

ZOOMLION

ZOOMLION ZTC1100V TRUCK CRANE

TECHNICAL SPECIFICATIONS

ZTC1100V663/27Y

Zoomlion Heavy Industry Science & Technology Co.,Ltd.

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1 Product characteristics

ZOOMLION ZTC1100V truck crane, which integrates Zoomlion's many years of experience in designing and manufacturing mobile cranes with advanced technology, is a new generation of high-performance product developed to meet the market demands. Its performances, such as lifting height, 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 pilot-operated 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 latest electro-hydraulic proportional directional control valve with load sensitive feedback, 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 among "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, etc. 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
Product code:	ZTC1100V663

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 boom	kN.m	2165	
	Max. lifting height of basic boom	m	14,1	
	Max. lifting height of boom	m	60,7	
	Max. lifting height of jib	m	78,0	Boom length: 60m
	Max. lifting height of jib With optional 9.5m extension	m	87,3	Boom length: 60m
Working speeds	Max. hoist rope speed (main winch)	m/min	130	
	Max. hoist rope speed (auxiliary winch)	m/min	110	
	Boom derricking up time	s	80	
	Boom telescoping out time	s	650	
	Slewing speed	r/min	0-1.6	
Driving	Max. driving speed	km/h	89	
	Max. gradeability	%	45	
	Min. turning diameter	m	24	
	Min. ground clearance	mm	282	
	Fuel consumption per hundred kilometers	L	46	
Mass	Deadweight in driving condition	kg	45000	
	Complete vehicle kerb mass	kg	44805	
	Front axle load	kg	22000	
	Rear axle load	kg	23000	
Dimensions	Overall dimensions (L×W×H)	mm	15000×2800×3910	
	Longitudinal distance between outriggers	m	6,5	
	Transversal distance between outriggers	m	Completely extended: 8.0 m	
	Tail slewing radius	mm	4575	
	Boom length	m	12.7-60.0	
	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		

	Tip boom length	m	3	Optional
	Tip boom angle	°	30	

2.3 Rated capacity chart

This crane is provided with various rated capacity charts. The operator should select proper rated lifting load referring to resp. rated capacity charts according to actual working conditions.

1. For a rated capacity $\leq 60t$, a 60 t hook should be used;
2. For $60t < \text{rated capacity} \leq 70t$, a 70 t hook should be used;
3. For $70t < \text{rated capacity} \leq 80t$, an 80 t hook should be used; the reeving is 13 and an additional device should be installed.

For rated capacities marked with **, 110 t is the nominal capacity.

Table 1 Rated capacity chart

Unit: ton

Outriggers fully extended to 8m, 27t counterweight, over side or rear working area													
Working radius (m)	Boom length (m)											Working radius (m)	
	12.7★	17.0	17.0	17.0	17.0★		21.3	21.3	21.3	21.3	21.3★		
2.5	110.0**												2.5
3.0	80.0	46.0	75.0	75.0	75.0		33.5	50.0	68.0	68.0	68.0		3.0
3.5	78.0	43.0	74.0	74.0	74.0		31.5	47.5	67.0	68.0	68.0		3.5
4.0	76.0	41.0	73.0	73.0	73.0		29.5	45.5	65.0	67.0	67.0		4.0
4.5	72.0	39.0	68.0	68.0	68.0		28.0	43.5	63.0	66.0	66.0		4.5
5.0	66.0	37.0	64.0	64.0	64.0		26.3	41.5	60.0	62.5	62.5		5.0
6.0	60.5	34.0	56.0	56.0	56.0		23.8	38.0	53.0	53.5	53.5		6.0
7.0	50.0	31.0	48.5	48.5	48.5		21.5	35.5	46.0	46.0	46.0		7.0
8.0	43.0	29.0	42.0	42.0	42.0		19.8	33.0	42.0	42.0	41.0		8.0
9.0	37.0	27.0	38.0	38.0	37.0		18.2	31.0	38.0	38.0	37.0		9.0
10.0		25.5	34.5	34.0	33.0		16.9	29.0	34.0	34.0	33.0		10.0
11.0		24.0	33.5	33.0	32.0		15.7	27.5	33.0	33.0	31.8		11.0
12.0		23.0	29.0	28.5	27.5		14.8	25.5	29.5	28.5	27.3		12.0
14.0							13.0	22.5	23.0	22.0	19.8		14.0
16.0							11.8	19.0	18.5	17.5	16.3		16.0
Reeving	12											Reeving	
Hook	60t anchor hook											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

Table 2 Rated capacity chart (with boom only)

Unit: ton

Outriggers fully extended to 8m, 27t counterweight, over side or rear working area													
Working radius (m)	Boom length (m)											Working radius (m)	
	25.6	25.6	25.6	25.6	25.6★		29.9	29.9	29.9	29.9	29.9★		
3.0													3.0
3.5													3.5
4.0	32.0	34.5	49.0	60.0	60.0								4.0
4.5	30.5	32.0	46.5	56.0	56.0								4.5
5.0	29.0	30.0	44.0	53.0	53.0		26.5	32.5	33.0	53.0	54.0		5.0
6.0	26.5	27.0	41.5	50.0	50.0		24.0	29.0	29.5	50.0	50.0		6.0
7.0	24.0	24.5	39.0	47.0	47.0		21.5	26.5	26.5	47.0	47.0		7.0
8.0	22.4	22.4	36.5	42.0	42.0		19.5	24.0	24.0	43.0	43.0		8.0
9.0	20.5	20.5	34.5	37.0	37.0		18.0	22.0	22.0	38.0	38.0		9.0
10.0	18.8	18.8	32.0	35.0	34.0		16.5	20.0	20.0	36.0	35.0		10.0
11.0	17.5	17.5	29.5	33.5	31.5		15.4	18.5	18.5	33.0	32.0		11.0
12.0	16.4	16.4	27.5	29.5	28.0		14.3	17.5	17.5	30.0	28.5		12.0
14.0	14.4	14.4	24.0	23.0	21.5		12.5	15.2	15.2	24.0	22.5		14.0
16.0	12.8	12.8	19.5	18.5	17.0		11.0	13.5	13.5	19.3	18.0		16.0
18.0	11.5	11.5	16.1	15.1	13.8		10.0	12.0	12.0	16.0	14.7		18.0
20.0	10.5	10.5	13.6	12.6	11.3		9.0	10.9	10.9	13.5	12.2		20.0
22.0							8.2	9.9	9.9	11.5	10.2		22.0
24.0							7.5	9.1	9.1	9.9	8.6		24.0
Reeving	10							9					Reeving
Hook	60t anchor hook											Hook	
Telescoping mode	I	1	1	1	1	2		1	1	1	1	2	I
	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: ton

Outriggers fully extended to 8m, 27t counterweight, over side or rear working area														
Working radius (m)	Boom length (m)											Working radius (m)		
	34.2	34.2	34.2	34.2	34.2★		38.5	38.5	38.5	38.5	38.5★			
3.0													3.0	
3.5													3.5	
4.0													4.0	
4.5													4.5	
5.0													5.0	
6.0	26.5	26.5	32.0	40.0	43.0								6.0	
7.0	23.5	23.5	29.0	36.5	40.0		22.0	26.0	31.5	36.0	36.0		7.0	
8.0	21.5	21.5	27.0	33.5	37.5		20.0	24.0	29.0	33.0	34.0		8.0	
9.0	20.0	20.0	25.0	30.5	35.0		18.5	22.0	27.0	31.0	32.0		9.0	
10.0	18.0	18.0	23.0	28.0	33.0		17.0	20.5	25.0	29.0	30.0		10.0	
11.0	17.0	17.0	21.5	26.0	30.0		15.5	19.0	23.0	27.0	28.0		11.0	
12.0	15.7	15.5	20.0	24.2	28.5		14.5	17.8	21.5	25.0	26.0		12.0	
14.0	13.7	13.5	17.5	21.2	23.2		12.5	15.6	19.0	22.0	22.5		14.0	
16.0	12.2	12.0	15.5	19.0	18.6		11.0	13.8	16.8	18.5	18.0		16.0	
18.0	11.0	10.8	14.0	15.8	15.4		10.0	12.3	15.0	15.4	15.0		18.0	
20.0	9.9	9.7	12.8	13.3	12.9		9.0	11.1	13.5	12.9	12.5		20.0	
22.0	9.0	8.8	11.5	11.4	11.0		8.1	10.1	11.5	10.9	10.5		22.0	
24.0	8.2	8.0	10.0	9.8	9.4		7.4	9.2	10.0	9.3	8.9		24.0	
26.0	7.6	7.4	8.7	8.5	8.1		6.8	8.5	8.7	8.0	7.6		26.0	
28.0	7.0	6.8	7.6	7.4	7.0		6.3	7.8	7.6	6.9	6.5		28.0	
30.0							5.8	7.0	6.6	6.0	5.6		30.0	
32.0							5.4	6.2	5.8	5.2	4.8		32.0	
Reeving	7						6					Reeving		
Hook	60t anchor hook											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: ton

Outriggers fully extended to 8m, 27t counterweight, over side or rear working area													
Working radius (m)	Boom length (m)											Working radius (m)	
	42.8	42.8	42.8	42.8★	47.1	47.1	47.1★	51.4	51.4★	55.7★	60★		
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	19.5	23.0	27.0	27.5									9.0
10.0	18.5	21.5	25.5	26.0	18.5	21.5	23.0						10.0
11.0	17.0	20.0	24.0	24.5	17.5	20.0	21.5	17.5	19.5				11.0
12.0	16.0	18.8	22.5	23.0	16.0	18.5	20.5	16.5	18.5	15.0			12.0
14.0	14.0	16.6	19.8	20.5	14.5	17.0	18.5	15.0	16.5	14.5	12.5		14.0
16.0	12.3	14.8	17.5	18.0	13.2	15.5	16.5	13.5	15.0	14.0	11.5		16.0
18.0	11.0	13.2	15.5	15.0	11.8	14.0	15.0	12.5	13.5	12.5	11.0		18.0
20.0	10.0	12.0	13.1	12.5	10.6	12.5	12.7	11.5	12.5	11.5	10.5		20.0
22.0	9.1	10.9	11.1	10.5	9.6	11.4	10.7	10.5	11.0	10.5	9.5		22.0
24.0	8.3	9.9	9.6	9.0	8.9	9.8	9.1	9.6	9.5	9.5	9.0		24.0
26.0	7.6	8.9	8.3	7.7	8.2	8.5	7.8	8.8	8.2	8.5	8.5		26.0
28.0	7.0	7.8	7.1	6.5	7.5	7.4	6.7	7.8	7.1	7.5	7.5		28.0
30.0	6.5	6.9	6.2	5.6	7.0	6.5	5.8	6.9	6.2	6.6	6.6		30.0
32.0	6.0	6.1	5.4	4.8	6.4	5.7	5.0	6.0	5.3	5.7	5.7		32.0
34.0	5.7	5.4	4.7	4.1	5.7	5.0	4.3	5.3	4.6	5.0	5.0		34.0
36.0	5.3	4.8	4.1	3.5	5.1	4.3	3.7	4.7	4.0	4.4	4.4		36.0
38.0					4.6	3.8	3.2	4.2	3.5	3.8	3.9		38.0
40.0					4.1	3.3	2.7	3.7	3.0	3.3	3.4		40.0
42.0								3.2	2.6	2.9	3.0		42.0
44.0								2.8	2.2	2.5	2.6		44.0
46.0										2.1	2.2		46.0
48.0										1.8	1.9		48.0
50.0											1.6		50.0
52.0											1.3		52.0
Reeving	5				4				3				Reeving
Hook	60t anchor hook											Hook	
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I
	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: ton

Outriggers fully extended to 8m, 22t counterweight, over side or rear working area													
Working radius (m)	Boom length (m)											Working radius (m)	
	12.7★	17.0	17.0	17.0	17.0★		21.3	21.3	21.3	21.3	21.3★		
2.5	110.0**												2.5
3.0	80.0	46.0	75.0	75.0	75.0		33.5	50.0	68.0	68.0	68.0		3.0
3.5	78.0	43.0	74.0	74.0	74.0		31.5	47.5	67.0	68.0	68.0		3.5
4.0	76.0	41.0	73.0	73.0	73.0		29.5	45.5	65.0	67.0	67.0		4.0
4.5	72.0	39.0	68.0	68.0	68.0		28.0	43.5	63.0	66.0	66.0		4.5
5.0	66.0	37.0	64.0	64.0	64.0		26.3	41.5	60.0	62.5	62.5		5.0
6.0	60.5	34.0	56.0	56.0	56.0		23.8	38.0	53.0	53.5	53.5		6.0
7.0	50.0	31.0	48.5	48.5	48.5		21.5	35.5	46.0	46.0	46.0		7.0
8.0	43.0	29.0	42.0	42.0	42.0		19.8	33.0	42.0	42.0	41.0		8.0
9.0	37.0	27.0	38.0	38.0	37.0		18.2	31.0	38.0	38.0	37.0		9.0
10.0		25.5	34.5	34.0	33.0		16.9	29.0	34.0	34.0	33.0		10.0
11.0		24.0	30.0	29.5	29.0		15.7	27.5	30.5	30.0	28.5		11.0
12.0		23.0	26.0	25.5	25.0		14.8	25.5	26.5	25.5	24.3		12.0
14.0							13.0	21.0	20.5	19.5	18.3		14.0
16.0							11.8	17.0	16.5	15.5	14.2		16.0
Reeving	12											Reeving	
Hook	60t anchor hook											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

Table 6 Rated capacity chart (with boom only)

Unit: ton

Outriggers fully extended to 8m, 22t counterweight, over side or rear working area														
Working radius (m)	Boom length (m)											Working radius (m)		
	25.6	25.6	25.6	25.6	25.6★		29.9	29.9	29.9	29.9	29.9★			
3.0													3.0	
3.5													3.5	
4.0	32.0	34.5	49.0	60.0	60.0								4.0	
4.5	30.5	32.0	46.5	56.0	56.0								4.5	
5.0	29.0	30.0	44.0	53.0	53.0		26.5	32.5	33.0	53.0	54.0		5.0	
6.0	26.5	27.0	41.5	50.0	50.0		24.0	29.0	29.5	50.0	50.0		6.0	
7.0	24.0	24.5	39.0	47.0	47.0		21.5	26.5	26.5	47.0	47.0		7.0	
8.0	22.4	22.4	36.5	42.0	42.0		19.5	24.0	24.0	43.0	43.0		8.0	
9.0	20.5	20.5	34.5	37.0	37.0		18.0	22.0	22.0	38.0	38.0		9.0	
10.0	18.8	18.8	32.0	35.0	34.0		16.5	20.0	20.0	36.0	35.0		10.0	
11.0	17.5	17.5	29.5	30.5	29.0		15.4	18.5	18.5	31.5	29.5		11.0	
12.0	16.4	16.4	27.5	26.5	25.0		14.3	17.5	17.5	27.0	25.5		12.0	
14.0	14.4	14.4	21.5	20.5	19.0		12.5	15.2	15.2	21.5	20.0		14.0	
16.0	12.8	12.8	17.5	16.4	15.0		11.0	13.5	13.5	17.0	15.5		16.0	
18.0	11.5	11.5	14.3	13.4	12.0		10.0	12.0	12.0	14.0	12.7		18.0	
20.0	10.5	10.5	12.0	11.1	9.7		9.0	10.9	10.9	11.8	10.5		20.0	
22.0							8.2	9.9	9.9	10.0	8.8		22.0	
24.0							7.5	9.1	9.0	8.6	7.3		24.0	
Reeving	10						9					Reeving		
Hook	60t anchor hook											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: ton

Outriggers fully extended to 8m, 22t counterweight, over side or rear working area														
Working radius (m)	Boom length (m)											Working radius (m)		
	34.2	34.2	34.2	34.2	34.2★		38.5	38.5	38.5	38.5	38.5★			
3.0													3.0	
3.5													3.5	
4.0													4.0	
4.5													4.5	
5.0													5.0	
6.0	26.5	26.5	32.0	40.0	43.0								6.0	
7.0	23.5	23.5	29.0	36.5	40.0		22.0	26.0	31.5	36.0	36.0		7.0	
8.0	21.5	21.5	27.0	33.5	37.5		20.0	24.0	29.0	33.0	34.0		8.0	
9.0	20.0	20.0	25.0	30.5	35.0		18.5	22.0	27.0	31.0	32.0		9.0	
10.0	18.0	18.0	23.0	28.0	33.0		17.0	20.5	25.0	29.0	30.0		10.0	
11.0	17.0	17.0	21.5	26.0	30.0		15.5	19.0	23.0	27.0	28.0		11.0	
12.0	15.7	15.5	20.0	24.2	26.5		14.5	17.8	21.5	25.0	26.0		12.0	
14.0	13.7	13.5	17.5	21.2	20.5		12.5	15.6	19.0	20.5	20.0		14.0	
16.0	12.2	12.0	15.5	17.0	16.5		11.0	13.8	16.8	16.5	16.0		16.0	
18.0	11.0	10.8	14.0	14.0	13.5		10.0	12.3	14.0	13.3	12.9		18.0	
20.0	9.9	9.7	12.0	11.7	11.2		9.0	11.1	12.0	11.3	10.9		20.0	
22.0	9.0	8.8	10.2	9.9	9.4		8.1	10.1	10.0	9.3	8.9		22.0	
24.0	8.2	8.0	8.7	8.4	7.9		7.4	9.1	8.6	7.9	7.5		24.0	
26.0	7.6	7.4	7.5	7.2	6.7		6.8	7.9	7.5	6.8	6.4		26.0	
28.0	7.0	6.8	6.5	6.2	5.7		6.3	6.9	6.5	5.8	5.4		28.0	
30.0							5.8	6.0	5.6	4.9	4.5		30.0	
32.0							5.4	5.3	4.8	4.1	3.7		32.0	
Reeving	7							6					Reeving	
Hook	60t anchor hook											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: ton

Outriggers fully extended to 8m, 22t counterweight, over side or rear working area													
Working radius (m)	Boom length (m)											Working radius (m)	
	42.8	42.8	42.8	42.8 ★	47.1	47.1	47.1 ★	51.4	51.4 ★	55.7 ★	60 ★		
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	19.5	23.0	27.0	27.5									9.0
10.0	18.5	21.5	25.5	26.0	18.5	21.5	23.0						10.0
11.0	17.0	20.0	24.0	24.5	17.5	20.0	21.5	17.5	19.5				11.0
12.0	16.0	18.8	22.5	23.0	16.0	18.5	20.5	16.5	18.5	15.0			12.0
14.0	14.0	16.6	19.8	20.5	14.5	17.0	18.5	15.0	16.5	14.5	12.5		14.0
16.0	12.3	14.8	16.9	16.0	13.2	15.5	16.5	13.5	15.0	14.0	11.5		16.0
18.0	11.0	13.2	13.9	13.0	11.8	14.0	13.5	12.5	13.5	12.5	11.0		18.0
20.0	10.0	12.0	11.5	10.5	10.6	11.5	11.0	11.5	11.5	11.5	10.5		20.0
22.0	9.1	10.5	9.7	9.0	9.6	10.0	9.3	10.5	9.7	10.0	9.5		22.0
24.0	8.3	9.0	8.3	7.6	8.9	8.6	7.9	9.0	8.2	8.5	8.7		24.0
26.0	7.6	7.8	7.1	6.4	8.2	7.4	6.7	7.8	7.0	7.3	7.5		26.0
28.0	7.0	6.8	6.1	5.4	7.1	6.3	5.6	6.7	6.0	6.3	6.4		28.0
30.0	6.5	5.9	5.2	4.6	6.3	5.5	4.8	5.9	5.2	5.5	5.6		30.0
32.0	5.7	5.2	4.5	3.9	5.6	4.8	4.1	5.2	4.5	4.8	4.9		32.0
34.0	5.0	4.5	3.8	3.2	4.9	4.1	3.4	4.5	3.8	4.1	4.2		34.0
36.0	4.4	3.9	3.2	2.6	4.3	3.5	2.8	3.9	3.2	3.5	3.6		36.0
38.0					3.8	3.0	2.3	3.4	2.7	3.0	3.1		38.0
40.0					3.3	2.5	1.8	2.9	2.2	2.5	2.6		40.0
42.0								2.5	1.8	2.1	2.2		42.0
44.0								2.1	1.4	1.7	1.8		44.0
46.0										1.4	1.5		46.0
48.0										1.2	1.2		48.0
50.0											1.0		50.0
Reeving	5					4					3		Reeving
Hook	60t anchor hook											Hook	
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I
	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: ton

Outriggers fully extended to 8m, 18t counterweight, over side or rear working area													
Working radius (m)	Boom length (m)											Working radius (m)	
	12.7★	17.0	17.0	17.0	17.0★		21.3	21.3	21.3	21.3	21.3★		
2.5	110.0**												2.5
3.0	80.0	46.0	75.0	75.0	75.0		33.5	50.0	68.0	68.0	68.0		3.0
3.5	78.0	43.0	74.0	74.0	74.0		31.5	47.5	67.0	68.0	68.0		3.5
4.0	76.0	41.0	73.0	73.0	73.0		29.5	45.5	65.0	67.0	67.0		4.0
4.5	72.0	39.0	68.0	68.0	68.0		28.0	43.5	63.0	66.0	66.0		4.5
5.0	66.0	37.0	64.0	64.0	64.0		26.3	41.5	60.0	62.5	62.5		5.0
6.0	60.5	34.0	56.0	56.0	56.0		23.8	38.0	53.0	53.5	53.5		6.0
7.0	50.0	31.0	48.5	48.5	48.5		21.5	35.5	46.0	46.0	46.0		7.0
8.0	43.0	29.0	42.0	42.0	42.0		19.8	33.0	42.0	42.0	41.0		8.0
9.0	37.0	27.0	38.0	38.0	37.0		18.2	31.0	38.0	38.0	37.0		9.0
10.0		25.5	32.0	31.5	30.5		16.9	29.0	33.0	32.0	30.5		10.0
11.0		24.0	27.5	27.0	26.0		15.7	27.5	28.0	27.0	25.5		11.0
12.0		23.0	23.5	23.0	22.0		14.8	24.5	23.0	22.0	20.5		12.0
14.0							13.0	19.0	18.0	17.5	16.0		14.0
16.0							11.8	15.5	14.5	14.0	12.5		16.0
Reeving	12											Reeving	
Hook	60t anchor hook											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

Table 10 Rated capacity chart (with boom only)

Unit: ton

Outriggers fully extended to 8m, 18t counterweight, over side or rear working area														
Working radius (m)	Boom length (m)											Working radius (m)		
	25.6	25.6	25.6	25.6	25.6★		29.9	29.9	29.9	29.9	29.9★			
3.0													3.0	
3.5													3.5	
4.0	32.0	34.5	49.0	60.0	60.0								4.0	
4.5	30.5	32.0	46.5	56.0	56.0								4.5	
5.0	29.0	30.0	44.0	53.0	53.0		26.5	32.5	33.0	53.0	54.0		5.0	
6.0	26.5	27.0	41.5	50.0	50.0		24.0	29.0	29.5	50.0	50.0		6.0	
7.0	24.0	24.5	39.0	47.0	47.0		21.5	26.5	26.5	47.0	47.0		7.0	
8.0	22.4	22.4	36.5	42.0	42.0		19.5	24.0	24.0	43.0	43.0		8.0	
9.0	20.5	20.5	34.5	37.0	37.0		18.0	22.0	22.0	38.0	38.0		9.0	
10.0	18.8	18.8	32.0	33.0	31.5		16.5	20.0	20.0	34.0	32.0		10.0	
11.0	17.5	17.5	29.0	28.0	26.0		15.4	18.5	18.5	29.0	27.5		11.0	
12.0	16.4	16.4	24.0	23.0	21.5		14.3	17.5	17.5	24.0	23.0		12.0	
14.0	14.4	14.4	19.5	18.5	17.2		12.5	15.2	15.2	19.5	18.0		14.0	
16.0	12.8	12.8	15.5	14.5	13.2		11.0	13.5	13.5	15.5	14.2		16.0	
18.0	11.5	11.5	13.0	12.0	10.7		10.0	12.0	12.0	12.5	11.2		18.0	
20.0	10.5	10.5	10.8	9.8	8.5		9.0	10.9	10.9	10.5	9.2		20.0	
22.0							8.2	9.5	9.3	8.9	7.6		22.0	
24.0							7.5	8.2	8.0	7.6	6.3		24.0	
Reeving	10							9					Reeving	
Hook	60t anchor hook											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: ton

