

The Zoomlion logo consists of a green parallelogram with the word "ZOOMLION" in white, bold, uppercase letters.

ZOOMLION

ZOOMLION ZTC1100V653-1 TRUCK CRANE

TECHNICAL SPECIFICATIONS

GQ06313227012000EN

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1 Product characteristics

ZOOMLION ZTC1100V653-1 truck crane, which integrates our many years' experience in designing and manufacturing mobile cranes with advanced technology, is a new-generation and high-performance product developed to meet the market demands. Its performances, such as lifting height, main boom length, working speed and lifting capacity, have achieved advanced international level.

This product is a truck crane of full range slewing function, telescopic boom sections and electro-hydraulic proportional controlled systems. The crane adopts self-manufactured full-width 4-axle special purpose chassis (8×4 drive, offering convenient and flexible hydraulically powered steering), providing wide vision, spacious cab and luxurious equipment.

The electro-hydraulic proportional directional control valve, variable pump and gear pump system ensure that each executive mechanism makes full use of its working capability. The easy-controlled, flexible, reliable and stepless speed regulated joysticks (L / R) can provide the crane with smooth simultaneous movements between "Spool winches up", "Reel winches off", "Derricking", "Slewing" and "Telescope boom in / out", which greatly improve the crane's working efficiency. The safety devices such as relief valve, balance valve, hydraulic lock and brake valve fitted in hydraulic system prevent the accidents caused by oil line overload and oil pipe ruptures.

The complete lighting systems and the safety devices such as load moment limiter ensure your safety during operation and are convenient for night work.

This crane has a novel style which makes it beautiful in figure, in form and in color.

2 Specifications, complete vehicle

2.1 Product model

Model in engineering industry: ZTC1100V6-1

Product code: ZTC1100V653-1

2.2 Technical data

Item		Value	Remarks
Working performance	Max. rated lifting capacity kg	110000	
	Max. load moment of basic boom kN.m	3557	
	Max. load moment of max. length main boom kN.m	2293	
	Max. lifting height of basic boom m	14.3	
	Max. lifting height of main boom m	61.3	
	Max. lifting height of jib m	79.0	
	Max. lifting height of jib (optional: 9.5 m extension) m	88.4	
Working speeds	Max. hoist rope speed (main winch) m/min	140	At 4th layer of drum
	Max. hoist rope speed (auxiliary winch) m/min	140	At 4th layer of drum
	Boom derricking up time s	65	
	Boom telescoping out time s	650	
	Slewing speed r/min	0 - 1.6	
Driving	Max. driving speed km/h	89	
	Max. gradeability %	49	
	Min. turning diameter m	24	
	Min. ground clearance mm	325	
	Oil consumption per hundred kilometers L	42	
Mass	Deadweight in driving condition kg	50000	
	Complete vehicle kerb mass kg	49870	
	Front axle load kg	24000	
	Rear axle load kg	26000	
Dimensions	Overall dimensions (L×W×H) mm	15000×3000×3950	
	Longitudinal distance between outriggers m	6.71	
	Transversal distance between outriggers m	Completely extended: 8.4	Intermediately extended: 5.8
	Tail slewing Radius mm	4420	
	Main boom length m	12.8-60.5	
	Boom angle °	-1 – 80	
	Jib length m	10.4, 17.5	
	Jib angle °	0, 15, 30	
	Extension length m	9.5	Optional

	Extension angle	°	0	
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2.3 Rated lifting capacity table

This crane is provided with several sheets of rated lifting capacity tables. The operator should select proper rated lifting load referring to resp. lifting capacity tables according to actual working conditions.

1. When the rated capacity $\leq 60t$, a 60 t hook should be used;
2. When $60t < \text{rated capacity} \leq 70t$, a 70 t hook should be used;
3. When $70t < \text{rated capacity} \leq 80t$, a 70 t hook should be used;
4. When the rated capacity $> 80t$, a 90 t hook should be used;
5. For the rated capacities marked with*, the reeving number should be 13 and a special device should be installed.
6. The rated capacities marked with ** are nominal values.

Table 1 Rated capacity chart with boom only

Unit: t

Outriggers fully extended to 8.4m, 23.5t counterweight, over side or rear working area														
Working Radius (m)		Boom length (m)										Working Radius (m)		
		12.8★	17.2	17.2	17.2	17.2★		21.6	21.6	21.6	21.6			21.6★
2.5		110.0**											2.5	
3.0		100.0*	39.5	75.0	80.0	80.0		27.0	40.0	68.0	68.0	68.0	3.0	
3.5		80.0	37.0	71.0	75.0	75.0		26.0	39.0	67.5	67.5	67.5	3.5	
4.0		78.0	35.5	68.0	73.0	73.0		25.0	37.0	67.0	67.0	67.0	4.0	
4.5		74.0	32.0	63.0	70.0	70.0		23.5	36.0	66.0	66.0	66.0	4.5	
5.0		70.0	30.0	60.0	67.0	67.0		22.5	34.0	63.5	63.5	63.5	5.0	
6.0		60.5	28.0	53.0	59.0	59.0		20.5	31.5	56.0	56.0	56.0	6.0	
7.0		48.5	26.0	47.0	49.5	49.5		18.5	30.0	49.0	49.0	49.0	7.0	
8.0		42.0	24.5	43.0	43.5	43.5		17.0	28.5	43.5	43.5	43.5	8.0	
9.0		36.5	23.0	39.0	37.0	37.0		15.5	27.0	38.0	37.0	37.0	9.0	
10.0			22.0	35.6	33.0	33.0		14.5	25.0	34.0	33.0	33.0	10.0	
11.0			20.5	31.5	30.0	30.0		13.7	24.0	31.0	30.0	29.5	11.0	
12.0			19.5	28.5	28.0	27.0		12.8	23.0	28.5	28.0	27.0	12.0	
14.0								11.4	19.8	23.0	22.0	20.5	14.0	
16.0								10.3	18.5	19.0	18.0	16.5	16.0	
Reeving		12										Reeving		
Hook		60t										Hook		
Telescoping mode	I	1	1	1	1	1		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	1	2		1	1	1	2	2	II	
	III	1	1	1	2	1		1	1	2	2	1	III	
	IV	1	1	2	1	1		1	2	2	1	1	IV	
	V	1	2	1	1	1		3	2	1	1	1	V	

Table 2 Rated capacity chart with boom only

Unit: t

Outriggers fully extended to 8.4m, 23.5t counterweight, over side or rear working area														
Working radius (m)		Boom length (m)											Working radius (m)	
		26.0	26.0	26.0	26.0	26.0★		30.4	30.4	30.4	30.4	30.4★		
3.0													3.0	
3.5													3.5	
4.0		27.0	30.0	40.0	61.0	61.0							4.0	
4.5		26.0	28.5	39.0	60.0	60.0							4.5	
5.0		25.0	27.0	38.0	58.0	58.0		23.5	29.0	36.0	40.0	54.0	5.0	
6.0		22.5	24.5	35.0	53.0	53.0		21.5	27.0	33.0	38.0	50.0	6.0	
7.0		20.5	22.0	33.0	48.0	48.0		19.5	24.5	30.0	36.0	47.0	7.0	
8.0		19.0	20.0	31.0	43.0	43.0		18.0	22.8	27.5	34.0	43.0	8.0	
9.0		17.5	18.5	29.0	38.0	38.0		16.5	21.0	25.0	32.0	39.0	9.0	
10.0		16.6	17.0	28.0	35.0	33.5		15.2	19.5	23.3	31.0	34.0	10.0	
11.0		15.6	16.0	26.5	31.5	30.0		14.2	18.3	21.7	30.0	30.5	11.0	
12.0		14.7	15.0	25.5	28.5	27.0		13.2	17.1	20.2	28.5	27.5	12.0	
14.0		13.2	13.2	23.5	22.5	21.0		11.5	15.1	17.8	24.3	22.2	14.0	
16.0		12.0	11.8	19.8	18.6	17.3		10.2	13.5	15.8	19.6	18.0	16.0	
18.0		10.8	10.6	16.4	15.3	14.0		9.2	12.3	14.2	16.3	14.8	18.0	
20.0		9.8	9.6	13.8	12.7	11.4		8.4	11.2	13.0	13.6	12.2	20.0	
22.0								7.6	10.3	11.8	11.6	10.2	22.0	
24.0								7.0	9.5	10.2	10.0	8.6	24.0	
Reeving		10						9					Reeving	
Hook		60t											Hook	
Telescoping mode	I	1	1	1	1	2		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	2	2		1	1	1	2	2	II	
	III	1	1	2	2	2		1	2	3	2	2	III	
	IV	2	3	2	2	1		3	3	2	2	2	IV	
	V	3	2	2	1	1		3	2	2	2	1	V	

Table 3 Rated capacity chart with boom only

Unit: t

Outriggers fully extended to 8.4m, 23.5t counterweight, over side or rear working area														
Working radius (m)		Boom length (m)										Working radius (m)		
		34.8	34.8	34.8	34.8	34.8★		39.2	39.2	39.2	39.2			39.2★
3.0													3.0	
3.5													3.5	
4.0													4.0	
4.5													4.5	
5.0													5.0	
6.0		23.0	28.0	32.0	40.0	41.0							6.0	
7.0		21.0	26.5	29.0	36.5	39.0		22.0	27.0	32.0	35.0	35.0	7.0	
8.0		19.5	24.0	27.0	33.0	37.0		20.5	25.0	29.5	34.0	34.0	8.0	
9.0		18.0	22.5	25.0	30.5	35.0		19.0	23.5	27.0	31.0	32.0	9.0	
10.0		16.8	20.8	23.0	28.5	34.0		17.5	22.0	25.5	29.0	30.0	10.0	
11.0		15.7	19.0	21.8	26.5	31.0		16.4	20.5	23.5	27.0	28.0	11.0	
12.0		14.6	18.0	20.5	24.9	28.0		15.4	19.0	22.0	25.5	26.5	12.0	
14.0		13.0	15.8	18.0	21.8	23.0		13.6	16.7	19.3	22.3	23.0	14.0	
16.0		11.5	14.0	16.0	20.2	19.0		12.1	14.9	17.1	18.8	18.5	16.0	
18.0		10.5	12.5	14.5	16.6	15.6		11.0	13.4	15.3	15.5	15.1	18.0	
20.0		9.5	11.3	13.0	13.5	13.0		10.0	12.1	13.5	12.9	12.5	20.0	
22.0		8.8	10.3	11.6	11.4	11.0		9.2	11.0	11.5	10.9	10.5	22.0	
24.0		8.1	9.5	10.0	9.8	9.4		8.5	10.1	10.0	9.3	8.9	24.0	
26.0		7.5	8.8	8.7	8.5	8.1		7.8	9.2	8.6	8.0	7.6	26.0	
28.0		7.0	8.1	7.6	7.4	7.0		7.3	8.1	7.5	6.9	6.5	28.0	
30.0		6.5	7.2	6.8	6.4	6.0		6.8	7.1	6.6	6.0	5.6	30.0	
32.0								6.3	6.2	5.7	5.1	4.7	32.0	
34.0								5.8	5.5	5.0	4.4	4.0	34.0	
Reeving		7						6					Reeving	
Hook		60t										Hook		
Telescoping mode	I	1	1	1	1	2		1	1	1	2	3	I	Telescoping mode
	II	1	1	2	3	2		1	2	3	3	2	II	
	III	2	3	3	2	2		3	3	3	2	2	III	
	IV	3	3	2	2	2		3	3	2	2	2	IV	
	V	3	2	2	2	2		3	2	2	2	2	V	

Table 4 Rated capacity chart with boom only

Unit: t

Outriggers fully extended to 8.4m, 23.5t counterweight, over side or rear working area														
Working radius (m)		Boom length (m)										Working radius (m)		
		43.6	43.6	43.6	43.6	48.0	48.0	48.0★	52.4	52.4★	56.8★			60.5★
3.0													3.0	
3.5													3.5	
4.0													4.0	
4.5													4.5	
5.0													5.0	
6.0													6.0	
7.0													7.0	
8.0													8.0	
9.0		20.0	24.0	27.0	28.0								9.0	
10.0		19.0	22.5	26.0	26.5	19.0	22.5	23.5					10.0	
11.0		18.0	21.0	24.5	25.0	18.5	21.5	22.5					11.0	
12.0		16.8	19.8	23.0	23.5	17.5	20.5	21.0	18.0	19.5			12.0	
14.0		15.0	17.3	20.0	20.5	15.6	18.5	19.0	16.0	17.5	16.2	13.2	14.0	
16.0		13.4	15.3	17.8	18.5	14.0	16.5	17.0	14.8	16.0	14.8	13.1	16.0	
18.0		12.0	13.8	15.7	15.1	12.8	14.8	15.3	13.5	14.7	13.5	12.7	18.0	
20.0		11.0	12.5	13.1	12.5	11.6	13.3	12.8	12.4	13.0	12.2	11.7	20.0	
22.0		10.2	11.3	11.1	10.5	10.5	11.5	10.8	11.6	11.1	11.2	10.5	22.0	
24.0		9.3	10.3	9.5	8.9	9.6	9.8	9.2	10.2	9.5	10.0	9.5	24.0	
26.0		8.5	8.9	8.2	7.6	9.3	8.5	7.8	8.9	8.2	8.9	8.7	26.0	
28.0		8.0	7.8	7.1	6.5	8.4	7.4	6.7	7.8	7.1	7.9	7.7	28.0	
30.0		7.4	6.9	6.2	5.6	7.4	6.6	5.8	7.1	6.1	6.9	6.9	30.0	
32.0		6.6	6.0	5.3	4.7	6.6	5.6	4.9	6.4	5.3	6.0	6.0	32.0	
34.0		5.9	5.3	4.6	4.0	5.8	4.9	4.2	5.7	4.6	5.3	5.3	34.0	
36.0		5.2	4.7	4.0	3.4	5.2	4.3	3.6	5.0	3.9	4.6	4.6	36.0	
38.0		4.7	4.2	3.4	2.8	4.6	3.7	3.0	4.4	3.4	4.0	4.0	38.0	
40.0						4.1	3.2	2.5	3.9	2.9	3.5	3.6	40.0	
42.0						3.5	2.7	2.2	3.5	2.4	3.0	3.1	42.0	
44.0									3.0	2.0	2.6	2.7	44.0	
46.0											2.2	2.3	46.0	
48.0											1.9	2.0	48.0	
50.0											1.5	1.6	50.0	
52.0												1.3	52.0	
Reeving		5				4				3			Reeving	
Hook		60t											Hook	
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I	Telescoping mode
	II	2	3	3	3	3	3	3	3	3	3	4	II	
	III	3	3	3	2	3	3	3	3	3	3	4	III	
	IV	3	3	2	2	3	3	2	3	3	3	4	IV	
	V	3	2	2	2	3	2	2	3	2	3	4	V	

