

ZOOMLION

ZOOMLION ZTC1100V TRUCK CRANE

TECHNICAL SPECIFICATIONS

ZTC1100V653/27Y

Zoomlion Heavy Industry Science & Technology Co.,Ltd.

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1 Product characteristics

ZOOMLION ZTC1100V truck crane, which integrates our many years' experience in designing and manufacturing mobile cranes with advanced technology, is a new-generation and high-performance product developed to meet the market demands. Its performances, such as lifting height, main boom length, working speed and lifting capacity, have achieved advanced international level.

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

The electro-hydraulic proportional directional control valve with load 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 between “Spool winches up”, “Reel winches off”, “Derricking”, “Slewing” and “Telescope boom in / out”, which greatly improve the crane's working efficiency. The safety devices such as relief valve, balance valve, hydraulic lock and brake valve fitted in hydraulic system prevent the accidents caused by oil line overload and oil pipe ruptures.

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

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

2 Specifications, complete vehicle

2.1 Product model

Model in engineering industry: ZTC1100V

Product code: ZTC1100V653

2.2 Technical data

Item		Value	Remarks
Working performance	Max. rated lifting capacity kg	110000	
	Max. load moment of basic boom kN.m	3480	
	Max. load moment of max. length main boom kN.m	1728	
	Max. lifting height of basic boom m	13.7	
	Max. lifting height of main boom m	59.2	These parameters do not include deflection of boom and jib.
	Max. lifting height of jib (optional: 7 m extension) m	83.5	
Working speeds	Max. hoist rope speed (main winch) m/min	140	
	Max. hoist rope speed (auxiliary winch) m/min	130	
	Boom derricking up time s	60	
	Boom telescoping out time s	430	
	Slewing speed r/min	0~1.6	
Driving	Max. driving speed km/h	90	
	Max. gradeability %	40	
	Min. turning diameter m	23	
	Min. ground clearance mm	310	
	Oil consumption per hundred kilometers L	46	
Mass	Deadweight in driving condition kg	50000	
	Complete vehicle kerb mass kg	49805	
	Front axle load kg	24000	
	Rear axle load kg	26000	
Dimensions	Overall dimensions (L×W×H) mm	15000×2850×3820	
	Longitudinal distance between outriggers m	6.38	
	Transversal distance between outriggers m	Completely extended: 8.0	Intermediately extended: 5.3
	Tail slewing Radius mm	4420	
	Main boom length m	12.5~58.5	
	Boom angle °	-2~80	
	Jib length m	10.4、17.5、24.5	Optional: 7 m extension
	Offset °	0、15、30	
	Tip boom length m	3	Optional
	Tip boom angle °	30	

2.3 Rated lifting capacity table

This crane is provided with several sheets of rated lifting capacity tables. The operator should select proper rated lifting load referring to resp. lifting capacity tables according to actual working conditions. As for the details, please refer to the tables below.

For the working conditions marked with an asterisk over sides and rear, the crane must use 70t, 80t or 100t hook; when the load is more than 70t, a special device shall be installed.

For the working conditions marked with double asterisks, 110 t lifting capacity is a nominal one.