Outriggers fully extended to 8m, 18t counterweight, over side or rear working area														
Working radius (m)	Boom length (m)											Working radius (m)		
	34.2	34.2	34.2	34.2	34.2★		38.5	38.5	38.5	38.5	38.5★			
3.0													3.0	
3.5													3.5	
4.0													4.0	
4.5													4.5	
5.0													5.0	
6.0	26.5	26.5	32.0	40.0	43.0								6.0	
7.0	23.5	23.5	29.0	36.5	40.0		22.0	26.0	31.5	36.0	36.0		7.0	
8.0	21.5	21.5	27.0	33.5	37.5		20.0	24.0	29.0	33.0	34.0		8.0	
9.0	20.0	20.0	25.0	30.5	35.0		18.5	22.0	27.0	31.0	32.0		9.0	
10.0	18.0	18.0	23.0	28.0	32.0		17.0	20.5	25.0	29.0	30.0		10.0	
11.0	17.0	17.0	21.5	26.0	28.4		15.5	19.0	23.0	27.0	27.8		11.0	
12.0	15.7	15.5	20.0	24.2	24.5		14.5	17.8	21.5	24.4	24.0		12.0	
14.0	13.7	13.5	17.5	19.4	18.9		12.5	15.6	19.0	18.8	18.4		14.0	
16.0	12.2	12.0	15.5	15.5	15.0		11.0	13.8	15.6	14.9	14.5		16.0	
18.0	11.0	10.8	12.9	12.7	12.2		10.0	12.3	12.9	12.2	11.8		18.0	
20.0	9.9	9.7	10.8	10.6	10.1		9.0	11.1	10.7	10.0	9.6		20.0	
22.0	9.0	8.8	9.1	8.9	8.4		8.1	9.5	9.1	8.4	8.0		22.0	
24.0	8.2	8.0	7.8	7.6	7.1		7.4	8.1	7.7	7.0	6.6		24.0	
26.0	7.6	7.2	6.7	6.5	6.0		6.8	7.0	6.6	5.9	5.5		26.0	
28.0	6.6	6.2	5.7	5.5	5.0		6.3	6.0	5.6	5.0	4.6		28.0	
30.0							5.8	5.2	4.8	4.2	3.8		30.0	
32.0							5.1	4.5	4.1	3.5	3.1		32.0	
Reeving	7							6						Reeving
Hook	60t anchor hook												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: ton

Outriggers fully extended to 8m, 18t counterweight, over side or rear working area													
Working radius (m)	Boom length (m)											Working radius (m)	
	42.8	42.8	42.8	42.8★	47.1	47.1	47.1★	51.4	51.4★	55.7★	60★		
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	19.5	23.0	27.0	27.5								9.0	
10.0	18.5	21.5	25.5	26.0	18.5	21.5	23.0					10.0	
11.0	17.0	20.0	24.0	24.5	17.5	20.0	21.5	17.5	19.5			11.0	
12.0	16.0	18.8	22.5	23.0	16.0	18.5	20.5	16.5	18.5	15.0		12.0	
14.0	14.0	16.6	19.0	18.4	14.5	17.0	18.5	15.0	16.5	14.5	12.5	14.0	
16.0	12.3	14.8	15.1	14.5	13.2	15.5	14.8	13.5	14.5	14.0	11.5	16.0	
18.0	11.0	13.2	12.4	11.8	11.8	12.7	12.0	12.5	12.2	12.5	11.0	18.0	
20.0	10.0	11.1	10.3	9.7	10.6	10.6	9.9	11.0	10.2	10.5	10.0	20.0	
22.0	9.1	9.3	8.5	7.9	9.6	8.9	8.2	9.3	8.5	8.8	8.8	22.0	
24.0	8.3	8.0	7.3	6.7	8.4	7.6	6.9	8.0	7.2	7.6	7.6	24.0	
26.0	7.4	6.9	6.1	5.6	7.3	6.5	5.8	6.9	6.1	6.5	6.5	26.0	
28.0	6.4	5.9	5.2	4.6	6.3	5.5	4.8	5.9	5.1	5.6	5.6	28.0	
30.0	5.6	5.1	4.4	3.8	5.5	4.7	4.0	5.1	4.3	4.7	4.8	30.0	
32.0	4.9	4.4	3.7	3.1	4.8	4.0	3.3	4.4	3.6	4.0	4.1	32.0	
34.0	4.3	3.8	3.1	2.5	4.2	3.4	2.7	3.8	3.0	3.4	3.5	34.0	
36.0	3.7	3.2	2.5	2.0	3.6	2.8	2.2	3.2	2.5	2.8	2.9	36.0	
38.0					3.1	2.3	1.7	2.7	2.0	2.3	2.4	38.0	
40.0					2.7	1.9	1.3	2.3	1.6	1.9	2.0	40.0	
42.0								1.9	1.2	1.5	1.6	42.0	
44.0								1.6	0.9	1.2	1.3	44.0	
46.0										0.9	1.0	46.0	
Reeving	5				4				3				Reeving
Hook	60t anchor hook											Hook	
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I
	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: ton

Outriggers fully extended to 8m, 13t counterweight, over side or rear working area													
Working radius (m)	Boom length (m)											Working radius (m)	
	12.7★	17.0	17.0	17.0	17.0★		21.3	21.3	21.3	21.3	21.3★		
2.5	110.0**												2.5
3.0	80.0	46.0	75.0	75.0	75.0		33.5	50.0	68.0	68.0	68.0		3.0
3.5	78.0	43.0	74.0	74.0	74.0		31.5	47.5	67.0	68.0	68.0		3.5
4.0	76.0	41.0	73.0	73.0	73.0		29.5	45.5	65.0	67.0	67.0		4.0
4.5	72.0	39.0	68.0	68.0	68.0		28.0	43.5	63.0	66.0	66.0		4.5
5.0	66.0	37.0	64.0	64.0	64.0		26.3	41.5	60.0	62.5	62.5		5.0
6.0	60.5	34.0	56.0	56.0	56.0		23.8	38.0	53.0	53.5	53.5		6.0
7.0	50.0	31.0	48.5	48.5	48.5		21.5	35.5	46.0	46.0	46.0		7.0
8.0	35.0	29.0	40.0	40.0	40.0		19.8	33.0	42.0	41.0	39.0		8.0
9.0	30.0	27.0	33.0	32.5	31.5		18.2	31.0	33.0	32.0	30.0		9.0
10.0		25.5	27.0	26.5	25.5		16.9	29.0	28.0	27.0	25.5		10.0
11.0		24.0	22.5	22.0	21.0		15.7	24.0	23.0	22.0	20.5		11.0
12.0		20.0	19.5	19.0	18.0		14.8	21.0	20.0	19.0	18.0		12.0
14.0							13.0	16.0	15.0	14.0	13.0		14.0
16.0							11.8	13.0	12.0	11.0	10.0		16.0
Reeving	12											Reeving	
Hook	60t anchor hook											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

Table 14 Rated capacity chart (with boom only)

Unit: ton

Outriggers fully extended to 8m, 13t counterweight, over side or rear working area														
Working radius (m)	Boom length (m)											Working radius (m)		
	25.6	25.6	25.6	25.6	25.6★		29.9	29.9	29.9	29.9	29.9★			
3.0													3.0	
3.5													3.5	
4.0	32.0	34.5	49.0	60.0	60.0								4.0	
4.5	30.5	32.0	46.5	56.0	56.0								4.5	
5.0	29.0	30.0	44.0	53.0	53.0		26.5	32.5	33.0	53.0	54.0		5.0	
6.0	26.5	27.0	41.5	50.0	50.0		24.0	29.0	29.5	50.0	50.0		6.0	
7.0	24.0	24.5	39.0	47.0	47.0		21.5	26.5	26.5	47.0	47.0		7.0	
8.0	22.4	22.4	36.5	42.0	39.0		19.5	24.0	24.0	40.0	40.0		8.0	
9.0	20.5	20.5	34.5	33.0	32.0		18.0	22.0	22.0	34.0	32.0		9.0	
10.0	18.8	18.8	28.5	27.0	26.0		16.5	20.0	20.0	28.0	26.0		10.0	
11.0	17.5	17.5	24.0	23.0	22.0		15.4	18.5	18.5	24.0	22.0		11.0	
12.0	16.4	16.4	20.5	19.5	18.5		14.3	17.5	17.5	21.0	19.0		12.0	
14.0	14.4	14.4	16.0	15.0	14.0		12.5	15.2	15.2	16.0	14.0		14.0	
16.0	12.8	12.8	12.5	11.5	10.5		11.0	13.5	13.5	12.5	11.0		16.0	
18.0	11.5	11.5	10.5	9.5	8.5		10.0	11.0	10.5	10.0	8.7		18.0	
20.0	9.5	9.3	9.1	8.2	6.9		9.0	9.5	9.3	8.9	7.6		20.0	
22.0							8.2	8.0	7.8	7.4	6.1		22.0	
24.0							7.2	6.8	6.6	6.2	4.9		24.0	
Reeving	10						9					Reeving		
Hook	60t anchor hook											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: ton

Outriggers fully extended to 8m, 13t counterweight, over side or rear working area														
Working radius (m)	Boom length (m)											Working radius (m)		
	34.2	34.2	34.2	34.2	34.2★		38.5	38.5	38.5	38.5	38.5★			
3.0													3.0	
3.5													3.5	
4.0													4.0	
4.5													4.5	
5.0													5.0	
6.0	26.5	26.5	32.0	40.0	43.0								6.0	
7.0	23.5	23.5	29.0	36.5	40.0		22.0	26.0	31.5	36.0	36.0		7.0	
8.0	21.5	21.5	27.0	33.5	37.5		20.0	24.0	29.0	33.0	34.0		8.0	
9.0	20.0	20.0	25.0	30.5	33.0		18.5	22.0	27.0	31.0	32.0		9.0	
10.0	18.0	18.0	23.0	28.0	28.0		17.0	20.5	25.0	29.0	27.0		10.0	
11.0	17.0	17.0	21.5	24.0	23.0		15.5	19.0	23.0	23.0	22.5		11.0	
12.0	15.7	15.5	20.0	20.5	20.0		14.5	17.8	21.5	20.0	19.5		12.0	
14.0	13.7	13.5	16.0	16.0	15.5		12.5	15.6	16.0	15.0	14.5		14.0	
16.0	12.2	12.0	12.5	12.2	11.7		11.0	13.8	12.5	12.0	11.5		16.0	
18.0	11.0	10.8	10.0	9.7	9.2		10.0	10.5	10.0	9.5	9.0		18.0	
20.0	9.9	9.7	9.0	8.7	8.2		9.0	9.5	9.0	8.3	7.8		20.0	
22.0	8.5	8.1	7.6	7.3	6.8		8.1	8.0	7.5	6.7	6.3		22.0	
24.0	7.3	6.9	6.4	6.1	5.6		7.3	6.7	6.3	5.6	5.2		24.0	
26.0	6.3	5.9	5.4	5.1	4.6		6.3	5.7	5.3	4.6	4.2		26.0	
28.0	5.3	4.9	4.4	4.1	3.6		5.4	4.8	4.4	3.7	3.3		28.0	
30.0							4.7	4.1	3.7	3.0	2.6		30.0	
32.0							4.1	3.5	3.1	2.4	2.0		32.0	
Reeving	7						6					Reeving		
Hook	60t anchor hook											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: ton

Outriggers fully extended to 8m, 13t counterweight, over side or rear working area														
Working radius (m)	Boom length (m)											Working radius (m)		
	42.8	42.8	42.8	42.8★	47.1	47.1	47.1★	51.4	51.4★	55.7★	60★			
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	19.5	23.0	27.0	27.5									9.0	
10.0	18.5	21.5	25.5	26.0	18.5	21.5	23.0						10.0	
11.0	17.0	20.0	24.0	22.5	17.5	20.0	21.5	17.5	19.5				11.0	
12.0	16.0	18.8	20.0	19.0	16.0	18.5	20.0	16.5	18.5	15.0			12.0	
14.0	14.0	16.6	15.0	14.0	14.5	16.0	15.0	15.0	15.5	14.5	12.5		14.0	
16.0	12.3	13.0	12.0	11.3	13.2	12.5	11.5	13.0	12.5	13.0	11.5		16.0	
18.0	11.0	10.5	9.7	9.0	11.0	10.1	9.4	10.5	10.0	10.5	10.6		18.0	
20.0	9.5	9.0	8.2	7.5	9.5	8.6	7.9	9.4	8.6	9.1	9.2		20.0	
22.0	8.4	7.9	7.1	6.4	8.3	7.4	6.7	7.8	7.0	7.5	7.6		22.0	
24.0	7.1	6.6	5.8	5.2	7.0	6.1	5.4	6.5	5.8	6.2	6.3		24.0	
26.0	6.1	5.6	4.8	4.2	6.0	5.1	4.4	5.5	4.8	5.2	5.3		26.0	
28.0	5.2	4.7	3.9	3.3	5.1	4.3	3.6	4.7	3.9	4.3	4.4		28.0	
30.0	4.5	4.0	3.2	2.6	4.3	3.5	2.8	3.9	3.2	3.6	3.6		30.0	
32.0	3.9	3.4	2.6	2.0	3.7	2.9	2.2	3.3	2.5	2.9	3.0		32.0	
34.0	3.3	2.8	2.0	1.5	3.2	2.4	1.7	2.8	2.0	2.4	2.5		34.0	
36.0	2.8	2.3	1.5	1.0	2.7	1.9	1.2	2.3	1.5	1.9	2.0		36.0	
38.0					2.3	1.5		1.9	1.1	1.5	1.6		38.0	
40.0								1.5		1.1	1.2		40.0	
Reeving	5					4					3			Reeving
Hook	60t anchor hook												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: ton

Outriggers fully extended to 8m, 8t counterweight, over side or rear working area													
Working radius (m)	Boom length (m)											Working radius (m)	
	12.7★	17.0	17.0	17.0	17.0★		21.3	21.3	21.3	21.3	21.3★		
2.5	110.0**												2.5
3.0	80.0	46.0	75.0	75.0	75.0		33.5	50.0	68.0	68.0	68.0		3.0
3.5	78.0	43.0	74.0	74.0	74.0		31.5	47.5	67.0	68.0	68.0		3.5
4.0	76.0	41.0	73.0	73.0	73.0		29.5	45.5	65.0	67.0	67.0		4.0
4.5	72.0	39.0	68.0	68.0	68.0		28.0	43.5	63.0	66.0	66.0		4.5
5.0	62.0	37.0	64.0	64.0	64.0		26.3	41.5	60.0	62.5	62.5		5.0
6.0	58.0	34.0	56.0	56.0	56.0		23.8	38.0	53.0	53.5	53.5		6.0
7.0	43.0	31.0	46.0	45.0	45.0		21.5	35.5	46.0	46.0	44.5		7.0
8.0	32.0	29.0	35.0	34.0	33.5		19.8	33.0	36.0	35.0	33.5		8.0
9.0	26.0	27.0	27.0	26.5	26.0		18.2	31.0	29.0	28.0	26.5		9.0
10.0		24.0	23.0	22.5	22.0		16.9	25.0	24.0	23.0	21.5		10.0
11.0		20.0	19.0	18.5	18.0		15.7	21.0	20.0	19.0	17.5		11.0
12.0		17.0	16.0	15.5	15.0		14.8	18.0	17.0	16.0	14.5		12.0
14.0							13.0	13.5	12.5	12.0	10.5		14.0
16.0							11.0	10.5	10.0	9.5	8.2		16.0
Reeving	12											Reeving	
Hook	60t anchor hook											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

Table 18 Rated capacity chart (with boom only)

Unit: ton

Outriggers fully extended to 8m, 8t counterweight, over side or rear working area														
Working radius (m)	Boom length (m)											Working radius (m)		
	25.6	25.6	25.6	25.6	25.6★		29.9	29.9	29.9	29.9	29.9★			
3.0													3.0	
3.5													3.5	
4.0	32.0	34.5	49.0	60.0	60.0								4.0	
4.5	30.5	32.0	46.5	56.0	56.0								4.5	
5.0	29.0	30.0	44.0	53.0	53.0		26.5	32.5	33.0	53.0	54.0		5.0	
6.0	26.5	27.0	41.5	50.0	50.0		24.0	29.0	29.5	50.0	50.0		6.0	
7.0	24.0	24.5	39.0	47.0	45.0		21.5	26.5	26.5	47.0	47.0		7.0	
8.0	22.4	22.4	36.5	36.0	34.0		19.5	24.0	24.0	36.0	36.0		8.0	
9.0	20.5	20.5	30.0	28.0	27.0		18.0	22.0	22.0	30.0	28.0		9.0	
10.0	18.8	18.8	24.0	23.0	22.0		16.5	20.0	20.0	24.0	22.0		10.0	
11.0	17.5	17.5	20.5	19.5	18.5		15.4	18.5	18.5	20.5	19.0		11.0	
12.0	16.4	16.4	18.0	17.0	16.0		14.3	17.5	17.5	18.0	16.5		12.0	
14.0	14.4	14.4	13.5	12.5	11.5		12.5	14.5	14.0	13.5	12.0		14.0	
16.0	11.5	11.0	10.5	9.5	8.5		11.0	11.0	10.5	10.2	8.8		16.0	
18.0	9.5	9.0	8.8	7.9	6.6		10.0	9.5	9.2	8.9	7.5		18.0	
20.0	8.0	7.5	7.3	6.4	5.0		8.4	7.9	7.6	7.3	5.9		20.0	
22.0							7.0	6.5	6.2	5.9	4.5		22.0	
24.0							5.8	5.3	5.0	4.7	3.3		24.0	
Reeving	10							9					Reeving	
Hook	60t anchor hook											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: ton

Outriggers fully extended to 8m, 8t counterweight, over side or rear working area														
Working radius (m)	Boom length (m)											Working radius (m)		
	34.2	34.2	34.2	34.2	34.2★		38.5	38.5	38.5	38.5	38.5★			
3.0													3.0	
3.5													3.5	
4.0													4.0	
4.5													4.5	
5.0													5.0	
6.0	26.5	26.5	32.0	40.0	43.0								6.0	
7.0	23.5	23.5	29.0	36.5	40.0		22.0	26.0	31.5	36.0	36.0		7.0	
8.0	21.5	21.5	27.0	33.5	36.0		20.0	24.0	29.0	33.0	34.0		8.0	
9.0	20.0	20.0	25.0	30.5	28.0		18.5	22.0	27.0	28.5	28.0		9.0	
10.0	18.0	18.0	23.0	24.5	24.0		17.0	20.5	25.0	24.0	23.5		10.0	
11.0	17.0	17.0	21.5	20.5	20.0		15.5	19.0	20.5	20.0	19.5		11.0	
12.0	15.7	15.5	18.0	17.5	17.0		14.5	17.8	18.0	17.5	17.0		12.0	
14.0	13.7	13.5	13.5	13.0	12.5		12.5	14.0	14.0	13.5	13.0		14.0	
16.0	12.2	12.0	10.5	10.0	9.5		11.0	11.0	10.5	10.0	9.5		16.0	
18.0	9.5	9.1	8.5	8.2	7.7		10.0	9.5	9.0	8.3	7.8		18.0	
20.0	8.4	8.0	7.4	7.1	6.6		8.4	7.8	7.3	6.6	6.1		20.0	
22.0	7.0	6.6	6.1	5.8	5.3		7.0	6.4	5.9	5.2	4.8		22.0	
24.0	5.9	5.5	5.0	4.7	4.2		5.8	5.2	4.7	4.0	3.7		24.0	
26.0	5.0	4.6	4.1	3.8	3.3		5.0	4.4	3.9	3.2	2.9		26.0	
28.0	4.2	3.8	3.3	3.0	2.5		4.2	3.6	3.1	2.4	2.1		28.0	
30.0							3.5	3.0	2.5	1.8	1.5		30.0	
32.0							3.0	2.5	2.0	1.3	1.0		32.0	
Reeving	7							6					Reeving	
Hook	60t anchor hook											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: ton

Outriggers fully extended to 8m, 8t counterweight, over side or rear working area													
Working radius (m)	Boom length (m)											Working radius (m)	
	42.8	42.8	42.8	42.8★	47.1	47.1	47.1★	51.4	51.4★	55.7★	60★		
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	19.5	23.0	27.0	27.5									9.0
10.0	18.5	21.5	24.0	23.0	18.5	21.5	23.0						10.0
11.0	17.0	20.0	20.0	19.0	17.5	20.0	20.0	17.5	19.5				11.0
12.0	16.0	18.8	17.5	16.5	16.0	17.5	17.0	16.5	17.0	15.0			12.0
14.0	14.0	14.0	13.0	12.0	14.5	13.0	12.5	14.0	13.0	13.5	12.5		14.0
16.0	11.0	10.5	9.5	8.9	11.0	10.2	9.7	11.0	10.0	10.5	10.6		16.0
18.0	9.5	9.0	8.2	7.6	9.5	8.7	7.9	9.3	8.5	9.0	9.1		18.0
20.0	8.1	7.6	6.8	6.2	8.0	7.2	6.4	7.5	6.7	7.2	7.3		20.0
22.0	6.7	6.2	5.4	4.8	6.5	5.7	5.0	6.1	5.3	5.7	5.8		22.0
24.0	5.7	5.2	4.4	3.8	5.5	4.7	4.0	5.1	4.3	4.7	4.8		24.0
26.0	4.8	4.3	3.5	2.9	4.6	3.8	3.1	4.2	3.4	3.8	3.9		26.0
28.0	4.0	3.5	2.7	2.1	3.8	3.0	2.3	3.4	2.6	3.1	3.2		28.0
30.0	3.4	2.9	2.1	1.5	3.2	2.4	1.7	2.8	2.0	2.4	2.5		30.0
32.0	2.8	2.3	1.5	1.0	2.7	1.9	1.2	2.3	1.5	1.9	2.0		32.0
34.0	2.3	1.8	1.0		2.2	1.4		1.8	1.0	1.4	1.5		34.0
36.0										1.0	1.1		36.0
Reeving	5				4				3				Reeving
Hook	60t anchor hook											Hook	
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I
	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: ton

Outriggers fully extended to 8m, 2t counterweight, over side or rear working area													
Working radius (m)	Boom length (m)											Working radius (m)	
	12.7★	17.0	17.0	17.0	17.0★		21.3	21.3	21.3	21.3	21.3★		
2.5	110.0**												
3.0	80.0	46.0	75.0	75.0	75.0		33.5	50.0	68.0	68.0	68.0		3.0
3.5	78.0	43.0	74.0	74.0	74.0		31.5	47.5	67.0	68.0	68.0		3.5
4.0	76.0	41.0	73.0	73.0	73.0		29.5	45.5	65.0	67.0	67.0		4.0
4.5	72.0	39.0	68.0	68.0	68.0		28.0	43.5	63.0	66.0	66.0		4.5
5.0	58.0	37.0	64.0	64.0	63.0		26.3	41.5	60.0	62.5	60.0		5.0
6.0	52.0	34.0	56.0	55.0	54.0		23.8	38.0	53.0	52.0	50.0		6.0
7.0	36.0	31.0	38.0	37.0	36.0		21.5	35.5	39.0	38.0	36.0		7.0
8.0	26.0	29.0	29.0	28.0	27.5		19.8	31.0	30.0	29.0	27.0		8.0
9.0	21.0	24.0	23.5	23.0	22.5		18.2	25.0	24.0	23.0	21.0		9.0
10.0		19.0	18.5	18.0	17.5		16.9	20.0	19.0	18.0	16.5		10.0
11.0		16.0	15.5	15.0	14.5		15.7	17.0	16.0	15.0	13.5		11.0
12.0		13.5	13.0	12.5	12.0		14.8	14.0	13.0	12.1	10.6		12.0
14.0							10.5	10.5	9.7	8.8	7.4		14.0
16.0							8.8	8.4	7.6	6.7	5.3		16.0
Reeving	12											Reeving	
Hook	60t anchor hook											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

Table 22 Rated capacity chart (with boom only)