Table 5 Rated capacity chart with boom only

Unit: t

Outriggers fully extended to 8.4m, 15.5t counterweight, over side or rear working area														
Working radius (m)		Boom length (m)										Working radius (m)		
		12.8★	17.2	17.2	17.2	17.2★		21.6	21.6	21.6	21.6			21.6★
2.5		110.0**											2.5	
3.0		100.0*	39.5	75.0	80.0	80.0		27.0	40.0	68.0	68.0	68.0	3.0	
3.5		80.0	37.0	71.0	75.0	75.0		26.0	39.0	67.5	67.5	67.5	3.5	
4.0		78.0	35.5	68.0	73.0	73.0		25.0	37.0	67.0	67.0	67.0	4.0	
4.5		74.0	32.0	63.0	70.0	70.0		23.5	36.0	66.0	66.0	66.0	4.5	
5.0		67.0	30.0	60.0	67.0	67.0		22.5	34.0	63.5	63.5	63.5	5.0	
6.0		56.0	28.0	53.0	56.0	56.0		20.5	31.5	56.0	56.0	56.0	6.0	
7.0		46.0	26.0	47.0	46.5	46.5		18.5	30.0	49.0	47.0	46.0	7.0	
8.0		40.0	24.5	41.5	40.5	40.5		17.0	28.5	41.5	40.0	40.0	8.0	
9.0		33.0	23.0	37.0	35.0	35.0		15.5	27.0	36.0	35.0	35.0	9.0	
10.0			22.0	31.5	31.0	30.0		14.5	25.0	32.5	31.5	30.0	10.0	
11.0			21.0	28.0	27.5	26.5		13.7	24.0	28.0	27.0	25.5	11.0	
12.0			19.5	24.5	24.0	23.0		12.8	23.0	25.0	24.0	22.5	12.0	
14.0								11.4	19.8	19.0	18.0	16.8	14.0	
16.0								10.3	16.0	15.0	14.0	13.0	16.0	
Reeving		12											Reeving	
Hook		60t											Hook	
Telescoping mode	I	1	1	1	1	1		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	1	2		1	1	1	2	2	II	
	III	1	1	1	2	1		1	1	2	2	1	III	
	IV	1	1	2	1	1		1	2	2	1	1	IV	
	V	1	2	1	1	1		3	2	1	1	1	V	

Table 6 Rated capacity chart with boom only

Unit: t

Outriggers fully extended to 8.4m, 15.5t counterweight, over side or rear working area														
Working radius (m)		Boom length (m)										Working radius (m)		
		26.0	26.0	26.0	26.0	26.0★		30.4	30.4	30.4	30.4			30.4★
3.0													3.0	
3.5													3.5	
4.0		27.0	30.0	40.0	61.0	61.0							4.0	
4.5		26.0	28.5	39.0	60.0	60.0							4.5	
5.0		25.0	27.0	38.0	58.0	58.0		23.5	29.0	36.0	40.0	54.0	5.0	
6.0		22.5	24.5	35.0	53.0	53.0		21.5	27.0	33.0	38.0	50.0	6.0	
7.0		20.5	22.0	33.0	48.0	46.0		19.5	24.5	30.0	36.0	47.0	7.0	
8.0		19.0	20.0	31.0	43.0	41.0		18.0	22.8	27.5	34.0	41.0	8.0	
9.0		17.5	18.5	29.0	34.0	34.0		16.5	21.0	25.0	32.0	34.5	9.0	
10.0		16.6	17.0	28.0	32.0	30.5		15.2	19.5	23.3	31.0	31.0	10.0	
11.0		15.6	16.0	26.5	27.0	25.5		14.2	18.3	21.7	29.0	28.0	11.0	
12.0		14.7	15.0	25.5	24.0	22.5		13.2	17.1	20.2	25.5	24.0	12.0	
14.0		13.2	13.2	20.0	19.0	17.5		11.5	15.1	17.8	19.8	18.3	14.0	
16.0		12.0	11.8	16.0	15.0	13.5		10.2	13.5	15.8	15.9	14.4	16.0	
18.0		10.8	10.6	13.3	12.3	10.8		9.2	12.3	13.1	13.0	11.5	18.0	
20.0		9.8	9.6	11.0	10.0	8.5		8.4	11.2	11.1	10.8	9.3	20.0	
22.0								7.6	9.7	9.4	9.1	7.6	22.0	
24.0								7.0	8.3	8.0	7.7	6.2	24.0	
Reeving		10						9					Reeving	
Hook		60t										Hook		
Telescoping mode	I	1	1	1	1	2		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	2	2		1	1	1	2	2	II	
	III	1	1	2	2	2		1	2	3	2	2	III	
	IV	2	3	2	2	1		3	3	2	2	2	IV	
	V	3	2	2	1	1		3	2	2	2	1	V	

Table 7 Rated capacity chart with boom only

Unit: t

Outriggers fully extended to 8.4m, 15.5t counterweight, over side or rear working area														
Working radius (m)		Boom length (m)										Working radius (m)		
		34.8	34.8	34.8	34.8	34.8★		39.2	39.2	39.2	39.2			39.2★
3.0													3.0	
3.5													3.5	
4.0													4.0	
4.5													4.5	
5.0													5.0	
6.0		23.0	28.0	32.0	40.0	41.0							6.0	
7.0		21.0	26.5	29.0	36.5	39.0		22.0	27.0	32.0	35.0	35.0	7.0	
8.0		19.5	24.0	27.0	33.0	37.0		20.5	25.0	29.5	34.0	34.0	8.0	
9.0		18.0	22.5	25.0	30.5	35.0		19.0	23.5	27.0	31.0	32.0	9.0	
10.0		16.8	20.8	23.0	28.5	33.0		17.5	22.0	25.5	29.0	30.0	10.0	
11.0		15.7	19.0	21.8	26.5	29.0		16.4	20.5	23.5	27.0	28.0	11.0	
12.0		14.6	18.0	20.5	24.9	25.0		15.4	19.0	22.0	25.1	24.6	12.0	
14.0		13.0	15.8	18.0	19.9	19.3		13.6	16.7	19.3	19.3	18.8	14.0	
16.0		11.5	14.0	16.0	15.8	15.3		12.1	14.9	16.0	15.2	14.8	16.0	
18.0		10.5	12.5	13.1	12.9	12.4		11.0	13.4	13.0	12.4	11.9	18.0	
20.0		9.5	11.3	11.0	10.7	10.2		10.0	11.3	10.8	10.2	9.7	20.0	
22.0		8.8	9.7	9.2	8.9	8.4		9.2	9.6	9.0	8.4	7.9	22.0	
24.0		8.1	8.3	7.8	7.5	7.0		8.5	8.2	7.6	7.0	6.5	24.0	
26.0		7.5	7.1	6.6	6.3	5.9		7.5	7.0	6.4	5.8	5.4	26.0	
28.0		6.5	6.2	5.7	5.3	4.9		6.6	6.0	5.4	4.8	4.4	28.0	
30.0		5.7	5.4	4.9	4.5	4.1		5.8	5.2	4.6	4.0	3.6	30.0	
32.0								5.1	4.5	3.9	3.3	2.9	32.0	
34.0								4.4	3.8	3.4	2.8	2.4	34.0	
Reeving		7						6					Reeving	
Hook		60t										Hook		
Telescoping mode	I	1	1	1	1	2		1	1	1	2	3	I	Telescoping mode
	II	1	1	2	3	2		1	2	3	3	2	II	
	III	2	3	3	2	2		3	3	3	2	2	III	
	IV	3	3	2	2	2		3	3	2	2	2	IV	
	V	3	2	2	2	2		3	2	2	2	2	V	

Table 8 Rated capacity chart with boom only

Unit: t

Outriggers fully extended to 8.4m, 15.5t counterweight, over side or rear working area														
Working radius (m)		Boom length (m)										Working radius (m)		
		43.6	43.6	43.6	43.6	48.0	48.0	48.0★	52.4	52.4★	56.8★			60.5★
3.0													3.0	
3.5													3.5	
4.0													4.0	
4.5													4.5	
5.0													5.0	
6.0													6.0	
7.0													7.0	
8.0													8.0	
9.0		20.0	24.0	27.0	28.0								9.0	
10.0		19.0	22.5	26.0	26.5	19.0	22.5	23.5					10.0	
11.0		18.0	21.0	24.5	25.0	18.5	21.5	22.5					11.0	
12.0		16.8	19.8	23.0	23.5	17.5	20.5	21.0	18.0	19.5			12.0	
14.0		15.0	17.3	19.5	18.8	15.6	18.5	19.0	16.0	17.5	16.2	13.2	14.0	
16.0		13.4	15.3	15.5	14.6	14.0	16.0	15.0	14.8	15.5	14.8	13.1	16.0	
18.0		12.0	13.3	12.5	11.9	12.8	13.0	12.2	13.5	12.5	13.0	12.7	18.0	
20.0		11.0	11.2	10.3	9.7	11.6	10.7	10.0	11.0	10.3	10.8	10.8	20.0	
22.0		10.0	9.4	8.5	7.9	9.7	8.9	8.2	9.4	8.5	9.0	9.2	22.0	
24.0		8.5	7.9	7.1	6.5	8.4	7.5	6.8	7.9	7.1	7.6	7.7	24.0	
26.0		7.4	6.8	6.0	5.4	7.2	6.3	5.6	6.7	5.9	6.4	6.5	26.0	
28.0		6.4	5.8	5.0	4.4	6.2	5.3	4.6	5.7	4.9	5.4	5.5	28.0	
30.0		5.6	5.0	4.2	3.6	5.3	4.5	3.8	4.9	4.1	4.6	4.7	30.0	
32.0		4.9	4.3	3.5	2.9	4.6	3.8	3.1	4.2	3.4	3.9	4.0	32.0	
34.0		4.2	3.6	2.9	2.4	4.0	3.2	2.5	3.6	2.8	3.3	3.4	34.0	
36.0		3.7	3.1	2.4	1.9	3.4	2.6	2.0	3.0	2.3	2.7	2.8	36.0	
38.0		3.2	2.6	1.9	1.4	3.0	2.2	1.6	2.5	1.8	2.2	2.3	38.0	
40.0						2.5	1.7	1.1	2.1	1.4	1.8	1.9	40.0	
42.0						2.1	1.4	0.9	1.7	1.0	1.4	1.5	42.0	
44.0									1.4		1.1	1.2	44.0	
46.0												0.9	46.0	
48.0													48.0	
50.0													50.0	
52.0													52.0	
Reeving		5				4				3			Reeving	
Hook		60t											Hook	
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I	Telescoping mode
	II	2	3	3	3	3	3	3	3	3	3	4	II	
	III	3	3	3	2	3	3	3	3	3	3	4	III	
	IV	3	3	2	2	3	3	2	3	3	3	4	IV	
	V	3	2	2	2	3	2	2	3	2	3	4	V	

Table 9 Rated capacity chart with boom only

Unit: t

Outriggers fully extended to 8.4m, 7.5t counterweight, over side or rear working area														
Working radius (m)		Boom length (m)										Working radius (m)		
		12.8★	17.2	17.2	17.2	17.2★		21.6	21.6	21.6	21.6			21.6★
2.5		110.0**											2.5	
3.0		100.0*	39.5	75.0	80.0	80.0		27.0	40.0	68.0	68.0	68.0	3.0	
3.5		80.0	37.0	71.0	75.0	75.0		26.0	39.0	67.5	67.5	67.5	3.5	
4.0		78.0	35.5	68.0	73.0	73.0		25.0	37.0	67.0	67.0	67.0	4.0	
4.5		70.0	32.0	63.0	70.0	70.0		23.5	36.0	66.0	66.0	66.0	4.5	
5.0		64.0	30.0	60.0	64.0	64.0		22.5	34.0	63.5	63.5	63.5	5.0	
6.0		52.0	28.0	53.0	52.0	52.0		20.5	31.5	56.0	53.0	52.0	6.0	
7.0		43.0	26.0	43.0	43.0	43.0		18.5	30.0	45.0	45.0	44.0	7.0	
8.0		37.0	24.5	38.0	37.5	36.5		17.0	28.5	39.0	38.0	37.0	8.0	
9.0		30.0	23.0	33.0	32.0	31.0		15.5	27.0	33.5	32.5	30.5	9.0	
10.0			22.0	27.0	26.5	25.5		14.5	25.0	27.5	26.5	25.0	10.0	
11.0			20.5	22.5	22.0	21.0		13.7	24.0	23.0	22.0	20.5	11.0	
12.0			19.5	19.0	18.5	18.0		12.8	20.5	19.6	18.6	17.1	12.0	
14.0								11.4	15.7	14.8	13.8	12.3	14.0	
16.0								10.3	12.2	11.3	10.4	9.0	16.0	
Reeving		12											Reeving	
Hook		60t											Hook	
Telescoping mode	I	1	1	1	1	1		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	1	2		1	1	1	2	2	II	
	III	1	1	1	2	1		1	1	2	2	1	III	
	IV	1	1	2	1	1		1	2	2	1	1	IV	
	V	1	2	1	1	1		3	2	1	1	1	V	

Table 10 Rated capacity chart with boom only

Unit: t

Outriggers fully extended to 8.4m, 7.5t counterweight, over side or rear working area														
Working radius (m)		Boom length (m)											Working radius (m)	
		26.0	26.0	26.0	26.0	26.0★		30.4	30.4	30.4	30.4	30.4★		
3.0													3.0	
3.5													3.5	
4.0		27.0	30.0	40.0	61.0	61.0							4.0	
4.5		26.0	28.5	39.0	60.0	60.0							4.5	
5.0		25.0	27.0	38.0	58.0	58.0		23.5	29.0	36.0	40.0	54.0	5.0	
6.0		22.5	24.5	35.0	53.0	53.0		21.5	27.0	33.0	38.0	50.0	6.0	
7.0		20.5	22.0	33.0	45.0	44.0		19.5	24.5	30.0	36.0	45.0	7.0	
8.0		19.0	20.0	31.0	39.0	38.0		18.0	22.8	27.5	34.0	39.0	8.0	
9.0		17.5	18.5	29.0	33.0	31.0		16.5	21.0	25.0	32.0	32.0	9.0	
10.0		16.6	17.0	28.0	27.0	25.0		15.2	19.5	23.3	28.5	27.0	10.0	
11.0		15.6	16.0	24.0	23.0	21.0		14.2	18.3	21.7	24.0	22.5	11.0	
12.0		14.7	15.0	20.7	19.5	18.0		13.2	17.1	20.2	20.5	19.0	12.0	
14.0		13.2	13.2	15.8	14.6	13.1		11.5	15.1	16.0	15.5	14.0	14.0	
16.0		12.0	11.8	12.3	11.2	9.7		10.2	12.5	12.5	12.0	10.5	16.0	
18.0		10.4	10.1	9.9	8.8	7.3		9.2	10.4	10.0	9.6	8.1	18.0	
20.0		8.6	8.3	8.0	7.0	5.5		8.4	8.5	8.1	7.7	6.3	20.0	
22.0								7.6	7.0	6.6	6.3	4.9	22.0	
24.0								6.3	5.8	5.5	5.2	3.8	24.0	
Reeving		10						9					Reeving	
Hook		60t											Hook	
Telescoping mode	I	1	1	1	1	2		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	2	2		1	1	1	2	2	II	
	III	1	1	2	2	2		1	2	3	2	2	III	
	IV	2	3	2	2	1		3	3	2	2	2	IV	
	V	3	2	2	1	1		3	2	2	2	1	V	

