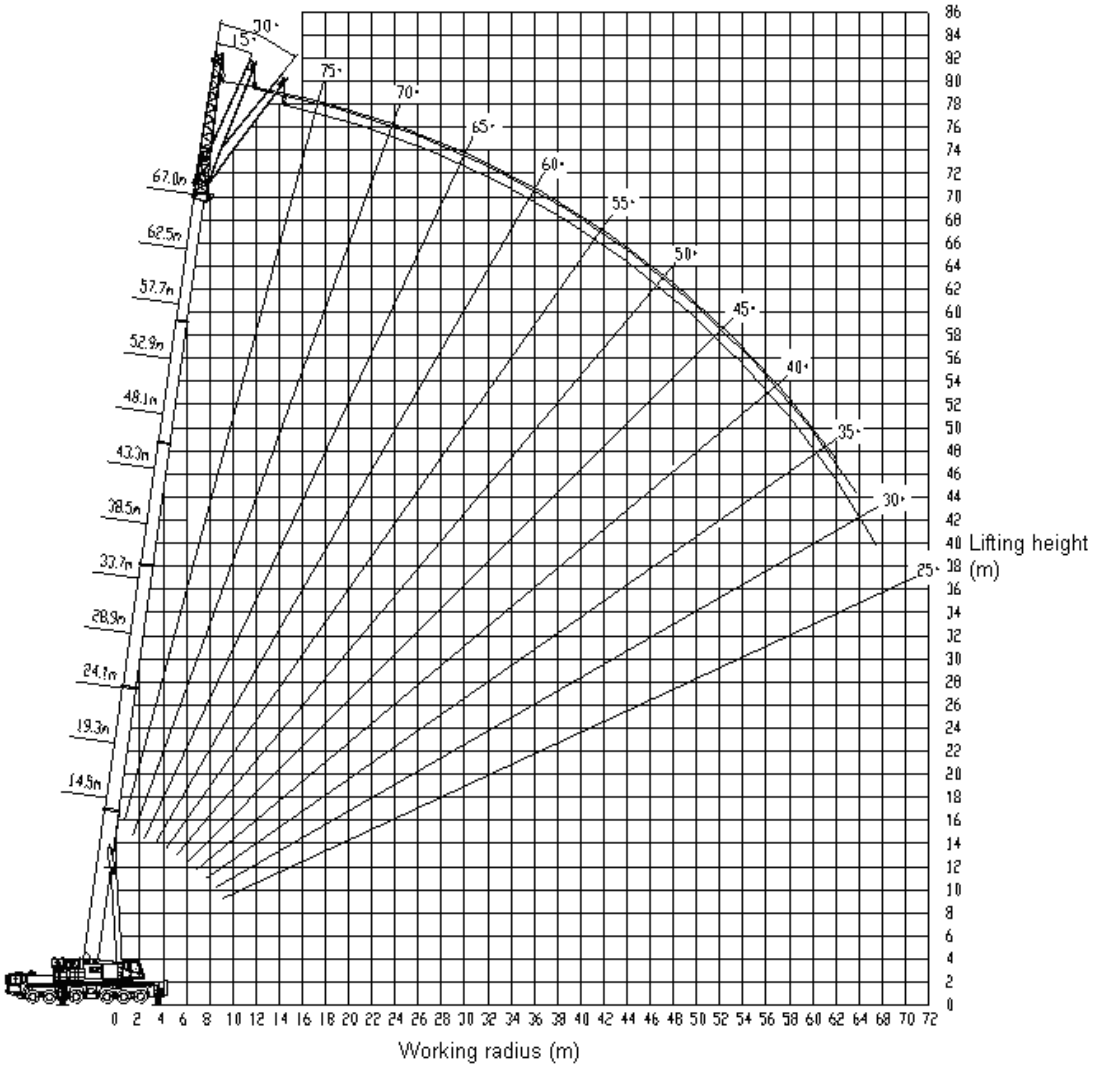
36 m jib, 6.5 m outriggers (intermediately extended), with 28 t counterweight, over side and over rear									
Jib length		36.0 m						Jib length	
Boom length		62.5 m			67.0 m			Boom length	
Offset		0°						Offset	
Boom angle								Boom angle	
82°		3.2			2.5			82°	
80°		3.2			2.5			80°	
78°		3.0			2.2			78°	
76°		2.5			2.0			76°	
74°		2.3			1.8			74°	
72°		2.1			1.5			72°	
70°		1.8			1.2			70°	
68°		1.5			1.0			68°	
66°		1.0						66°	
64°								64°	
62°								62°	
60°								60°	
58°								58°	
56°								56°	
54°								54°	
52°								52°	
50°								50°	
48°								48°	
46°								46°	
44°								44°	
42°								42°	
40°								40°	
35°								35°	
Reeving		1						Reeving	
Hook		12 t						Hook	
Telescoping mode	I	3	3	3	4	4	4	I	Telescoping mode
	II	3	3	3	4	4	4	II	
	III	3	3	3	4	4	4	III	
	IV	3	3	3	4	4	4	IV	
	V	3	3	3	4	4	4	V	