Unit: ton

Outriggers fully extended to 8m, 2t counterweight, over side or rear working area														
Working radius (m)	Boom length (m)											Working radius (m)		
	25.6	25.6	25.6	25.6	25.6★		29.9	29.9	29.9	29.9	29.9★			
3.0													3.0	
3.5													3.5	
4.0	32.0	34.5	49.0	60.0	60.0								4.0	
4.5	30.5	32.0	46.5	56.0	56.0								4.5	
5.0	29.0	30.0	44.0	53.0	53.0		26.5	32.5	33.0	53.0	54.0		5.0	
6.0	26.5	27.0	41.5	48.0	46.0		24.0	29.0	29.5	50.0	48.0		6.0	
7.0	24.0	24.5	39.0	39.0	37.0		21.5	26.5	26.5	47.0	38.0		7.0	
8.0	22.4	22.4	30.5	29.5	27.5		19.5	24.0	24.0	30.0	28.0		8.0	
9.0	20.5	20.5	25.0	24.0	22.0		18.0	22.0	22.0	25.0	23.0		9.0	
10.0	18.8	18.8	20.5	19.5	17.5		16.5	20.0	20.0	20.0	18.0		10.0	
11.0	17.5	17.5	17.0	16.0	14.5		15.4	18.5	17.5	17.0	15.0		11.0	
12.0	15.0	14.5	14.2	13.2	11.7		14.3	15.0	14.8	14.3	12.6		12.0	
14.0	11.5	11.0	10.7	9.7	8.3		11.0	10.5	10.3	10.0	8.3		14.0	
16.0	9.2	9.0	8.7	7.6	6.2		9.5	9.0	8.8	8.5	6.8		16.0	
18.0	7.2	7.0	6.7	5.6	4.2		7.5	7.0	6.8	6.5	5.1		18.0	
20.0	5.7	5.5	5.2	4.1	2.7		6.0	5.5	5.3	5.0	3.6		20.0	
22.0							5.0	4.5	4.3	4.0	2.6		22.0	
24.0							4.0	3.5	3.3	3.0	1.6		24.0	
Reeving	10						9					Reeving		
Hook	60t anchor hook											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: ton

Outriggers fully extended to 8m, 2t counterweight, over side or rear working area														
Working radius (m)	Boom length (m)											Working radius (m)		
	34.2	34.2	34.2	34.2	34.2★		38.5	38.5	38.5	38.5	38.5★			
3.0													3.0	
3.5													3.5	
4.0													4.0	
4.5													4.5	
5.0													5.0	
6.0	26.5	26.5	32.0	40.0	43.0								6.0	
7.0	23.5	23.5	29.0	36.5	38.0		22.0	26.0	31.5	36.0	36.0		7.0	
8.0	21.5	21.5	27.0	30.0	29.5		20.0	24.0	29.0	28.0	27.5		8.0	
9.0	20.0	20.0	25.0	24.5	24.0		18.5	22.0	25.0	24.0	23.5		9.0	
10.0	18.0	18.0	21.0	20.5	20.0		17.0	20.5	20.5	19.5	19.0		10.0	
11.0	17.0	17.0	17.5	17.0	16.5		15.5	18.0	17.5	16.5	16.0		11.0	
12.0	15.7	15.5	14.5	14.0	13.5		14.5	15.0	14.5	13.7	13.2		12.0	
14.0	11.5	11.1	10.5	10.0	9.5		11.5	10.8	10.3	9.5	9.0		14.0	
16.0	9.5	9.1	8.5	8.3	7.8		9.7	9.0	8.5	7.7	7.3		16.0	
18.0	7.5	7.1	6.5	6.3	5.8		7.7	7.0	6.6	5.8	5.4		18.0	
20.0	6.1	5.7	5.1	4.9	4.5		6.3	5.6	5.2	4.4	4.0		20.0	
22.0	5.0	4.6	4.0	3.8	3.4		5.0	4.3	3.9	3.2	2.8		22.0	
24.0	4.1	3.7	3.1	2.9	2.5		4.2	3.5	3.1	2.4	2.0		24.0	
26.0	3.3	3.0	2.4	2.2	1.8		3.4	2.7	2.3	1.6	1.2		26.0	
28.0	2.7	2.4	1.8	1.6	1.2		2.8	2.1	1.7	1.0			28.0	
30.0							2.3	1.6	1.2				30.0	
Reeving	7							6					Reeving	
Hook	60t anchor hook												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: ton

Outriggers fully extended to 8m, 2t counterweight, over side or rear working area													
Working radius (m)	Boom length (m)											Working radius (m)	
	42.8	42.8	42.8	42.8★	47.1	47.1	47.1★	51.4	51.4★	55.7★	60★		
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	19.5	23.0	23.0	22.0									9.0
10.0	18.5	21.5	19.5	18.5	18.5	19.0	18.5						10.0
11.0	17.0	17.5	16.5	15.5	17.5	16.5	15.5	17.0	16.0				11.0
12.0	16.0	15.0	14.0	13.0	15.0	14.2	13.2	14.5	13.7	14.0			12.0
14.0	11.5	10.9	10.0	9.3	11.0	10.2	9.4	11.0	10.2	10.5	10.6		14.0
16.0	9.5	8.9	8.0	7.3	9.2	8.4	7.6	8.8	8.0	8.4	8.5		16.0
18.0	7.5	6.9	6.1	5.4	7.2	6.4	5.6	6.8	6.0	6.4	6.5		18.0
20.0	6.0	5.4	4.6	4.0	5.8	5.0	4.2	5.3	4.5	4.9	5.0		20.0
22.0	4.8	4.2	3.4	2.8	4.7	3.9	3.1	4.2	3.4	3.8	3.9		22.0
24.0	4.0	3.4	2.6	2.0	3.8	3.0	2.3	3.4	2.6	3.0	3.1		24.0
26.0	3.2	2.6	1.8	1.2	3.0	2.2	1.5	2.6	1.8	2.2	2.3		26.0
28.0	2.6	2.0	1.2		2.4	1.6	0.9	2.0	1.2	1.6	1.7		28.0
30.0	2.1	1.5			1.9	1.1		1.5		1.1	1.2		30.0
Reeving	5				4				3				Reeving
Hook	60t anchor hook											Hook	
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I
	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 tip boom)

Unit: ton

Outriggers fully extended to 8.0m, 27t full counterweight, over side or rear working area													
Working radius (m)	Tip boom length: 3.0m; angle: 30°											Working radius (m)	
	12.7★	17.0	17.0	17.0	17.0★		21.3	21.3	21.3	21.3	21.3★		
3.0	18.0												3.0
3.5	16.0	16.0	16.0	16.0	16.0								3.5
4.0	16.0	16.0	16.0	16.0	16.0								4.0
4.5	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0		4.5
5.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0		5.0
6.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0		6.0
7.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0		7.0
8.0	15.5	16.0	16.0	16.0	16.0		15.0	16.0	16.0	16.0	16.0		8.0
9.0	15.0	16.0	16.0	16.0	16.0		14.0	16.0	16.0	16.0	16.0		9.0
10.0	14.5	15.5	15.5	15.5	15.5		13.0	16.0	16.0	16.0	16.0		10.0
11.0	14.0	15.0	15.0	15.0	15.0		12.0	16.0	16.0	16.0	16.0		11.0
12.0	13.5	14.5	14.5	14.5	14.5		11.5	16.0	16.0	16.0	16.0		12.0
14.0		13.0	14.0	14.0	14.0		10.5	15.0	15.5	15.5	15.5		14.0
16.0		12.0	13.5	13.5	13.5		9.5	14.0	15.0	15.0	15.0		16.0
18.0							8.5	13.0	14.0	14.0	13.5		18.0
20.0							7.8	12.0	12.5	12.0	11.0		20.0
Reeving	3											Reeving	
Hook	18t anchor hook											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

Table 26 Rated capacity chart (with tip boom)

Unit: ton

Outriggers fully extended to 8.0m, 27t counterweight, over side or rear working area													
Working radius (m)	Tip boom length: 3.0m; angle: 30°											Working radius (m)	
	25.6	25.6	25.6	25.6	25.6★		29.9	29.9	29.9	29.9	29.9★		
4.0													4.0
4.5													4.5
5.0													5.0
6.0	16.0	16.0	16.0	16.0	16.0								6.0
7.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0	16.0	7.0
8.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0	16.0	8.0
9.0	15.0	15.0	16.0	16.0	16.0		15.0	16.0	16.0	16.0	16.0	16.0	9.0
10.0	14.0	14.0	16.0	16.0	16.0		14.0	16.0	16.0	16.0	16.0	16.0	10.0
11.0	13.0	13.0	16.0	16.0	16.0		13.0	16.0	16.0	16.0	16.0	16.0	11.0
12.0	12.0	12.0	16.0	16.0	16.0		12.0	15.0	15.0	16.0	16.0	16.0	12.0
14.0	11.0	11.0	16.0	16.0	16.0		10.5	13.5	13.5	16.0	16.0	16.0	14.0
16.0	10.0	10.0	15.0	15.0	15.0		9.5	12.0	12.0	16.0	15.0	15.0	16.0
18.0	9.0	9.0	14.0	14.0	13.5		8.5	10.5	10.5	15.0	14.0	14.0	18.0
20.0	8.5	8.5	13.0	12.5	11.5		7.5	9.5	9.5	13.0	12.0	12.0	20.0
22.0	8.0	8.0	11.0	10.5	9.5		7.0	9.0	9.0	11.0	10.0	10.0	22.0
24.0	7.5	7.5	9.5	9.0	8.0		6.5	8.0	8.0	9.5	8.5	8.5	24.0
26.0							6.0	7.5	7.5	8.5	7.5	7.5	26.0
28.0							5.5	7.0	7.0	7.5	6.5	6.5	28.0
Reeving	3											Reeving	
Hook	18t anchor hook											Hook	
Telescoping mode	I	1	1	1	1	2		1	1	1	1	2	I
	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 tip boom)

Unit: ton

Outriggers fully extended to 8.0m, 27t counterweight, over side or rear working area													
Working radius (m)	Tip boom length: 3.0m; angle: 30°											Working radius (m)	
	34.2	34.2	34.2	34.2	34.2★		38.5	38.5	38.5	38.5	38.5★		
4.0													4.0
4.5													4.5
5.0													5.0
5.5													5.5
6.0													6.0
7.0													7.0
8.0	16.0	16.0	16.0	16.0	16.0								8.0
9.0	15.5	16.0	16.0	16.0	16.0								9.0
10.0	15.0	15.0	16.0	16.0	16.0		14.0	16.0	16.0	16.0	16.0	16.0	10.0
11.0	14.0	14.0	16.0	16.0	16.0		13.0	16.0	16.0	16.0	16.0	16.0	11.0
12.0	13.0	13.0	16.0	16.0	16.0		12.0	15.0	16.0	15.5	16.0	16.0	12.0
14.0	11.5	11.5	15.0	16.0	16.0		10.5	13.0	15.0	15.0	15.0	15.0	14.0
16.0	10.0	11.0	13.0	15.0	15.0		9.5	11.5	14.0	14.5	14.5	14.5	16.0
18.0	9.0	9.5	12.0	14.5	14.5		9.0	10.5	12.5	14.0	14.0	14.0	18.0
20.0	8.5	8.5	11.0	13.5	12.0		8.0	9.5	11.8	12.5	12.0	12.0	20.0
22.0	7.5	7.5	10.0	11.5	10.5		7.2	9.0	10.8	10.5	10.0	10.0	22.0
24.0	7.0	7.0	9.5	10.0	9.5		6.5	8.2	9.5	9.5	9.1	9.1	24.0
26.0	6.5	6.5	8.5	8.5	8.0		6.0	7.5	8.6	8.1	7.7	7.7	26.0
28.0	6.0	6.0	7.5	7.5	7.0		5.5	7.0	7.6	7.1	6.7	6.7	28.0
30.0	5.5	5.5	6.5	6.5	6.0		5.0	6.5	6.6	6.1	5.7	5.7	30.0
32.0	5.0	5.0	6.0	5.5	5.0		4.7	6.0	5.8	5.3	4.9	4.9	32.0
34.0							4.4	5.5	5.0	4.5	4.1	4.1	34.0
36.0							4.0	4.9	4.5	4.0	3.6	3.6	36.0
Reeving	3											Reeving	
Hook	18t anchor hook											Hook	
Telescoping mode	I	1	1	1	1	2		1	1	1	2	3	I
	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 tip boom)

Unit: ton

Outriggers fully extended to 8.0m, 27t counterweight, over side or rear working area													
Working radius (m)	Tip boom length: 3.0m; angle: 30°											Working radius (m)	
	42.8	42.8	42.8	42.8★	47.1	47.1	47.1★	51.4	51.4★	55.7★	60★		
4.0													4.0
4.5													4.5
5.0													5.0
5.5													5.5
6.0													6.0
7.0													7.0
8.0													8.0
9.0													9.0
10.0													10.0
11.0	13.5	15.5	16.0	16.0									11.0
12.0	13.0	15.0	16.0	16.0	12.5	14.0	15.0						12.0
14.0	12.0	13.5	15.5	15.5	12.0	13.5	14.5	11.5	13.0				14.0
16.0	10.5	12.5	14.5	15.0	11.0	12.5	13.5	11.0	12.5	10.5			16.0
18.0	9.5	11.0	13.5	14.0	10.0	11.8	13.0	10.0	11.0	10.0	8.5		18.0
20.0	8.6	10.0	12.0	12.0	9.0	10.8	12.0	9.5	10.0	9.5	8.2		20.0
22.0	7.8	9.2	10.5	10.0	8.2	9.8	10.0	8.8	9.5	9.0	8.0		22.0
24.0	7.1	8.5	9.5	9.0	7.5	9.0	9.0	8.0	9.0	8.0	7.5		24.0
26.0	6.5	7.9	8.0	7.5	7.0	8.3	8.0	7.5	8.2	7.5	7.0		26.0
28.0	6.0	7.2	7.0	6.5	6.5	7.5	6.9	7.0	7.2	7.0	6.5		28.0
30.0	5.6	6.7	6.2	5.7	6.0	6.5	5.9	6.5	6.2	6.5	6.0		30.0
32.0	5.2	5.9	5.4	4.9	5.5	5.5	4.9	6.0	5.2	5.5	5.6		32.0
34.0	4.8	5.2	4.7	4.2	5.0	4.7	4.1	5.0	4.4	4.7	5.0		34.0
36.0	4.5	4.5	4.0	3.5	4.7	4.2	3.6	4.5	3.9	4.2	4.3		36.0
38.0	4.2	4.0	3.5	3.0	4.4	3.7	3.1	4.0	3.4	3.7	3.8		38.0
40.0	3.9	3.5	3.0	2.5	3.9	3.2	2.6	3.5	2.9	3.2	3.3		40.0
42.0					3.4	2.7	2.1	3.0	2.4	2.7	2.9		42.0
44.0					3.0	2.3	1.7	2.6	2.0	2.3	2.5		44.0
46.0								2.3	1.7	2.0	2.1		46.0
48.0								2.0	1.4	1.7	1.7		48.0
50.0										1.4	1.4		50.0
52.0										1.1	1.1		52.0
54.0											1.0		54.0
Reeving	3							2				Reeving	
Hook	18t anchor hook											Hook	
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I
	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 tip boom)

Unit: ton

Outriggers fully extended to 8.0m, 22t full counterweight, over side or rear working area													
Working radius (m)	Tip boom length: 3.0m; angle: 30°											Working radius (m)	
	12.7★	17.0	17.0	17.0	17.0★		21.3	21.3	21.3	21.3	21.3★		
3.0	18.0												3.0
3.5	16.0	16.0	16.0	16.0	16.0								3.5
4.0	16.0	16.0	16.0	16.0	16.0								4.0
4.5	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0		4.5
5.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0		5.0
6.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0		6.0
7.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0		7.0
8.0	15.5	16.0	16.0	16.0	16.0		15.0	16.0	16.0	16.0	16.0		8.0
9.0	15.0	16.0	16.0	16.0	16.0		14.0	16.0	16.0	16.0	16.0		9.0
10.0	14.5	15.5	15.5	15.5	15.5		13.0	16.0	16.0	16.0	16.0		10.0
11.0	14.0	15.0	15.0	15.0	15.0		12.0	16.0	16.0	16.0	16.0		11.0
12.0	13.5	14.5	14.5	14.5	14.5		11.5	16.0	16.0	16.0	16.0		12.0
14.0		13.0	14.0	14.0	14.0		10.5	15.0	15.5	15.5	15.0		14.0
16.0		12.0	13.0	13.0	13.0		9.5	14.0	14.5	14.5	14.0		16.0
18.0							8.5	13.0	13.5	13.0	11.5		18.0
20.0							7.8	11.5	11.0	10.5	9.5		20.0
Reeving	3											Reeving	
Hook	18t anchor hook											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

Table 30 Rated capacity chart (with tip boom)

Unit: ton

Outriggers fully extended to 8.0m, 22t counterweight, over side or rear working area													
Working radius (m)	Tip boom length: 3.0m; angle: 30°											Working radius (m)	
	25.6	25.6	25.6	25.6	25.6★		29.9	29.9	29.9	29.9	29.9★		
4.0													4.0
4.5													4.5
5.0													5.0
6.0	16.0	16.0	16.0	16.0	16.0								6.0
7.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0	16.0	7.0
8.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0	16.0	8.0
9.0	15.0	15.0	16.0	16.0	16.0		15.0	16.0	16.0	16.0	16.0	16.0	9.0
10.0	14.0	14.0	16.0	16.0	16.0		14.0	16.0	16.0	16.0	16.0	16.0	10.0
11.0	13.0	13.0	16.0	16.0	16.0		13.0	16.0	16.0	16.0	16.0	16.0	11.0
12.0	12.0	12.0	16.0	16.0	16.0		12.0	15.0	15.0	16.0	16.0	16.0	12.0
14.0	11.0	11.0	16.0	16.0	16.0		10.5	13.5	13.5	16.0	16.0	16.0	14.0
16.0	10.0	10.0	15.0	14.5	14.5		9.5	12.0	12.0	16.0	15.0	15.0	16.0
18.0	9.0	9.0	14.0	13.5	12.0		8.5	10.5	10.5	14.0	12.5	12.5	18.0
20.0	8.5	8.5	12.0	11.0	10.0		7.5	9.5	9.5	11.5	10.5	10.5	20.0
22.0	8.0	8.0	10.0	9.5	8.5		7.0	9.0	9.0	10.0	9.2	9.2	22.0
24.0	7.5	7.5	8.8	8.0	7.0		6.5	8.0	8.0	8.7	7.7	7.7	24.0
26.0							6.0	7.5	7.5	7.5	6.5	6.5	26.0
28.0							5.5	6.8	6.8	6.5	5.5	5.5	28.0
Reeving	3											Reeving	
Hook	18t anchor hook											Hook	
Telescoping mode	I	1	1	1	1	2		1	1	1	1	2	I
	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 tip boom)

Unit: ton

Outriggers fully extended to 8.0m, 22t counterweight, over side or rear working area													
Working radius (m)	Tip boom length: 3.0m; angle: 30°											Working radius (m)	
	34.2	34.2	34.2	34.2	34.2★		38.5	38.5	38.5	38.5	38.5★		
4.0													4.0
4.5													4.5
5.0													5.0
5.5													5.5
6.0													6.0
7.0													7.0
8.0	16.0	16.0	16.0	16.0	16.0								8.0
9.0	15.5	16.0	16.0	16.0	16.0								9.0
10.0	15.0	15.0	16.0	16.0	16.0		14.0	16.0	16.0	16.0	16.0	16.0	10.0
11.0	14.0	14.0	16.0	16.0	16.0		13.0	16.0	16.0	16.0	16.0	16.0	11.0
12.0	13.0	13.0	16.0	16.0	16.0		12.0	15.0	16.0	15.5	16.0	16.0	12.0
14.0	11.5	11.5	15.0	16.0	16.0		10.5	13.0	15.0	15.0	15.0	15.0	14.0
16.0	10.0	11.0	13.0	15.0	15.0		9.5	11.5	14.0	14.5	14.5	14.5	16.0
18.0	9.0	9.5	12.0	14.0	13.0		9.0	10.5	12.5	13.0	13.0	13.0	18.0
20.0	8.5	8.5	11.0	11.8	11.0		8.0	9.5	11.8	11.0	10.5	10.5	20.0
22.0	7.5	7.5	10.0	10.0	9.5		7.2	9.0	9.5	9.5	9.2	9.2	22.0
24.0	7.0	7.0	8.8	8.7	8.3		6.5	8.2	8.7	8.2	7.9	7.9	24.0
26.0	6.5	6.5	7.7	7.4	7.0		6.0	7.5	7.5	7.0	6.7	6.7	26.0
28.0	6.0	6.0	6.6	6.3	6.0		5.5	6.8	6.5	6.0	5.6	5.6	28.0
30.0	5.5	5.5	5.8	5.5	5.1		5.0	6.0	5.7	5.1	4.7	4.7	30.0
32.0	5.0	5.0	5.0	4.7	4.3		4.7	5.2	4.9	4.3	3.9	3.9	32.0
34.0							4.4	4.5	4.2	3.6	3.2	3.2	34.0
36.0							4.0	4.0	3.7	3.1	2.7	2.7	36.0
Reeving	3											Reeving	
Hook	18t anchor hook											Hook	
Telescoping mode	I	1	1	1	1	2		1	1	1	2	3	I
	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 tip boom)

Unit: ton

Outriggers fully extended to 8.0m, 22t counterweight, over side or rear working area													
Working radius (m)	Tip boom length: 3.0m; angle: 30°											Working radius (m)	
	42.8	42.8	42.8	42.8★	47.1	47.1	47.1★	51.4	51.4★	55.7★	60★		
4.0													4.0
4.5													4.5
5.0													5.0
5.5													5.5
6.0													6.0
7.0													7.0
8.0													8.0
9.0													9.0
10.0													10.0
11.0	13.5	15.5	16.0	16.0									11.0
12.0	13.0	15.0	16.0	16.0	12.5	14.0	15.0						12.0
14.0	12.0	13.5	15.5	15.5	12.0	13.5	14.5	11.5	13.0				14.0
16.0	10.5	12.5	14.5	15.0	11.0	12.5	13.5	11.0	12.5	10.5			16.0
18.0	9.5	11.0	13.5	13.0	10.0	11.8	13.0	10.0	11.0	10.0	8.5		18.0
20.0	8.6	10.0	11.0	11.0	9.0	10.8	11.0	9.5	10.0	9.5	8.2		20.0
22.0	7.8	9.2	9.5	9.4	8.2	9.8	9.5	8.8	9.5	9.0	8.0		22.0
24.0	7.1	8.5	8.4	7.9	7.5	8.5	8.0	8.0	8.2	8.0	7.5		24.0
26.0	6.5	7.9	7.2	6.7	7.0	7.5	6.8	7.5	7.0	7.5	7.0		26.0
28.0	6.0	6.9	6.2	5.7	6.5	6.5	5.8	6.7	6.0	6.4	6.5		28.0
30.0	5.6	6.0	5.3	4.8	6.0	5.6	5.0	5.9	5.2	5.6	5.7		30.0
32.0	5.2	5.2	4.5	4.0	5.5	4.8	4.2	5.1	4.4	4.8	4.9		32.0
34.0	4.8	4.5	3.8	3.3	4.7	4.0	3.4	4.3	3.7	4.1	4.2		34.0
36.0	4.4	3.9	3.2	2.7	4.2	3.5	2.9	3.8	3.2	3.5	3.6		36.0
38.0	3.9	3.4	2.7	2.2	3.7	3.0	2.4	3.3	2.7	3.0	3.1		38.0
40.0	3.4	2.9	2.2	1.7	3.2	2.5	1.9	2.8	2.2	2.5	2.6		40.0
42.0					2.8	2.1	1.5	2.4	1.8	2.1	2.2		42.0
44.0					2.4	1.7	1.1	2.0	1.4	1.7	1.8		44.0
46.0								1.7	1.1	1.3	1.4		46.0
48.0										1.1	1.2		48.0
Reeving	3						2						Reeving
Hook	18t anchor hook											Hook	
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I
	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 tip boom)