Table 11 Rated capacity chart with boom only

Unit: t

Outriggers fully extended to 8.4m, 7.5t counterweight, over side or rear working area														
Working radius (m)		Boom length (m)										Working radius (m)		
		34.8	34.8	34.8	34.8	34.8★		39.2	39.2	39.2	39.2			39.2★
3.0													3.0	
3.5													3.5	
4.0													4.0	
4.5													4.5	
5.0													5.0	
6.0		23.0	28.0	32.0	40.0	41.0							6.0	
7.0		21.0	26.5	29.0	36.5	39.0		22.0	27.0	32.0	35.0	35.0	7.0	
8.0		19.5	24.0	27.0	33.0	37.0		20.5	25.0	29.5	34.0	34.0	8.0	
9.0		18.0	22.5	25.0	30.5	33.0		19.0	23.5	27.0	31.0	32.0	9.0	
10.0		16.8	20.8	23.0	28.5	27.5		17.5	22.0	25.5	27.8	27.0	10.0	
11.0		15.7	19.0	21.8	23.5	23.0		16.4	20.5	23.5	23.3	22.5	11.0	
12.0		14.6	18.0	20.5	20.3	19.8		15.4	19.0	20.7	19.8	19.0	12.0	
14.0		13.0	15.8	15.7	15.4	14.9		13.6	16.2	15.7	14.8	14.3	14.0	
16.0		11.5	12.8	12.3	11.9	11.4		12.1	12.8	12.1	11.4	10.9	16.0	
18.0		10.5	10.4	9.9	9.5	9.0		10.7	10.2	9.5	8.9	8.4	18.0	
20.0		9.0	8.5	8.0	7.6	7.2		9.0	8.4	7.8	7.2	6.7	20.0	
22.0		7.6	7.1	6.6	6.2	5.8		7.5	6.9	6.3	5.7	5.2	22.0	
24.0		6.4	5.9	5.4	5.0	4.6		6.3	5.7	5.1	4.5	4.0	24.0	
26.0		5.3	4.9	4.4	4.0	3.6		5.4	4.8	4.2	3.6	3.1	26.0	
28.0		4.5	4.1	3.7	3.3	2.9		4.5	3.9	3.3	2.8	2.4	28.0	
30.0		3.8	3.4	3.0	2.7	2.3		3.8	3.2	2.7	2.2	1.8	30.0	
32.0								3.2	2.7	2.2	1.7	1.2	32.0	
34.0								2.7	2.2	1.7	1.2		34.0	
Reeving		7						6					Reeving	
Hook		60t											Hook	
Telescoping mode	I	1	1	1	1	2		1	1	1	2	3	I	Telescoping mode
	II	1	1	2	3	2		1	2	3	3	2	II	
	III	2	3	3	2	2		3	3	3	2	2	III	
	IV	3	3	2	2	2		3	3	2	2	2	IV	
	V	3	2	2	2	2		3	2	2	2	2	V	

Table 12 Rated capacity chart with boom only

Unit: t

Outriggers fully extended to 8.4m, 7.5t counterweight, over side or rear working area															
Working radius (m)		Boom length (m)											Working radius (m)		
		43.6	43.6	43.6	43.6	48.0	48.0	48.0★	52.4	52.4★	56.8★	60.5★			
3.0														3.0	
3.5														3.5	
4.0														4.0	
4.5														4.5	
5.0														5.0	
6.0														6.0	
7.0														7.0	
8.0														8.0	
9.0		20.0	24.0	27.0	28.0									9.0	
10.0		19.0	22.5	26.0	26.5	19.0	22.5	23.5						10.0	
11.0		18.0	21.0	23.5	22.5	18.5	21.5	22.5						11.0	
12.0		16.8	19.8	20.0	19.0	17.5	20.5	19.5	18.0	19.5				12.0	
14.0		15.0	16.0	15.1	14.4	15.6	15.6	14.7	16.0	15.0	15.7	13.2		14.0	
16.0		13.0	12.6	11.6	10.9	13.0	12.0	11.2	12.6	11.6	12.2	12.3		16.0	
18.0		10.6	10.0	9.1	8.5	10.5	9.5	8.7	10.0	9.1	9.6	9.7		18.0	
20.0		8.7	8.2	7.3	6.7	8.6	7.7	6.9	8.1	7.3	7.7	7.8		20.0	
22.0		7.2	6.7	5.8	5.2	7.1	6.2	5.4	6.6	5.8	6.3	6.4		22.0	
24.0		6.0	5.5	4.7	4.1	5.9	5.0	4.3	5.5	4.7	5.1	5.2		24.0	
26.0		5.0	4.5	3.7	3.1	5.0	4.1	3.4	4.5	3.7	4.1	4.2		26.0	
28.0		4.3	3.8	3.0	2.4	4.2	3.3	2.6	3.7	2.9	3.3	3.4		28.0	
30.0		3.6	3.1	2.3	1.7	3.5	2.6	1.9	3.0	2.3	2.7	2.8		30.0	
32.0		3.0	2.5	1.7	1.2	2.9	2.0	1.4	2.4	1.7	2.1	2.2		32.0	
34.0		2.5	2.0	1.2		2.4	1.6	1.0	1.9	1.2	1.6	1.7		34.0	
36.0		2.1	1.6	0.9		1.9	1.1		1.5	0.9	1.2	1.3		36.0	
38.0		1.7	1.2			1.5			1.1			0.9		38.0	
40.0						1.2			0.9					40.0	
42.0						1.0								42.0	
44.0														44.0	
46.0														46.0	
48.0														48.0	
50.0														50.0	
52.0														52.0	
Reeving		5				4					3			Reeving	
Hook		60t												Hook	
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I	Telescoping mode	
	II	2	3	3	3	3	3	3	3	3	3	4	II		
	III	3	3	3	2	3	3	3	3	3	3	4	III		
	IV	3	3	2	2	3	3	2	3	3	3	4	IV		
	V	3	2	2	2	3	2	2	3	2	3	4	V		

Table 13 Rated capacity chart with boom only

Unit: t

Outriggers fully extended to 8.4m, 1.5t counterweight, over side or rear working area														
Working radius (m)		Boom length (m)										Working radius (m)		
		12.8★	17.2	17.2	17.2	17.2★		21.6	21.6	21.6	21.6			21.6★
2.5		110.0**											2.5	
3.0		100.0*	39.5	75.0	80.0	80.0		27.0	40.0	68.0	68.0	68.0	3.0	
3.5		80.0	37.0	71.0	75.0	75.0		26.0	39.0	67.5	67.5	67.5	3.5	
4.0		75.0	35.5	68.0	73.0	73.0		25.0	37.0	67.0	67.0	67.0	4.0	
4.5		66.0	32.0	63.0	66.0	66.0		23.5	36.0	66.0	66.0	66.0	4.5	
5.0		60.0	30.0	60.0	60.0	60.0		22.5	34.0	63.5	63.5	63.5	5.0	
6.0		48.0	28.0	48.0	48.0	48.0		20.5	31.5	50.0	50.0	50.0	6.0	
7.0		39.0	26.0	41.0	40.0	39.0		18.5	30.0	44.0	43.5	41.0	7.0	
8.0		30.0	24.5	32.5	32.0	31.0		17.0	28.5	33.0	32.0	30.0	8.0	
9.0		23.5	23.0	25.5	25.0	24.0		15.5	27.0	26.0	25.0	23.5	9.0	
10.0			21.5	21.0	20.5	19.5		14.5	22.5	21.5	20.5	18.8	10.0	
11.0			17.5	17.0	16.5	15.5		13.7	18.8	17.8	16.6	15.0	11.0	
12.0			14.5	14.0	13.5	12.5		12.8	15.8	14.8	13.7	12.1	12.0	
14.0								11.4	11.5	10.7	9.6	8.1	14.0	
16.0								9.0	8.7	7.9	7.0	5.5	16.0	
Reeving		12											Reeving	
Hook		60t											Hook	
Telescoping mode	I	1	1	1	1	1		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	1	2		1	1	1	2	2	II	
	III	1	1	1	2	1		1	1	2	2	1	III	
	IV	1	1	2	1	1		1	2	2	1	1	IV	
	V	1	2	1	1	1		3	2	1	1	1	V	

Table 14 Rated capacity chart with boom only

Unit: t

Outriggers fully extended to 8.4m, 1.5t counterweight, over side or rear working area														
Working radius (m)		Boom length (m)										Working radius (m)		
		26.0	26.0	26.0	26.0	26.0★		30.4	30.4	30.4	30.4			30.4★
3.0													3.0	
3.5													3.5	
4.0		27.0	30.0	40.0	61.0	61.0							4.0	
4.5		26.0	28.5	39.0	60.0	60.0							4.5	
5.0		25.0	27.0	38.0	58.0	58.0		23.5	29.0	36.0	40.0	54.0	5.0	
6.0		22.5	24.5	35.0	53.0	51.0		21.5	27.0	33.0	38.0	48.0	6.0	
7.0		20.5	22.0	33.0	45.0	42.0		19.5	24.5	30.0	36.0	42.0	7.0	
8.0		19.0	20.0	31.0	33.0	31.0		18.0	22.8	27.5	34.0	32.0	8.0	
9.0		17.5	18.5	27.5	26.5	24.5		16.5	21.0	25.0	27.5	25.5	9.0	
10.0		16.6	17.0	23.0	21.5	19.7		15.2	19.5	23.3	22.5	20.5	10.0	
11.0		15.6	16.0	19.0	17.7	15.9		14.2	18.3	19.0	18.8	16.8	11.0	
12.0		14.7	15.0	16.0	14.7	13.0		13.2	16.5	16.2	15.7	14.0	12.0	
14.0		12.5	12.0	11.7	10.5	9.0		11.5	12.3	11.9	11.5	9.9	14.0	
16.0		9.6	9.3	8.9	7.8	6.3		10.0	9.5	9.1	8.7	7.1	16.0	
18.0		7.6	7.3	6.9	5.8	4.4		7.9	7.5	7.1	6.7	5.2	18.0	
20.0		6.1	5.8	5.4	4.4	3.0		6.3	5.9	5.5	5.1	3.7	20.0	
22.0								5.2	4.8	4.4	4.0	2.6	22.0	
24.0								4.2	3.8	3.4	3.0	1.7	24.0	
Reeving		10						9					Reeving	
Hook		60t										Hook		
Telescoping mode	I	1	1	1	1	2		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	2	2		1	1	1	2	2	II	
	III	1	1	2	2	2		1	2	3	2	2	III	
	IV	2	3	2	2	1		3	3	2	2	2	IV	
	V	3	2	2	1	1		3	2	2	2	1	V	

Table 15 Rated capacity chart with boom only

Unit: t

Outriggers fully extended to 8.4m, 1.5t counterweight, over side or rear working area														
Working radius (m)		Boom length (m)										Working radius (m)		
		34.8	34.8	34.8	34.8	34.8★		39.2	39.2	39.2	39.2			39.2★
3.0													3.0	
3.5													3.5	
4.0													4.0	
4.5													4.5	
5.0													5.0	
6.0		23.0	28.0	32.0	40.0	41.0							6.0	
7.0		21.0	26.5	29.0	36.5	39.0		22.0	27.0	32.0	35.0	35.0	7.0	
8.0		19.5	24.0	27.0	33.0	33.0		20.5	25.0	29.5	32.0	31.0	8.0	
9.0		18.0	22.5	25.0	27.0	26.5		19.0	23.5	27.0	26.0	25.5	9.0	
10.0		16.8	20.8	22.5	22.0	21.5		17.5	22.0	22.5	21.5	20.5	10.0	
11.0		15.7	19.0	19.0	18.5	18.0		16.4	19.5	18.9	17.9	17.4	11.0	
12.0		14.6	16.5	16.0	15.5	15.0		15.4	16.5	15.7	14.9	14.4	12.0	
14.0		13.0	12.3	11.6	11.2	10.8		12.8	12.1	11.4	10.7	10.2	14.0	
16.0		10.0	9.5	8.8	8.4	8.0		10.0	9.3	8.6	7.9	7.4	16.0	
18.0		8.0	7.4	6.8	6.4	6.0		8.0	7.3	6.6	5.9	5.5	18.0	
20.0		6.5	5.9	5.3	4.9	4.5		6.5	5.8	5.2	4.6	4.2	20.0	
22.0		5.3	4.7	4.2	3.8	3.4		5.2	4.5	3.9	3.3	2.9	22.0	
24.0		4.3	3.8	3.3	2.9	2.6		4.2	3.6	3.0	2.4	2.0	24.0	
26.0		3.5	3.0	2.5	2.2	1.9		3.5	2.9	2.3	1.7	1.3	26.0	
28.0		2.9	2.4	1.9	1.5	1.2		2.8	2.2	1.7	1.1		28.0	
30.0								2.3	1.6	1.2			30.0	
32.0								1.8	1.2				32.0	
34.0								1.4					34.0	
Reeving		7						6					Reeving	
Hook		60t										Hook		
Telescoping mode	I	1	1	1	1	2		1	1	1	2	3	I	Telescoping mode
	II	1	1	2	3	2		1	2	3	3	2	II	
	III	2	3	3	2	2		3	3	3	2	2	III	
	IV	3	3	2	2	2		3	3	2	2	2	IV	
	V	3	2	2	2	2		3	2	2	2	2	V	