Table 1 Rated lifting capacity table

Unit: tons

Outriggers fully extended (8 m), with 23 tons counterweight, over sides and rear														
Radius (m)		Main boom length (m)										Radius (m)		
		12.5★	16.8	16.8	16.8	16.8★		21.1	21.1	21.1	21.1			21.1★
2.5		110**											2.5	
3.0		80.0*	39.0	60.0	70.0	70.0		24.0	42.0	59.0	65.0	65.0	3.0	
3.5		78.0*	37.0	59.0	70.0	70.0		23.0	41.0	57.0	65.0	65.0	3.5	
4.0		76.0*	35.0	57.5	70.0	70.0		22.0	40.0	55.0	65.0	65.0	4.0	
4.5		70.0*	32.5	54.5	65.0	65.0		21.0	38.0	51.0	65.0	65.0	4.5	
5.0		65.0	30.5	51.0	60.0	60.0		20.0	36.0	48.0	60.0	60.0	5.0	
5.5		60.0	28.5	48.0	57.0	57.0		19.0	33.0	44.0	56.0	56.0	5.5	
6.0		58.0	27.6	45.0	54.0	54.0		18.0	31.0	42.0	52.0	52.0	6.0	
7.0		49.0	24.5	41.0	46.0	46.0		16.0	28.0	36.5	45.0	45.0	7.0	
8.0		42.0	22.3	36.0	40.0	40.0		15.0	25.0	34.0	40.0	40.0	8.0	
9.0		36.5	20.8	32.5	37.0	37.0		13.5	23.5	30.0	36.5	36.5	9.0	
10.0			19.0	30.0	33.0	33.0		12.5	21.5	27.5	35.0	33.5	10.0	
11.0			18.5	28.0	29.5	29.0		11.5	20.0	25.5	29.5	28.0	11.0	
12.0			17.5	25.7	25.5	25.0		11.0	19.0	24.0	25.5	24.5	12.0	
14.0								10.0	16.5	20.5	19.7	18.5	14.0	
16.0								9.0	14.5	16.5	15.5	15.0	16.0	
18.0													18.0	
Reeving		12	12					10					Reeving	
Hook		60 t										Hook		
Telescoping mode	I	1	1	1	1	1		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	1	2		1	1	1	2	2	II	
	III	1	1	1	2	1		1	1	2	2	1	III	
	IV	1	1	2	1	1		1	2	2	1	1	IV	
	V	1	2	1	1	1		3	2	1	1	1	V	

Table 2 Main boom

Unit: tons

Outriggers fully extended (8 m), with 23 tons counterweight, over sides and rear														
Radius (m)		Main boom length (m)										Radius (m)		
		25.4	25.4	25.4	25.4	25.4★		29.7	29.7	29.7	29.7			29.7★
3.0													3.0	
3.5													3.5	
4.0		25.0	27.0	42.0	51.0	51.0							4.0	
4.5		24.0	25.5	41.0	49.0	51.0							4.5	
5.0		23.0	24.5	39.0	46.0	51.0		21.0	25.0	27.7	43.0	44.0	5.0	
5.5		22.0	23.5	37.0	44.0	51.0		20.0	24.0	26.0	41.0	44.0	5.5	
6.0		21.0	22.0	35.5	42.0	51.0		19.5	23.0	24.5	39.5	44.0	6.0	
7.0		19.5	19.5	33.0	39.0	48.0		17.0	20.5	21.5	37.0	44.0	7.0	
8.0		17.0	17.0	30.0	37.0	42.0		15.5	18.5	19.7	34.0	40.0	8.0	
9.0		15.5	15.5	27.0	35.0	37.0		14.0	17.0	18.0	32.0	37.0	9.0	
10.0		14.0	14.3	24.5	33.0	34.0		13.0	15.5	16.5	29.5	33.5	10.0	
11.0		13.0	13.2	22.5	30.0	29.0		11.5	14.5	15.0	26.5	29.0	11.0	
12.0		12.0	12.3	21.0	26.0	25.0		11.0	13.5	14.0	25.0	25.5	12.0	
14.0		10.5	10.8	18.0	20.5	19.0		9.5	12.0	12.3	21.0	20.0	14.0	
16.0		9.3	9.7	16.0	16.5	15.2		8.4	10.5	11.0	17.3	16.0	16.0	
18.0		8.3	8.7	14.5	13.5	12.3		7.5	9.5	9.8	14.3	13.3	18.0	
20.0		7.5	7.7	12.0	11.3	10.0		6.8	8.5	8.8	12.0	11.0	20.0	
22.0								6.2	7.5	8.0	10.2	9.1	22.0	
24.0								5.3	7.0	6.8	8.8	7.7	24.0	
26.0													26.0	
Reeving		8						7					Reeving	
Hook		60 t											Hook	
Telescoping mode	I	1	1	1	1	2		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	2	2		1	1	1	2	2	II	
	III	1	1	2	2	2		1	2	3	2	2	III	
	IV	2	3	2	2	1		3	3	2	2	2	IV	
	V	3	2	2	1	1		3	2	2	2	1	V	