Unit: ton

Outriggers fully extended to 8.0m, 18t full counterweight, over side or rear working area													
Working radius (m)	Tip boom length: 3.0m; angle: 30°											Working radius (m)	
	12.7★	17.0	17.0	17.0	17.0★		21.3	21.3	21.3	21.3	21.3★		
3.0	18.0												3.0
3.5	16.0	16.0	16.0	16.0	16.0								3.5
4.0	16.0	16.0	16.0	16.0	16.0								4.0
4.5	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0		4.5
5.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0		5.0
6.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0		6.0
7.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0		7.0
8.0	15.5	16.0	16.0	16.0	16.0		15.0	16.0	16.0	16.0	16.0		8.0
9.0	15.0	16.0	16.0	16.0	16.0		14.0	16.0	16.0	16.0	16.0		9.0
10.0	14.5	15.5	15.5	15.5	15.5		13.0	16.0	16.0	16.0	16.0		10.0
11.0	14.0	15.0	15.0	15.0	15.0		12.0	16.0	16.0	16.0	16.0		11.0
12.0	13.5	14.5	14.5	14.5	14.5		11.5	16.0	16.0	16.0	16.0		12.0
14.0		13.0	13.5	13.5	13.5		10.5	15.5	15.0	15.0	15.0		14.0
16.0		12.0	12.5	12.5	12.5		9.5	14.5	14.0	14.0	13.0		16.0
18.0							8.5	12.5	12.0	11.5	10.5		18.0
20.0							7.8	10.5	10.0	9.5	8.5		20.0
Reeving	3											Reeving	
Hook	18t anchor hook											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

Table 34 Rated capacity chart (with tip boom)

Unit: ton

Outriggers fully extended to 8.0m, 18t counterweight, over side or rear working area													
Working radius (m)	Tip boom length: 3.0m; angle: 30°											Working radius (m)	
	25.6	25.6	25.6	25.6	25.6★		29.9	29.9	29.9	29.9	29.9★		
4.0													4.0
4.5													4.5
5.0													5.0
6.0	16.0	16.0	16.0	16.0	16.0								6.0
7.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0	16.0	7.0
8.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0	16.0	8.0
9.0	15.0	15.0	16.0	16.0	16.0		15.0	16.0	16.0	16.0	16.0	16.0	9.0
10.0	14.0	14.0	16.0	16.0	16.0		14.0	16.0	16.0	16.0	16.0	16.0	10.0
11.0	13.0	13.0	16.0	16.0	16.0		13.0	16.0	16.0	16.0	16.0	16.0	11.0
12.0	12.0	12.0	16.0	16.0	16.0		12.0	15.0	15.0	16.0	16.0	16.0	12.0
14.0	11.0	11.0	16.0	15.5	15.5		10.5	13.5	13.5	16.0	15.5	15.5	14.0
16.0	10.0	10.0	15.0	14.5	13.5		9.5	12.0	12.0	15.0	14.0	14.0	16.0
18.0	9.0	9.0	12.5	12.0	10.5		8.5	10.5	10.5	12.5	11.5	11.5	18.0
20.0	8.5	8.5	10.5	10.0	9.0		7.5	9.5	9.5	10.5	9.5	9.5	20.0
22.0	8.0	8.0	9.3	8.7	7.5		7.0	9.0	9.0	9.2	8.0	8.0	22.0
24.0	7.5	7.5	8.0	7.2	6.0		6.5	8.0	8.0	7.8	6.6	6.6	24.0
26.0							6.0	7.2	7.0	6.7	5.6	5.6	26.0
28.0							5.5	6.2	6.0	5.7	4.6	4.6	28.0
Reeving	3											Reeving	
Hook	18t anchor hook											Hook	
Telescoping mode	I	1	1	1	1	2		1	1	1	1	2	I
	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 35 Rated capacity chart (with tip boom)

Unit: ton

Outriggers fully extended to 8.0m, 18t counterweight, over side or rear working area													
Working radius (m)	Tip boom length: 3.0m; angle: 30°											Working radius (m)	
	34.2	34.2	34.2	34.2	34.2★		38.5	38.5	38.5	38.5	38.5★		
4.0													4.0
4.5													4.5
5.0													5.0
5.5													5.5
6.0													6.0
7.0													7.0
8.0	16.0	16.0	16.0	16.0	16.0								8.0
9.0	15.5	16.0	16.0	16.0	16.0								9.0
10.0	15.0	15.0	16.0	16.0	16.0		14.0	16.0	16.0	16.0	16.0	16.0	10.0
11.0	14.0	14.0	16.0	16.0	16.0		13.0	16.0	16.0	16.0	16.0	16.0	11.0
12.0	13.0	13.0	16.0	16.0	16.0		12.0	15.0	16.0	15.5	16.0	16.0	12.0
14.0	11.5	11.5	15.0	16.0	15.5		10.5	13.0	15.0	15.0	15.0	15.0	14.0
16.0	10.0	11.0	13.0	15.0	14.5		9.5	11.5	14.0	14.5	14.0	14.0	16.0
18.0	9.0	9.5	12.0	12.5	12.0		9.0	10.5	12.5	12.0	11.5	11.5	18.0
20.0	8.5	8.5	10.5	10.5	10.0		8.0	9.5	10.5	10.0	9.5	9.5	20.0
22.0	7.5	7.5	9.3	9.1	8.6		7.2	9.0	9.0	8.5	8.1	8.1	22.0
24.0	7.0	7.0	8.0	7.8	7.3		6.5	8.0	7.9	7.3	6.9	6.9	24.0
26.0	6.5	6.5	6.7	6.5	6.0		6.0	7.0	6.6	6.0	5.6	5.6	26.0
28.0	6.0	6.0	5.8	5.6	5.1		5.5	6.0	5.6	5.0	4.6	4.6	28.0
30.0	5.5	5.4	5.0	4.8	4.3		5.0	5.3	4.9	4.3	3.9	3.9	30.0
32.0	5.0	4.7	4.2	4.0	3.5		4.7	4.6	4.2	3.6	3.2	3.2	32.0
34.0							4.4	3.9	3.5	2.9	2.5	2.5	34.0
36.0							3.7	3.4	3.0	2.4	2.0	2.0	36.0
Reeving	3											Reeving	
Hook	18t anchor hook											Hook	
Telescoping mode	I	1	1	1	1	2		1	1	1	2	3	I
	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 36 Rated capacity chart (with tip boom)

Unit: ton

Outriggers fully extended to 8.0m, 18t counterweight, over side or rear working area													
Working radius (m)	Tip boom length: 3.0m; angle: 30°											Working radius (m)	
	42.8	42.8	42.8	42.8★	47.1	47.1	47.1★	51.4	51.4★	55.7★	60★		
4.0													4.0
4.5													4.5
5.0													5.0
5.5													5.5
6.0													6.0
7.0													7.0
8.0													8.0
9.0													9.0
10.0													10.0
11.0	13.5	15.5	16.0	16.0									11.0
12.0	13.0	15.0	16.0	16.0	12.5	14.0	15.0						12.0
14.0	12.0	13.5	15.5	15.5	12.0	13.5	14.5	11.5	13.0				14.0
16.0	10.5	12.5	14.5	14.5	11.0	12.5	13.5	11.0	12.5	10.5			16.0
18.0	9.5	11.0	12.0	11.5	10.0	11.8	11.5	10.0	11.0	10.0	8.5		18.0
20.0	8.6	10.0	10.0	9.5	9.0	10.5	10.0	9.5	10.0	9.5	8.2		20.0
22.0	7.8	9.0	8.5	8.0	8.2	9.0	8.4	8.8	8.5	9.0	8.0		22.0
24.0	7.1	8.0	7.3	6.8	7.5	7.5	6.9	7.8	7.3	7.8	7.5		24.0
26.0	6.5	7.0	6.3	5.8	7.0	6.5	5.9	6.8	6.1	6.5	6.7		26.0
28.0	6.0	6.0	5.3	4.8	6.3	5.6	5.0	5.9	5.2	5.6	5.7		28.0
30.0	5.5	5.2	4.5	4.0	5.5	4.8	4.2	5.1	4.4	4.7	4.8		30.0
32.0	4.9	4.4	3.7	3.2	4.7	4.0	3.4	4.4	3.7	4.0	4.1		32.0
34.0	4.2	3.8	3.1	2.6	4.0	3.3	2.7	3.7	3.0	3.4	3.5		34.0
36.0	3.7	3.3	2.6	2.1	3.5	2.8	2.2	3.2	2.5	2.8	2.9		36.0
38.0	3.2	2.8	2.1	1.6	3.0	2.3	1.7	2.7	2.0	2.3	2.4		38.0
40.0	2.8	2.3	1.6	1.1	2.6	1.9	1.3	2.3	1.6	1.9	2.0		40.0
42.0					2.2	1.5		1.9	1.2	1.5	1.6		42.0
44.0					1.9	1.2		1.5		1.2	1.2		44.0
Reeving	3						2						Reeving
Hook	18t anchor hook											Hook	
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I
	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 37 Rated capacity chart (with tip boom)

Unit: ton

Outriggers fully extended to 8.0m, 13t full counterweight, over side or rear working area													
Working radius (m)	Tip boom length: 3.0m; angle: 30°											Working radius (m)	
	12.7★	17.0	17.0	17.0	17.0★		21.3	21.3	21.3	21.3	21.3★		
3.0	18.0												3.0
3.5	16.0	16.0	16.0	16.0	16.0								3.5
4.0	16.0	16.0	16.0	16.0	16.0								4.0
4.5	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0		4.5
5.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0		5.0
6.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0		6.0
7.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0		7.0
8.0	15.5	16.0	16.0	16.0	16.0		15.0	16.0	16.0	16.0	16.0		8.0
9.0	15.0	16.0	16.0	16.0	16.0		14.0	16.0	16.0	16.0	16.0		9.0
10.0	14.5	15.5	15.5	15.5	15.5		13.0	16.0	16.0	16.0	16.0		10.0
11.0	14.0	15.0	15.0	15.0	15.0		12.0	16.0	16.0	16.0	16.0		11.0
12.0	13.5	14.5	14.5	14.5	14.5		11.5	16.0	16.0	16.0	16.0		12.0
14.0		13.0	13.5	13.5	13.5		10.5	15.5	15.0	15.0	14.5		14.0
16.0		12.0	12.5	12.5	12.0		9.5	13.5	13.5	12.5	11.5		16.0
18.0							8.5	11.5	10.5	10.0	9.0		18.0
20.0							7.8	9.5	8.5	8.0	7.0		20.0
Reeving	3											Reeving	
Hook	18t anchor hook											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

Table 38 Rated capacity chart (with tip boom)

Unit: ton

Outriggers fully extended to 8.0m, 13t counterweight, over side or rear working area													
Working radius (m)	Tip boom length: 3.0m; angle: 30°											Working radius (m)	
	25.6	25.6	25.6	25.6	25.6★		29.9	29.9	29.9	29.9	29.9★		
4.0													4.0
4.5													4.5
5.0													5.0
6.0	16.0	16.0	16.0	16.0	16.0								6.0
7.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0	16.0	7.0
8.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0	16.0	8.0
9.0	15.0	15.0	16.0	16.0	16.0		15.0	16.0	16.0	16.0	16.0	16.0	9.0
10.0	14.0	14.0	16.0	16.0	16.0		14.0	16.0	16.0	16.0	16.0	16.0	10.0
11.0	13.0	13.0	16.0	16.0	16.0		13.0	16.0	16.0	16.0	16.0	16.0	11.0
12.0	12.0	12.0	16.0	16.0	16.0		12.0	15.0	15.0	16.0	16.0	16.0	12.0
14.0	11.0	11.0	16.0	15.5	15.0		10.5	13.5	13.5	15.5	15.5	15.5	14.0
16.0	10.0	10.0	14.0	13.0	12.0		9.5	12.0	12.0	13.5	12.5	12.5	16.0
18.0	9.0	9.0	11.5	10.5	9.5		8.5	10.5	10.5	11.0	10.0	10.0	18.0
20.0	8.5	8.5	9.5	8.5	7.5		7.5	9.5	9.5	9.0	8.0	8.0	20.0
22.0	8.0	8.0	8.0	7.0	6.0		7.0	8.0	8.0	7.5	6.5	6.5	22.0
24.0	7.0	7.0	6.5	5.5	4.5		6.5	7.0	6.7	6.5	5.3	5.3	24.0
26.0							6.0	6.0	5.7	5.5	4.3	4.3	26.0
28.0							5.5	5.0	4.7	4.5	3.3	3.3	28.0
Reeving	3											Reeving	
Hook	18t anchor hook											Hook	
Telescoping mode	I	1	1	1	1	2		1	1	1	1	2	I
	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 39 Rated capacity chart (with tip boom)

Unit: ton

Outriggers fully extended to 8.0m, 13t counterweight, over side or rear working area													
Working radius (m)	Tip boom length: 3.0m; angle: 30°											Working radius (m)	
	34.2	34.2	34.2	34.2	34.2★		38.5	38.5	38.5	38.5	38.5★		
4.0													4.0
4.5													4.5
5.0													5.0
5.5													5.5
6.0													6.0
7.0													7.0
8.0	16.0	16.0	16.0	16.0	16.0								8.0
9.0	15.5	16.0	16.0	16.0	16.0								9.0
10.0	15.0	15.0	16.0	16.0	16.0		14.0	16.0	16.0	16.0	16.0	16.0	10.0
11.0	14.0	14.0	16.0	16.0	16.0		13.0	16.0	16.0	16.0	16.0	16.0	11.0
12.0	13.0	13.0	16.0	16.0	16.0		12.0	15.0	16.0	15.5	16.0	16.0	12.0
14.0	11.5	11.5	15.0	15.5	15.0		10.5	13.0	15.0	15.0	15.0	15.0	14.0
16.0	10.0	11.0	13.0	13.5	13.0		9.5	11.5	13.5	13.0	12.5	12.5	16.0
18.0	9.0	9.5	11.0	11.0	10.5		9.0	10.5	11.0	10.5	10.2	10.2	18.0
20.0	8.5	8.5	9.5	9.2	8.7		8.0	9.5	9.0	8.5	8.2	8.2	20.0
22.0	7.5	7.5	8.0	7.7	7.2		7.2	8.0	7.5	7.0	6.6	6.6	22.0
24.0	7.0	7.0	6.6	6.3	5.9		6.5	6.9	6.4	5.9	5.5	5.5	24.0
26.0	6.4	6.0	5.6	5.3	4.9		6.0	5.9	5.4	4.9	4.5	4.5	26.0
28.0	5.5	5.1	4.7	4.4	4.0		5.3	5.0	4.5	4.0	3.6	3.6	28.0
30.0	4.7	4.3	3.9	3.6	3.2		4.5	4.2	3.7	3.2	2.8	2.8	30.0
32.0	4.0	3.6	3.2	2.9	2.5		4.0	3.5	3.0	2.5	2.1	2.1	32.0
34.0							3.5	3.0	2.5	2.0	1.6	1.6	34.0
36.0							3.0	2.5	2.0	1.5	1.1	1.1	36.0
Reeving	3											Reeving	
Hook	18t anchor hook											Hook	
Telescoping mode	I	1	1	1	1	2		1	1	1	2	3	I
	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 40 Rated capacity chart (with tip boom)

Unit: ton

Outriggers fully extended to 8.0m, 13t counterweight, over side or rear working area													
Working radius (m)	Tip boom length: 3.0m; angle: 30°											Working radius (m)	
	42.8	42.8	42.8	42.8★	47.1	47.1	47.1★	51.4	51.4★	55.7★	60★		
4.0													4.0
4.5													4.5
5.0													5.0
5.5													5.5
6.0													6.0
7.0													7.0
8.0													8.0
9.0													9.0
10.0													10.0
11.0	13.5	15.5	16.0	16.0									11.0
12.0	13.0	15.0	16.0	16.0	12.5	14.0	15.0						12.0
14.0	12.0	13.5	15.5	15.5	12.0	13.5	14.5	11.5	13.0				14.0
16.0	10.5	12.5	13.0	12.5	11.0	12.5	13.0	11.0	12.5	10.5			16.0
18.0	9.5	11.0	11.0	10.0	10.0	11.0	10.5	10.0	10.5	10.0	8.5		18.0
20.0	8.6	9.5	9.0	8.4	9.0	9.0	8.5	9.5	8.5	9.0	8.2		20.0
22.0	7.8	8.0	7.3	6.8	8.2	7.5	6.9	8.0	7.0	7.5	7.6		22.0
24.0	7.1	6.7	6.0	5.5	7.0	6.3	5.7	6.6	6.0	6.3	6.4		24.0
26.0	6.2	5.7	5.0	4.5	6.0	5.3	4.7	5.6	5.0	5.3	5.4		26.0
28.0	5.2	4.7	4.0	3.5	5.0	4.3	3.7	4.6	4.0	4.3	4.4		28.0
30.0	4.5	4.0	3.3	2.8	4.3	3.6	3.0	3.9	3.3	3.6	3.7		30.0
32.0	3.8	3.3	2.6	2.2	3.7	3.0	2.4	3.3	2.7	3.0	3.1		32.0
34.0	3.2	2.7	2.0	1.6	3.1	2.4	1.8	2.7	2.1	2.4	2.5		34.0
36.0	2.8	2.3	1.6	1.2	2.6	1.9	1.3	2.2	1.6	1.9	2.0		36.0
38.0	2.4	1.9	1.2		2.2	1.5		1.8	1.2	1.5	1.6		38.0
40.0					1.8	1.1		1.4		1.1	1.2		40.0
42.0					1.5			1.1					42.0
Reeving	3						2						Reeving
Hook	18t anchor hook											Hook	
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I
	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 41 Rated capacity chart (with tip boom)

Unit: ton

Outriggers fully extended to 8.0m, 8t full counterweight, over side or rear working area													
Working radius (m)	Tip boom length: 3.0m; angle: 30°											Working radius (m)	
	12.7★	17.0	17.0	17.0	17.0★		21.3	21.3	21.3	21.3	21.3★		
3.0	18.0												3.0
3.5	16.0	16.0	16.0	16.0	16.0								3.5
4.0	16.0	16.0	16.0	16.0	16.0								4.0
4.5	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0		4.5
5.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0		5.0
6.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0		6.0
7.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0		7.0
8.0	15.5	16.0	16.0	16.0	16.0		15.0	16.0	16.0	16.0	16.0		8.0
9.0	15.0	16.0	16.0	16.0	16.0		14.0	16.0	16.0	16.0	16.0		9.0
10.0	14.5	15.5	15.5	15.5	15.5		13.0	16.0	16.0	16.0	16.0		10.0
11.0	14.0	15.0	15.0	15.0	15.0		12.0	16.0	16.0	16.0	16.0		11.0
12.0	13.5	14.5	14.5	14.5	14.5		11.5	16.0	15.5	15.5	15.5		12.0
14.0		13.0	13.5	13.5	13.0		10.5	14.5	14.0	13.5	12.5		14.0
16.0		11.0	10.5	10.5	10.0		9.5	11.5	11.0	10.5	9.5		16.0
18.0							8.5	9.5	9.0	8.0	7.0		18.0
20.0							7.8	7.5	7.0	6.0	5.0		20.0
Reeving	3											Reeving	
Hook	18t anchor hook											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

Table 42 Rated capacity chart (with tip boom)

Unit: ton

Outriggers fully extended to 8.0m, 8t counterweight, over side or rear working area													
Working radius (m)	Tip boom length: 3.0m; angle: 30°											Working radius (m)	
	25.6	25.6	25.6	25.6	25.6★		29.9	29.9	29.9	29.9	29.9★		
4.0													4.0
4.5													4.5
5.0													5.0
6.0	16.0	16.0	16.0	16.0	16.0								6.0
7.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0	16.0	7.0
8.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0	16.0	8.0
9.0	15.0	15.0	16.0	16.0	16.0		15.0	16.0	16.0	16.0	16.0	16.0	9.0
10.0	14.0	14.0	16.0	16.0	16.0		14.0	16.0	16.0	16.0	16.0	16.0	10.0
11.0	13.0	13.0	16.0	16.0	16.0		13.0	16.0	16.0	16.0	16.0	16.0	11.0
12.0	12.0	12.0	16.0	15.5	15.5		12.0	15.0	15.0	16.0	15.5	15.5	12.0
14.0	11.0	11.0	15.0	14.0	13.0		10.5	13.5	13.5	15.0	13.5	13.5	14.0
16.0	10.0	10.0	12.0	11.0	10.0		9.5	12.0	12.0	11.5	10.5	10.5	16.0
18.0	9.0	9.0	9.7	8.5	7.5		8.5	9.8	9.5	9.4	8.1	8.1	18.0
20.0	8.2	8.0	7.7	7.0	5.7		7.5	8.0	7.7	7.5	6.2	6.2	20.0
22.0	6.7	6.5	6.2	5.5	4.2		7.0	6.6	6.3	6.1	4.8	4.8	22.0
24.0	5.7	5.5	5.2	4.5	3.2		6.0	5.6	5.3	5.1	3.8	3.8	24.0
26.0							5.0	4.6	4.3	4.1	3.0	3.0	26.0
28.0							4.2	3.8	3.5	3.3	2.2	2.2	28.0
Reeving	3											Reeving	
Hook	18t anchor hook											Hook	
Telescoping mode	I	1	1	1	1	2		1	1	1	1	2	I
	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 43 Rated capacity chart (with tip boom)

Unit: ton

Outriggers fully extended to 8.0m, 8t counterweight, over side or rear working area														
Working radius (m)	Tip boom length: 3.0m; angle: 30°											Working radius (m)		
	34.2	34.2	34.2	34.2	34.2 ★		38.5	38.5	38.5	38.5	38.5 ★			
4.0													4.0	
4.5													4.5	
5.0													5.0	
5.5													5.5	
6.0													6.0	
7.0													7.0	
8.0	16.0	16.0	16.0	16.0	16.0								8.0	
9.0	15.5	16.0	16.0	16.0	16.0								9.0	
10.0	15.0	15.0	16.0	16.0	16.0		14.0	16.0	16.0	16.0	16.0	16.0	10.0	
11.0	14.0	14.0	16.0	16.0	16.0		13.0	16.0	16.0	16.0	16.0	16.0	11.0	
12.0	13.0	13.0	16.0	15.5	15.5		12.0	15.0	16.0	15.5	15.5	15.5	12.0	
14.0	11.5	11.5	15.0	14.5	14.0		10.5	13.0	15.0	14.5	14.0	14.0	14.0	
16.0	10.0	11.0	12.0	11.5	11.0		9.5	11.5	11.5	11.0	10.5	10.5	16.0	
18.0	9.0	9.5	9.5	9.0	8.5		9.0	9.5	9.5	8.5	8.0	8.0	18.0	
20.0	8.5	8.0	7.7	7.5	7.0		8.0	8.0	7.5	7.0	6.5	6.5	20.0	
22.0	7.0	6.6	6.2	6.0	5.5		7.0	6.5	6.1	5.5	5.1	5.1	22.0	
24.0	6.0	5.6	5.2	5.0	4.5		6.0	5.5	5.1	4.5	4.1	4.1	24.0	
26.0	5.0	4.6	4.2	4.0	3.5		5.0	4.5	4.1	3.5	3.1	3.1	26.0	
28.0	4.2	3.8	3.4	3.2	2.7		4.2	3.7	3.3	2.7	2.3	2.3	28.0	
30.0	3.6	3.2	2.8	2.6	2.1		3.5	3.0	2.6	2.0	1.6	1.6	30.0	
32.0	3.0	2.6	2.2	2.0	1.5		3.0	2.5	2.1	1.5	1.1	1.1	32.0	
34.0							2.5	2.0	1.6	1.0			34.0	
Reeving	3											Reeving		
Hook	18t anchor hook											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 44 Rated capacity chart (with tip boom)