Table 16 Rated capacity chart with boom only

Unit: t

Outriggers fully extended to 8.4m, 1.5t counterweight, over side or rear working area														
Working radius (m)	Boom length (m)											Working radius (m)		
	43.6	43.6	43.6	43.6	48.0	48.0	48.0★	52.4	52.4★	56.8★	60.5★			
3.0												3.0		
3.5												3.5		
4.0												4.0		
4.5												4.5		
5.0												5.0		
6.0												6.0		
7.0												7.0		
8.0												8.0		
9.0	20.0	24.0	25.5	24.5								9.0		
10.0	19.0	22.5	21.0	20.0	19.0	21.0	20.0					10.0		
11.0	18.0	19.0	18.0	17.2	18.0	18.0	17.0					11.0		
12.0	16.8	16.3	15.2	14.4	16.6	15.6	14.6	15.5	14.8			12.0		
14.0	12.5	12.0	11.0	10.2	12.5	11.4	10.5	12.0	11.0	11.2	11.3	14.0		
16.0	9.8	9.0	8.2	7.4	9.6	8.6	7.7	9.1	8.1	8.7	8.8	16.0		
18.0	7.8	7.0	6.2	5.5	7.5	6.5	5.7	7.0	6.1	6.6	6.7	18.0		
20.0	6.2	5.4	4.7	4.0	6.0	5.0	4.3	5.5	4.6	5.1	5.2	20.0		
22.0	5.0	4.3	3.6	2.9	4.8	3.9	3.2	4.3	3.5	3.9	4.0	22.0		
24.0	4.0	3.3	2.6	2.0	3.8	2.9	2.2	3.4	2.6	3.0	3.1	24.0		
26.0	3.3	2.6	1.9	1.3	3.1	2.2	1.5	2.6	1.8	2.2	2.3	26.0		
28.0	2.7	2.0	1.3		2.4	1.6	1.0	2.0	1.2	1.6	1.7	28.0		
30.0	2.1	1.5			1.9	1.1		1.4		1.1	1.2	30.0		
32.0	1.6	1.0			1.4			1.0				32.0		
34.0	1.2				1.0							34.0		
36.0	0.9											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		
Reeving	5				4					3			Reeving	
Hook	60t											Hook		
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I	Telescoping mode
	II	2	3	3	3	3	3	3	3	3	3	4	II	
	III	3	3	3	2	3	3	3	3	3	3	4	III	
	IV	3	3	2	2	3	3	2	3	3	3	4	IV	
	V	3	2	2	2	3	2	2	3	2	3	4	V	

Table 17 Rated capacity chart with boom only

Unit: t

Outriggers intermeidately extended to 5.8m, 23.5t counterweight, over side or rear working area														
Working radius (m)		Boom length (m)										Working radius (m)		
		12.8★	17.2	17.2	17.2	17.2★		21.6	21.6	21.6	21.6			21.6★
3.0		80.0	39.5	75.0	80.0	80.0		27.0	40.0	68.0	68.0	68.0	3.0	
3.5		80.0	37.0	71.0	75.0	75.0		26.0	39.0	67.5	67.5	67.5	3.5	
4.0		78.0	35.5	68.0	73.0	73.0		25.0	37.0	67.0	67.0	67.0	4.0	
4.5		70.0	32.0	63.0	70.0	70.0		23.5	36.0	66.0	66.0	66.0	4.5	
5.0		63.0	30.0	60.0	63.0	63.0		22.5	34.0	63.0	63.0	62.0	5.0	
6.0		52.0	28.0	52.0	52.0	52.0		20.5	31.5	52.0	52.0	52.0	6.0	
7.0		42.0	26.0	42.0	42.0	42.0		18.5	30.0	42.0	42.0	42.0	7.0	
8.0		36.0	24.5	37.0	36.5	36.0		17.0	28.5	37.0	37.0	36.0	8.0	
9.0		29.0	23.0	30.0	29.5	29.0		15.5	27.0	30.5	30.5	29.5	9.0	
10.0			22.0	25.5	25.0	24.5		14.5	25.0	26.5	26.0	24.5	10.0	
11.0			20.5	22.5	22.0	21.0		13.7	23.5	23.0	22.0	20.5	11.0	
12.0			19.5	19.5	19.0	18.0		12.8	21.0	20.0	19.0	17.5	12.0	
14.0								11.4	16.0	15.5	14.5	13.0	14.0	
16.0								10.3	13.0	12.3	11.3	10.0	16.0	
Reeving		12											Reeving	
Hook		60t											Hook	
Telescoping mode	I	1	1	1	1	1		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	1	2		1	1	1	2	2	II	
	III	1	1	1	2	1		1	1	2	2	1	III	
	IV	1	1	2	1	1		1	2	2	1	1	IV	
	V	1	2	1	1	1		3	2	1	1	1	V	

Table 18 Rated capacity chart with boom only

Unit: t

Outriggers intermeidately extended to 5.8m, 23.5t counterweight, over side or rear working area														
Working radius (m)		Boom length (m)										Working radius (m)		
		26.0	26.0	26.0	26.0	26.0★		30.4	30.4	30.4	30.4			30.4★
3.0													3.0	
3.5													3.5	
4.0		27.0	30.0	40.0	61.0	61.0							4.0	
4.5		26.0	28.5	39.0	60.0	60.0							4.5	
5.0		25.0	27.0	38.0	58.0	56.0		23.5	29.0	36.0	40.0	54.0	5.0	
6.0		22.5	24.5	35.0	52.0	51.0		21.5	27.0	33.0	38.0	48.0	6.0	
7.0		20.5	22.0	33.0	43.0	42.0		19.5	24.5	30.0	36.0	43.0	7.0	
8.0		19.0	20.0	31.0	38.0	37.0		18.0	22.8	27.5	34.0	38.0	8.0	
9.0		17.5	18.5	29.0	32.0	30.5		16.5	21.0	25.0	32.0	31.0	9.0	
10.0		16.6	17.0	28.0	27.0	25.5		15.2	19.5	23.3	28.0	26.5	10.0	
11.0		15.6	16.0	24.0	23.0	21.5		14.2	18.3	21.7	24.0	22.5	11.0	
12.0		14.7	15.0	21.0	20.0	18.5		13.2	17.1	20.2	21.0	19.5	12.0	
14.0		13.2	13.2	16.5	15.5	14.0		11.5	15.1	16.5	16.3	14.8	14.0	
16.0		12.0	11.8	13.2	12.2	10.8		10.2	13.5	13.3	13.0	11.6	16.0	
18.0		10.8	10.6	10.8	9.8	8.5		9.2	11.0	10.9	10.6	9.2	18.0	
20.0		9.5	9.2	9.0	8.0	6.7		8.4	9.4	9.1	8.8	7.4	20.0	
22.0								7.6	7.9	7.6	7.3	6.0	22.0	
24.0								7.0	6.7	6.4	6.1	4.8	24.0	
Reeving		10						9					Reeving	
Hook		60t										Hook		
Telescoping mode	I	1	1	1	1	2		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	2	2		1	1	1	2	2	II	
	III	1	1	2	2	2		1	2	3	2	2	III	
	IV	2	3	2	2	1		3	3	2	2	2	IV	
	V	3	2	2	1	1		3	2	2	2	1	V	

Table 19 Rated capacity chart with boom only

Unit: t

Outriggers intermeidately extended to 5.8m, 23.5t counterweight, over side or rear working area														
Working radius (m)		Boom length (m)										Working radius (m)		
		34.8	34.8	34.8	34.8	34.8★		39.2	39.2	39.2	39.2			39.2★
3.0													3.0	
3.5													3.5	
4.0													4.0	
4.5													4.5	
5.0													5.0	
6.0		23.0	28.0	32.0	40.0	41.0							6.0	
7.0		21.0	26.5	29.0	36.5	39.0		22.0	27.0	32.0	35.0	35.0	7.0	
8.0		19.5	24.0	27.0	33.0	37.0		20.5	25.0	29.5	34.0	34.0	8.0	
9.0		18.0	22.5	25.0	30.5	32.0		19.0	23.5	27.0	31.0	31.0	9.0	
10.0		16.8	20.8	23.0	28.0	27.5		17.5	22.0	25.5	27.5	26.5	10.0	
11.0		15.7	19.0	21.8	24.0	23.5		16.4	20.5	23.5	23.5	23.0	11.0	
12.0		14.6	18.0	20.3	20.8	20.3		15.4	19.0	20.5	20.0	19.5	12.0	
14.0		13.0	15.8	16.2	16.0	15.6		13.6	16.7	16.3	15.6	15.1	14.0	
16.0		11.5	13.5	13.2	12.8	12.4		12.1	13.4	12.9	12.3	11.8	16.0	
18.0		10.5	11.3	10.8	10.4	10.0		11.0	11.2	10.6	10.0	9.5	18.0	
20.0		9.5	9.4	8.9	8.6	8.3		10.0	9.3	8.7	8.1	7.7	20.0	
22.0		8.4	8.0	7.5	7.1	6.8		8.3	7.9	7.3	6.7	6.3	22.0	
24.0		7.3	6.8	6.3	6.0	5.7		7.3	6.7	6.1	5.5	5.1	24.0	
26.0		6.3	5.8	5.3	5.0	4.7		6.3	5.7	5.1	4.5	4.1	26.0	
28.0		5.5	5.0	4.5	4.2	3.9		5.5	4.9	4.3	3.7	3.3	28.0	
30.0		4.8	4.3	3.8	3.5	3.2		4.8	4.2	3.6	3.0	2.6	30.0	
32.0								4.1	3.5	3.0	2.4	2.0	32.0	
34.0								3.5	2.9	2.5	1.9	1.5	34.0	
Reeving		7						6					Reeving	
Hook		60t										Hook		
Telescoping mode	I	1	1	1	1	2		1	1	1	2	3	I	Telescoping mode
	II	1	1	2	3	2		1	2	3	3	2	II	
	III	2	3	3	2	2		3	3	3	2	2	III	
	IV	3	3	2	2	2		3	3	2	2	2	IV	
	V	3	2	2	2	2		3	2	2	2	2	V	

Table 20 Rated capacity chart with boom only

Unit: t

Outriggers intermeidately extended to 5.8m, 23.5t counterweight, over side or rear working area															
Working radius (m)		Boom length (m)											Working radius (m)		
		43.6	43.6	43.6	43.6	48.0	48.0	48.0★	52.4	52.4★	56.8★	60.5★			
3.0													3.0		
3.5													3.5		
4.0													4.0		
4.5													4.5		
5.0													5.0		
6.0													6.0		
7.0													7.0		
8.0													8.0		
9.0		20.0	24.0	27.0	28.0								9.0		
10.0		19.0	22.5	26.0	26.5	19.0	22.5	23.5					10.0		
11.0		18.0	21.0	23.5	23.0	18.5	21.5	22.5					11.0		
12.0		16.8	19.8	20.6	19.8	17.5	20.5	20.0	18.00	19.5			12.0		
14.0		15.0	16.5	15.8	15.1	15.6	16.1	15.5	16.0	15.8	16.2	13.2	14.0		
16.0		13.4	13.4	12.6	11.9	13.8	13.0	12.2	13.2	12.6	12.9	13.0	16.0		
18.0		11.5	11.0	10.2	9.5	11.4	10.5	9.8	11.0	10.2	10.7	10.8	18.0		
20.0		9.7	9.1	8.3	7.7	9.6	8.7	8.0	9.1	8.3	8.8	8.9	20.0		
22.0		8.2	7.7	6.9	6.3	8.1	7.2	6.5	7.6	6.9	7.3	7.4	22.0		
24.0		7.0	6.5	5.7	5.1	6.9	6.0	5.3	6.4	5.7	6.1	6.2	24.0		
26.0		6.0	5.5	4.7	4.1	5.9	5.0	4.4	5.4	4.7	5.1	5.2	26.0		
28.0		5.2	4.7	3.9	3.3	5.0	4.2	3.6	4.6	3.9	4.3	4.4	28.0		
30.0		4.5	4.0	3.2	2.6	4.3	3.5	2.9	3.9	3.2	3.5	3.6	30.0		
32.0		3.9	3.4	2.6	2.1	3.7	2.9	2.3	3.3	2.6	2.9	3.0	32.0		
34.0		3.3	2.8	2.1	1.6	3.2	2.4	1.8	2.8	2.1	2.4	2.5	34.0		
36.0		2.8	2.3	1.6	1.1	2.7	1.9	1.3	2.3	1.6	1.9	2.0	36.0		
38.0		2.4	1.9	1.2		2.3	1.5	1.0	1.9	1.2	1.5	1.6	38.0		
40.0						1.9	1.1		1.5		1.1	1.2	40.0		
42.0						1.6			1.2				42.0		
44.0													44.0		
46.0													46.0		
48.0													48.0		
50.0													50.0		
52.0													52.0		
Reeving		5				4					3			Reeving	
Hook		60t											Hook		
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I	Telescoping mode	
	II	2	3	3	3	3	3	3	3	3	3	4	II		
	III	3	3	3	2	3	3	3	3	3	3	4	III		
	IV	3	3	2	2	3	3	2	3	3	3	4	IV		
	V	3	2	2	2	3	2	2	3	2	3	4	V		

Table 21 Rated capacity chart with boom only

Unit: t

Outriggers intermeidately extended to 5.8m, 15.5t counterweight, over side or rear working area														
Working radius (m)		Boom length (m)											Working radius (m)	
		12.8★	17.2	17.2	17.2	17.2★		21.6	21.6	21.6	21.6	21.6★		
3.0		80.0	39.5	75.0	80.0	80.0		27.0	40.0	68.0	68.0	68.0	3.0	
3.5		80.0	37.0	71.0	75.0	75.0		26.0	39.0	67.5	67.5	67.5	3.5	
4.0		73.0	35.5	68.0	73.0	73.0		25.0	37.0	67.0	67.0	67.0	4.0	
4.5		65.0	32.0	63.0	65.0	65.0		23.5	36.0	66.0	66.0	66.0	4.5	
5.0		58.0	30.0	58.0	58.0	58.0		22.5	34.0	58.0	58.0	58.0	5.0	
6.0		48.0	28.0	48.0	48.0	48.0		20.5	31.5	48.0	48.0	48.0	6.0	
7.0		35.0	26.0	36.0	36.0	36.0		18.5	30.0	36.0	36.0	36.0	7.0	
8.0		28.0	24.5	29.0	29.0	29.0		17.0	28.5	29.0	29.0	29.0	8.0	
9.0		22.5	23.0	23.5	23.5	23.5		15.5	27.0	23.5	23.5	23.5	9.0	
10.0			21.5	21.0	20.5	19.5		14.5	22.5	21.5	20.5	19.0	10.0	
11.0			18.4	17.9	17.4	16.6		13.7	19.3	18.4	17.4	16.0	11.0	
12.0			15.8	15.3	14.8	14.0		12.8	16.6	15.8	14.8	13.4	12.0	
14.0								11.4	12.7	11.9	11.0	9.7	14.0	
16.0								10.0	10.0	9.2	8.4	7.1	16.0	
Reeving		12											Reeving	
Hook		60t											Hook	
Telescoping mode	I	1	1	1	1	1		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	1	2		1	1	1	2	2	II	
	III	1	1	1	2	1		1	1	2	2	1	III	
	IV	1	1	2	1	1		1	2	2	1	1	IV	
	V	1	2	1	1	1		3	2	1	1	1	V	