2.4 Lifting height charts

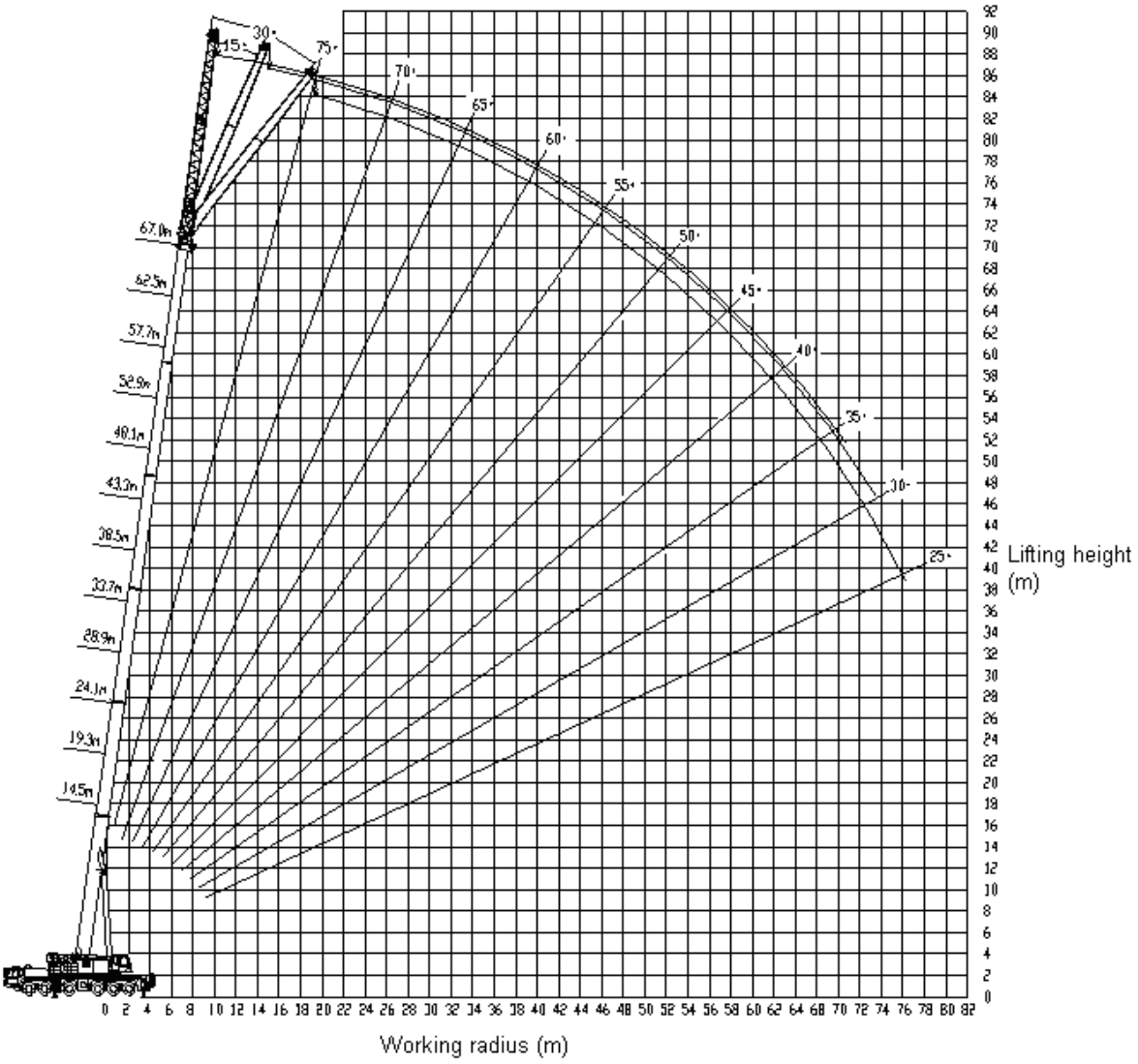
2.4.1 Telescopic boom



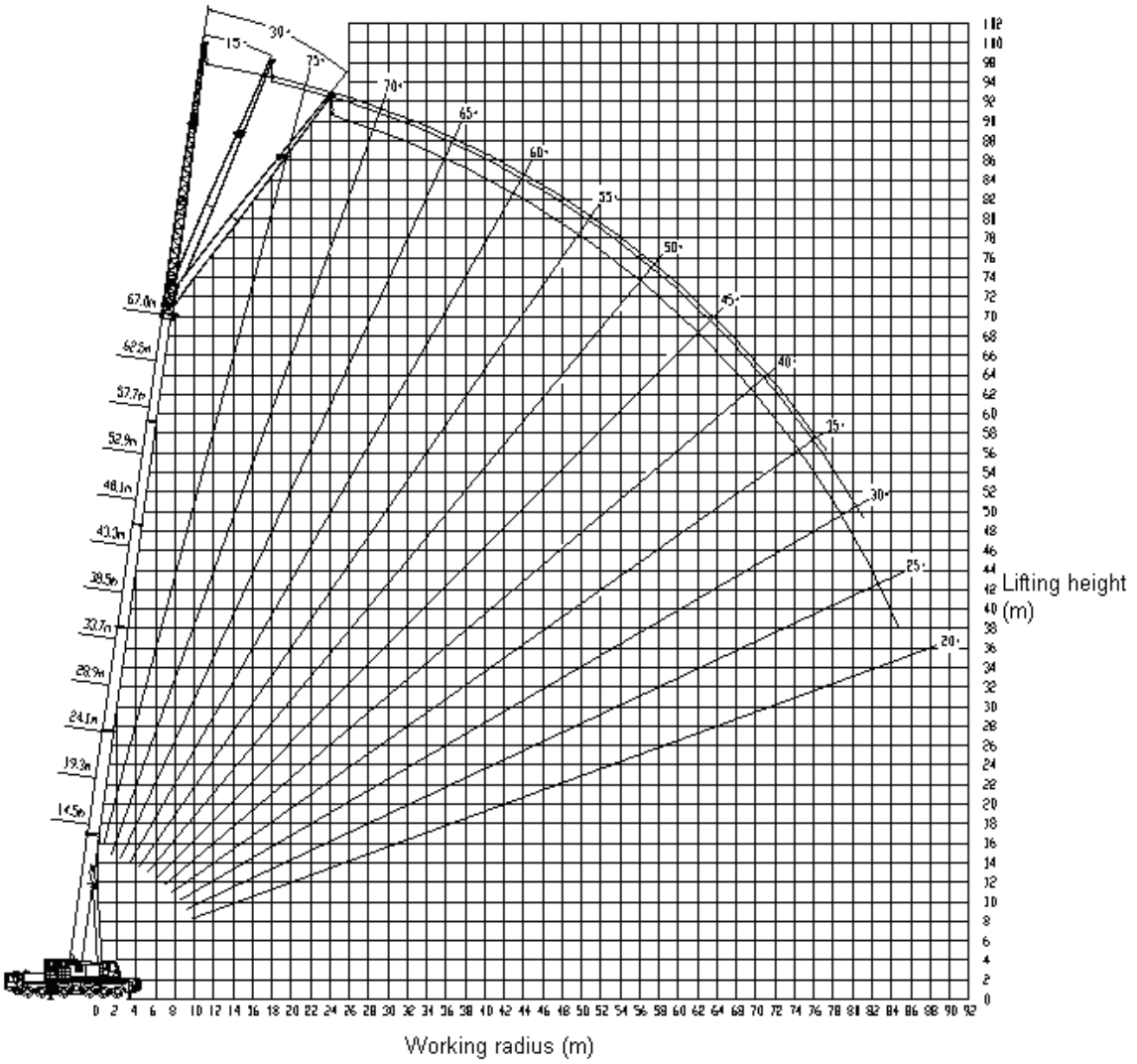
2.4.2 Telescopic boom + 12 m jib



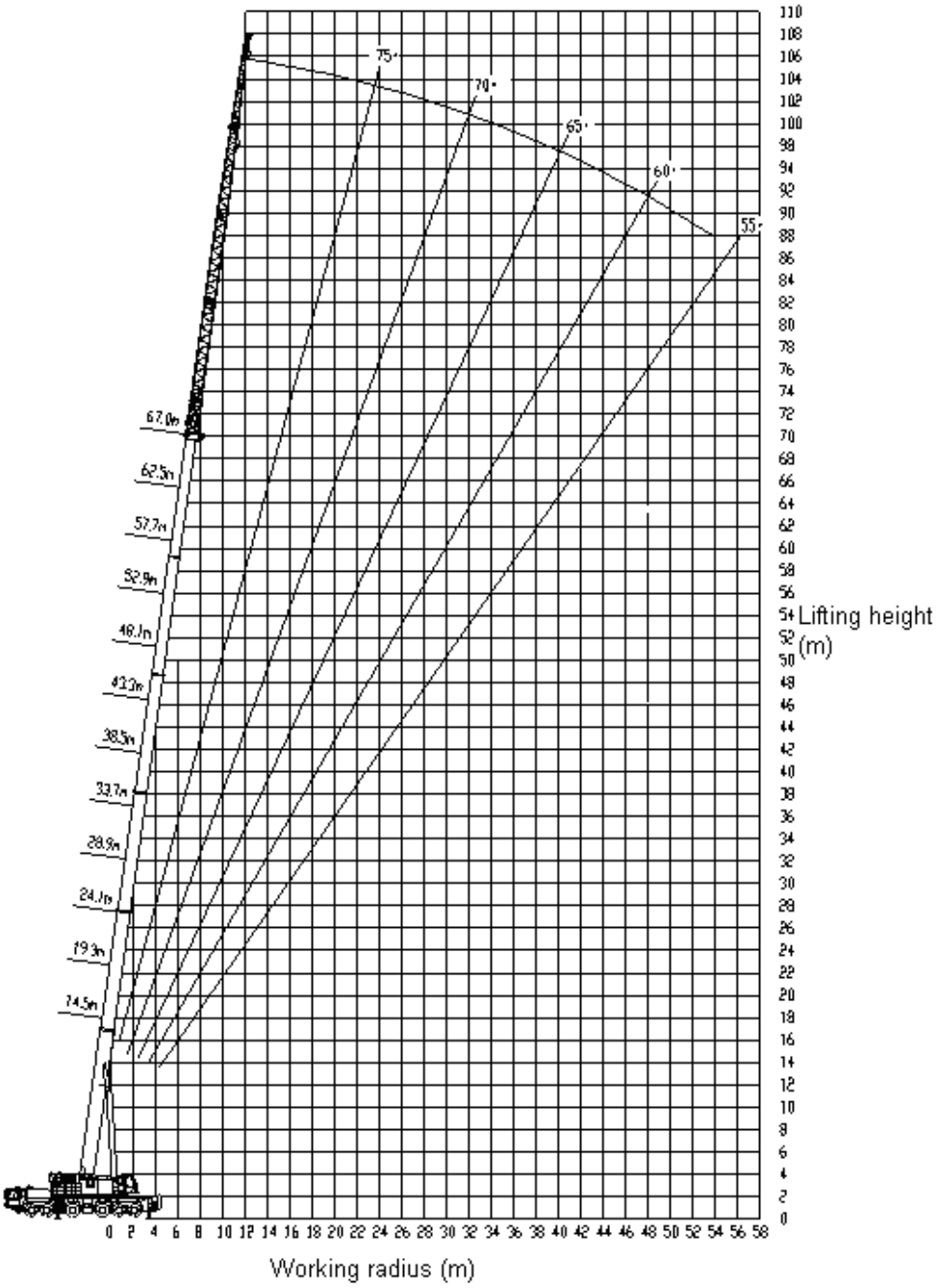