Table 3 Main boom

Unit: tons

Outriggers fully extended (8 m), with 23 tons counterweight, over sides and rear															
Radius (m)		Main boom length (m)											Radius (m)		
		34.0	34.0	34.0	34.0	34.0★		38.3	38.3	38.3	38.3	38.3★			
3.0														3.0	
3.5														3.5	
4.0														4.0	
4.5														4.5	
5.0														5.0	
5.5														5.5	
6.0		20.2	22.0	27.0	29.5	40.0								6.0	
7.0		18.5	20.0	24.5	27.0	37.5		17.5	21.5	25.5	29.5	30.6		7.0	
8.0		17.0	18.0	21.0	24.5	34.0		16.0	19.5	23.0	27.5	28.3		8.0	
9.0		15.5	16.5	19.3	22.3	32.5		14.5	18.0	21.0	24.8	25.3		9.0	
10.0		14.0	15.0	17.5	20.5	31.5		13.5	16.6	19.4	23.0	23.0		10.0	
11.0		13.0	14.0	16.0	18.5	28.0		12.3	15.2	17.5	20.8	21.0		11.0	
12.0		12.2	13.0	15.2	17.5	26.0		11.5	14.1	16.2	19.3	19.5		12.0	
14.0		10.5	11.2	13.2	15.2	20.5		10.0	12.3	14.0	16.8	16.8		14.0	
16.0		9.2	10.0	11.8	13.4	16.5		9.0	11.0	12.2	15.0	15.8		16.0	
18.0		8.2	9.0	10.5	12.0	13.5		8.0	10.0	11.0	13.2	13.2		18.0	
20.0		7.4	8.0	9.5	10.7	11.5		7.1	9.0	9.8	11.5	11.0		20.0	
22.0		6.8	7.3	8.6	9.5	9.8		6.5	8.0	9.0	9.8	9.4		22.0	
24.0		6.2	6.6	8.0	8.8	8.4		6.0	7.5	8.1	8.3	8.1		24.0	
26.0		5.8	6.0	7.5	7.6	7.4		5.5	6.9	7.0	7.2	7.0		26.0	
28.0		5.0	5.5	6.8	6.6	6.3		5.0	6.4	6.4	6.2	6.0		28.0	
30.0								4.7	5.7	6.0	5.4	5.1		30.0	
32.0								4.0	4.8	5.2	4.7	4.3		32.0	
34.0														34.0	
Reeving		6						5					Reeving		
Hook		60 t												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 Main boom