Table 22 Rated capacity chart with boom only

Unit: t

Outriggers intermeidately extended to 5.8m, 15.5t counterweight, over side or rear working area														
Working radius (m)		Boom length (m)											Working radius (m)	
		26.0	26.0	26.0	26.0	26.0★		30.4	30.4	30.4	30.4	30.4★		
3.0													3.0	
3.5													3.5	
4.0		27.0	30.0	40.0	61.0	61.0							4.0	
4.5		26.0	28.5	39.0	60.0	60.0							4.5	
5.0		25.0	27.0	38.0	56.0	55.0		23.5	29.0	36.0	40.0	54.0	5.0	
6.0		22.5	24.5	35.0	48.0	48.0		21.5	27.0	33.0	38.0	48.0	6.0	
7.0		20.5	22.0	33.0	36.0	36.0		19.5	24.5	30.0	36.0	37.0	7.0	
8.0		19.0	20.0	31.0	30.0	30.0		18.0	22.8	27.5	33.0	31.0	8.0	
9.0		17.5	18.5	27.0	26.0	24.5		16.5	21.0	25.0	27.0	25.5	9.0	
10.0		16.6	17.0	23.0	21.5	20.0		15.2	19.5	23.0	22.5	21.0	10.0	
11.0		15.6	16.0	19.5	18.3	16.8		14.2	18.3	19.5	19.0	17.5	11.0	
12.0		14.7	15.0	16.9	15.7	14.2		13.2	17.1	16.9	16.5	15.0	12.0	
14.0		13.2	13.2	13.0	11.8	10.4		11.5	13.0	13.0	12.6	11.2	14.0	
16.0		10.6	10.3	10.2	9.2	7.8		10.2	10.6	10.3	9.9	8.5	16.0	
18.0		8.8	8.5	8.2	7.2	5.8		9.2	8.6	8.3	7.9	6.6	18.0	
20.0		7.2	7.0	6.6	5.7	4.4		7.3	7.1	6.8	6.4	5.1	20.0	
22.0								6.2	5.9	5.6	5.2	3.9	22.0	
24.0								5.2	4.9	4.6	4.2	2.9	24.0	
Reeving		10						9					Reeving	
Hook		60t											Hook	
Telescoping mode	I	1	1	1	1	2		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	2	2		1	1	1	2	2	II	
	III	1	1	2	2	2		1	2	3	2	2	III	
	IV	2	3	2	2	1		3	3	2	2	2	IV	
	V	3	2	2	1	1		3	2	2	2	1	V	

Table 23 Rated capacity chart with boom only

Unit: t

Outriggers intermeidately extended to 5.8m, 15.5t counterweight, over side or rear working area														
Working radius (m)		Boom length (m)										Working radius (m)		
		34.8	34.8	34.8	34.8	34.8★		39.2	39.2	39.2	39.2			39.2★
3.0													3.0	
3.5													3.5	
4.0													4.0	
4.5													4.5	
5.0													5.0	
6.0		23.0	28.0	32.0	40.0	41.0							6.0	
7.0		21.0	26.5	29.0	36.5	38.0		22.0	27.0	32.0	35.0	35.0	7.0	
8.0		19.5	24.0	27.0	32.0	31.5		20.5	25.0	29.5	30.5	30.0	8.0	
9.0		18.0	22.5	25.0	27.0	26.5		19.0	23.5	26.5	26.0	25.5	9.0	
10.0		16.8	20.8	22.5	22.5	22.0		17.5	22.0	22.5	21.5	21.0	10.0	
11.0		15.7	19.0	19.5	19.0	18.5		16.4	19.8	19.3	18.5	18.0	11.0	
12.0		14.6	17.2	16.8	16.3	15.9		15.4	17.3	16.5	15.8	15.3	12.0	
14.0		13.0	13.5	12.9	12.4	12.0		13.6	13.3	12.6	12.0	11.5	14.0	
16.0		11.0	10.8	10.2	9.7	9.3		11.0	10.5	9.9	9.3	8.8	16.0	
18.0		9.2	8.6	8.1	7.7	7.3		9.1	8.5	7.9	7.3	6.9	18.0	
20.0		7.6	7.1	6.6	6.2	5.8		7.6	7.0	6.4	5.8	5.4	20.0	
22.0		6.4	5.9	5.4	5.0	4.6		6.4	5.8	5.2	4.6	4.2	22.0	
24.0		5.4	4.9	4.4	4.0	3.7		5.4	4.8	4.2	3.6	3.2	24.0	
26.0		4.6	4.1	3.6	3.2	2.9		4.6	4.0	3.4	2.8	2.4	26.0	
28.0		3.9	3.4	2.9	2.5	2.2		3.9	3.3	2.7	2.1	1.7	28.0	
30.0		3.2	2.8					3.3	2.7	2.1	1.6	1.2	30.0	
32.0								2.7	2.1	1.6	1.1		32.0	
34.0								2.2	1.6	1.2			34.0	
Reeving		7						6					Reeving	
Hook		60t										Hook		
Telescoping mode	I	1	1	1	1	2		1	1	1	2	3	I	Telescoping mode
	II	1	1	2	3	2		1	2	3	3	2	II	
	III	2	3	3	2	2		3	3	3	2	2	III	
	IV	3	3	2	2	2		3	3	2	2	2	IV	
	V	3	2	2	2	2		3	2	2	2	2	V	

Table 24 Rated capacity chart with boom only

Unit: t

Outriggers intermeidately extended to 5.8m, 15.5t counterweight, over side or rear working area														
Working radius (m)		Boom length (m)										Working radius (m)		
		43.6	43.6	43.6	43.6	48.0	48.0	48.0★	52.4	52.4★	56.8★			60.5★
3.0													3.0	
3.5													3.5	
4.0													4.0	
4.5													4.5	
5.0													5.0	
6.0													6.0	
7.0													7.0	
8.0													8.0	
9.0		20.0	24.0	25.5	24.5								9.0	
10.0		19.0	22.5	22.0	21.0	19.0	22.0	21.0					10.0	
11.0		18.0	19.5	18.8	18.0	18.5	19.2	18.3					11.0	
12.0		16.8	17.0	16.1	15.4	17.5	16.6	15.7	17.0	16.0			12.0	
14.0		13.5	13.0	12.2	11.5	13.5	12.6	11.8	13.1	12.2	12.5	12.5	14.0	
16.0		11.0	10.3	9.5	8.9	10.8	9.9	9.1	10.3	9.5	10.0	10.1	16.0	
18.0		9.0	8.3	7.5	6.9	8.7	7.8	7.1	8.3	7.5	8.0	8.1	18.0	
20.0		7.4	6.7	6.0	5.4	7.2	6.3	5.6	6.7	5.9	6.4	6.5	20.0	
22.0		6.2	5.5	4.8	4.2	5.9	5.1	4.4	5.5	4.7	5.1	5.2	22.0	
24.0		5.2	4.5	3.8	3.2	4.9	4.1	3.4	4.5	3.7	4.1	4.2	24.0	
26.0		4.4	3.7	3.0	2.4	4.1	3.3	2.6	3.7	2.9	3.3	3.4	26.0	
28.0		3.7	3.0	2.3	1.7	3.4	2.6	1.9	3.0	2.3	2.6	2.7	28.0	
30.0		3.1	2.4	1.7	1.2	2.8	2.0	1.4	2.4	1.7	2.0	2.1	30.0	
32.0		2.6	1.9	1.2		2.3	1.5	1.0	1.9	1.2	1.5	1.6	32.0	
34.0		2.0	1.5			1.9	1.1		1.5		1.1	1.2	34.0	
36.0		1.6	1.1			1.5			1.1				36.0	
38.0		1.3				1.1							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	
Reeving		5				4				3			Reeving	
Hook		60t											Hook	
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I	Telescoping mode
	II	2	3	3	3	3	3	3	3	3	3	4	II	
	III	3	3	3	2	3	3	3	3	3	3	4	III	
	IV	3	3	2	2	3	3	2	3	3	3	4	IV	
	V	3	2	2	2	3	2	2	3	2	3	4	V	

Table 25 Rated capacity chart with boom only

Unit: t

Outriggers intermeidately extended to 5.8m, 7.5t counterweight, over side or rear working area														
Working radius (m)		Boom length (m)										Working radius (m)		
		12.8★	17.2	17.2	17.2	17.2★		21.6	21.6	21.6	21.6			21.6★
3.0		80.0	39.5	75.0	80.0	80.0		27.0	40.0	68.0	68.0	68.0	3.0	
3.5		75.0	37.0	71.0	75.0	75.0		26.0	39.0	67.5	67.5	67.5	3.5	
4.0		68.0	35.5	68.0	68.0	68.0		25.0	37.0	67.0	67.0	67.0	4.0	
4.5		60.0	32.0	60.0	60.0	60.0		23.5	36.0	60.0	60.0	60.0	4.5	
5.0		54.0	30.0	54.0	54.0	54.0		22.5	34.0	54.0	54.0	54.0	5.0	
6.0		38.0	28.0	38.0	38.0	38.0		20.5	31.5	38.0	38.0	38.0	6.0	
7.0		28.0	26.0	28.0	28.0	28.0		18.5	28.0	28.0	28.0	28.0	7.0	
8.0		21.5	22.0	22.0	22.0	22.0		17.0	23.0	23.0	23.0	21.5	8.0	
9.0		17.0	19.6	19.1	18.6	17.8		15.5	20.5	19.5	18.5	17.0	9.0	
10.0			16.1	15.6	15.1	14.3		14.5	17.0	16.1	15.1	13.6	10.0	
11.0			13.5	13.0	12.5	11.7		13.5	14.3	13.5	12.5	11.0	11.0	
12.0			11.4	10.9	10.4	9.7		12.6	12.2	11.4	10.4	9.0	12.0	
14.0								9.5	9.1	8.3	7.4	6.1	14.0	
16.0								7.3	7.0	6.2	5.3	4.0	16.0	
Reeving		12										Reeving		
Hook		60t										Hook		
Telescoping mode	I	1	1	1	1	1		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	1	2		1	1	1	2	2	II	
	III	1	1	1	2	1		1	1	2	2	1	III	
	IV	1	1	2	1	1		1	2	2	1	1	IV	
	V	1	2	1	1	1		3	2	1	1	1	V	

Table 26 Rated capacity chart with boom only

Unit: t

Outriggers intermediately extended to 5.8m, 7.5t counterweight, over side or rear working area														
Working radius (m)		Boom length (m)										Working radius (m)		
		26.0	26.0	26.0	26.0	26.0★		30.4	30.4	30.4	30.4			30.4★
3.0													3.0	
3.5													3.5	
4.0		27.0	30.0	40.0	61.0	61.0							4.0	
4.5		26.0	28.5	39.0	60.0	60.0							4.5	
5.0		25.0	27.0	38.0	54.0	54.0		23.5	29.0	36.0	40.0	52.0	5.0	
6.0		22.5	24.5	35.0	38.0	38.0		21.5	27.0	33.0	38.0	38.0	6.0	
7.0		20.5	22.0	30.0	30.0	29.0		19.5	24.5	30.0	30.0	29.5	7.0	
8.0		19.0	20.0	25.0	24.5	22.5		18.0	22.8	26.0	25.5	23.5	8.0	
9.0		17.5	18.5	20.8	19.6	17.8		16.5	21.0	21.0	20.5	18.8	9.0	
10.0		16.6	17.0	17.2	16.0	14.4		15.2	17.6	17.4	17.0	15.3	10.0	
11.0		15.0	14.7	14.5	13.4	11.8		14.2	15.1	14.7	14.3	12.6	11.0	
12.0		13.1	12.8	12.4	11.3	9.7		13.2	12.9	12.5	12.1	10.6	12.0	
14.0		10.0	9.7	9.3	8.2	6.8		10.2	9.8	9.4	9.0	7.6	14.0	
16.0		7.8	7.5	7.1	6.1	4.7		8.0	7.6	7.2	6.8	5.5	16.0	
18.0		6.2	5.9	5.5	4.5	3.2		6.4	6.0	5.6	5.2	3.9	18.0	
20.0		4.9	4.6	4.3	3.3	2.0		5.2	4.8	4.4	4.0	2.7	20.0	
22.0								4.2	3.8	3.4	3.0	1.8	22.0	
24.0								3.3	3.0	2.7	2.4	1.2	24.0	
Reeving		10						9					Reeving	
Hook		60t										Hook		
Telescoping mode	I	1	1	1	1	2		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	2	2		1	1	1	2	2	II	
	III	1	1	2	2	2		1	2	3	2	2	III	
	IV	2	3	2	2	1		3	3	2	2	2	IV	
	V	3	2	2	1	1		3	2	2	2	1	V	

Table 27 Rated capacity chart with boom only

Unit: t

Outriggers intermeidately extended to 5.8m, 7.5t counterweight, over side or rear working area														
Working radius (m)		Boom length (m)										Working radius (m)		
		34.8	34.8	34.8	34.8	34.8★		39.2	39.2	39.2	39.2			39.2★
3.0													3.0	
3.5													3.5	
4.0													4.0	
4.5													4.5	
5.0													5.0	
6.0		23.0	28.0	32.0	38.0	37.5							6.0	
7.0		21.0	26.5	29.0	30.5	30.0		22.0	27.0	29.5	28.5	28.0	7.0	
8.0		19.5	24.0	25.0	24.5	24.0		20.5	24.5	24.5	23.5	23.0	8.0	
9.0		18.0	21.5	20.5	20.0	19.5		19.0	21.0	20.5	19.5	19.0	9.0	
10.0		16.8	17.9	17.3	16.8	16.3		17.5	17.8	17.0	16.2	15.7	10.0	
11.0		15.7	15.2	14.6	14.1	13.6		15.5	15.0	14.2	13.5	13.0	11.0	
12.0		13.4	12.9	12.4	11.9	11.4		13.5	12.8	12.1	11.4	10.9	12.0	
14.0		10.3	9.8	9.3	8.8	8.4		10.4	9.7	9.0	8.4	7.9	14.0	
16.0		8.0	7.5	7.0	6.6	6.2		8.2	7.5	6.9	6.3	5.8	16.0	
18.0		6.5	6.0	5.5	5.1	4.7		6.5	5.9	5.3	4.7	4.2	18.0	
20.0		5.3	4.8	4.3	3.9	3.5		5.2	4.6	4.0	3.5	3.0	20.0	
22.0		4.3	3.8	3.3	2.9	2.6		4.2	3.6	3.1	2.6	2.1	22.0	
24.0		3.5	3.0	2.5	2.2	1.9		3.4	2.8	2.3	1.8	1.3	24.0	
26.0		2.8	2.3	1.8	1.5	1.2		2.7	2.2	1.7	1.2		26.0	
28.0		2.3	1.8	1.3	1.0			2.2	1.6	1.2			28.0	
30.0								1.7	1.1				30.0	
32.0								1.3					32.0	
34.0								1.0					34.0	
Reeving		7						6					Reeving	
Hook		60t											Hook	
Telescoping mode	I	1	1	1	1	2		1	1	1	2	3	I	Telescoping mode
	II	1	1	2	3	2		1	2	3	3	2	II	
	III	2	3	3	2	2		3	3	3	2	2	III	
	IV	3	3	2	2	2		3	3	2	2	2	IV	
	V	3	2	2	2	2		3	2	2	2	2	V	