Unit: ton

Outriggers fully extended to 8.0m, 8t counterweight, over side or rear working area													
Working radius (m)	Tip boom length: 3.0m; angle: 30°											Working radius (m)	
	42.8	42.8	42.8	42.8★	47.1	47.1	47.1★	51.4	51.4★	55.7★	60★		
4.0													4.0
4.5													4.5
5.0													5.0
5.5													5.5
6.0													6.0
7.0													7.0
8.0													8.0
9.0													9.0
10.0													10.0
11.0	13.5	15.5	16.0	16.0									11.0
12.0	13.0	15.0	16.0	15.5	12.5	14.0	15.0						12.0
14.0	12.0	13.5	14.5	14.0	12.0	13.5	14.0	11.5	13.0				14.0
16.0	10.5	12.0	11.0	10.5	11.0	11.5	11.0	11.0	11.0	10.5			16.0
18.0	9.5	9.5	8.7	8.2	10.0	9.0	8.5	9.5	9.0	9.0	8.5		18.0
20.0	8.5	7.8	7.0	6.5	8.1	7.3	6.7	7.7	7.0	7.5	7.5		20.0
22.0	7.0	6.5	5.7	5.2	6.8	6.0	5.4	6.4	5.7	6.0	6.1		22.0
24.0	5.7	5.3	4.5	4.0	5.6	4.8	4.2	5.2	4.5	4.8	4.9		24.0
26.0	4.8	4.4	3.6	3.1	4.7	3.9	3.3	4.3	3.6	3.9	4.0		26.0
28.0	4.0	3.6	2.8	2.3	3.9	3.1	2.5	3.5	2.8	3.1	3.2		28.0
30.0	3.3	2.9	2.1	1.6	3.2	2.4	1.8	2.8	2.1	2.5	2.6		30.0
32.0	2.8	2.4	1.6	1.1	2.7	1.9	1.3	2.3	1.6	1.9	2.0		32.0
34.0	2.3	1.9	1.1		2.2	1.4		1.8	1.1	1.4	1.5		34.0
36.0	1.8	1.4			1.8	1.0		1.4		1.0	1.1		36.0
Reeving	3						2						Reeving
Hook	18t anchor hook											Hook	
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I
	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 45 Rated capacity chart (with tip boom)

Unit: ton

Outriggers fully extended to 8.0m, 2t full counterweight, over side or rear working area													
Working radius (m)	Tip boom length: 3.0m; angle: 30°											Working radius (m)	
	12.7★	17.0	17.0	17.0	17.0★		21.3	21.3	21.3	21.3	21.3★		
3.0	18.0												3.0
3.5	16.0	16.0	16.0	16.0	16.0								3.5
4.0	16.0	16.0	16.0	16.0	16.0								4.0
4.5	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0		4.5
5.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0		5.0
6.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0		6.0
7.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0		7.0
8.0	15.5	16.0	16.0	16.0	16.0		15.0	16.0	16.0	16.0	16.0		8.0
9.0	15.0	16.0	16.0	16.0	16.0		14.0	16.0	16.0	16.0	16.0		9.0
10.0	14.5	15.5	15.5	15.5	15.5		13.0	16.0	16.0	16.0	16.0		10.0
11.0	14.0	15.0	15.0	15.0	15.0		12.0	16.0	15.5	15.5	15.5		11.0
12.0	13.5	14.5	14.5	14.5	14.0		11.5	15.5	15.0	14.5	13.0		12.0
14.0		11.0	10.5	10.0	9.5		10.5	11.5	11.0	10.5	9.0		14.0
16.0		8.5	8.0	7.5	7.0		9.2	9.0	8.5	7.5	6.5		16.0
18.0							7.2	7.0	6.5	5.5	4.5		18.0
20.0							5.7	5.5	5.0	4.0	3.0		20.0
Reeving	3											Reeving	
Hook	18t anchor hook											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

Table 46 Rated capacity chart (with tip boom)

Unit: ton

Outriggers fully extended to 8.0m, 2t counterweight, over side or rear working area													
Working radius (m)	Tip boom length: 3.0m; angle: 30°											Working radius (m)	
	25.6	25.6	25.6	25.6	25.6★		29.9	29.9	29.9	29.9	29.9★		
4.0													4.0
4.5													4.5
5.0													5.0
6.0	16.0	16.0	16.0	16.0	16.0								6.0
7.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0	16.0	7.0
8.0	16.0	16.0	16.0	16.0	16.0		16.0	16.0	16.0	16.0	16.0	16.0	8.0
9.0	15.0	15.0	16.0	16.0	16.0		15.0	16.0	16.0	16.0	16.0	16.0	9.0
10.0	14.0	14.0	16.0	16.0	16.0		14.0	16.0	16.0	16.0	16.0	16.0	10.0
11.0	13.0	13.0	16.0	15.5	15.5		13.0	16.0	16.0	15.5	15.5	15.5	11.0
12.0	12.0	12.0	15.5	15.0	14.0		12.0	15.0	15.0	15.0	14.5	14.5	12.0
14.0	11.0	11.0	12.0	11.0	9.5		10.5	12.0	12.0	11.8	10.4	10.4	14.0
16.0	9.5	9.2	9.0	8.1	7.0		9.5	9.5	9.2	9.0	7.7	7.7	16.0
18.0	7.5	7.2	7.0	6.1	5.0		8.0	7.5	7.2	7.0	5.7	5.7	18.0
20.0	6.0	5.7	5.5	4.6	3.5		6.4	6.0	5.7	5.5	4.2	4.2	20.0
22.0	5.0	4.7	4.5	3.6	2.5		5.2	4.8	4.5	4.3	3.0	3.0	22.0
24.0	4.0	3.7	3.5	2.6	1.5		4.2	3.8	3.5	3.3	2.0	2.0	24.0
26.0							3.4	3.0	2.7	2.5	1.2	1.2	26.0
28.0							2.7	2.3	2.0	1.8			28.0
Reeving	3											Reeving	
Hook	18t anchor hook											Hook	
Telescoping mode	I	1	1	1	1	2		1	1	1	1	2	I
	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 47 Rated capacity chart (with tip boom)

Unit: ton

Outriggers fully extended to 8.0m, 2t counterweight, over side or rear working area													
Working radius (m)	Tip boom length: 3.0m; angle: 30°											Working radius (m)	
	34.2	34.2	34.2	34.2	34.2★		38.5	38.5	38.5	38.5	38.5★		
4.0													4.0
4.5													4.5
5.0													5.0
5.5													5.5
6.0													6.0
7.0													7.0
8.0	16.0	16.0	16.0	16.0	16.0								8.0
9.0	15.5	16.0	16.0	16.0	16.0								9.0
10.0	15.0	15.0	16.0	16.0	16.0		14.0	16.0	16.0	16.0	16.0	16.0	10.0
11.0	14.0	14.0	16.0	15.5	15.5		13.0	16.0	15.5	15.5	15.5	15.5	11.0
12.0	13.0	13.0	15.5	15.0	15.0		12.0	15.0	15.0	15.0	14.5	14.5	12.0
14.0	11.5	11.5	11.5	11.5	11.0		10.5	12.0	11.5	11.0	10.5	10.5	14.0
16.0	9.5	9.5	9.0	8.8	8.4		9.5	9.4	9.0	8.4	7.9	7.9	16.0
18.0	7.9	7.5	7.1	6.8	6.4		7.9	7.3	6.9	6.3	5.8	5.8	18.0
20.0	6.4	6.0	5.6	5.3	4.9		6.4	5.8	5.4	4.8	4.3	4.3	20.0
22.0	5.2	4.8	4.4	4.1	3.7		5.2	4.6	4.2	3.6	3.3	3.3	22.0
24.0	4.2	3.8	3.4	3.1	2.7		4.2	3.6	3.2	2.6	2.3	2.3	24.0
26.0	3.4	3.0	2.6	2.3	1.9		3.4	2.8	2.4	1.8	1.5	1.5	26.0
28.0	2.7	2.3	1.9	1.6	1.2		2.8	2.2	1.8	1.2	1.0	1.0	28.0
30.0	2.2	1.8	1.4	1.1			2.2	1.6	1.2				30.0
32.0							1.7	1.1					32.0
Reeving	3											Reeving	
Hook	18t anchor hook											Hook	
Telescoping mode	I	1	1	1	1	2		1	1	1	2	3	I
	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 48 Rated capacity chart (with tip boom)

Unit: ton

Outriggers fully extended to 8.0m, 2t counterweight, over side or rear working area													
Working radius (m)	Tip boom length: 3.0m; angle: 30°											Working radius (m)	
	42.8	42.8	42.8	42.8★	47.1	47.1	47.1★	51.4	51.4★	55.7★	60★		
4.0													4.0
4.5													4.5
5.0													5.0
5.5													5.5
6.0													6.0
7.0													7.0
8.0													8.0
9.0													9.0
10.0													10.0
11.0	13.5	15.5	16.0	16.0									11.0
12.0	13.0	15.0	15.5	14.5	12.5	14.0	15.0						12.0
14.0	12.0	11.7	11.0	10.5	12.0	11.5	10.5	11.5	11.0				14.0
16.0	9.5	9.0	8.3	7.8	9.5	8.8	8.0	9.0	8.3	8.5			16.0
18.0	7.5	7.0	6.3	5.8	7.4	6.7	6.0	7.0	6.3	6.7	7.0		18.0
20.0	6.2	5.7	5.0	4.4	6.0	5.3	4.6	5.6	4.9	5.3	5.4		20.0
22.0	5.0	4.5	3.8	3.3	4.8	4.1	3.4	4.4	3.7	4.1	4.2		22.0
24.0	4.0	3.5	2.9	2.3	3.8	3.1	2.4	3.4	2.7	3.1	3.2		24.0
26.0	3.2	2.7	2.1	1.5	3.0	2.3	1.6	2.6	1.9	2.3	2.4		26.0
28.0	2.5	2.0	1.4		2.4	1.7	1.0	2.0	1.3	1.7	1.8		28.0
30.0	2.0	1.5	1.0		1.8	1.1		1.4		1.1	1.2		30.0
32.0	1.6	1.1			1.4								32.0
Reeving	3						2						Reeving
Hook	18t anchor hook											Hook	
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I
	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 49 Rated capacity chart

Unit: ton

Outriggers intermediately extended, 27t counterweight, over side or rear working area													
Working radius (m)	Boom length (m)											Working radius (m)	
	12.7★	17.0	17.0	17.0	17.0★		21.3	21.3	21.3	21.3	21.3★		
3.0	80.0	46.0	75.0	75.0	75.0		33.5	50.0	68.0	68.0	68.0	3.0	
3.5	78.0	43.0	74.0	74.0	74.0		31.5	47.5	67.0	68.0	68.0	3.5	
4.0	76.0	41.0	73.0	73.0	73.0		29.5	45.5	65.0	67.0	67.0	4.0	
4.5	60.0	39.0	68.0	68.0	68.0		28.0	43.5	63.0	66.0	65.0	4.5	
5.0	55.0	37.0	64.0	64.0	64.0		26.3	41.5	60.0	62.5	61.5	5.0	
6.0	45.0	34.0	56.0	55.0	55.0		23.8	38.0	53.0	52.0	51.0	6.0	
7.0	35.0	31.0	42.0	42.0	42.0		21.5	35.5	43.0	42.0	41.0	7.0	
8.0	30.0	29.0	33.0	33.0	33.0		19.8	33.0	35.0	34.0	33.0	8.0	
9.0	25.0	27.0	28.0	27.5	27.0		18.2	31.0	28.0	27.0	26.0	9.0	
10.0		25.5	24.0	23.5	23.0		16.9	25.0	24.5	23.5	22.5	10.0	
11.0		20.0	19.5	19.0	18.5		15.7	21.0	20.5	19.5	18.5	11.0	
12.0		18.0	17.5	17.0	16.5		14.8	18.5	18.0	17.0	16.0	12.0	
14.0							13.0	14.5	14.0	13.0	12.0	14.0	
16.0							11.8	11.5	11.0	10.0	9.0	16.0	
Reeving	12											Reeving	
Hook	60t anchor hook											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

Table 50 Rated capacity chart (with boom only)

Unit: ton

Outriggers intermediately extended, 27t counterweight, over side or rear working area														
Working radius (m)	Boom length (m)											Working radius (m)		
	25.6	25.6	25.6	25.6	25.6★		29.9	29.9	29.9	29.9	29.9★			
3.0													3.0	
3.5													3.5	
4.0	32.0	34.5	49.0	60.0	60.0								4.0	
4.5	30.5	32.0	46.5	56.0	56.0								4.5	
5.0	29.0	30.0	44.0	53.0	53.0		26.5	32.5	33.0	53.0	54.0		5.0	
6.0	26.5	27.0	41.5	50.0	50.0		24.0	29.0	29.5	50.0	50.0		6.0	
7.0	24.0	24.5	39.0	43.0	41.0		21.5	26.5	26.5	47.0	41.0		7.0	
8.0	22.4	22.4	36.5	35.0	33.0		19.5	24.0	24.0	35.0	34.0		8.0	
9.0	20.5	20.5	30.0	28.0	27.0		18.0	22.0	22.0	29.0	28.0		9.0	
10.0	18.8	18.8	25.0	24.0	23.0		16.5	20.0	20.0	25.0	24.0		10.0	
11.0	17.5	17.5	21.5	20.5	19.5		15.4	18.5	18.5	21.0	20.0		11.0	
12.0	16.4	16.4	18.5	17.5	16.5		14.3	17.5	17.5	19.0	18.0		12.0	
14.0	14.4	14.4	14.0	13.0	12.0		12.5	15.2	15.2	14.5	13.5		14.0	
16.0	12.8	12.8	11.0	10.0	9.0		11.0	12.0	11.7	11.5	10.5		16.0	
18.0	10.0	10.0	9.8	9.0	8.0		10.0	10.0	9.7	9.5	8.5		18.0	
20.0	8.5	8.5	8.3	7.5	6.5		9.0	9.0	8.7	8.5	7.1		20.0	
22.0							8.2	7.5	7.2	7.0	5.6		22.0	
24.0							6.8	6.5	6.2	6.0	4.6		24.0	
Reeving	10						9					Reeving		
Hook	60t anchor hook											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 51 Rated capacity chart (with boom only)

Unit: ton

Outriggers intermediately extended, 27t counterweight, over side or rear working area														
Working radius (m)	Boom length (m)											Working radius (m)		
	34.2	34.2	34.2	34.2	34.2★		38.5	38.5	38.5	38.5	38.5★			
3.0													3.0	
3.5													3.5	
4.0													4.0	
4.5													4.5	
5.0													5.0	
6.0	26.5	26.5	32.0	40.0	43.0								6.0	
7.0	23.5	23.5	29.0	36.5	40.0		22.0	26.0	31.5	36.0	36.0		7.0	
8.0	21.5	21.5	27.0	33.5	34.0		20.0	24.0	29.0	33.0	34.0		8.0	
9.0	20.0	20.0	25.0	30.5	28.5		18.5	22.0	27.0	28.0	28.0		9.0	
10.0	18.0	18.0	23.0	25.0	24.0		17.0	20.5	25.0	24.0	24.0		10.0	
11.0	17.0	17.0	21.5	21.5	20.5		15.5	19.0	21.5	20.5	20.0		11.0	
12.0	15.7	15.5	20.0	19.0	18.5		14.5	17.8	19.0	18.0	17.5		12.0	
14.0	13.7	13.5	15.0	14.5	14.0		12.5	15.6	15.0	14.0	13.5		14.0	
16.0	12.2	12.0	12.0	11.5	11.0		11.0	12.0	12.0	11.0	10.5		16.0	
18.0	11.0	10.8	10.0	9.5	9.0		10.0	10.0	9.5	8.8	8.5		18.0	
20.0	9.4	9.0	8.6	8.3	7.9		9.0	8.8	8.3	7.6	7.3		20.0	
22.0	8.0	7.6	7.2	6.9	6.5		8.1	7.6	7.1	6.4	6.1		22.0	
24.0	7.0	6.6	6.1	5.8	5.4		6.9	6.4	5.9	5.2	4.9		24.0	
26.0	6.0	5.6	5.1	4.8	4.4		6.0	5.5	5.0	4.3	4.0		26.0	
28.0	5.2	4.8	4.3	4.0	3.6		5.2	4.7	4.3	3.6	3.3		28.0	
30.0							4.5	4.0	3.6	2.9	2.6		30.0	
32.0							3.9	3.4	3.0	2.3	2.0		32.0	
Reeving	7							6						Reeving
Hook	60t anchor hook												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 52 Rated capacity chart (with boom only)

Unit: ton

Outriggers intermediately extended, 27t counterweight, over side or rear working area													
Working radius (m)	Boom length (m)											Working radius (m)	
	42.8	42.8	42.8	42.8★	47.1	47.1	47.1★	51.4	51.4★	55.7★	60★		
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	19.5	23.0	27.0	27.5								9.0	
10.0	18.5	21.5	25.5	24.0	18.5	21.5	23.0					10.0	
11.0	17.0	20.0	21.0	20.0	17.5	20.0	20.5	17.5	19.5			11.0	
12.0	16.0	18.8	18.0	17.5	16.0	18.5	18.0	16.5	18.5	15.0		12.0	
14.0	14.0	15.0	14.0	13.5	14.5	14.5	14.0	15.0	14.0	14.5	12.5	14.0	
16.0	12.3	12.0	11.0	10.5	13.2	11.5	11.0	12.0	11.0	12.0	11.5	16.0	
18.0	11.0	10.0	9.3	8.8	10.0	9.3	8.8	10.0	9.0	9.5	10.0	18.0	
20.0	9.0	8.5	7.8	7.3	9.0	8.3	7.6	8.7	8.0	8.5	8.6	20.0	
22.0	7.8	7.3	6.6	6.1	7.7	7.0	6.3	7.4	6.7	7.1	7.2	22.0	
24.0	6.8	6.3	5.6	5.1	6.7	6.0	5.3	6.3	5.6	6.0	6.1	24.0	
26.0	5.8	5.3	4.6	4.1	5.7	5.0	4.3	5.3	4.6	5.0	5.1	26.0	
28.0	5.0	4.5	3.8	3.3	4.9	4.2	3.5	4.5	3.8	4.2	4.3	28.0	
30.0	4.3	3.8	3.1	2.6	4.2	3.5	2.8	3.8	3.1	3.5	3.6	30.0	
32.0	3.7	3.2	2.5	2.0	3.6	2.9	2.2	3.2	2.5	2.9	3.0	32.0	
34.0	3.2	2.7	2.0	1.5	3.1	2.4	1.7	2.7	2.0	2.4	2.5	34.0	
36.0	2.8	2.3	1.6	1.1	2.6	1.9	1.2	2.2	1.5	1.9	2.0	36.0	
38.0					2.2	1.5		1.8	1.1	1.5	1.6	38.0	
40.0								1.5		1.2	1.3	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 anchor hook											Hook	
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I
	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 53 Rated capacity chart

Unit: ton

Outriggers intermediately extended, 22t counterweight, over side or rear working area													
Working radius (m)	Boom length (m)											Working radius (m)	
	12.7★	17.0	17.0	17.0	17.0★		21.3	21.3	21.3	21.3	21.3★		
3.0	80.0	46.0	75.0	75.0	75.0		33.5	50.0	68.0	68.0	68.0	3.0	
3.5	78.0	43.0	74.0	74.0	74.0		31.5	47.5	67.0	68.0	68.0	3.5	
4.0	76.0	41.0	73.0	73.0	73.0		29.5	45.5	65.0	67.0	67.0	4.0	
4.5	60.0	39.0	68.0	68.0	68.0		28.0	43.5	63.0	66.0	65.0	4.5	
5.0	55.0	37.0	64.0	64.0	64.0		26.3	41.5	60.0	62.5	61.5	5.0	
6.0	45.0	34.0	52.0	52.0	52.0		23.8	38.0	53.0	52.0	51.0	6.0	
7.0	35.0	31.0	41.5	41.0	40.0		21.5	35.5	42.0	41.0	39.0	7.0	
8.0	30.0	29.0	32.5	32.0	31.0		19.8	33.0	33.0	32.0	30.5	8.0	
9.0	25.0	27.0	26.5	26.0	25.0		18.2	28.0	27.0	26.0	24.5	9.0	
10.0		22.5	22.0	21.5	21.0		16.9	23.5	22.5	21.5	20.0	10.0	
11.0		19.0	18.5	18.0	17.5		15.7	20.0	19.0	18.0	17.0	11.0	
12.0		16.5	16.0	15.5	15.0		14.8	17.0	16.0	15.0	14.0	12.0	
14.0							13.0	13.0	12.0	11.0	10.0	14.0	
16.0							11.0	10.5	9.5	8.5	7.5	16.0	
Reeving	12											Reeving	
Hook	60t anchor hook											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

Table 54 Rated capacity chart (with boom only)

Unit: ton

Outriggers intermediately extended, 22t counterweight, over side or rear working area														
Working radius (m)	Boom length (m)											Working radius (m)		
	25.6	25.6	25.6	25.6	25.6★		29.9	29.9	29.9	29.9	29.9★			
3.0													3.0	
3.5													3.5	
4.0	32.0	34.5	49.0	60.0	60.0								4.0	
4.5	30.5	32.0	46.5	56.0	56.0								4.5	
5.0	29.0	30.0	44.0	53.0	53.0		26.5	32.5	33.0	53.0	54.0		5.0	
6.0	26.5	27.0	41.5	50.0	50.0		24.0	29.0	29.5	50.0	50.0		6.0	
7.0	24.0	24.5	39.0	41.0	39.0		21.5	26.5	26.5	41.5	40.0		7.0	
8.0	22.4	22.4	34.0	33.0	31.0		19.5	24.0	24.0	33.5	32.0		8.0	
9.0	20.5	20.5	28.0	27.0	25.0		18.0	22.0	22.0	27.5	26.0		9.0	
10.0	18.8	18.8	23.5	22.5	21.0		16.5	20.0	20.0	23.5	22.0		10.0	
11.0	17.5	17.5	20.0	19.0	17.5		15.4	18.5	18.5	20.0	18.5		11.0	
12.0	16.4	16.0	17.5	16.5	15.0		14.3	17.0	17.0	17.0	15.5		12.0	
14.0	14.0	14.0	13.5	12.5	11.0		12.5	14.0	13.7	13.5	12.0		14.0	
16.0	11.0	11.0	10.5	9.5	8.5		11.0	11.0	10.7	10.5	9.2		16.0	
18.0	9.0	9.0	8.5	7.5	6.5		9.5	9.1	8.7	8.5	7.2		18.0	
20.0	7.5	7.5	7.0	6.0	5.0		8.0	7.6	7.2	7.0	5.7		20.0	
22.0							6.8	6.4	6.0	5.8	4.5		22.0	
24.0							5.8	5.4	5.0	4.8	3.5		24.0	
Reeving	10						9					Reeving		
Hook	60t anchor hook											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 55 Rated capacity chart (with boom only)

Unit: ton

Outriggers intermediately extended, 22t counterweight, over side or rear working area														
Working radius (m)	Boom length (m)											Working radius (m)		
	34.2	34.2	34.2	34.2	34.2★		38.5	38.5	38.5	38.5	38.5★			
3.0													3.0	
3.5													3.5	
4.0													4.0	
4.5													4.5	
5.0													5.0	
6.0	26.5	26.5	32.0	40.0	43.0								6.0	
7.0	23.5	23.5	29.0	36.5	40.0		22.0	26.0	31.5	36.0	36.0		7.0	
8.0	21.5	21.5	27.0	33.5	32.5		20.0	24.0	29.0	32.0	31.5		8.0	
9.0	20.0	20.0	25.0	28.0	27.0		18.5	22.0	27.0	27.0	26.5		9.0	
10.0	18.0	18.0	23.0	23.0	22.5		17.0	20.5	23.5	22.5	22.0		10.0	
11.0	17.0	17.0	20.5	20.0	19.5		15.5	19.0	20.0	19.5	19.0		11.0	
12.0	15.7	15.5	17.5	17.0	16.5		14.5	17.8	17.5	16.5	16.0		12.0	
14.0	13.7	13.5	13.5	13.0	12.5		12.5	14.0	13.5	12.5	12.0		14.0	
16.0	11.7	11.3	10.8	10.5	10.0		11.0	11.0	10.5	10.0	9.6		16.0	
18.0	9.7	9.3	8.8	8.5	8.0		9.5	9.0	8.5	8.0	7.6		18.0	
20.0	8.2	7.8	7.3	7.0	6.5		8.0	7.5	7.0	6.5	6.1		20.0	
22.0	6.9	6.5	6.0	5.7	5.2		6.8	6.3	5.8	5.3	4.9		22.0	
24.0	5.9	5.5	5.0	4.7	4.2		5.8	5.3	4.8	4.3	3.9		24.0	
26.0	5.0	4.6	4.1	3.8	3.3		4.9	4.4	3.9	3.4	3.0		26.0	
28.0	4.3	3.9	3.4	3.1	2.6		4.2	3.7	3.2	2.7	2.3		28.0	
30.0							3.5	3.0	2.5	2.0	1.6		30.0	
32.0							3.0	2.5	2.0	1.5	1.1		32.0	
Reeving	7							6						Reeving
Hook	60t anchor hook											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 56 Rated capacity chart (with boom only)