Unit: tons

Outriggers fully extended (8 m), with 23 tons counterweight, over sides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	42.6	42.6	42.6	42.6★	46.9	46.9	46.9★	51.2	51.2★	55.5★	58.5★			
3.0												3.0		
3.5												3.5		
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												8.0		
9.0	16.5	19.0	22.0	24.0								9.0		
10.0	15.2	17.5	20.6	22.0	15.5	18.2	19.5					10.0		
11.0	14.0	16.0	18.5	20.0	14.3	16.8	18.0	13.0	14.5			11.0		
12.0	13.0	15.0	17.6	18.5	13.5	16.2	17.2	11.5	14.0			12.0		
14.0	11.2	13.3	15.3	16.5	12.0	14.0	15.5	11.5	11.5	10.5	9.7	14.0		
16.0	10.0	11.6	13.7	14.5	10.8	12.5	13.5	10.5	11.5	9.7	9.0	16.0		
18.0	8.9	10.3	12.2	12.6	9.5	11.4	12.0	10.1	11.0	9.0	8.7	18.0		
20.0	8.0	9.2	11.0	10.8	8.5	10.2	10.7	9.3	10.2	8.5	8.2	20.0		
22.0	7.4	8.4	9.4	9.6	7.8	9.0	9.0	8.5	9.2	8.0	7.7	22.0		
24.0	6.8	7.7	8.5	8.2	7.0	8.2	8.0	7.8	8.0	7.4	7.2	24.0		
26.0	6.2	7.1	7.5	7.0	6.5	7.2	7.2	7.0	7.0	6.7	6.6	26.0		
28.0	5.7	6.3	6.5	6.0	6.0	6.2	6.2	6.4	6.3	6.1	6.0	28.0		
30.0	5.3	5.5	5.7	5.1	5.5	5.8	5.4	5.6	5.6	5.5	5.5	30.0		
32.0	5.0	5.0	5.0	4.4	5.0	5.2	4.6	5.0	4.9	5.1	5.0	32.0		
34.0	4.5	4.3	4.3	3.7	4.5	4.5	4.0	4.6	4.3	4.6	4.5	34.0		
36.0	3.7	4.0	3.7	3.2	4.0	4.0	3.4	4.3	3.7	4.0	4.3	36.0		
38.0					3.5	3.5	2.9	3.8	3.2	3.5	3.7	38.0		
40.0					3.3	3.0	2.5	3.4	2.8	3.2	3.2	40.0		
42.0								3.0	2.4	2.8	2.8	42.0		
44.0								2.6	2.0	2.4	2.4	44.0		
46.0										2.0	2.1	46.0		
48.0										1.7	1.8	48.0		
50.0											1.5	50.0		
52.0												52.0		
Reeving	4				3			3		3	3	Reeving		
Hook	60 t											Hook		
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I	Telescoping mode
	II	2	3	3	3	3	3	3	3	3	3	4	II	
	III	3	3	3	2	3	3	3	3	3	3	4	III	
	IV	3	3	2	2	3	3	2	3	3	3	4	IV	
	V	3	2	2	2	3	2	2	3	2	3	4	V	

Table 5 Main boom

Unit: tons

Outriggers fully extended (8 m), with 19 tons counterweight, over sides and rear														
Radius (m)		Main boom length (m)										Radius (m)		
		12.5★	16.8	16.8	16.8	16.8★		21.1	21.1	21.1	21.1			21.1★
2.5		110**											2.5	
3.0		80.0*	39.0	60.0	70.0	70.0		24.0	42.0	59.0	65.0	65.0	3.0	
3.5		78.0*	37.0	59.0	70.0	70.0		23.0	41.0	57.0	65.0	65.0	3.5	
4.0		76.0*	35.0	57.5	70.0	70.0		22.0	40.0	55.0	65.0	65.0	4.0	
4.5		70.0*	32.5	54.5	65.0	65.0		21.0	38.0	51.0	65.0	65.0	4.5	
5.0		65.0	30.5	51.0	60.0	60.0		20.0	36.0	48.0	60.0	60.0	5.0	
5.5		60.0	28.5	48.0	57.0	57.0		19.0	33.0	44.0	56.0	56.0	5.5	
6.0		57.0	27.6	45.0	54.0	54.0		18.0	31.0	42.0	52.0	52.0	6.0	
7.0		47.5	24.5	41.0	46.0	46.0		16.0	28.0	36.5	45.0	45.0	7.0	
8.0		41.0	22.3	36.0	40.0	40.0		15.0	25.0	34.0	40.0	40.0	8.0	
9.0		36.5	20.8	32.5	36.0	36.0		13.5	23.5	30.0	36.5	36.5	9.0	
10.0			19.0	29.5	32.5	32.0		12.5	21.5	27.5	32.5	31.0	10.0	
11.0			18.5	27.5	27.0	27.0		11.5	20.0	25.0	27.5	26.5	11.0	
12.0			17.5	24.0	23.5	23.0		11.0	19.0	23.0	23.6	22.5	12.0	
14.0								9.5	16.0	19.2	18.2	17.0	14.0	
16.0								8.7	14.0	15.3	14.5	13.3	16.0	
18.0													18.0	
Reeving		12	12					10					Reeving	
Hook		60 t											Hook	
Telescoping mode	I	1	1	1	1	1		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	1	2		1	1	1	2	2	II	
	III	1	1	1	2	1		1	1	2	2	1	III	
	IV	1	1	2	1	1		1	2	2	1	1	IV	
	V	1	2	1	1	1		3	2	1	1	1	V	