Table 28 Rated capacity chart with boom only

Unit: t

Outriggers intermeidately extended to 5.8m, 7.5t counterweight, over side or rear working area														
Working radius (m)		Boom length (m)											Working radius (m)	
		43.6	43.6	43.6	43.6	48.0	48.0	48.0★	52.4	52.4★	56.8★	60.5★		
3.0													3.0	
3.5													3.5	
4.0													4.0	
4.5													4.5	
5.0													5.0	
6.0													6.0	
7.0													7.0	
8.0													8.0	
9.0		20.0	20.0	19.0	18.2								9.0	
10.0		18.0	17.4	16.4	15.6	17.5	16.5	15.5					10.0	
11.0		15.5	14.7	13.8	13.1	15.3	14.2	13.3					11.0	
12.0		13.3	12.5	11.7	11.0	13.1	12.1	11.2	12.5	11.5			12.0	
14.0		10.1	9.4	8.6	7.9	9.9	8.9	8.1	9.4	8.5	9.0	9.1	14.0	
16.0		7.9	7.2	6.5	5.8	7.7	6.8	6.0	7.2	6.4	6.8	6.9	16.0	
18.0		6.3	5.6	4.9	4.2	6.1	5.2	4.4	5.6	4.8	5.2	5.3	18.0	
20.0		5.1	4.4	3.7	3.0	4.9	4.0	3.2	4.3	3.5	4.0	4.1	20.0	
22.0		4.1	3.4	2.7	2.1	3.8	3.0	2.3	3.4	2.6	3.0	3.1	22.0	
24.0		3.3	2.6	1.9	1.4	3.0	2.2	1.5	2.6	1.8	2.2	2.3	24.0	
26.0		2.6	1.9	1.3		2.4	1.6	1.0	1.9	1.2	1.6	1.7	26.0	
28.0		2.0	1.5			1.8	1.0		1.4		1.0	1.1	28.0	
30.0		1.5	1.0			1.3			1.0				30.0	
32.0		1.1				1.0							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	
Reeving		5				4				3			Reeving	
Hook		60t											Hook	
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I	Telescoping mode
	II	2	3	3	3	3	3	3	3	3	3	4	II	
	III	3	3	3	2	3	3	3	3	3	3	4	III	
	IV	3	3	2	2	3	3	2	3	3	3	4	IV	
	V	3	2	2	2	3	2	2	3	2	3	4	V	

Table 29 Rated capacity chart with boom only

Unit: t

Outriggers intermediately extended to 5.8m, 1.5t counterweight, over side or rear working area													
Working radius (m)	Boom length (m)											Working radius (m)	
	12.8★	17.2	17.2	17.2	17.2★		21.6	21.6	21.6	21.6	21.6★		
3.0	80.0	39.5	75.0	80.0	80.0		27.0	40.0	68.0	68.0	68.0	3.0	
3.5	70.0	37.0	70.0	70.0	70.0		26.0	39.0	67.5	67.5	67.5	3.5	
4.0	64.0	35.5	64.0	64.0	64.0		25.0	37.0	64.0	64.0	64.0	4.0	
4.5	52.0	32.0	52.0	52.0	52.0		23.5	36.0	52.0	52.0	52.0	4.5	
5.0	42.0	30.0	42.0	42.0	42.0		22.5	34.0	42.0	42.0	41.5	5.0	
6.0	27.0	28.0	28.0	28.0	28.0		20.5	29.0	29.0	29.0	28.0	6.0	
7.0	20.5	23.5	23.0	22.0	21.0		18.5	24.5	23.5	22.0	20.0	7.0	
8.0	15.0	17.9	17.4	16.6	15.8		17.0	18.9	17.9	16.7	15.0	8.0	
9.0	11.5	14.0	13.5	12.8	12.1		15.2	15.0	14.0	12.9	11.3	9.0	
10.0		11.3	10.8	10.1	9.4		12.6	12.2	11.3	10.2	8.7	10.0	
11.0		9.2	8.8	8.1	7.4		10.4	10.0	9.2	8.2	6.8	11.0	
12.0		7.5	7.1	6.5	5.9		8.8	8.4	7.6	6.6	5.2	12.0	
14.0							6.3	6.0	5.2	4.3	3.0	14.0	
16.0							4.6	4.3	3.5	2.7	1.4	16.0	
Reeving	12											Reeving	
Hook	60t											Hook	
Telescoping mode	I	1	1	1	1	1		1	1	1	1	2	I
	II	1	1	1	1	2		1	1	1	2	2	II
	III	1	1	1	2	1		1	1	2	2	1	III
	IV	1	1	2	1	1		1	2	2	1	1	IV
	V	1	2	1	1	1		3	2	1	1	1	V
Telescoping mode													

Table 30 Rated capacity chart with boom only

Unit: t

Outriggers intermeidately extended to 5.8m, 1.5t counterweight, over side or rear working area														
Working radius (m)		Boom length (m)										Working radius (m)		
		26.0	26.0	26.0	26.0	26.0★		30.4	30.4	30.4	30.4			30.4★
3.0													3.0	
3.5													3.5	
4.0		27.0	30.0	40.0	61.0	61.0							4.0	
4.5		26.0	28.5	39.0	52.0	50.0							4.5	
5.0		25.0	27.0	38.0	42.0	40.0		23.5	29.0	36.0	40.0	40.0	5.0	
6.0		22.5	24.5	30.0	30.0	28.0		21.5	27.0	30.0	30.0	28.5	6.0	
7.0		20.5	22.0	24.0	23.0	21.0		19.5	24.0	24.0	23.5	21.5	7.0	
8.0		19.0	19.5	19.1	17.7	15.8		18.0	19.6	19.2	18.7	16.7	8.0	
9.0		15.8	15.6	15.2	13.9	12.2		16.5	15.7	15.3	14.9	13.1	9.0	
10.0		13.2	12.8	12.3	11.1	9.5		13.3	12.9	12.5	12.1	10.4	10.0	
11.0		10.9	10.6	10.2	9.1	7.5		11.2	10.8	10.4	10.0	8.4	11.0	
12.0		9.3	9.0	8.6	7.4	5.9		9.5	9.1	8.7	8.3	6.8	12.0	
14.0		6.8	6.5	6.1	5.1	3.7		7.1	6.7	6.3	5.9	4.4	14.0	
16.0		5.2	4.9	4.5	3.5	2.1		5.3	5.0	4.6	4.2	2.8	16.0	
18.0		3.9	3.6	3.2	2.2	1.0		4.0	3.7	3.4	3.0	1.6	18.0	
20.0		2.9	2.6	2.3	1.3			3.1	2.8	2.5	2.1		20.0	
22.0								2.3	2.0	1.7	1.3		22.0	
24.0								1.7	1.4	1.1			24.0	
Reeving		10						9					Reeving	
Hook		60t										Hook		
Telescoping mode	I	1	1	1	1	2		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	2	2		1	1	1	2	2	II	
	III	1	1	2	2	2		1	2	3	2	2	III	
	IV	2	3	2	2	1		3	3	2	2	2	IV	
	V	3	2	2	1	1		3	2	2	2	1	V	

Table 31 Rated capacity chart with boom only

Unit: t

Outriggers intermeidately extended to 5.8m, 1.5t counterweight, over side or rear working area															
Working radius (m)		Boom length (m)										Working radius (m)			
		34.8	34.8	34.8	34.8	34.8★		39.2	39.2	39.2	39.2			39.2★	
3.0														3.0	
3.5														3.5	
4.0														4.0	
4.5														4.5	
5.0														5.0	
6.0		23.0	28.0	30.0	29.5	29.0								6.0	
7.0		21.0	24.0	23.0	22.5	22.0		22.0	23.0	22.5	21.0	20.5		7.0	
8.0		19.5	19.3	18.6	18.1	17.6		19.5	18.8	18.0	17.2	16.6		8.0	
9.0		16.2	15.8	15.2	14.7	14.2		16.2	15.3	14.6	13.9	13.3		9.0	
10.0		13.6	13.0	12.4	11.9	11.4		13.6	12.7	12.0	11.4	10.8		10.0	
11.0		11.4	10.8	10.2	9.7	9.2		11.3	10.5	9.9	9.3	8.7		11.0	
12.0		9.6	9.1	8.6	8.1	7.6		9.6	8.9	8.3	7.7	7.1		12.0	
14.0		7.2	6.7	6.2	5.7	5.2		7.1	6.5	5.9	5.3	4.7		14.0	
16.0		5.4	4.9	4.5	4.1	3.7		5.4	4.8	4.2	3.6	3.1		16.0	
18.0		4.1	3.6	3.2	2.8	2.4		4.2	3.6	3.0	2.4	1.9		18.0	
20.0		3.1	2.6	2.2	1.8	1.4		3.2	2.6	2.0	1.4	1.0		20.0	
22.0		2.4	1.9	1.5	1.2			2.4	1.8	1.3				22.0	
24.0		1.7	1.3	0.9				1.7	1.1					24.0	
26.0		1.2	0.9					1.2						26.0	
28.0		0.9						0.9						28.0	
30.0														30.0	
32.0														32.0	
34.0														34.0	
Reeving		7						6					Reeving		
Hook		60t												Hook	
Telescoping mode	I	1	1	1	1	2		1	1	1	2	3	I	Telescoping mode	
	II	1	1	2	3	2		1	2	3	3	2	II		
	III	2	3	3	2	2		3	3	3	2	2	III		
	IV	3	3	2	2	2		3	3	2	2	2	IV		
	V	3	2	2	2	2		3	2	2	2	2	V		

Table 32 Rated capacity chart with boom only

Unit: t

Outriggers intermeidately extended to 5.8m, 1.5t counterweight, over side or rear working area															
Working radius (m)		Boom length (m)											Working radius (m)		
		43.6	43.6	43.6	43.6	48.0	48.0	48.0★	52.4	52.4★	56.8★	60.5★			
3.0													3.0		
3.5													3.5		
4.0													4.0		
4.5													4.5		
5.0													5.0		
6.0													6.0		
7.0													7.0		
8.0													8.0		
9.0		15.5	14.8	13.8	13.0								9.0		
10.0		13.3	12.4	11.5	10.7	12.7	11.6	10.6					10.0		
11.0		11.2	10.3	9.5	8.7	10.9	9.9	9.0					11.0		
12.0		9.5	8.7	7.9	7.2	9.2	8.2	7.3	8.6	7.7			12.0		
14.0		7.0	6.2	5.4	4.7	6.7	5.8	5.0	6.2	5.4	5.8	5.9	14.0		
16.0		5.2	4.4	3.7	3.1	5.0	4.1	3.3	4.5	3.7	4.1	4.2	16.0		
18.0		3.9	3.2	2.5	1.9	3.7	2.8	2.1	3.2	2.4	2.9	3.0	18.0		
20.0		3.0	2.3	1.6	1.0	2.7	1.9	1.2	2.3	1.5	1.9	2.0	20.0		
22.0		2.2	1.6	1.0		2.0	1.1		1.5		1.2	1.3	22.0		
24.0		1.5	1.0			1.3			1.0				24.0		
26.0		1.0				0.9							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		
Reeving		5				4					3			Reeving	
Hook		60t											Hook		
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I	Telescoping mode	
	II	2	3	3	3	3	3	3	3	3	3	4	II		
	III	3	3	3	2	3	3	3	3	3	3	4	III		
	IV	3	3	2	2	3	3	2	3	3	3	4	IV		
	V	3	2	2	2	3	2	2	3	2	3	4	V		

Table 33 Rated capacity chart with jib

Unit: t

Boom angle (°)	Boom + jib (m)											
	Outriggers fully extended, over side or rear working area, 23.5t counterweight											
	56.8+10.4			56.8+17.5			60.5+10.4			60.5+17.5		
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°
80	6.5	5.5	4.5	3.5	2.5	1.8	6.0	5.0	4.0	3.5	2.2	2.0
78	6.5	5.5	4.5	3.2	2.3	1.8	5.8	5.0	4.0	3.2	2.2	1.8
76	6.3	5.3	4.5	3.0	2.2	1.7	5.6	4.8	4.0	3.0	2.1	1.7
74	6.2	5.2	4.5	2.8	2.0	1.7	5.4	4.6	4.0	2.8	2.0	1.7
72	6.1	5.1	4.5	2.6	1.9	1.7	5.2	4.4	4.0	2.6	1.9	1.6
70	6.0	5.0	4.4	2.4	1.9	1.6	5.0	4.2	4.0	2.4	1.8	1.6
68	5.9	4.9	4.3	2.3	1.8	1.6	4.8	4.0	3.8	2.2	1.8	1.6
66	5.6	4.8	4.2	2.2	1.8	1.6	4.6	3.8	3.6	2.0	1.7	1.5
64	5.1	4.7	4.1	2.1	1.7	1.5	4.5	3.6	3.4	1.9	1.7	1.5
62	4.6	4.4	4.0	2.0	1.7	1.5	4.0	3.5	3.2	1.8	1.6	1.4
60	4.1	3.9	3.7	1.9	1.6	1.5	3.5	3.3	3.1	1.7	1.6	1.4
58	3.7	3.5	3.4	1.8	1.6	1.4	3.1	2.9	2.8	1.7	1.5	1.4
56	3.3	3.1	3.0	1.8	1.5	1.4	2.7	2.6	2.5	1.6	1.4	1.3
54	2.9	2.8	2.7	1.7	1.5	1.4	2.4	2.3	2.2	1.6	1.4	1.3
52	2.6	2.5	2.4	1.7	1.4	1.3	2.1	2.0	1.9	1.5	1.4	1.3
50	2.3	2.2	2.1	1.6	1.4	1.3	1.8	1.7	1.6	1.5	1.3	1.3
48	2.0	1.9	1.8	1.5	1.4	1.3	1.6	1.5	1.4	1.3	1.2	1.2
46	1.8	1.7	1.6	1.5	1.3	1.2	1.4	1.3	1.3	1.2	1.1	1.1
44	1.6	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.1	1.0	0.9	0.9
42	1.4	1.3	1.2	1.2	1.1	1.1	1.0	1.0	1.0			
40	1.2	1.1	1.0	1.1	1.0	1.0						
38	1.0	1.0										
Reeving	1											
Hook	8t											