2.4.3 Telescopic boom + 20 m jib



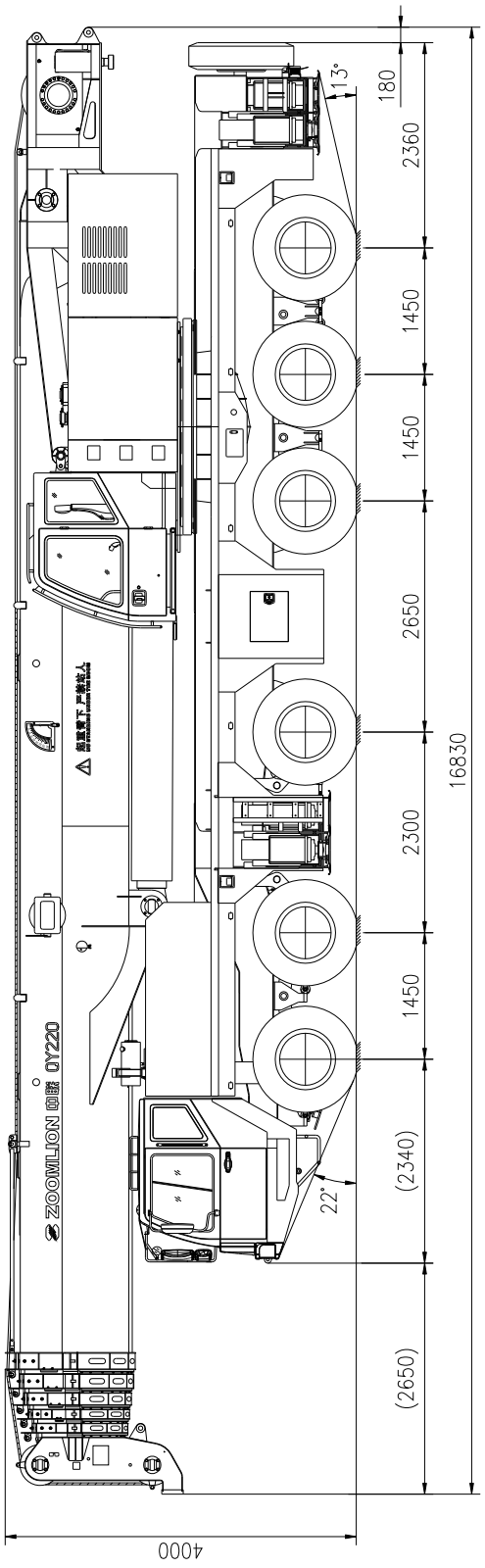
2.4.4 Telescopic boom + 28 m jib



2.4.5 Telescopic boom + 36 m jib



2.5 Overall view (Unit: Metric mm)



3 Components, superstructure

3.1 Main boom and telescoping system

One basic boom and five telescopic sections welded from imported high-tensile structural steel (WELDOX 1100)

Optimal oviform boom profile for the super lifting capacities

Standard number of reeving: 16

Max. number of reeving: 22 (with two additional pulleys)

When you use 16 reevings, the max. lifting capacity is 160 t.

When you use 22 reevings, the max. lifting capacity is 220 t.