Table 6 Main boom

Unit: tons

Outriggers fully extended (8 m), with 19 tons counterweight, over sides and rear														
Radius (m)		Main boom length (m)										Radius (m)		
		25.4	25.4	25.4	25.4	25.4★		29.7	29.7	29.7	29.7			29.7★
3.0													3.0	
3.5													3.5	
4.0		25.0	27.0	42.0	51.0	51.0							4.0	
4.5		24.0	25.5	41.0	49.0	51.0							4.5	
5.0		23.0	24.5	39.0	46.0	51.0		21.0	25.0	27.7	43.0	44.0	5.0	
5.5		22.0	23.5	37.0	44.0	51.0		20.0	24.0	26.0	41.0	44.0	5.5	
6.0		21.0	22.0	35.5	42.0	51.0		19.5	23.0	24.5	39.5	44.0	6.0	
7.0		19.5	19.5	33.0	39.0	48.0		17.0	20.5	21.5	37.0	44.0	7.0	
8.0		17.0	17.0	30.0	37.0	42.0		15.5	18.5	19.7	34.0	40.0	8.0	
9.0		15.5	15.5	27.0	35.0	37.0		14.0	17.0	18.0	32.0	37.0	9.0	
10.0		14.0	14.3	24.5	32.0	32.0		13.0	15.5	16.5	29.5	33.0	10.0	
11.0		13.0	13.2	22.5	27.0	27.0		11.5	14.5	15.0	26.5	27.5	11.0	
12.0		12.0	12.3	21.0	24.0	23.5		11.0	13.5	14.0	24.5	24.0	12.0	
14.0		10.5	10.8	18.0	19.0	18.0		9.5	12.0	12.3	20.0	18.5	14.0	
16.0		9.3	9.7	16.0	15.0	14.0		8.4	10.5	11.0	16.0	15.0	16.0	
18.0		8.3	8.7	13.4	12.5	11.3		7.5	9.5	9.8	13.3	12.0	18.0	
20.0		7.5	7.7	11.0	10.0	9.0		6.8	8.5	8.8	11.2	10.0	20.0	
22.0								6.2	7.5	8.0	9.5	8.3	22.0	
24.0								5.3	7.0	6.8	8.0	7.0	24.0	
26.0													26.0	
Reeving		8						7					Reeving	
Hook		60 t											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 Main boom