Table 34 Rated capacity chart with jib

Unit: t

Boom angle (°)	Boom + jib (m)											
	Outriggers fully extended, over side or rear working area, 15.5t counterweight											
	56.8+10.4			56.8+17.5			60.5+10.4			60.5+17.5		
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°
80	6.5	5.5	4.5	3.5	2.5	1.8	6.0	5.0	4.0	3.5	2.2	2.0
78	6.5	5.5	4.5	3.2	2.3	1.8	5.8	5.0	4.0	3.2	2.2	1.8
76	6.3	5.3	4.5	3.0	2.2	1.7	5.6	4.8	4.0	3.0	2.1	1.7
74	6.2	5.2	4.5	2.8	2.0	1.7	5.4	4.6	4.0	2.8	2.0	1.7
72	6.1	5.1	4.5	2.6	1.9	1.7	5.2	4.4	4.0	2.6	1.9	1.6
70	6.0	5.0	4.4	2.4	1.9	1.6	4.9	4.2	3.9	2.4	1.8	1.6
68	5.4	4.8	4.3	2.3	1.8	1.6	4.6	3.9	3.7	2.2	1.8	1.6
66	4.7	4.3	4.1	2.2	1.8	1.6	4.0	3.7	3.5	2.0	1.7	1.5
64	4.1	3.8	3.6	2.1	1.7	1.5	3.4	3.2	3.0	1.9	1.7	1.5
62	3.5	3.3	3.1	2.0	1.7	1.5	2.9	2.7	2.6	1.8	1.6	1.4
60	3.0	2.8	2.7	1.9	1.6	1.5	2.5	2.3	2.2	1.7	1.5	1.4
58	2.6	2.5	2.4	1.8	1.6	1.4	2.1	2.0	1.9	1.6	1.5	1.4
56	2.2	2.1	2.0	1.7	1.5	1.4	1.7	1.6	1.5	1.4	1.3	1.2
54	1.9	1.8	1.7	1.6	1.4	1.3	1.4	1.3	1.25	1.2	1.1	1.0
52	1.6	1.5	1.4	1.3	1.2	1.15	1.15	1.1	1.05	0.9	0.85	0.8
50	1.3	1.2	1.1	1.1	1.0	0.95	0.9	0.85	0.8			
48	1.1	1.05	1.0	0.9	0.85	0.8						
46	0.9	0.85	0.8									
44												
42												
40												
38												
Reeving	1											
Hook	8t											

Table 35 Rated capacity chart with jib

Unit: t

Boom angle (°)	Boom + jib (m)											
	Outriggers fully extended, over side or rear working area, 7.5t counterweight											
	56.8+10.4			56.8+17.5			60.5+10.4			60.5+17.5		
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°
80	6.5	5.5	4.5	3.5	2.5	1.8	6.0	5.0	4.0	3.5	2.2	2.0
78	6.5	5.5	4.5	3.2	2.3	1.8	5.8	5.0	4.0	3.2	2.2	1.8
76	6.3	5.3	4.5	3.0	2.2	1.7	5.6	4.8	4.0	3.0	2.1	1.7
74	6.2	5.1	4.5	2.8	2.0	1.7	5.3	4.5	3.9	2.8	2.0	1.7
72	5.5	4.9	4.4	2.6	1.9	1.7	4.7	4.2	3.8	2.6	1.9	1.6
70	4.6	4.1	3.8	2.4	1.9	1.6	3.9	3.5	3.2	2.4	1.8	1.6
68	3.8	3.4	3.2	2.3	1.8	1.6	3.1	2.8	2.7	2.2	1.8	1.6
66	3.1	2.8	2.7	2.2	1.8	1.6	2.5	2.3	2.2	2.1	1.7	1.5
64	2.5	2.3	2.2	2.0	1.7	1.5	2.0	1.8	1.7	1.6	1.5	1.4
62	2.1	1.9	1.8	1.7	1.5	1.4	1.6	1.5	1.4	1.3	1.2	1.1
60	1.6	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.1	1.0	0.95	0.9
58	1.3	1.2	1.1	1.1	1.0	0.9	0.9	0.8				
56	1.0	0.95	0.9									
54												
52												
50												
48												
46												
44												
42												
40												
38												
Reeving	1											
Hook	8 t											

Table 36 Rated capacity chart with jib

Unit: t

Boom angle (°)	Boom + jib (m)											
	Outriggers fully extended, over side or rear working area, 1.5t counterweight											
	56.8+10.4			56.8+17.5			60.5+10.4			60.5+17.5		
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°
80	6.5	5.5	4.5	3.5	2.5	1.8	6.0	5.0	4.0	3.5	2.2	2.0
78	6.5	5.4	4.3	3.2	2.3	1.8	5.8	4.8	3.8	3.2	2.2	1.8
76	6.0	5.3	4.1	3.0	2.2	1.7	5.3	4.6	3.5	3.0	2.1	1.7
74	5.0	4.3	3.9	2.8	2.0	1.7	4.2	3.6	3.3	2.8	2.0	1.7
72	3.9	3.4	3.1	2.6	1.9	1.7	3.2	2.8	2.7	2.6	1.9	1.6
70	3.1	2.7	2.5	2.4	1.8	1.6	2.4	2.2	2.1	2.0	1.7	1.5
68	2.4	2.1	2.0	1.9	1.6	1.4	1.8	1.6	1.5	1.5	1.2	1.1
66	1.7	1.6	1.5	1.4	1.2	1.1	1.3	1.2	1.1	1.1	0.95	0.85
64	1.3	1.2	1.1	1.1	0.95	0.85	0.9	0.8				
62	0.9											
60												
58												
56												
54												
52												
50												
48												
46												
44												
42												
40												
38												
Reeving	1											
Hook	8t											

Table 37 Rated capacity chart with extension

Unit: t

Boom angle (°)	Boom + extension (m)	Boom + extension + jib (m)				
	Outriggers fully extended, over side or rear working area, 23.5t counterweight					
	56.8+9.5	60.5+9.5	56.8+9.5+10.4	56.8+9.5+17.5	60.5+9.5+10.4	60.5+9.5+17.5
	0°	0°	0°	0°	0°	0°
80	8.5	6.5	4.5	2.7	4.0	2.5
78	8.0	6.4	4.5	2.5	4.0	2.5
76	7.5	6.2	4.5	2.4	4.0	2.3
74	7.0	5.8	4.2	2.2	3.8	2.1
72	6.6	5.4	3.9	2.1	3.6	2.0
70	6.2	5.1	3.6	2.0	3.2	1.9
68	5.8	5.0	3.3	1.9	3.0	1.9
66	5.4	4.9	3.0	1.8	2.9	1.8
64	5.1	4.8	2.9	1.7	2.8	1.8
62	4.8	4.2	2.8	1.7	2.6	1.8
60	4.4	3.7	2.7	1.6	2.2	1.7
58	4.0	3.3	2.2	1.6	1.9	1.6
56	3.5	2.9	2.1	1.5	1.6	1.3
54	3.1	2.5	1.8	1.5	1.3	1.1
52	2.8	2.2	1.5	1.3	1.1	
50	2.5	1.9	1.3	1.0		
48	2.2	1.7	1.0			
46	2.0	1.4				
44	1.7	1.2				
42	1.5	1.0				
40	1.3					
38	1.1					
Reeving	2	1	1			
Hook	18t		8t			

Table 38 Rated capacity chart with extension

Unit: t

Boom angle (°)	Boom + extension (m)	Boom + extension + jib (m)				
	Outriggers fully extended, over side or rear working area, 15.5t counterweight					
	56.8+9.5	60.5+9.5	56.8+9.5+10.4	56.8+9.5+17.5	60.5+9.5+10.4	60.5+9.5+17.5
	0°	0°	0°	0°	0°	0°
80	8.5	6.5	4.5	2.7	4.0	2.5
78	8.0	6.4	4.5	2.5	4.0	2.5
76	7.5	6.2	4.5	2.4	4.0	2.3
74	7.0	5.8	4.2	2.2	3.8	2.1
72	6.6	5.4	3.9	2.1	3.6	2.0
70	6.2	5.1	3.6	2.0	3.2	1.9
68	5.7	4.9	3.3	1.9	2.9	1.9
66	4.9	4.2	2.9	1.8	2.5	1.8
64	4.2	3.5	2.6	1.7	2.1	1.7
62	3.6	3.0	2.2	1.6	1.7	1.4
60	3.1	2.5	1.8	1.5	1.3	1.1
58	2.7	2.1	1.4	1.2	1.0	0.9
56	2.3	1.8	1.1	1.0	0.8	
54	2.0	1.5	0.9	0.8		
52	1.6	1.2				
50	1.4	1.0				
48	1.1					
46	1.0					
44						
42						
40						
38						
Reeving	2	1	1			
Hook	18t		8t			

Table 39 Rated capacity chart with extension

Unit: t

Boom angle (°)	Boom + extension (m)	Boom + extension + jib (m)				
	Outriggers fully extended, over side or rear working area, 7.5t counterweight					
	56.8+9.5	60.5+9.5	56.8+9.5+10.4	56.8+9.5+17.5	60.5+9.5+10.4	60.5+9.5+17.5
	0°	0°	0°	0°	0°	0°
80	8.5	6.5	4.5	2.7	4.0	2.5
78	8.0	6.4	4.5	2.5	4.0	2.5
76	7.5	6.2	4.5	2.4	3.9	2.3
74	6.9	5.7	4.2	2.2	3.7	2.1
72	5.9	5.0	3.7	2.1	3.1	2.0
70	4.9	4.1	3.0	2.0	2.4	1.9
68	4.0	3.3	2.4	1.9	1.9	1.6
66	3.3	2.7	1.9	1.6	1.4	1.2
64	2.7	2.2	1.5	1.2	1.1	0.9
62	2.2	1.7	1.1	0.9		
60	1.8	1.4	0.8			
58	1.4	1.0				
56	1.1					
54	0.9					
52						
50						
48						
46						
44						
42						
40						
38						
Reeving	2	1	1			
Hook	18t		8t			

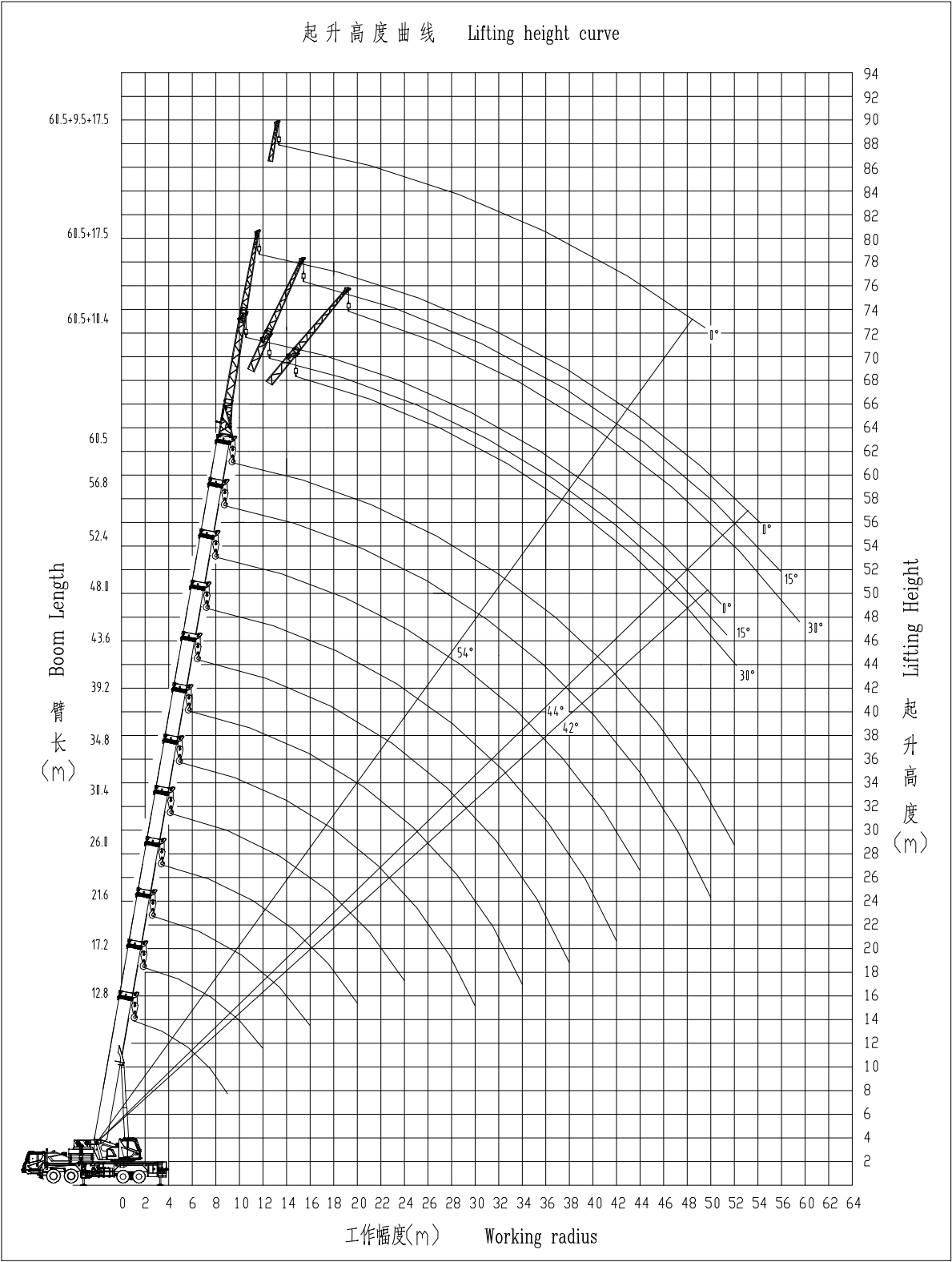
Table 40 Rated capacity chart with extension