In the automatic rapid-cycle telescoping system, all telescopic sections are driven by a telescopic cylinder and pinned mechanically, extendable independently of each other.

3.2 Jib

The jib consists of two jib sections and two jib extensions (one is standard, and the other is optional). The jib sections are reducing and lattice structured and the jib extension is constant and lattice structured.

The jib can be assembled below an angle of 0°, 15° or 30° to the telescopic boom via operating the pull bracket.

The jib cannot be attached with the vehicle during driving.

Jib variants: 12 m, 20 m, 28 m, 36 m

3.3 Slewing table

Torsionally rigid steel construction welded from high-tensile steel (δs = 960 MPa), providing superior load bearing capacity

The optimized design of 3 articulated points, making the slewing table in a novel style and offering reasonable stress distribution

The engine hood of a human-based layout is in beautiful figure.

The securing device installed in the front of the slewing table can prevent the superstructure from slewing during driving.

3.4 Rooster sheave

It is secured at the outside of the boom head when it is not used. It can be rotated around the shaft and pinned onto the boom head when it is used. This option is set up for rapid hoists over the boom head to improve the work efficiency when the loads are light.

3.5 Derricking gear

One front-mounted hydraulic cylinder with balancing valve, providing the boom with smooth derricking movements from -0.5° to 82°

3.6 Slewing gear

Two slewing gears, consisting of hydraulic motor and planetary reducer

Triple-roller slewing bearing provides big output torque and smooth slewing.

3.7 Hoist gear

Hydraulic motor + planetary reducer

Main and auxiliary winches can be operated independently or simultaneously.

The models of reducers for main and auxiliary winches are the same. The main hoist gear is driven by a variable motor and the auxiliary hoist gear is driven by a constant motor.

A hoisting limit swith is installed on the main winch.

Torsion-resistant high-tensile main / auxiliary hoist rope

Rope diameter: φ23 mm

3.8 Main and auxiliary hooks

4 main hooks

The maximum lifting capacities in various reevings: 25 tons (optional), 50 tons, 130 tons, 220 tons (optional)

Hooks 130 t and 220 t are ramshorn hooks and hooks 25 t and 50 t are straight shank hooks with one point.

Rotatable auxiliary hook (1 reeving): 12 ton, with hook latch

3.9 Operator's cab

New generation V-series operator's cab

All-steel thin-wall steel construction, tiltable backwards for 20° to broaden the operator's field of vision

Comfortable furnishing, ergonomically arranged instrumentation and with air conditioning & cab heater.

3.10 Outriggers

H-type outriggers, hydraulically extendable into horizontal and vertical directions

Two-stage sliding beams extendable (fully or intermediately) simultaneously via one singe-stage telescoping cylinder and wire ropes.

Sliding beams in box-shaped sections are welded from high-tensile steel (δs = 960 MPa).

A support control unit is attached to both sides of the vehicle for controlling the 4 outriggers to extend and retract simultaneously or independently.

With sliding beam illumination, support control unit illumination and electronic inclinometer (on the support control units)

The 5^{th} outrigger installed beneath the driver's cab, providing the crane with 360° unlimited slewing.

3.11 Hydraulic system

The superstructure is electro-hydraulic proportional controlled with computer system, providing comfortable operation, accurate micro-positioning performance and simultaneous movements.

Open / closed variable system offers little hydraulic pressure loss, high work efficiency, accurate movements, stable & reliable work and stepless speed regulation.

In addition, this crane is also of such functions as counterweight self-handling, and operator's cab tilting angle regulation, providing stable brake performance and high system reliability.

3.12 Electrical system

The data bus technology effectively decreases the uses of cables and connections for improving the system reliability and the convenience of maintenance.

This system is of such functions as engine load limit control and RPM limit control.

The computer system is used to monitor the crane movements and display the relevant parameters in real time for analysis and treatment. It is also of self-diagnosis function.

Electron accelerator, easy for operation

3.13 Safety devices

This crane is equipped with an automatic load moment limiter whose display and warning devices are all fitted in the operator's cab.