Unit: tons

Outriggers fully extended (8 m), with 19 tons counterweight, over sides and rear													
Radius (m)	Main boom length (m)											Radius (m)	
	34.0	34.0	34.0	34.0	34.0★		38.3	38.3	38.3	38.3	38.3★		
3.0												3.0	
3.5												3.5	
4.0												4.0	
4.5												4.5	
5.0												5.0	
5.5												5.5	
6.0	20.2	22.0	27.0	29.5	40.0							6.0	
7.0	18.5	20.0	24.5	27.0	37.5		17.5	21.5	25.5	29.5	30.6	7.0	
8.0	17.0	18.0	21.0	24.5	34.0		16.0	19.5	23.0	27.5	28.3	8.0	
9.0	15.5	16.5	19.3	22.3	32.5		14.5	18.0	21.0	24.8	25.3	9.0	
10.0	14.0	15.0	17.5	20.5	31.5		13.5	16.6	19.4	23.0	23.0	10.0	
11.0	13.0	14.0	16.0	18.5	28.0		12.3	15.2	17.5	20.8	21.0	11.0	
12.0	12.2	13.0	15.2	17.5	25.0		11.5	14.1	16.2	19.3	19.5	12.0	
14.0	10.5	11.2	13.2	15.2	19.5		10.0	12.3	14.0	16.8	16.8	14.0	
16.0	9.2	10.0	11.8	13.4	15.5		9.0	11.0	12.2	15.0	15.0	16.0	
18.0	8.2	9.0	10.5	12.0	12.8		8.0	10.0	11.0	12.8	12.3	18.0	
20.0	7.4	8.0	9.5	10.7	10.5		7.1	9.0	9.8	10.6	10.2	20.0	
22.0	6.8	7.3	8.6	9.5	9.0		6.5	8.0	9.0	9.0	8.5	22.0	
24.0	6.2	6.6	8.0	8.2	7.6		6.0	7.5	8.0	7.6	7.2	24.0	
26.0	5.8	6.0	6.9	6.9	6.5		5.5	6.9	7.0	6.5	6.2	26.0	
28.0	5.0	5.5	6.1	5.9	5.6		5.0	6.4	6.0	5.6	5.2	28.0	
30.0							4.7	5.7	5.3	4.8	4.5	30.0	
32.0							4.0	4.7	4.6	4.0	3.7	32.0	
34.0												34.0	
Reeving	6							5					Reeving
Hook	60 t												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
Telescoping mode													

Table 8 Main boom

Unit: tons

Outriggers fully extended (8 m), with 19 tons counterweight, over sides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	42.6	42.6	42.6	42.6★	46.9	46.9	46.9★	51.2	51.2★	55.5★	58.5★			
3.0												3.0		
3.5												3.5		
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												8.0		
9.0	16.5	19.0	22.0	24.0								9.0		
10.0	15.2	17.5	20.6	22.0	15.5	18.2	19.5					10.0		
11.0	14.0	16.0	18.5	20.0	14.3	16.8	18.0	13.0	14.5			11.0		
12.0	13.0	15.0	17.6	18.5	13.5	16.2	17.2	12.5	14.0			12.0		
14.0	11.2	13.3	15.3	16.5	12.0	14.0	15.5	11.5	12.5	10.5	9.7	14.0		
16.0	10.0	11.6	13.7	14.5	10.8	12.5	13.5	10.5	11.5	9.7	9.0	16.0		
18.0	8.9	10.3	12.2	12.4	9.5	11.4	12.0	10.1	11.0	9.0	8.7	18.0		
20.0	8.0	9.2	10.8	10.2	8.5	10.2	10.7	9.3	10.2	8.5	8.2	20.0		
22.0	7.4	8.4	9.1	8.6	7.8	9.0	9.0	8.5	9.2	8.0	7.7	22.0		
24.0	6.8	7.7	7.7	7.3	7.0	7.9	7.6	7.8	8.0	7.4	7.2	24.0		
26.0	6.2	7.1	6.7	6.2	6.5	7.0	6.4	7.0	6.8	6.7	6.6	26.0		
28.0	5.7	6.3	5.8	5.3	6.0	6.1	5.5	6.4	5.8	6.1	6.0	28.0		
30.0	5.3	5.5	5.0	4.5	5.5	5.3	4.7	5.6	5.0	5.4	5.5	30.0		
32.0	5.0	5.0	4.3	3.8	5.0	4.6	4.0	5.0	4.3	4.7	4.7	32.0		
34.0	4.5	4.3	3.7	3.2	4.5	4.0	3.5	4.4	3.7	4.1	4.1	34.0		
36.0	3.7	3.8	3.2	2.6	4.0	3.5	3.0	3.8	3.2	3.6	3.6	36.0		
38.0					3.7	3.0	2.5	3.3	2.8	3.1	3.1	38.0		
40.0					3.2	2.5	2.0	3.0	2.4	2.7	2.7	40.0		
42.0								2.6	2.0	2.3	2.4	42.0		
44.0								2.2	1.6	1.9	2.0	44.0		
46.0										1.7	1.8	46.0		
48.0										1.3	1.4	48.0		
50.0											1.1	50.0		
52.0												52.0		
Reeving	4				3			3		3	3	Reeving		
Hook	60 t											Hook		
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I	Telescoping mode
	II	2	3	3	3	3	3	3	3	3	3	4	II	
	III	3	3	3	2	3	3	3	3	3	3	4	III	
	IV	3	3	2	2	3	3	2	3	3	3	4	IV	
	V	3	2	2	2	3	2	2	3	2	3	4	V	