Unit: t

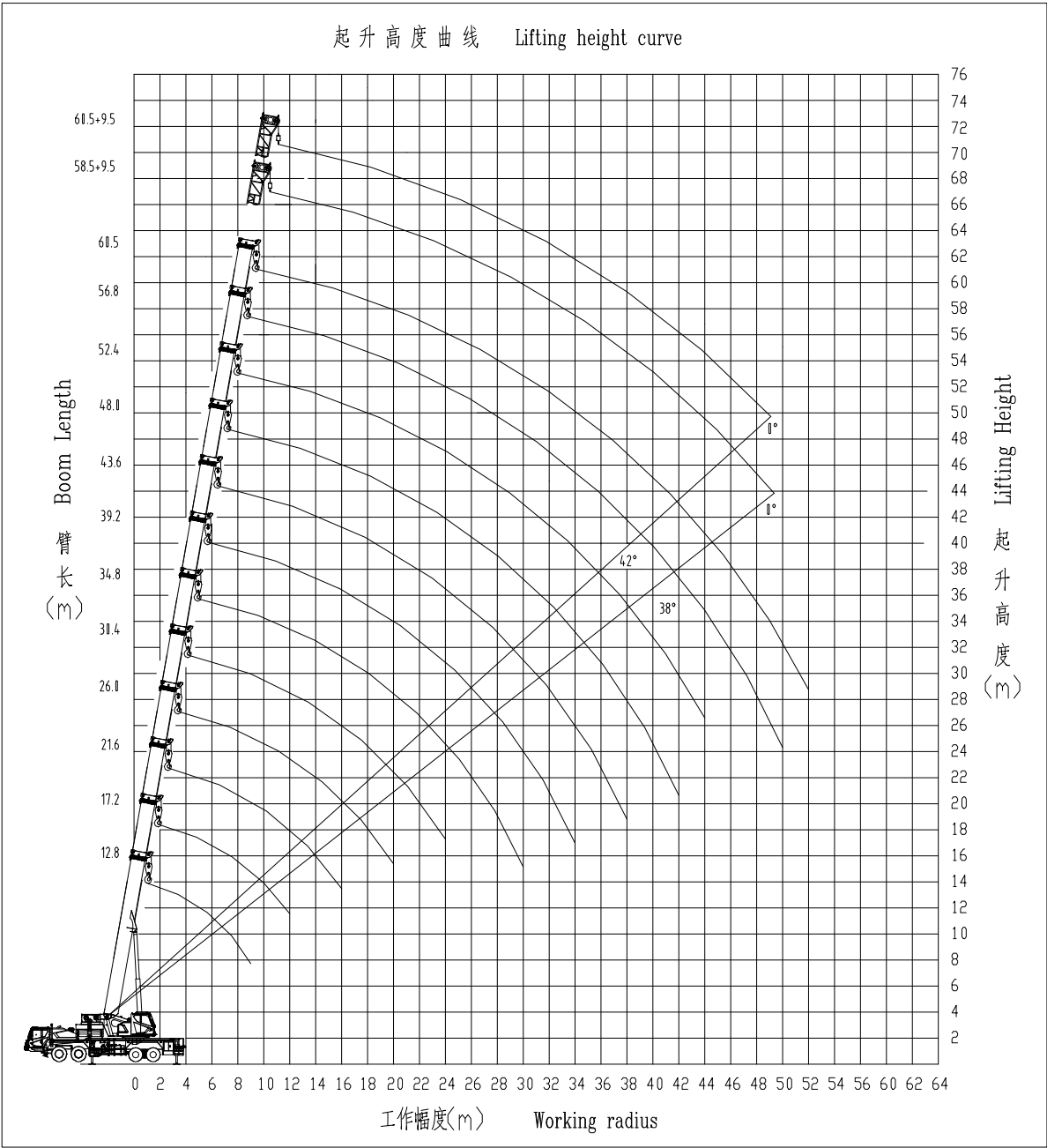
Boom angle (°)	Boom + extension (m)	Boom + extension + jib (m)				
	Outriggers fully extended, over side or rear working area, 1.5t counterweight					
	56.8+9.5	60.5+9.5	56.8+9.5+10.4	56.8+9.5+17.5	60.5+9.5+10.4	60.5+9.5+17.5
	0°	0°	0°	0°	0°	0°
80	8.5	6.5	4.5	2.7	4.0	2.5
78	8.0	6.2	4.3	2.5	3.7	2.5
76	6.7	5.7	4.1	2.4	3.5	2.3
74	5.3	4.4	3.2	2.2	2.6	2.1
72	4.2	3.4	2.5	2.0	1.9	1.6
70	3.3	2.6	1.9	1.5	1.4	1.1
68	2.5	2.0	1.3	1.1	0.9	
66	1.9	1.5	0.9			
64	1.4	1.0				
62	1.0					
60						
58						
56						
54						
52						
50						
48						
46						
44						
42						
40						
38						
Reeving	2	1	1			
Hook	18t		8t			

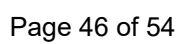
2.4 Lifting height charts

Main boom + jib + extension



Main boom + extension





3 Specifications, superstructure

3.1 Boom and telescoping system

One basic boom and 5 telescopic sections welded from high-tensile steel ($\delta_s = 960 \text{ MPa}$)

U-shaped boom profile provides the boom with excellent bending-resistance capacity, super load bearing capacity, light deadweight, large lateral stiffness and small end deflection. Main boom head applies a new plate structure which makes the connection among boom sections becomes larger. Self-created built-in sliding block and a series of optimized design have the deadweight of the boom greatly decreased and the stress on the boom evenly distributed to avoid partial distortion. Furthermore, the boom has good guidance quality and adjustability.

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

It consists of two jib sections and is folded on the side of main boom when it is not used and can be installed and removed by inserted pins.

Both jib sections are of a quadrilateral lattice structure.

Jib section 1 is articulated on the head of top boom section with pins and can be assembled below an angle of 0° , 15° or 30° to the telescopic boom according to your needs. The offset can be conveniently changed via the pins and pull bracket.

The optional 9.5m extension can not only be used with the main boom individually, but also with the main boom as well as the jib together. But it cannot attached with the crane during driving.

Jib length:

Jib section 1: 10.4 m

Jib section 1 + jib section 2: 17.5 m

3.3 Rooster sheave

It is inserted at the boom head of telescopic boom section 5. This option is set up for rapid hoists over the boom head to improve the work efficiency when the loads are light.

3.4 Slewing platform

Single ribbed plate structured and optimized slewing platform made from high-strength steel plate makes the layout of articulated points of main boom and derricking mechanism more reasonable. It also has a novel style and beautiful figure.

The engine hood is of a human-based layout.

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

3.5 Derricking mechanism

1 front-mounted hydraulic cylinder with safety balance valve provides the boom with smooth derricking movements from -1° to 80° .

3.6 Slewing mechanism

The slewing mechanism is equipped with double slewing gears.

Via the planetary gear reducer, the hydraulic motor drives the pinion gear on the output shaft to rotate the exterior toothed ring of slewing ring fixed on chassis frame, providing superstructure with 360° unlimited slewing.

The slewing mechanism is of controllable aligning function, which can make the load be aligned automatically during operation. Slewing cushion valve and normally-closed brake can ensure stable and reliable slewing operation of the crane. 4-point contact ball-type slewing ring ensures the slewing platform with super-strong load bearing capability and long service life.

3.7 Hoist mechanism

It consists of main and auxiliary hoist mechanisms.

The two hoist mechanisms are driven by hydraulic variable motor with built-in planetary gear reducer to lift or lower the hook. A brake is fitted between the motor and reducer.

The two winch mechanisms can be controlled independently and also can carry out simultaneous movements.

Models of main and auxiliary winch reducers are the same.

Main and auxiliary winch adopt variable pumps.

The lowering limit switch is fitted on the main winch.

The built-in planetary reducer is of compact structure, light deadweight and high reliability.

Specifications for high-tensile torsion resistant hoist rope:

Diameter: $\phi 20.0$ mm

Strength grade: 1960 N/mm²

Length of main hoist rope: 310 m

Length of auxiliary hoist rope: 220 m

3.8 Main and auxiliary hooks

Rotatable main hook: 60 t, with 5 pulleys, press nipple and hook safety device

Rotatable auxiliary hook (1 reeving): 8 t, with hook safety device

There are multiple optional hooks available, as shown in the table below.

Hook model	Number of pulleys	Max. reeving	Weight	Remarks
90 t	7	12	830 kg	Straight shank with double hooks (optional)
80 t	6	12	685 kg	Straight shank with single hook (optional)
70 t	6	12	689 kg	Straight shank with single hook (optional)
60 t	6	12	662 kg	Straight shank with double hooks (optional)
60 t	5	10	510 kg	Straight shank with single hook (Standard configuration)
60 t	6	12	670 kg	Straight shank with single hook (optional)
35 t	3	7	380 kg	Straight shank with single hook (optional)
18 t	1	2	280 kg	Straight shank with single hook (optional)
8 t	—	1	200 kg	Standard configuration

3.9 Operator's cab

It is of steel-structure welded with right-mounted instrument console and adjustable seat with headrest. The standard tilting mechanism can tilt backwars by 20°. It is equipped with two joysticks, windshield wiper, washing system, air conditioning and heater. The arrangement provides spacious operating space, reasonable arrangement, human-based design, convenient and safe operation.

3.10 Outriggers

H-type outriggers are in box-shaped structure and welded of low-alloy and high-strength steel plate.

2-section horizontal sliding beam can be extended and retracted with a horizontal cylinder and a set of outrigger extension / retraction rope. Large outrigger span ensures stability of the crane.

The outrigger pad which is mounted at the bottom of vertical cylinder can be pushed inwards (to avoid the complete vehicle from being over-wide during driving) and pulled outwards (for convenient operation) to greatly reduce the labor intensity. After the outriggers are completely extended or retracted, the outrigger pads can be locked with retaining pins.

Outrigger control levers are fitted on both sides of the vehicle for controlling the outriggers to extend or retract simultaneously or independently. Each vertical cylinder is equipped with a two-way hydraulic lock to ensure stable and reliable operation of the crane.

In addition, the crane also can work with outriggers intermediately extended for narrow area operation.

The 5th outrigger is installed beneath the driver's cab. The crane can realize full range slewing operation with the 5th outrigger set up.

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 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, operator's cab tilting angle regulation, providing stable brake performance and high system reliability.

3.12 Electrical system

Double wire system, 24 Volt DC.

The electrical system consists of superstructure electrical system and chassis electrical system.

The superstructure electrics apply the data bus technology which effectively decreases the number 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.

The electrical system of chassis includes media player, air conditioning and cab heater, providing excellent driving performance and comfortable driving environment.

3.13 Safety devices

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

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

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

The basic parameters, such as moment ratio, boom angle, main boom length, working radius, actual lifting capacity, maximum permissible lifting capacity and maximum permissible 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) Hoisting limit switch
- b) Hook safety device
- c) Lowering limit switch
- d) The 5th outrigger overpressure protection device
- e) Two-way hydraulic lock
- f) Balance valve
- g) Relief valve
- h) Wireless counterweight control device.

3.14 Air conditioning and heater

The operator's cab is equipped with special air conditioning and heater for vehicle.

3.15 Counterweight

An under-slung movable counterweight plates, whose total weight is 23.5 t (standard configuration). Different combinations can be produced according to the operating mode selected. The movable counterweight plates are moved by the counterweight handler at the end of the slewing platform.

The complete counterweight system consists of one 1.5 t fixed counterweight plate, one 6t auxiliary counterweight plate, one 8t upper movable counterweight plate, and one 8t lower movable counterweight plate, which is 23.5t in total. There are four combinations of these counterweight plates.

Combination 1: 1.5 t fixed counterweight plate

Combination 2: 1.5 t fixed counterweight plate + 6 t auxiliary counterweight plate

Combination 3: 1.5 t fixed counterweight plate + 6 t auxiliary counterweight plate + 8 t lower movable counterweight

Combination 4: 1.5 t fixed counterweight plate + 6 t auxiliary counterweight plate + 8 t lower movable counterweight + 8 t upper movable counterweight plate

Among them, the 1.5 t fixed counterweight are secured through bolts, and the 6 t auxiliary counterweight plate is secured behind the winch through pins, and the movable counterweight plates are lifted through the lifting cylinder.

4 Specifications, chassis

Chassis	Engine	Model	YCK11430-50
		Rated power kW/r/min	316/1900
		Max. output torque N.m/r/min	2079/1100-1500
		Manufacturer	Guangxi Yuchai Machine Co., Ltd.
	Model		ZLJ5500JQZV6
	Type		II
	Code		ZLJ5500JQZV6.8
	Limits for exhaust pollutants and smoke		Comply with GB3847-2018 / GB17691-2018 (Euro V)
	Manufacturer		Zoomlion Heavy Industry Science & Technology Co., Ltd.

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

Appendix

Table – Main purchased parts and manufacturers

Ser. No.	Description	Manufacturer	Remarks
1	Main valve	Changde Zoomlion Heavy Industry Science & Technology Hydraulic Co., Ltd.	
2	Plunger pump (variable pump)	Avic Liyuan Hydraulic Co., Ltd.	
		Hi-tech Hydraulic Co., Ltd.	
	Gear pump	Hefei Wanye Hydraulic Component Co., Ltd.	
3	Winch motor	Hi-tech Hydraulic Co., Ltd.	
		Avic Liyuan Hydraulic Co., Ltd.	
4	Winch reducer	Xuzhou Keyuan Hydraulic Co., Ltd.	
		Zhuzhou Gear Co., Ltd.	
5	Slewing motor	Hi-tech Hydraulic Co., Ltd.	
		Avic Liyuan Hydraulic Co., Ltd.	
6	Slewing reducer	Xuzhou Keyuan Hydraulic Co., Ltd.	
		Taishan Fushen Gear Co., Ltd.	
7	Slewing ring	Yantai HaoYang Machinery Co., Ltd.	
		Fangyuan Fine Machinery Co., Ltd.	
8	Telescopic cylinder	Hunan Teli Hydraulic Co., Ltd.	
9	Derricking cylinder	Hunan Teli Hydraulic Co., Ltd.	
10	Horizontal cylinder	Hunan Teli Hydraulic Co., Ltd.	
		Hubei Jiaheng Technology Co., Ltd.	
11	Vertical cylinder	Hunan Teli Hydraulic Co., Ltd.	
		Hubei Jiaheng Technology Co., Ltd.	
12	Balance valve – telescoping mechanism	Changde Zoomlion Heavy Industry Science & Technology Hydraulic Co., Ltd.	
13	Balance valve – derricking mechanism	Changde Zoomlion Heavy Industry Science & Technology Hydraulic Co., Ltd.	
14	Balance valve – hoist mechanism	Changde Zoomlion Heavy Industry Science & Technology Hydraulic Co., Ltd.	
15	Wire rope	Shanghai Junwei Wire Rope And Slings Co., Ltd.	

Ser. No.	Description	Manufacturer	Remarks
		Fuxing New Material Technology Co., Ltd.	
16	Hook	Changsha Lanying Industry Co., Ltd.	
		Zhangqiu Heavy Forge Co., Ltd.	
17	Load moment limiter	Hunan ZoomlionHeavy Industry Science & Technology Intelligent Technology Co., Ltd.	
18	Operator's cab assy.	Yangzhou Shenzhou Vehicle Interior Decorative Parts Ltd., Co.	

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.