Unit: ton

Outriggers intermediately extended, 22t counterweight, over side or rear working area													
Working radius (m)	Boom length (m)											Working radius (m)	
	42.8	42.8	42.8	42.8★	47.1	47.1	47.1★	51.4	51.4★	55.7★	60★		
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	19.5	23.0	27.0	26.0									9.0
10.0	18.5	21.5	23.0	22.5	18.5	21.5	22.5						10.0
11.0	17.0	20.0	19.5	19.0	17.5	20.0	19.5	17.5	19.5				11.0
12.0	16.0	18.0	17.0	16.5	16.0	17.5	16.5	16.5	17.0	15.0			12.0
14.0	14.0	14.0	13.0	12.5	14.5	13.5	12.5	14.0	13.0	13.5	12.5		14.0
16.0	11.5	11.0	10.2	9.7	11.4	10.7	10.0	11.0	10.3	10.7	11.0		16.0
18.0	9.5	9.0	8.2	7.7	9.4	8.7	8.0	9.0	8.3	8.7	8.8		18.0
20.0	7.9	7.4	6.6	6.1	7.7	7.0	6.3	7.3	6.6	7.0	7.1		20.0
22.0	6.7	6.2	5.4	4.9	6.4	5.7	5.0	6.0	5.3	5.7	5.8		22.0
24.0	5.7	5.2	4.4	3.9	5.4	4.7	4.0	5.0	4.3	4.7	4.8		24.0
26.0	4.8	4.3	3.5	3.0	4.6	3.9	3.2	4.2	3.5	3.9	4.0		26.0
28.0	4.1	3.6	2.8	2.3	3.9	3.2	2.5	3.5	2.8	3.2	3.3		28.0
30.0	3.5	3.0	2.2	1.7	3.3	2.6	1.9	2.9	2.2	2.6	2.7		30.0
32.0	2.9	2.4	1.6	1.1	2.7	2.0	1.3	2.3	1.6	2.0	2.1		32.0
34.0	2.5	2.0	1.2		2.2	1.5		1.9	1.2	1.6	1.7		34.0
36.0								1.5		1.2	1.3		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 anchor hook												Hook
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I
	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 57 Rated capacity chart

Unit: ton

Outriggers intermediately extended, 18t counterweight, over side or rear working area													
Working radius (m)	Boom length (m)											Working radius (m)	
	12.7★	17.0	17.0	17.0	17.0★		21.3	21.3	21.3	21.3	21.3★		
3.0	80.0	46.0	75.0	75.0	75.0		33.5	50.0	68.0	68.0	68.0	3.0	
3.5	78.0	43.0	74.0	74.0	74.0		31.5	47.5	67.0	68.0	68.0	3.5	
4.0	76.0	41.0	73.0	73.0	73.0		29.5	45.5	65.0	67.0	67.0	4.0	
4.5	60.0	39.0	68.0	68.0	68.0		28.0	43.5	63.0	66.0	65.0	4.5	
5.0	55.0	37.0	60.0	60.0	60.0		26.3	41.5	60.0	60.0	60.0	5.0	
6.0	45.0	34.0	49.0	49.0	48.5		23.8	38.0	49.0	48.0	46.5	6.0	
7.0	35.0	31.0	36.5	36.0	35.5		21.5	35.5	37.5	36.5	35.0	7.0	
8.0	26.0	29.0	28.5	28.0	27.5		19.8	30.0	29.5	28.5	27.0	8.0	
9.0	21.0	23.5	23.0	22.5	22.0		18.2	24.5	24.0	23.0	21.5	9.0	
10.0		19.5	19.0	18.5	18.0		16.9	20.5	20.0	19.0	17.5	10.0	
11.0		16.5	16.0	15.5	15.0		15.7	17.5	17.0	16.0	14.5	11.0	
12.0		14.0	13.5	13.0	12.5		14.8	15.0	14.5	13.5	12.0	12.0	
14.0							12.0	11.5	11.0	10.0	8.5	14.0	
16.0							9.5	9.0	8.5	7.5	6.0	16.0	
Reeving	12											Reeving	
Hook	60t anchor hook											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

Table 58 Rated capacity chart (with boom only)

Unit: ton

Outriggers intermediately extended, 18t counterweight, over side or rear working area														
Working radius (m)	Boom length (m)											Working radius (m)		
	25.6	25.6	25.6	25.6	25.6★		29.9	29.9	29.9	29.9	29.9★			
3.0													3.0	
3.5													3.5	
4.0	32.0	34.5	49.0	60.0	60.0								4.0	
4.5	30.5	32.0	46.5	56.0	56.0								4.5	
5.0	29.0	30.0	44.0	53.0	53.0		26.5	32.5	33.0	53.0	53.0		5.0	
6.0	26.5	27.0	41.5	47.0	46.0		24.0	29.0	29.5	45.0	45.0		6.0	
7.0	24.0	24.5	39.0	36.0	35.0		21.5	26.5	26.5	37.0	35.5		7.0	
8.0	22.4	22.4	29.5	28.5	27.5		19.5	24.0	24.0	30.0	28.5		8.0	
9.0	20.5	20.5	24.0	23.0	22.0		18.0	22.0	22.0	24.5	23.0		9.0	
10.0	18.8	18.8	20.0	19.0	18.0		16.5	20.0	20.0	20.5	19.0		10.0	
11.0	17.5	17.5	17.0	16.0	15.0		15.4	18.5	18.0	17.5	16.0		11.0	
12.0	16.0	16.0	14.5	13.5	12.5		14.3	16.0	15.5	15.0	13.5		12.0	
14.0	11.5	11.0	10.5	9.5	8.5		12.5	12.5	12.0	11.5	10.0		14.0	
16.0	10.0	9.5	9.0	8.0	7.0		10.5	10.0	9.7	9.5	8.0		16.0	
18.0	8.0	7.5	7.0	6.0	5.0		8.5	8.0	7.7	7.4	6.2		18.0	
20.0	6.5	6.5	6.0	5.0	4.0		7.0	6.5	6.2	5.9	4.7		20.0	
22.0							5.8	5.3	5.0	4.7	3.5		22.0	
24.0							5.0	4.5	4.2	3.9	2.7		24.0	
Reeving	10							9					Reeving	
Hook	60t anchor hook											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 59 Rated capacity chart (with boom only)

Unit: ton

Outriggers intermediately extended, 18t counterweight, over side or rear working area														
Working radius (m)	Boom length (m)											Working radius (m)		
	34.2	34.2	34.2	34.2	34.2★		38.5	38.5	38.5	38.5	38.5★			
3.0													3.0	
3.5													3.5	
4.0													4.0	
4.5													4.5	
5.0													5.0	
6.0	26.5	26.5	32.0	40.0	43.0								6.0	
7.0	23.5	23.5	29.0	36.5	36.0		22.0	26.0	31.5	35.0	35.0		7.0	
8.0	21.5	21.5	27.0	30.0	29.5		20.0	24.0	29.0	29.0	28.5		8.0	
9.0	20.0	20.0	25.0	24.5	24.0		18.5	22.0	24.5	24.0	23.5		9.0	
10.0	18.0	18.0	21.0	20.5	20.0		17.0	20.5	20.5	20.0	19.5		10.0	
11.0	17.0	17.0	18.0	17.5	17.0		15.5	18.0	17.5	17.0	16.5		11.0	
12.0	15.7	15.5	15.5	15.0	14.5		14.5	16.0	15.5	14.5	14.0		12.0	
14.0	13.0	12.5	12.0	11.5	11.0		12.5	12.0	11.5	11.0	10.5		14.0	
16.0	10.5	10.0	9.5	9.0	8.5		10.5	9.5	9.0	8.5	8.0		16.0	
18.0	8.5	8.0	7.5	7.3	6.9		8.5	8.0	7.5	6.9	6.5		18.0	
20.0	7.0	6.5	6.0	5.8	5.4		7.0	6.4	6.0	5.4	5.0		20.0	
22.0	5.8	5.3	4.8	4.6	4.2		5.8	5.2	4.8	4.2	3.8		22.0	
24.0	5.0	4.5	4.0	3.8	3.4		5.0	4.4	4.0	3.4	3.0		24.0	
26.0	4.2	3.7	3.2	3.0	2.6		4.0	3.4	3.0	2.4	2.0		26.0	
28.0	3.5	3.0	2.5	2.3	1.9		3.5	2.9	2.5	1.9	1.5		28.0	
30.0							3.0	2.4	2.0	1.4	1.0		30.0	
32.0							2.5	1.9	1.5				32.0	
Reeving	7							6						Reeving
Hook	60t anchor hook												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 60 Rated capacity chart (with boom only)

Unit: ton

Outriggers intermediately extended, 18t counterweight, over side or rear working area													
Working radius (m)	Boom length (m)											Working radius (m)	
	42.8	42.8	42.8	42.8★	47.1	47.1	47.1★	51.4	51.4★	55.7★	60★		
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	19.5	23.0	24.0	23.5									9.0
10.0	18.5	21.5	20.5	20.0	18.5	20.5	20.0						10.0
11.0	17.0	18.0	17.5	16.5	17.5	18.0	17.0	17.5	17.0				11.0
12.0	16.0	15.5	15.0	14.5	16.0	15.5	14.5	16.0	15.0	15.0			12.0
14.0	12.5	12.0	11.5	10.5	12.5	11.5	11.0	12.0	11.5	12.0	12.0		14.0
16.0	10.0	9.5	9.0	8.2	10.0	9.3	8.5	9.5	9.0	9.5	9.6		16.0
18.0	8.3	7.8	7.1	6.5	8.0	7.4	6.7	7.7	7.0	7.6	7.7		18.0
20.0	6.8	6.3	5.6	5.0	6.5	5.9	5.2	6.2	5.5	6.0	6.1		20.0
22.0	5.7	5.2	4.5	3.9	5.4	4.8	4.1	5.1	4.4	4.9	5.0		22.0
24.0	4.8	4.3	3.6	3.0	4.5	3.9	3.2	4.2	3.5	3.9	4.0		24.0
26.0	4.0	3.5	2.8	2.2	3.7	3.1	2.4	3.4	2.7	3.1	3.2		26.0
28.0	3.3	2.8	2.1	1.5	3.0	2.4	1.7	2.7	2.0	2.4	2.5		28.0
30.0	2.8	2.3	1.6	1.0	2.5	1.9	1.2	2.2	1.5	1.9	2.0		30.0
32.0	2.3	1.8	1.1		2.0	1.4		1.7	1.0	1.4	1.5		32.0
34.0								1.3		1.0	1.1		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 anchor hook											Hook	
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I
	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 61 Rated capacity chart

Unit: ton

Outriggers intermediately extended, 13 t counterweight, over side or rear working area													
Working radius (m)	Boom length (m)											Working radius (m)	
	12.7★	17.0	17.0	17.0	17.0★		21.3	21.3	21.3	21.3	21.3★		
3.0	80.0	46.0	75.0	75.0	75.0		33.5	50.0	68.0	68.0	68.0	3.0	
3.5	78.0	43.0	74.0	74.0	74.0		31.5	47.5	67.0	68.0	68.0	3.5	
4.0	76.0	41.0	73.0	73.0	73.0		29.5	45.5	65.0	67.0	67.0	4.0	
4.5	60.0	39.0	68.0	68.0	68.0		28.0	43.5	63.0	66.0	65.0	4.5	
5.0	55.0	37.0	60.0	59.5	59.0		26.3	41.5	58.0	57.0	55.0	5.0	
6.0	40.0	34.0	42.5	42.0	41.5		23.8	38.0	42.0	41.0	39.0	6.0	
7.0	29.0	31.0	31.0	30.5	30.0		21.5	33.0	32.0	31.0	29.0	7.0	
8.0	22.0	24.5	24.0	23.5	23.0		19.8	26.0	25.5	24.5	22.5	8.0	
9.0	18.0	20.0	19.5	19.0	18.5		18.2	21.0	20.5	19.5	17.5	9.0	
10.0		16.5	16.0	15.5	15.0		16.9	17.5	17.0	16.0	14.0	10.0	
11.0		14.0	13.5	13.0	12.5		15.5	14.5	14.0	13.0	11.0	11.0	
12.0		12.0	11.5	11.0	10.5		13.4	13.0	12.3	11.5	10.0	12.0	
14.0							10.2	9.8	9.1	8.3	7.0	14.0	
16.0							7.9	7.5	6.8	6.0	4.7	16.0	
Reeving	12											Reeving	
Hook	60t anchor hook											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

Table 62 Rated capacity chart (with boom only)

Unit: ton

Outriggers intermediately extended, 13 t counterweight, over side or rear working area														
Working radius (m)	Boom length (m)											Working radius (m)		
	25.6	25.6	25.6	25.6	25.6★		29.9	29.9	29.9	29.9	29.9★			
3.0													3.0	
3.5													3.5	
4.0	32.0	34.5	49.0	60.0	60.0								4.0	
4.5	30.5	32.0	46.5	56.0	56.0								4.5	
5.0	29.0	30.0	44.0	48.0	53.0		26.5	32.5	33.0	53.0	53.0		5.0	
6.0	26.5	27.0	41.5	40.5	39.0		24.0	29.0	29.5	41.0	39.0		6.0	
7.0	24.0	24.5	32.0	31.0	29.5		21.5	26.5	26.5	32.5	30.5		7.0	
8.0	22.4	22.4	26.0	25.0	23.5		19.5	24.0	24.0	26.5	24.5		8.0	
9.0	20.5	20.5	21.5	20.5	19.0		18.0	22.0	22.0	21.5	19.5		9.0	
10.0	18.5	18.5	18.0	17.0	15.5		16.5	18.5	18.2	18.0	16.0		10.0	
11.0	16.0	15.7	15.5	14.0	12.7		15.4	15.5	15.2	15.0	13.5		11.0	
12.0	13.5	13.2	12.9	12.1	10.7		14.3	13.5	13.2	13.0	11.5		12.0	
14.0	10.5	10.2	9.9	9.1	7.7		10.9	10.3	10.0	9.8	8.5		14.0	
16.0	8.3	8.0	7.7	6.9	5.5		8.5	8.0	7.7	7.5	6.2		16.0	
18.0	6.6	6.3	6.0	5.2	3.8		7.0	6.5	6.2	6.0	4.7		18.0	
20.0	5.4	5.1	4.8	4.0	2.7		5.7	5.2	4.9	4.7	3.4		20.0	
22.0							4.7	4.2	3.9	3.7	2.4		22.0	
24.0							3.8	3.3	3.0	2.8	1.5		24.0	
Reeving	10						9					Reeving		
Hook	60t anchor hook											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 63 Rated capacity chart (with boom only)

Unit: ton

Outriggers intermediately extended, 13 t counterweight, over side or rear working area														
Working radius (m)	Boom length (m)											Working radius (m)		
	34.2	34.2	34.2	34.2	34.2★		38.5	38.5	38.5	38.5	38.5★			
3.0													3.0	
3.5													3.5	
4.0													4.0	
4.5													4.5	
5.0													5.0	
6.0	26.5	26.5	32.0	40.0	39.0								6.0	
7.0	23.5	23.5	29.0	31.5	30.0		22.0	26.0	31.5	30.0	30.0		7.0	
8.0	21.5	21.5	26.0	25.5	25.0		20.0	24.0	25.5	24.5	24.0		8.0	
9.0	20.0	20.0	21.5	21.0	20.5		18.5	22.0	21.5	20.5	20.0		9.0	
10.0	18.0	18.0	18.0	17.5	17.0		17.0	18.5	18.0	17.0	16.5		10.0	
11.0	16.5	16.0	15.5	15.0	14.5		15.5	15.5	15.3	14.5	14.0		11.0	
12.0	14.2	13.8	13.2	12.9	12.3		14.2	13.6	13.2	12.4	11.9		12.0	
14.0	11.0	10.6	10.0	9.7	9.1		11.0	10.4	10.0	9.2	8.5		14.0	
16.0	8.7	8.3	7.8	7.6	7.0		8.7	8.1	7.7	7.1	6.3		16.0	
18.0	7.0	6.6	6.1	5.9	5.3		7.0	6.4	6.0	5.4	5.0		18.0	
20.0	5.7	5.3	4.8	4.6	4.0		5.7	5.1	4.7	4.1	3.7		20.0	
22.0	4.7	4.3	3.8	3.6	3.2		4.7	4.1	3.7	3.1	2.7		22.0	
24.0	3.9	3.5	3.0	2.8	2.4		3.8	3.2	2.8	2.2	1.8		24.0	
26.0	3.2	2.8	2.3	2.1	1.7		3.2	2.6	2.2	1.6	1.2		26.0	
28.0	2.5	2.1	1.6	1.4	1.0		2.6	2.0	1.6	1.0			28.0	
30.0							2.1	1.5	1.1				30.0	
32.0													32.0	
Reeving	7							6						Reeving
Hook	60t anchor hook												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 64 Rated capacity chart (with boom only)

Unit: ton

Outriggers intermediately extended, 13 t counterweight, over side or rear working area													
Working radius (m)	Boom length (m)											Working radius (m)	
	42.8	42.8	42.8	42.8★	47.1	47.1	47.1★	51.4	51.4★	55.7★	60★		
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	19.5	21.0	20.0	19.0								9.0	
10.0	18.5	18.0	17.5	16.5	18.5	17.5	16.5					10.0	
11.0	15.8	15.2	14.5	14.0	16.0	15.0	14.0	15.0	14.0			11.0	
12.0	13.8	13.2	12.5	11.9	14.0	13.0	12.0	13.0	12.5	13.0		12.0	
14.0	10.5	10.0	9.3	8.7	10.5	9.8	9.0	10.1	9.3	10.0	10.0	14.0	
16.0	8.4	7.9	7.2	6.6	8.3	7.6	6.8	7.9	7.1	7.7	7.8	16.0	
18.0	6.8	6.3	5.6	5.0	6.7	6.0	5.2	6.3	5.5	6.0	6.1	18.0	
20.0	5.5	5.0	4.3	3.7	5.4	4.7	3.9	5.0	4.2	4.7	4.8	20.0	
22.0	4.5	4.0	3.3	2.7	4.4	3.7	2.9	4.0	3.2	3.7	3.8	22.0	
24.0	3.6	3.1	2.4	1.8	3.5	2.8	2.0	3.1	2.3	2.8	2.9	24.0	
26.0	3.0	2.5	1.8	1.2	2.9	2.2	1.4	2.5	1.7	2.1	2.2	26.0	
28.0	2.3	1.8	1.1		2.2	1.5		1.8	1.0	1.5	1.6	28.0	
30.0								1.4		1.1	1.2	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 anchor hook											Hook	
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I
	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 65 Rated capacity chart

Unit: ton

Outriggers intermediately extended, 8t counterweight, over side or rear working area													
Working radius (m)	Boom length (m)											Working radius (m)	
	12.7★	17.0	17.0	17.0	17.0★		21.3	21.3	21.3	21.3	21.3★		
3.0	80.0	46.0	75.0	75.0	75.0		33.5	50.0	68.0	68.0	68.0	3.0	
3.5	78.0	43.0	74.0	74.0	74.0		31.5	47.5	67.0	68.0	68.0	3.5	
4.0	76.0	41.0	73.0	73.0	73.0		29.5	45.5	65.0	67.0	67.0	4.0	
4.5	60.0	39.0	61.0	61.0	61.0		28.0	43.5	60.0	59.0	57.0	4.5	
5.0	51.0	37.0	49.0	49.0	49.0		26.3	40.0	49.0	48.0	46.0	5.0	
6.0	34.0	34.0	35.5	35.0	34.5		23.8	36.5	35.5	34.5	32.5	6.0	
7.0	24.5	26.5	26.0	25.5	25.0		21.5	28.0	27.0	26.0	24.0	7.0	
8.0	18.5	20.5	20.0	19.5	19.0		19.8	22.0	21.0	20.0	18.0	8.0	
9.0	14.5	16.5	16.0	15.5	15.0		18.2	17.5	16.5	16.0	14.5	9.0	
10.0		13.5	13.0	12.5	12.0		15.0	14.3	13.6	12.8	11.5	10.0	
11.0		11.5	11.0	10.5	10.0		12.5	12.1	11.4	10.6	9.3	11.0	
12.0		9.5	9.0	8.5	8.0		10.8	10.4	9.7	8.9	7.6	12.0	
14.0							8.1	7.7	7.0	6.2	4.9	14.0	
16.0							6.2	5.8	5.1	4.3	3.0	16.0	
Reeving	12											Reeving	
Hook	60t anchor hook											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

Table 66 Rated capacity chart (with boom only)

Unit: ton

Outriggers intermediately extended, 8t counterweight, over side or rear working area														
Working radius (m)	Boom length (m)											Working radius (m)		
	25.6	25.6	25.6	25.6	25.6★		29.9	29.9	29.9	29.9	29.9★			
3.0													3.0	
3.5													3.5	
4.0	32.0	34.5	49.0	60.0	60.0								4.0	
4.5	30.5	32.0	46.5	56.0	56.0								4.5	
5.0	29.0	30.0	44.0	48.0	46.0		26.5	32.5	33.0	45.0	45.0		5.0	
6.0	26.5	27.0	36.0	35.0	33.0		24.0	29.0	29.5	33.0	33.0		6.0	
7.0	24.0	24.5	28.0	27.0	25.0		21.5	26.5	26.5	27.0	25.5		7.0	
8.0	22.4	22.4	22.0	21.0	19.0		19.5	22.5	22.0	21.5	20.0		8.0	
9.0	18.5	18.0	17.5	16.5	15.3		17.5	18.5	18.0	17.5	16.0		9.0	
10.0	15.1	14.8	14.5	13.6	12.3		16.0	15.5	15.0	14.5	13.0		10.0	
11.0	12.8	12.5	12.2	11.3	10.0		13.4	12.9	12.7	12.4	10.9		11.0	
12.0	11.0	9.7	10.4	9.5	8.2		11.5	11.0	10.8	10.5	9.0		12.0	
14.0	8.5	8.2	7.9	7.0	5.7		8.8	8.3	8.1	7.8	6.4		14.0	
16.0	6.6	6.3	6.0	5.1	3.8		6.9	6.4	6.2	5.9	4.5		16.0	
18.0	5.2	4.9	4.6	3.7	2.4		5.5	5.0	4.8	4.5	3.1		18.0	
20.0	4.1	3.8	3.5	2.6	1.3		4.4	3.9	3.7	3.4	2.0		20.0	
22.0							3.5	3.0	2.8	2.5	1.1		22.0	
24.0							2.8	2.3	2.1	1.8			24.0	
Reeving	10							9					Reeving	
Hook	60t anchor hook											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 67 Rated capacity chart (with boom only)

Unit: ton

Outriggers intermediately extended, 8t counterweight, over side or rear working area														
Working radius (m)	Boom length (m)											Working radius (m)		
	34.2	34.2	34.2	34.2	34.2★		38.5	38.5	38.5	38.5	38.5★			
3.0													3.0	
3.5													3.5	
4.0													4.0	
4.5													4.5	
5.0													5.0	
6.0	26.5	26.5	32.0	34.0	33.5								6.0	
7.0	23.5	23.5	27.0	26.5	26.0		22.0	26.0	26.0	25.0	24.5		7.0	
8.0	21.0	21.5	22.0	21.5	21.0		20.0	21.5	21.0	20.5	20.0		8.0	
9.0	19.0	18.5	18.0	17.5	17.0		18.0	18.0	17.5	17.0	16.0		9.0	
10.0	16.0	15.5	15.0	14.5	14.0		15.5	15.0	14.5	14.0	13.5		10.0	
11.0	13.4	13.0	12.5	12.2	11.7		13.5	13.0	12.5	11.7	11.0		11.0	
12.0	11.5	11.1	10.6	10.3	9.8		11.4	10.7	10.4	9.7	9.3		12.0	
14.0	8.9	8.5	8.0	7.7	7.2		8.8	8.1	7.8	7.1	6.7		14.0	
16.0	6.9	6.5	6.0	5.7	5.2		6.9	6.3	5.9	5.2	4.8		16.0	
18.0	5.5	5.1	4.6	4.3	3.8		5.5	4.9	4.5	3.8	3.4		18.0	
20.0	4.4	4.0	3.5	3.2	2.7		4.4	3.8	3.4	2.7	2.3		20.0	
22.0	3.5	3.1	2.6	2.3	1.8		3.5	2.9	2.5	1.8	1.4		22.0	
24.0	2.8	2.4	1.9	1.6	1.1		2.8	2.2	1.8	1.1			24.0	
26.0	2.2	1.8	1.3	1.0			2.2	1.6	1.2				26.0	
28.0													28.0	
30.0													30.0	
32.0													32.0	
Reeving	7							6						Reeving
Hook	60t anchor hook												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 68 Rated capacity chart (with boom only)