Table 9 Main boom

Unit: tons

Outriggers fully extended (8 m), with 15 tons counterweight, over sides and rear														
Radius (m)		Main boom length (m)										Radius (m)		
		12.5★	16.8	16.8	16.8	16.8★		21.1	21.1	21.1	21.1			21.1★
2.5		110**											2.5	
3.0		80.0*	39.0	60.0	70.0	70.0		24.0	42.0	59.0	65.0	65.0	3.0	
3.5		78.0*	37.0	59.0	70.0	70.0		23.0	41.0	57.0	65.0	65.0	3.5	
4.0		76.0*	35.0	57.5	70.0	70.0		22.0	40.0	55.0	65.0	65.0	4.0	
4.5		70.0*	32.5	54.5	65.0	65.0		21.0	38.0	51.0	65.0	65.0	4.5	
5.0		65.0	30.5	51.0	60.0	60.0		20.0	36.0	48.0	60.0	60.0	5.0	
5.5		60.0	28.5	48.0	57.0	57.0		19.0	33.0	44.0	56.0	56.0	5.5	
6.0		56.0	27.6	45.0	54.0	54.0		18.0	31.0	42.0	52.0	52.0	6.0	
7.0		46.0	24.5	41.0	46.0	46.0		16.0	28.0	36.5	45.0	45.0	7.0	
8.0		40.0	22.3	36.0	40.0	40.0		15.0	25.0	34.0	40.0	40.0	8.0	
9.0		33.0	20.8	32.5	34.5	34.0		13.5	23.5	30.0	35.0	33.5	9.0	
10.0			19.0	29.0	28.5	28.0		12.5	21.5	27.5	29.0	27.5	10.0	
11.0			18.5	24.5	24.0	23.5		11.5	20.0	25.0	24.5	23.0	11.0	
12.0			17.5	21.0	20.5	20.0		11.0	19.0	21.7	21.0	19.5	12.0	
14.0								9.5	16.0	16.7	16.0	14.7	14.0	
16.0								8.7	13.8	13.3	12.6	11.3	16.0	
18.0													18.0	
Reeving		12	12					10					Reeving	
Hook		60 t											Hook	
Telescoping mode	I	1	1	1	1	1		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	1	2		1	1	1	2	2	II	
	III	1	1	1	2	1		1	1	2	2	1	III	
	IV	1	1	2	1	1		1	2	2	1	1	IV	
	V	1	2	1	1	1		3	2	1	1	1	V	