If the actual load reaches 90% of the rated one, the warning light lights up and buzzer sends out slow acoustic warning.

If the actual load approaches 100% of the rated one, the warning light lights up, buzzer sends out fast acoustic warning and all dangerous crane movements are switched off.

The basic parameters, such as moment ratio, boom angle, boom length, working radius, actual lifting capacity, rated lifting capacity and maximum lifting height, will be displayed on the digital LCD.

This crane is also equipped with the following safety devices to ensure the crane safety:

a) Boom angle indicator

b) Hoisting limit switch

c) Hook latch

d) Lowering limit switch

e) Fault self-diagnostic system

f) Overpressure protection device for the 5^{th} outrigger

g) Bidirectional hydraulic lock

h) Balancing valve

i) Relief valve

3.14 Engine

6-cylinder in-line diesel, manufactured by Weichai, turbo-charged, intercooled (air – air), conforming to EURO III Standards

Rated power: 199 KW at 2300 rpm

Maximum output torque: 1000 Nm at 1200 – 1600 rpm

3.15 Air conditioning and cab heater

Both the driver's cab and operator's cab are equipped with special air conditioning and cab heater for vehicle.

3.16 Counterweight

Underslung self-handled multivariable counterweight system in a total weight of of 75 t

Counterweight variants of 0 t, 13 t, 28 t, 43 t, 60 t and 75 t, thus for a considerable application spectrum

Movable counterweight plates can be assembled and disassembled by the counterweight handler on the tail of slewing table.

3.17 Central lubricating system

All the lubricating points are automatically supplied with the correct grease quantity.

4 Specifications, chassis

Chassis	Model			ZLJ5664	Code: ZLJ5664V3
	Type			II	
	Engine	Model		OM502LA	
		Rated power	kW/r/min	390 / 1800	
		Max. output torque	N.m/r/min	2400 / 1080	
	Manufacturer			Zoomlion Heavy Industry Science And Technology Co., Ltd.	

For detailed information, please refer to *Technical Specifications, Special Purpose Chassis for Truck Crane*.

Appendix

Table of main purchased parts

Ser. No.	Description	Manufacturer	Remarks
1	Operator's cab assy.	HuBei QiXing Vehicle-Body Limited Company	
2	Engine, superstructure	Weichai Power Co., Ltd.	
3	High-pressure variable plunger pump units	Beijing Hylet Co., Ltd.	
5	Slewing reducer	Shanghai Bosch Rexroth Hydraulics and Automation Ltd.	
6	Slewing motor	Shanghai Bosch Rexroth Hydraulics and Automation Ltd.	
8	Reducer, main / auxiliary winch	Dinamic International Trading (Shanghai) Co., Ltd. / ZOLLERN (Tianjin) Machinery Co., Ltd.	
9	Variable motor, main / auxiliary winch	Beijing Hylet Co., Ltd.	
11	Telescoping system assy.	Chengdu Chenggang Hydraulic Equipment Manufacturing Limited Company	
12	Derricking cylinder	Hunan Teli Hydraulic Co., Ltd.	
13	Horizontal cylinder	Hunan Teli Hydraulic Co., Ltd.	
14	Vertical cylinder	Hunan Teli Hydraulic Co., Ltd.	
15	Main valve	Bucher Hydraulics Remscheid GMBH (Germany)	
16	Balancing valve, telescoping system	Bucher Hydraulics Remscheid GMBH (Germany)	
17	Balancing valve, derricking gear	Bucher Hydraulics Remscheid GMBH (Germany)	
18	Balancing valve, hoist gear	Bucher Hydraulics Remscheid GMBH (Germany)	
19	Electro-hydraulic proportional valve block II	HAWE Oil-Hydraulic Technology (Shanghai) Co., Ltd.	
20	Electro-hydraulic proportional valve block I	Bucher Hydraulics Remscheid GMBH (Germany)	
21	Load moment limiter	Hirschmann Electronics (Shanghai) Co., Ltd.	

⚠ NOTE

The equipment fitted in the crane is subject to changes due to design improvements or other reasons. Therefore, the above table is for reference only.