Unit: ton

Outriggers intermediately extended, 8t counterweight, over side or rear working area													
Working radius (m)	Boom length (m)											Working radius (m)	
	42.8	42.8	42.8	42.8★	47.1	47.1	47.1★	51.4	51.4★	55.7★	60★		
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	18.0	17.5	16.5	16.0								9.0	
10.0	15.5	15.0	14.0	13.5	15.0	14.0	13.5					10.0	
11.0	13.5	12.5	11.5	11.0	13.0	12.0	11.5	12.5	11.5			11.0	
12.0	11.5	11.0	10.0	9.4	11.4	10.6	9.8	11.0	10.0	10.5		12.0	
14.0	8.6	8.1	7.3	6.7	8.4	7.6	6.9	8.0	7.3	7.9	8.0	14.0	
16.0	6.7	6.2	5.4	4.8	6.5	5.7	4.9	6.0	5.3	5.9	6.0	16.0	
18.0	5.3	4.8	4.0	3.4	5.1	4.3	3.5	4.5	3.8	4.4	4.5	18.0	
20.0	4.2	3.7	2.9	2.3	4.0	3.2	2.6	3.6	2.9	3.3	3.4	20.0	
22.0	3.3	2.8	2.0	1.4	3.1	2.3	1.7	2.7	2.0	2.4	2.5	22.0	
24.0	2.6	2.1	1.3		2.4	1.6	1.0	2.0	1.3	1.7	1.8	24.0	
26.0	2.0	1.5			1.8	1.0		1.4		1.1	1.2	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 anchor hook											Hook	
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I
	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 69 Rated capacity chart

Unit: ton

Outriggers intermediately extended, 2t counterweight, over side or rear working area													
Working radius (m)	Boom length (m)											Working radius (m)	
	12.7★	17.0	17.0	17.0	17.0★		21.3	21.3	21.3	21.3	21.3★		
3.0	80.0	46.0	75.0	75.0	75.0		33.5	50.0	68.0	68.0	68.0	3.0	
3.5	78.0	43.0	74.0	74.0	74.0		31.5	47.5	67.0	68.0	68.0	3.5	
4.0	60.0	41.0	62.0	62.0	62.0		29.5	45.5	60.0	60.0	57.0	4.0	
4.5	45.0	39.0	48.0	48.0	48.0		28.0	43.5	48.0	46.5	44.5	4.5	
5.0	35.0	37.0	39.0	39.0	38.0		26.3	39.0	39.0	37.5	35.5	5.0	
6.0	25.0	28.0	27.5	27.0	26.0		23.8	29.0	28.0	26.5	24.5	6.0	
7.0	18.0	20.5	20.0	19.5	18.5		21.0	21.5	20.5	19.0	17.0	7.0	
8.0	13.0	15.5	15.0	14.5	13.5		17.0	16.5	15.5	14.8	13.3	8.0	
9.0	10.0	12.5	12.0	11.5	10.5		13.4	13.0	12.3	11.4	10.1	9.0	
10.0		10.0	9.5	9.0	8.5		11.1	10.7	10.0	9.1	7.8	10.0	
11.0		8.1	7.6	7.1	6.5		9.3	8.9	8.2	7.3	6.0	11.0	
12.0		6.7	6.2	5.7	5.1		7.8	7.4	6.7	5.8	4.5	12.0	
14.0							5.6	5.2	4.5	3.6	2.3	14.0	
16.0							4.1	3.7	3.0	2.1		16.0	
Reeving	12											Reeving	
Hook	60t anchor hook											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

Table 70 Rated capacity chart (with boom only)

Unit: ton

Outriggers intermediately extended, 2t counterweight, over side or rear working area														
Working radius (m)	Boom length (m)											Working radius (m)		
	25.6	25.6	25.6	25.6	25.6★		29.9	29.9	29.9	29.9	29.9★			
3.0													3.0	
3.5													3.5	
4.0	32.0	34.5	49.0	55.0	55.0								4.0	
4.5	30.5	32.0	46.5	46.0	43.0								4.5	
5.0	29.0	30.0	38.5	37.0	35.5		26.5	32.5	33.0	37.0	35.0		5.0	
6.0	26.0	27.0	28.0	26.5	25.0		24.0	28.0	27.5	27.0	25.0		6.0	
7.0	22.5	22.0	21.5	20.0	18.5		21.0	22.0	21.5	21.0	19.0		7.0	
8.0	17.8	17.5	17.0	15.5	14.0		18.0	17.5	17.0	16.5	15.0		8.0	
9.0	14.3	14.0	13.5	12.5	10.9		14.4	14.0	13.7	13.4	11.7		9.0	
10.0	11.7	11.4	11.1	10.0	8.5		12.0	11.6	11.3	11.0	9.3		10.0	
11.0	9.5	9.3	9.0	8.1	6.7		10.0	9.6	9.3	9.0	7.3		11.0	
12.0	8.0	7.8	7.5	6.6	5.2		8.3	7.9	7.6	7.3	6.0		12.0	
14.0	5.9	5.7	5.4	4.5	3.1		6.3	5.9	5.6	5.3	4.0		14.0	
16.0	4.4	4.2	3.9	3.0	1.6		4.7	4.3	4.0	3.7	2.4		16.0	
18.0	3.3	3.1	2.8	1.9			3.6	3.2	2.9	2.6	1.3		18.0	
20.0	2.4	2.2	1.9	1.0			2.7	2.3	2.0	1.7			20.0	
22.0							2.0	1.6	1.3	1.0			22.0	
24.0													24.0	
Reeving	10							9					Reeving	
Hook	60t anchor hook											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 71 Rated capacity chart (with boom only)

Unit: ton

Outriggers intermediately extended, 2t counterweight, over side or rear working area														
Working radius (m)	Boom length (m)											Working radius (m)		
	34.2	34.2	34.2	34.2	34.2★		38.5	38.5	38.5	38.5	38.5★			
3.0													3.0	
3.5													3.5	
4.0													4.0	
4.5													4.5	
5.0													5.0	
6.0	25.5	26.0	27.0	26.5	26.0								6.0	
7.0	22.0	21.5	21.0	20.0	19.5		21.0	21.0	20.0	19.0	18.5		7.0	
8.0	18.0	17.0	16.5	16.0	15.5		17.5	17.0	16.0	15.0	14.5		8.0	
9.0	14.5	14.0	13.5	13.0	12.5		14.5	14.0	13.0	12.0	11.5		9.0	
10.0	12.0	11.6	11.1	10.8	10.0		12.0	11.5	11.0	10.0	9.5		10.0	
11.0	10.1	9.7	9.2	8.9	8.4		10.0	9.5	9.0	8.0	7.9		11.0	
12.0	8.6	8.2	7.7	7.4	6.9		8.5	8.0	7.5	6.8	6.4		12.0	
14.0	6.4	6.0	5.5	5.2	4.7		6.3	5.8	5.3	4.6	4.2		14.0	
16.0	4.8	4.4	3.9	3.6	3.1		4.7	4.2	3.7	3.0	2.6		16.0	
18.0	3.6	3.2	2.7	2.4	1.9		3.6	3.1	2.6	1.9	1.5		18.0	
20.0	2.7	2.3	1.8	1.5	1.0		2.7	2.2	1.7	1.0			20.0	
22.0	2.0	1.6	1.1				2.0	1.5	1.0				22.0	
24.0	1.4	1.0											24.0	
26.0													26.0	
28.0													28.0	
30.0													30.0	
32.0													32.0	
Reeving	7						6					Reeving		
Hook	60t anchor hook											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 72 Rated capacity chart (with boom only)

Unit: ton

Outriggers intermediately extended, 2t counterweight, over side or rear working area													
Working radius (m)	Boom length (m)											Working radius (m)	
	42.8	42.8	42.8	42.8★	47.1	47.1	47.1★	51.4	51.4★	55.7★	60★		
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	14.0	13.5	12.5	11.5									9.0
10.0	12.0	11.2	10.4	9.6	11.5	10.5	9.5						10.0
11.0	9.9	9.3	8.5	7.9	9.7	8.9	8.2	9.0	8.5				11.0
12.0	8.4	7.8	7.0	6.4	8.2	7.4	6.7	7.8	7.0	7.5			12.0
14.0	6.2	5.6	4.8	4.2	6.0	5.2	4.5	5.5	4.7	5.3	5.4		14.0
16.0	4.6	4.0	3.2	2.6	4.4	3.6	2.9	3.9	3.1	3.7	3.8		16.0
18.0	3.5	2.9	2.1	1.5	3.3	2.5	1.8	2.8	2.0	2.5	2.6		18.0
20.0	2.6	2.0	1.2		2.4	1.6	1.0	2.0	1.2	1.6	1.7		20.0
22.0					1.8	1.0		1.3		1.0	1.0		22.0
24.0													24.0
26.0													26.0
28.0													28.0
30.0													30.0
32.0													32.0
34.0													34.0
36.0													36.0
38.0													38.0
40.0													40.0
42.0													42.0
44.0													44.0
46.0													46.0
48.0													48.0
50.0													50.0
52.0													52.0
Reeving	5				4				3				Reeving
Hook	60t anchor hook											Hook	
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I
	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 73 Rated capacity chart with jib

Unit: ton

Boom angle (°)	Boom + jib (m)											
	Outriggers fully extended, over side or rear working area, 27t counterweight											
	55.7+10.4			55.7+17.5			60+10.4			60+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	5.7	5.0	4.0	3.2	2.2	1.8
76	6.2	5.2	4.5	3.0	2.2	1.7	5.4	4.8	4.0	3.0	2.1	1.7
74	5.9	5.1	4.5	2.8	2.0	1.7	5.1	4.6	4.0	2.8	2.0	1.7
72	5.6	5.0	4.5	2.6	1.9	1.7	4.8	4.2	4.0	2.6	1.9	1.6
70	5.3	4.8	4.4	2.4	1.9	1.6	4.5	4.0	3.8	2.4	1.8	1.6
68	5.0	4.5	4.2	2.3	1.8	1.6	4.2	3.8	3.6	2.2	1.8	1.6
66	4.7	4.2	4.0	2.2	1.8	1.6	3.9	3.6	3.4	2.0	1.7	1.5
64	4.4	4.0	3.8	2.1	1.7	1.5	3.6	3.4	3.2	1.9	1.7	1.5
62	4.2	3.8	3.6	2.0	1.7	1.5	3.4	3.2	3.0	1.8	1.6	1.4
60	4.0	3.6	3.4	1.9	1.6	1.5	3.3	3.1	2.9	1.7	1.6	1.4
58	3.8	3.4	3.2	1.8	1.6	1.4	3.1	2.9	2.8	1.7	1.5	1.4
56	3.4	3.2	3.0	1.8	1.5	1.4	2.7	2.6	2.5	1.6	1.4	1.3
54	3.0	2.9	2.8	1.7	1.5	1.4	2.4	2.3	2.2	1.6	1.4	1.3
52	2.7	2.6	2.5	1.7	1.4	1.3	2.1	2.0	1.9	1.5	1.4	1.3
50	2.4	2.3	2.2	1.6	1.4	1.3	1.8	1.7	1.6	1.5	1.3	1.2
48	2.1	2.0	1.9	1.5	1.4	1.3	1.6	1.5	1.4	1.4	1.3	1.2
46	1.9	1.8	1.7	1.5	1.3	1.2	1.4	1.3	1.3	1.2	1.1	1.0
44	1.7	1.6	1.5	1.4	1.3	1.2	1.2	1.1	1.1	1.0		
42	1.5	1.4	1.3	1.2	1.2	1.1	1.0					
40	1.3	1.2	1.1	1.1	1.0	1.0						
38	1.1	1.0										
Reeving	1											
Hook	6.5t											

Table 74 Rated capacity chart with jib

Unit: ton

Boom angle (°)	Boom + jib (m)											
	Outriggers fully extended, over side or rear working area, 22 t counterweight											
	55.7+10.4			55.7+17.5			60+10.4			60+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	5.7	5.0	4.0	3.2	2.2	1.8
76	6.2	5.2	4.5	3.0	2.2	1.7	5.4	4.8	4.0	3.0	2.1	1.7
74	5.9	5.1	4.5	2.8	2.0	1.7	5.1	4.6	4.0	2.8	2.0	1.7
72	5.6	5.0	4.5	2.6	1.9	1.7	4.8	4.2	4.0	2.6	1.9	1.6
70	5.3	4.8	4.4	2.4	1.9	1.6	4.5	4.0	3.8	2.4	1.8	1.6
68	5.0	4.5	4.2	2.3	1.8	1.6	4.2	3.8	3.6	2.2	1.8	1.6
66	4.7	4.2	4.0	2.2	1.8	1.6	3.9	3.6	3.4	2.0	1.7	1.5
64	4.4	4.0	3.8	2.1	1.7	1.5	3.6	3.4	3.2	1.9	1.7	1.5
62	4.0	3.8	3.6	2.0	1.7	1.5	3.3	3.1	3.0	1.8	1.6	1.4
60	3.6	3.4	3.3	1.9	1.6	1.5	2.9	2.7	2.6	1.7	1.6	1.4
58	3.2	3.0	2.9	1.8	1.6	1.4	2.5	2.4	2.3	1.7	1.5	1.4
56	2.8	2.6	2.5	1.8	1.5	1.4	2.1	2.0	1.9	1.6	1.4	1.3
54	2.4	2.3	2.2	1.7	1.5	1.4	1.8	1.7	1.6	1.6	1.4	1.3
52	2.1	2.0	1.9	1.7	1.4	1.3	1.5	1.4	1.3	1.3	1.2	1.2
50	1.8	1.7	1.6	1.6	1.4	1.3	1.3	1.2	1.1	1.1	1.0	1.0
48	1.6	1.5	1.4	1.3	1.2	1.1	1.1	1.0	1.0			
46	1.4	1.3	1.2	1.1	1.0	1.0						
44	1.2	1.1	1.0	1.0								
42	1.0											
Reeving	1											
Hook	6.5t											

Table 75 Rated capacity chart with jib

Unit: ton

Boom angle (°)	Boom + jib (m)											
	Outriggers fully extended, over side or rear working area, 18 t counterweight											
	55.7+10.4			55.7+17.5			60+10.4			60+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	5.7	5.0	4.0	3.2	2.2	1.8
76	6.2	5.2	4.5	3.0	2.2	1.7	5.4	4.8	4.0	3.0	2.1	1.7
74	5.9	5.1	4.5	2.8	2.0	1.7	5.1	4.6	4.0	2.8	2.0	1.7
72	5.6	5.0	4.5	2.6	1.9	1.7	4.8	4.2	4.0	2.6	1.9	1.6
70	5.3	4.8	4.4	2.4	1.9	1.6	4.5	4.0	3.8	2.4	1.8	1.6
68	5.0	4.5	4.2	2.3	1.8	1.6	4.2	3.8	3.6	2.2	1.8	1.6
66	4.5	4.2	4.0	2.2	1.8	1.6	3.9	3.6	3.4	2.0	1.7	1.5
64	4.0	3.7	3.6	2.1	1.7	1.5	3.2	3.1	2.9	1.9	1.7	1.5
62	3.5	3.2	3.1	2.0	1.7	1.5	2.8	2.7	2.5	1.8	1.6	1.4
60	3.0	2.8	2.7	1.9	1.6	1.5	2.4	2.3	2.1	1.7	1.6	1.4
58	2.5	2.4	2.3	1.8	1.6	1.4	2.0	1.9	1.8	1.7	1.5	1.4
56	2.2	2.1	2.0	1.8	1.5	1.4	1.7	1.6	1.5	1.4	1.3	1.3
54	1.9	1.8	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0
52	1.6	1.5	1.4	1.3	1.2	1.1	1.1	1.0				
50	1.3	1.2	1.1	1.1	1.0							
48	1.1	1.0										
Reeving	1											
Hook	6.5t											

Table 76 Rated capacity chart with jib

Unit: ton

Boom angle (°)	Boom + jib (m)											
	Outriggers fully extended, over side or rear working area, 13 t counterweight											
	55.7+10.4			55.7+17.5			60+10.4			60+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	5.7	5.0	4.0	3.2	2.2	1.8
76	6.2	5.2	4.5	3.0	2.2	1.7	5.4	4.8	4.0	3.0	2.1	1.7
74	5.9	5.1	4.4	2.8	2.0	1.7	5.1	4.6	3.9	2.8	2.0	1.7
72	5.6	5.0	4.3	2.6	1.9	1.7	4.8	4.2	3.8	2.6	1.9	1.6
70	5.3	4.8	4.2	2.4	1.9	1.6	4.5	4.0	3.7	2.4	1.8	1.6
68	4.6	4.2	3.9	2.3	1.8	1.6	3.7	3.4	3.2	2.2	1.8	1.6
66	3.9	3.5	3.3	2.2	1.8	1.6	3.1	2.9	2.7	2.0	1.7	1.5
64	3.2	3.0	2.8	2.1	1.7	1.5	2.6	2.4	2.2	1.9	1.7	1.5
62	2.7	2.5	2.4	2.0	1.7	1.5	2.1	1.9	1.8	1.8	1.6	1.4
60	2.3	2.1	2.0	1.9	1.6	1.5	1.7	1.6	1.4	1.4	1.3	1.2
58	1.9	1.7	1.6	1.6	1.4	1.4	1.3	1.2	1.1	1.1	1.0	0.9
56	1.5	1.4	1.3	1.3	1.2	1.1	1.0					
54	1.2	1.1	1.0	1.0								
Reeving	1											
Hook	6.5t											

Table 77 Rated capacity chart with jib

Unit: ton

Boom angle (°)	Boom + jib (m)											
	Outriggers fully extended, over side or rear working area, 8 t counterweight											
	55.7+10.4			55.7+17.5			60+10.4			60+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	6.3	5.4	4.5	3.2	2.3	1.8	5.6	5.0	4.0	3.2	2.2	1.8
76	6.1	5.1	4.4	3.0	2.2	1.7	5.3	4.7	3.9	3.0	2.1	1.7
74	5.8	5.0	4.3	2.8	2.0	1.7	5.1	4.5	3.8	2.8	2.0	1.7
72	5.3	4.7	4.2	2.6	1.9	1.7	4.3	3.9	3.6	2.6	1.9	1.6
70	4.4	3.9	3.6	2.4	1.9	1.6	3.5	3.2	3.0	2.4	1.8	1.6
68	3.6	3.3	3.0	2.3	1.8	1.6	2.9	2.6	2.4	2.2	1.8	1.6
66	2.9	2.7	2.5	2.2	1.8	1.6	2.3	2.1	1.9	1.9	1.7	1.5
64	2.4	2.2	2.0	2.0	1.7	1.5	1.8	1.6	1.5	1.5	1.3	1.2
62	1.9	1.7	1.6	1.6	1.4	1.3	1.3	1.2	1.1	1.1	1.0	
60	1.5	1.3	1.2	1.2	1.1	1.0	1.0					
58	1.1	1.0										
Reeving	1											
Hook	6.5t											

Table 78 Rated capacity chart with jib

Unit: ton

Boom angle (°)	Boom + jib (m)											
	Outriggers fully extended, over side or rear working area, 2 t counterweight											
	55.7+10.4			55.7+17.5			60+10.4			60+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	6.2	5.3	4.4	3.2	2.3	1.8	5.5	4.8	3.8	3.2	2.2	1.8
76	6.1	5.0	4.3	3.0	2.2	1.7	5.1	4.4	3.6	3.0	2.1	1.7
74	4.9	4.3	3.9	2.8	2.0	1.7	4.0	3.5	3.2	2.8	2.0	1.7
72	3.9	3.4	3.1	2.6	1.9	1.7	3.1	2.7	2.5	2.5	1.9	1.6
70	3.1	2.7	2.5	2.4	1.9	1.6	2.3	2.1	1.9	2.0	1.6	1.4
68	2.3	2.1	1.9	2.0	1.6	1.6	1.7	1.5	1.4	1.4	1.2	1.1
66	1.7	1.6	1.4	1.5	1.2	1.1	1.2	1.0	0.9	1.0		
64	1.2	1.1	1.0	1.0	0.9							
Reeving	1											
Hook	6.5t											

Table 79 Rated capacity chart with extension

Unit: ton

Boom angle (°)	Boom + extension (m)		Boom + extension + jib (m)			
	Outriggers fully extended, over side or rear working area, 27t counterweight					
	55.7+9.5	60+9.5	55.7+9.5+10.4	55.7+9.5+17.5	60+9.5+10.4	60+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	4.8	3.3	1.9	3.0	1.9
66	5.4	4.5	3.0	1.8	2.8	1.8
64	5.1	4.2	2.8	1.7	2.4	1.7
62	4.8	4.0	2.6	1.7	2.2	1.6
60	4.4	3.7	2.4	1.6	2.0	1.5
58	4.0	3.4	2.2	1.5	1.8	1.4
56	3.6	3.0	2.0	1.5	1.6	1.3
54	3.3	2.7	1.8	1.4	1.4	1.1
52	3.0	2.4	1.6	1.3	1.1	
50	2.7	2.1	1.4	1.2		
48	2.5	1.9	1.2	1.0		
46	2.2	1.6				
44	2.0	1.4				
42	1.8	1.2				
40	1.6	1.1				
38	1.4					
Reeving	1					
Hook	6.5t					

Table 80 Rated capacity chart with extension

Unit: ton

Boom angle (°)	Boom + extension (m)		Boom + extension + jib (m)			
	Outriggers fully extended, over side or rear working area, 22 t counterweight					
	55.7+9.5	60+9.5	55.7+9.5+10.4	55.7+9.5+17.5	60+9.5+10.4	60+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	4.8	3.3	1.9	3.0	1.9
66	5.4	4.5	3.0	1.8	2.8	1.8
64	5.1	4.2	2.8	1.7	2.4	1.7
62	4.5	3.7	2.6	1.7	2.1	1.6
60	4.0	3.3	2.3	1.6	1.7	1.5
58	3.5	2.9	2.0	1.5	1.4	1.2
56	3.1	2.5	1.6	1.5	1.1	1.0
54	2.7	2.2	1.3	1.2		
52	2.4	1.9	1.1	1.0		
50	2.1	1.6				
48	1.8	1.3				
46	1.6	1.1				
44	1.4					
42	1.2					
Reeving	1					
Hook	6.5t					

Table 81 Rated capacity chart with extension

Unit: ton

Boom angle (°)	Boom + extension (m)		Boom + extension + jib (m)			
	Outriggers fully extended, over side or rear working area, 18 t counterweight					
	55.7+9.5	60+9.5	55.7+9.5+10.4	55.7+9.5+17.5	60+9.5+10.4	60+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	6.5	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	4.8	3.3	1.9	3.0	1.9
66	5.2	4.2	3.0	1.8	2.5	1.8
64	4.5	3.7	2.7	1.7	2.1	1.7
62	3.9	3.2	2.2	1.7	1.7	1.4
60	3.4	2.7	1.8	1.6	1.3	1.1
58	3.0	2.3	1.5	1.3	1.0	
56	2.6	1.9	1.2	1.0		
54	2.2	1.6				
52	1.8	1.4				
50	1.5	1.1				
48	1.3					
46	1.1					
Reeving	1					
Hook	6.5t					

Table 82 Rated capacity chart with extension

Unit: ton

Boom angle (°)	Boom + extension (m)		Boom + extension + jib (m)			
	Outriggers fully extended, over side or rear working area, 13 t counterweight					
	55.7+9.5	60+9.5	55.7+9.5+10.4	55.7+9.5+17.5	60+9.5+10.4	60+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	6.5	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	3.5	2.0
70	5.8	4.9	3.6	2.0	2.9	1.9
68	5.0	4.1	3.0	1.9	2.4	1.9
66	4.3	3.5	2.5	1.8	1.9	1.6
64	3.6	2.9	2.0	1.7	1.5	1.2
62	3.1	2.4	1.6	1.4	1.1	
60	2.6	2.0	1.2	1.1		
58	2.2	1.6				
56	1.8	1.3				
54	1.5	1.0				
52	1.2					
50	1.0					
48						
46						
44						
42						
40						
38						
Reeving	1					
Hook	6.5t					

Table 83 Rated capacity chart with extension

Unit: ton

Boom angle (°)	Boom + extension (m)		Boom + extension + jib (m)			
	Outriggers fully extended, over side or rear working area, 8 t counterweight					
	55.7+9.5	60+9.5	55.7+9.5+10.4	55.7+9.5+17.5	60+9.5+10.4	60+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	6.3	4.5	2.5	3.8	2.5
76	7.3	6.0	4.3	2.4	3.6	2.3
74	6.8	5.6	4.1	2.2	3.5	2.1
72	5.8	4.8	3.5	2.1	2.8	2.0
70	4.8	3.9	2.8	2.0	2.2	1.8
68	4.0	3.2	2.2	1.9	1.7	1.4
66	3.3	2.6	1.7	1.5	1.2	1.0
64	2.7	2.1	1.3	1.1		
62	2.2	1.6				
60	1.8	1.2				
58	1.4					
56	1.1					
Reeving	1					
Hook	6.5t					

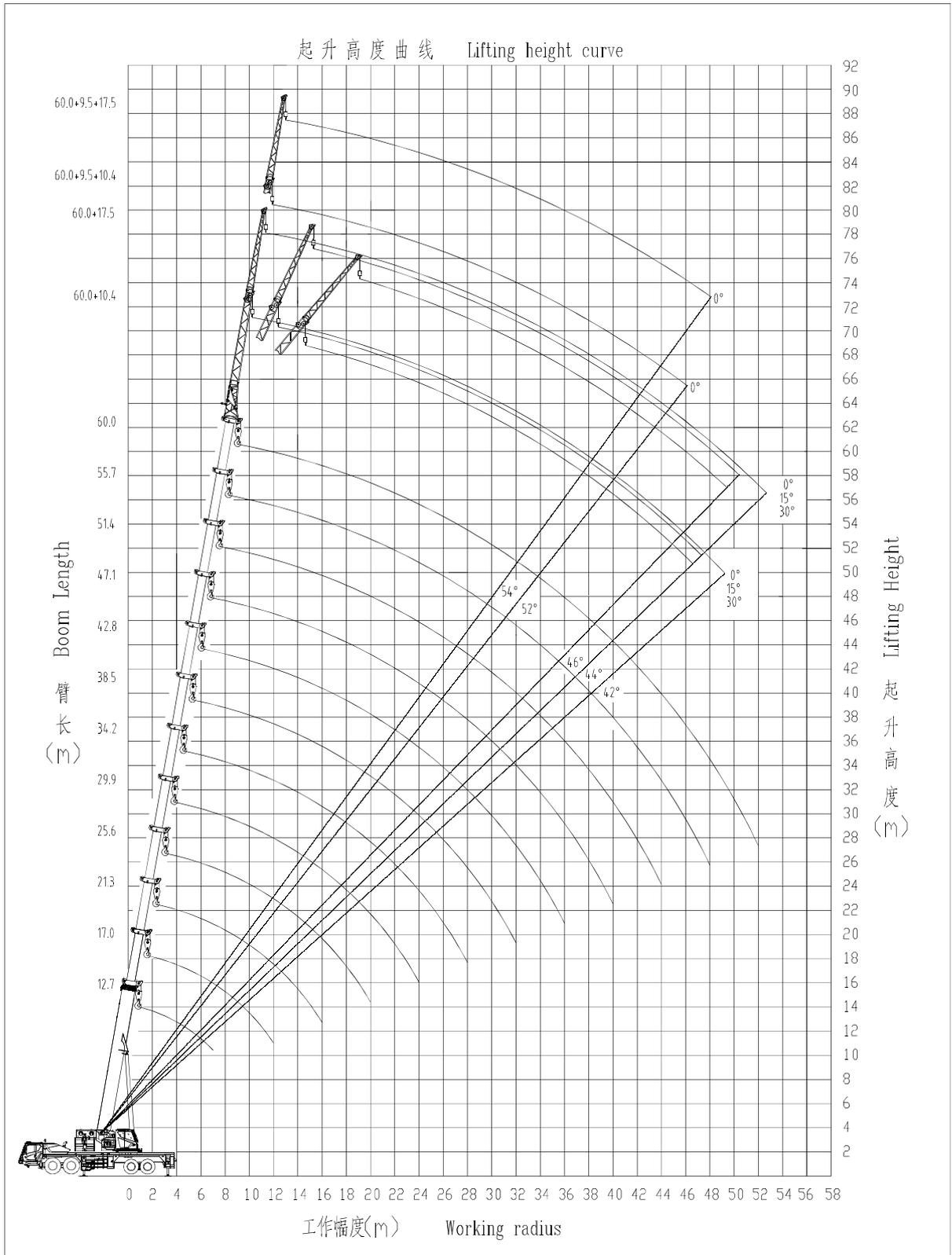
Table 84 Rated capacity chart with extension

Unit: ton

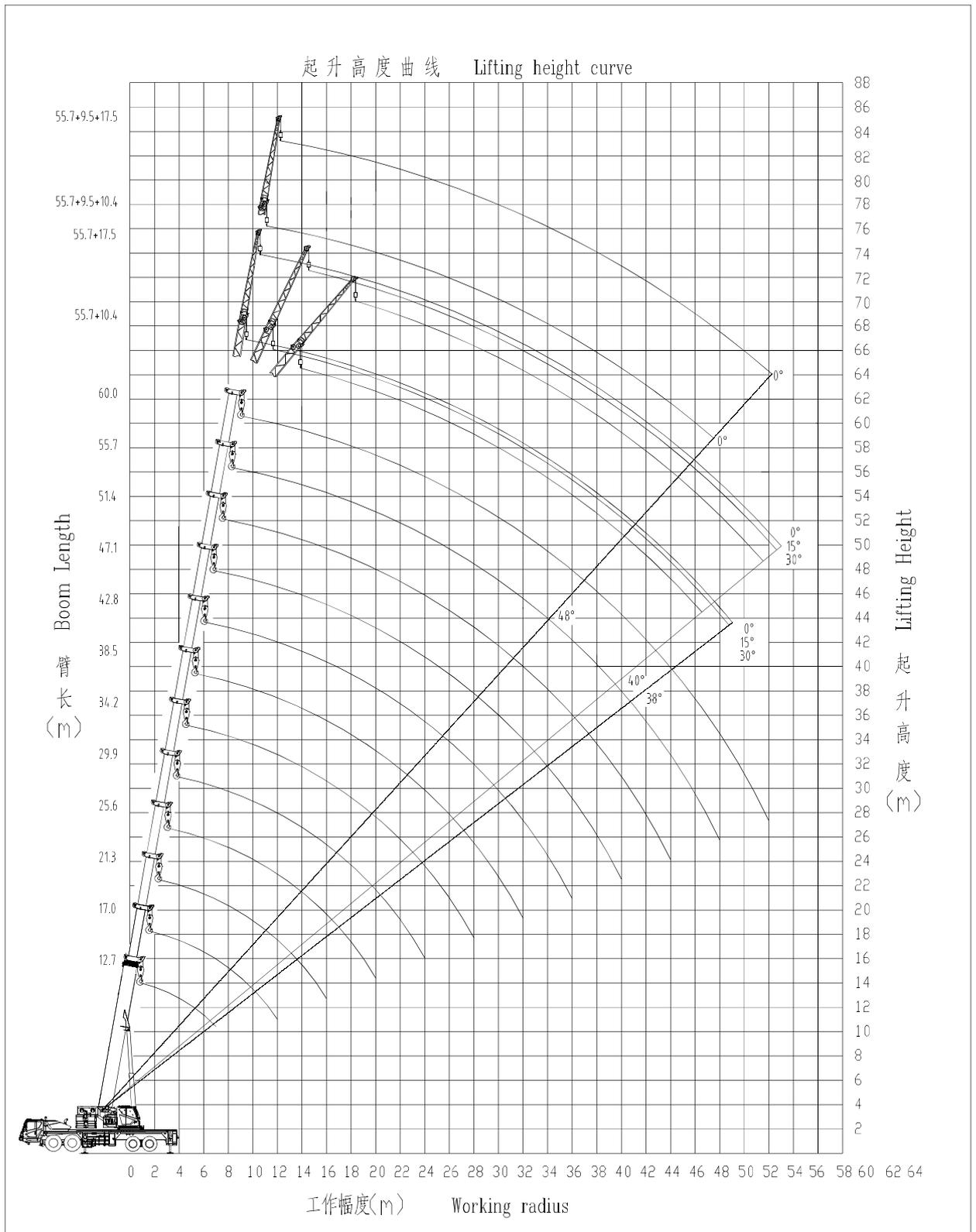
Boom angle (°)	Boom + extension (m)		Boom + extension + jib (m)			
	Outriggers fully extended, over side or rear working area, 2 t counterweight					
	55.7+9.5	60+9.5	55.7+9.5+10.4	55.7+9.5+17.5	60+9.5+10.4	60+9.5+17.5
	0°	0°	0°	0°	0°	0°
80	8.5	6.5	4.5	2.7	4.0	2.5
78	7.8	6.2	4.3	2.5	3.8	2.5
76	6.8	5.6	4.1	2.4	3.4	2.3
74	5.3	4.4	3.2	2.2	2.5	2.1
72	4.3	3.5	2.5	2.0	1.8	1.6
70	3.4	2.7	1.8	1.5	1.3	1.1
68	2.7	2.0	1.3	1.0		
66	2.1	1.5				
64	1.5	1.0				
62	1.1					
Reeving	1					
Hook	6.5t					

2.4 Lifting height chart

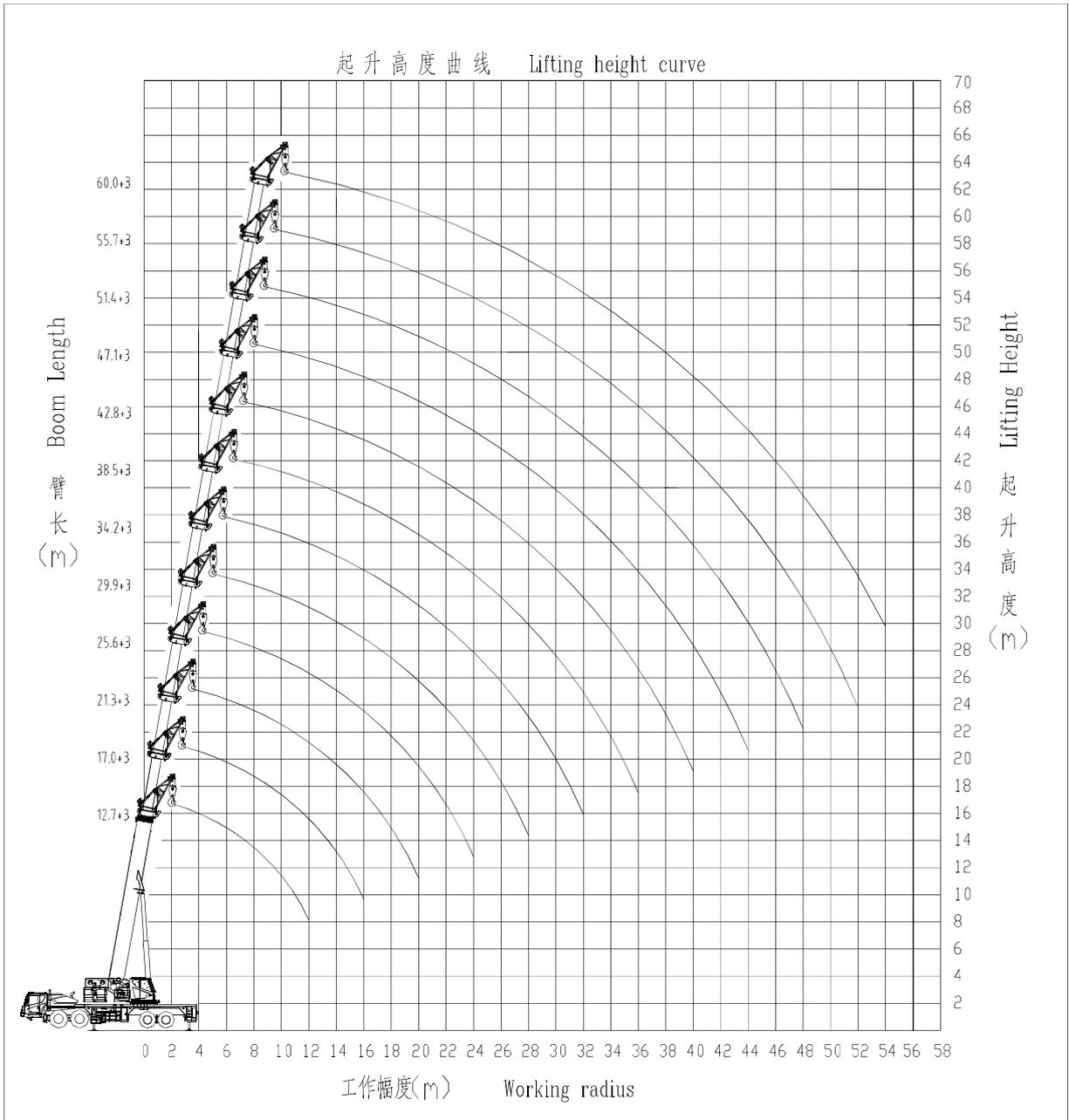
Lifting height chart with fully extended boom, jib and extension



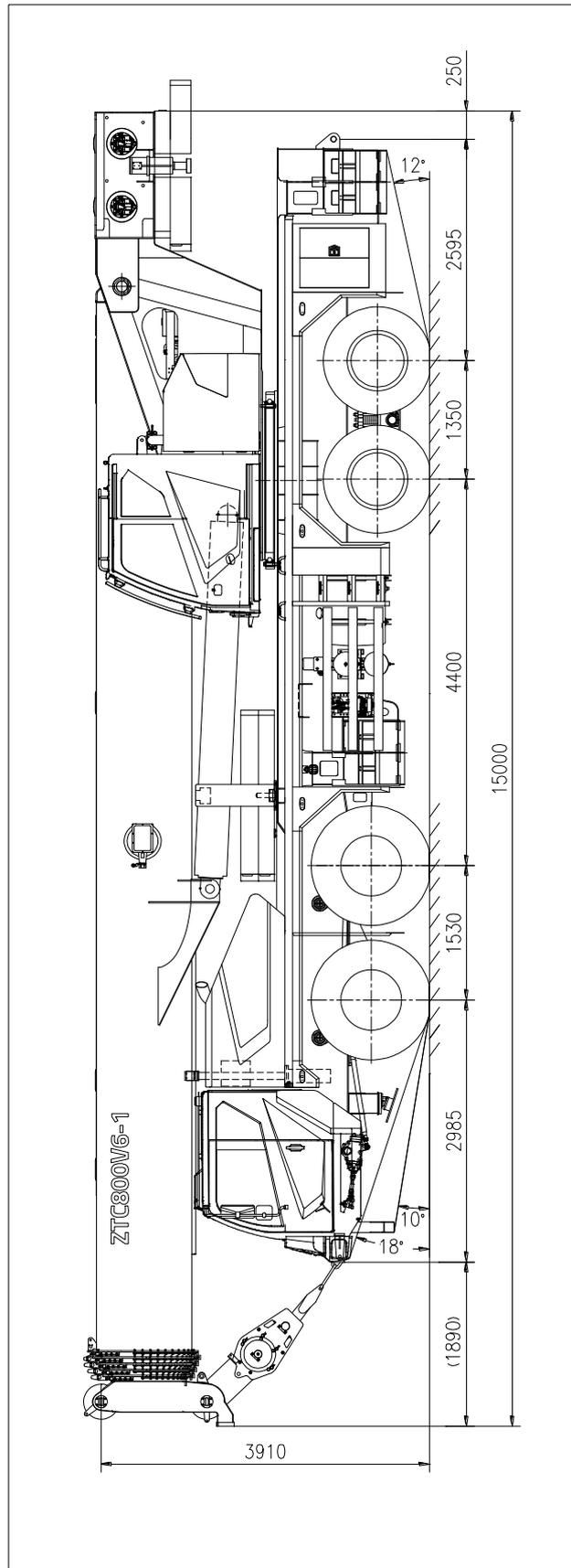
Lifting height chart with boom, jib and extension



Lifting height chart with fully extended boom + tip boom



2.5 Overall view (Unit: Metric mm)



3 Components, superstructure

3.1 Boom and telescoping mechanism

The box-shaped boom consists of 6 oval boom sections made of $\delta_s=960\text{MPa}$ high-strength steel plate, providing the boom with excellent bending-resistance capacity, super load bearing capacity, light deadweight, large lateral stiffness and small end deflection. 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.

The telescopic boom sections are telescoped in / out by the single-cylinder telescoping mechanism with an interlocking device. The boom sections are locked mechanically and telescoped in sequence.

3.2 Jib

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

Jib section 1, square lattice structured.

Jib section 2, triangular lattice structured.

Jib section 1 is articulated on the head of top boom section with pins and can be assembled at an angle of 0° , 15° or 30° to the telescopic boom according to your needs. The angle can be conveniently changed via the rotating shaft and sliding groove.

A 9.5 m extension is optional. It can be used together with the boom, and can also be installed with the boom, and jib. It can travel with the crane instead of the jib.

3.3 Tip boom

A 3m tip boom is installed with pins. It consists of one adapter and one lattice section of a variable cross-section. The lattice section can be installed onto the adapter at an angle of 0° or 30° .

When the tip boom is not used, its two parts is connected at an angle of 0° , and the tip boom is installed at the left side the boom. When it is to be used, it is hinged with the top boom section. The lattice section is installed at 30° with the adapter. The angle change is realized conveniently through rotating shaft and sliding groove.

The tip boom is used with the auxiliary winch, with reeving factor up to 3 and the rated load up to 18 t. The use of the tip boom can increase efficient working space of the boom.

The tip boom can travel with the crane.

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 working efficiency when the loads are light.

3.5 Slewing platform

Single ribbed plate structured and optimized slewing platform made from high-strength steel plate makes the layout of articulated points of 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.

3.6 Derricking mechanism

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

3.7 Slewing mechanism

The slewing mechanism adopts two reducers. Via the planetary gear reducer, the hydraulic motor drives the pinion gear on the output shaft to rotate the toothed ring of the slewing bearing fixed on chassis frame, providing a 360° unlimited slewing range.

The free slewing mechanism has a controllable aligning function, which can automatically align the load to the slewing center through slewing during operation. A slewing damping valve and a normally-closed brake are installed to ensure stable and reliable slewing operation of the crane. A 4-point contact ball-type slewing bearing ensures the slewing platform with super-strong load bearing capability and long service life.

3.8 Hoist mechanism

It consists of a 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.

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:

Rope diameter: $\varnothing 20.0$ mm

Strength grade: 1960 N/mm²

Length of main hoist rope: 310 m

Length of auxiliary hoist rope: 220 m

3.9 Main and auxiliary hooks

Rotatable main hook: 60 t, with 6 sheaves, press nipple and hook safety device

Anti-rotating auxiliary hook (1 reeving): 6.5 t, with hook latch.

A 70 t, 80 t or 90 t hook is optional, with 6 sheaves.

3.10 Operator's cab

It is of steel-structure welded with right-mounted instrument console and adjustable seat with headrest. 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.

The cab tilting mechanism is installed, which can tilt the cab within 0-20°.

3.11 Outriggers

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

Two-section horizontal outrigger 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.

Outrigger pads are installed at head of the vertical cylinder and can move horizontally. They can be pushed inward to prevent the overall crane width from exceeding the required value. Before crane operation, they can be pushed outward, greatly saving labor force. Lock pins are installed for full and half extension of outriggers.

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.

3.12 Hydraulic system

The superstructure adopts electro-hydraulic proportional control by the integrated computer. The hydraulic system is characterized in its great operational comfort and fine movement, and is capable of combining superstructure movements. The hydraulic system is of an open type, and has small hydraulic loss, high working efficiency, high movement accuracy, high running stability and stepless speed adjustment. A counterweight handler and cab tilting mechanism are also installed.

3.13 Electrical system

Double wire system, negative grounded, 24 Volt DC.

The electrical system consists of superstructure electrical system and chassis electrical system. The superstructure adopts BUS data technology, greatly reducing the number of cables and connectors and enhancing system reliability and maintenance ease. The system has engine limit load control function and highest speed limitation function. The load moment limiter can effectively monitor all working status parameters for further analysis and actions. The chassis electrical system mainly consists: MP3 player, air conditioner and cab heater, etc. The above mentioned devices ensures excellent driving performance and comfortable driving environment.

3.14 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, 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 latch
- c) Lowering limit switch
- d) The 5th outrigger overpressure protection device
- e) Two-way hydraulic lock
- f) Balance valve
- g) Relief valve
- h) Remote wireless counterweight control device

3.15 Air conditioning and heater

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

3.16 Counterweight

Under-slung movable combination counterweight plates, 27 t in total.

Different counterweight plate combinations can be installed based on working conditions. Movable counterweight plates can be installed using the counterweight handler at the end of the slewing platform.

4 Specifications, chassis

Chassis	Engine	Model	WP12.400E62
		Rated power kW/r/min	294/1900
		Max. output torque N.m/r/min	2000/1000-1400
		Manufacturer	Weichai Power Co., Ltd.
	Model	ZLJ5500JQZV6	
	Type	Class II	
	Code	ZLJ5500JQZV6.4	
	Limits for exhaust pollutants and smoke	GB3847-2018 and GB17691-2018 (Chinese National Stage VI)	
	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)	Hi-tech Hydraulic Co., Ltd.	
	Gear pump	Jinan Hydraulic Pump Co., Ltd.	
3	Winch motor	Avic Liyuan Hydraulic Co., Ltd.	
		Beijing Huade Hydraulic Industrial Group Co., Ltd.	
		Hi-tech Hydraulic Co., Ltd.	
4	Winch reducer	Zhuzhou Gear Co., Ltd.	
5	Slewing motor	Avic Liyuan Hydraulic Co., Ltd.	
		Beijing Huade Hydraulic Industrial Group Co., Ltd.	
		Hi-tech Hydraulic Co., Ltd.	
6	Slewing reducer	Tongshan Branch, Xuzhou Keyuan Hydraulic Co., Ltd.	
7	Slewing ring	Yantai Haoyang Machinery Co., Ltd.	
8	Telescopic cylinder	Chengdu Chenggang Hydraulic Device Manufacture Co., Ltd.	
		Hunan Teli Hydraulic Co., Ltd.	
9	Derricking cylinder	Hunan Teli Hydraulic Co., Ltd.	
10	Horizontal cylinder	Hunan Teli Hydraulic Co., Ltd.	
11	Vertical cylinder	Hunan Teli Hydraulic Co., Ltd.	
12	Balance valve – telescoping mechanism	Changde Zoomlion Heavy Industry Science & Technology Hydraulic Co., Ltd.	
13	Balance valve – derricking mechanism	Bucher hydraulic (Germany)	
14	Balance valve – hoist mechanism	Changde Zoomlion Heavy Industry Science & Technology Hydraulic Co., Ltd.	
15	Wire rope	Shanghai Junwei Wire Rope and Sling Co.,Ltd.	
		Hunan Baoxian Machinery Device Trade Co., Ltd.	
16	Hook	Changsha Lanying Industry Co., Ltd.	

Ser. No.	Description	Manufacturer	Remarks
17	Load moment limiter	Zoomlion Electrical Appliance Company	
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.