Table 10 Main boom

Unit: tons

Outriggers fully extended (8 m), with 15 tons counterweight, over sides and rear														
Radius (m)		Main boom length (m)											Radius (m)	
		25.4	25.4	25.4	25.4	25.4★		29.7	29.7	29.7	29.7	29.7★		
3.0													3.0	
3.5													3.5	
4.0		25.0	27.0	42.0	51.0	51.0							4.0	
4.5		24.0	25.5	41.0	49.0	51.0							4.5	
5.0		23.0	24.5	39.0	46.0	51.0		21.0	25.0	27.7	43.0	44.0	5.0	
5.5		22.0	23.5	37.0	44.0	51.0		20.0	24.0	26.0	41.0	44.0	5.5	
6.0		21.0	22.0	35.5	42.0	51.0		19.5	23.0	24.5	39.5	44.0	6.0	
7.0		19.5	19.5	33.0	39.0	48.0		17.0	20.5	21.5	37.0	44.0	7.0	
8.0		17.0	17.0	30.0	37.0	42.0		15.5	18.5	19.7	34.0	40.0	8.0	
9.0		15.5	15.5	27.0	35.0	34.5		14.0	17.0	18.0	32.0	35.0	9.0	
10.0		14.0	14.3	24.5	30.0	28.5		13.0	15.5	16.5	28.0	29.0	10.0	
11.0		13.0	13.2	22.5	25.5	24.0		11.5	14.5	15.0	26.0	24.5	11.0	
12.0		12.0	12.3	21.0	22.0	20.5		11.0	13.5	14.0	22.8	21.5	12.0	
14.0		10.5	10.8	18.0	17.0	15.5		9.5	12.0	12.3	17.7	16.5	14.0	
16.0		9.3	9.7	14.4	13.5	12.2		8.4	10.5	11.0	14.2	13.0	16.0	
18.0		8.3	8.7	11.8	11.0	9.8		7.5	9.5	9.8	11.7	10.5	18.0	
20.0		7.5	7.7	10.0	9.1	7.9		6.8	8.5	8.8	9.8	8.6	20.0	
22.0								6.2	7.5	8.0	8.3	7.1	22.0	
24.0								5.3	7.0	6.8	7.1	5.9	24.0	
26.0													26.0	
Reeving		8						7					Reeving	
Hook		60 t											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 Main boom

Unit: tons

Outriggers fully extended (8 m), with 15 tons counterweight, over sides and rear														
Radius (m)		Main boom length (m)										Radius (m)		
		34.0	34.0	34.0	34.0	34.0★		38.3	38.3	38.3	38.3			38.3★
3.0													3.0	
3.5													3.5	
4.0													4.0	
4.5													4.5	
5.0													5.0	
5.5													5.5	
6.0		20.2	22.0	27.0	29.5	40.0							6.0	
7.0		18.5	20.0	24.5	27.0	37.5		17.5	21.5	25.5	29.5	30.6	7.0	
8.0		17.0	18.0	21.0	24.5	34.0		16.0	19.5	23.0	27.5	28.3	8.0	
9.0		15.5	16.5	19.3	22.3	32.5		14.5	18.0	21.0	24.8	25.3	9.0	
10.0		14.0	15.0	17.5	20.5	30.0		13.5	16.6	19.4	23.0	23.0	10.0	
11.0		13.0	14.0	16.0	18.5	25.8		12.3	15.2	17.5	20.8	21.0	11.0	
12.0		12.2	13.0	15.2	17.5	22.2		11.5	14.1	16.2	19.3	19.5	12.0	
14.0		10.5	11.2	13.2	15.2	17.2		10.0	12.3	14.0	16.5	16.8	14.0	
16.0		9.2	10.0	11.8	13.4	13.7		9.0	11.0	12.2	13.7	13.3	16.0	
18.0		8.2	9.0	10.5	11.6	11.2		8.0	10.0	11.0	11.2	10.8	18.0	
20.0		7.4	8.0	9.5	9.7	9.3		7.1	9.0	9.7	9.2	8.9	20.0	
22.0		6.8	7.3	8.4	8.2	7.8		6.5	8.0	8.4	7.7	7.4	22.0	
24.0		6.2	6.6	7.2	7.0	6.6		6.0	6.9	7.2	6.5	6.2	24.0	
26.0		5.8	6.0	6.2	6.0	5.6		5.5	6.4	6.1	5.5	5.2	26.0	
28.0		5.0	5.2	5.3	5.1	4.7		5.0	5.6	5.3	4.7	4.3	28.0	
30.0								4.7	4.9	4.6	4.0	3.6	30.0	
32.0								4.0	4.3	4.0	3.4	3.0	32.0	
34.0													34.0	
Reeving		6						5					Reeving	
Hook		60 t											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 Main boom

Unit: tons

Outriggers fully extended (8 m), with 15 tons counterweight, over sides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	42.6	42.6	42.6	42.6 ★	46.9	46.9	46.9 ★	51.2	51.2 ★	55.5 ★	58.5 ★			
3.0												3.0		
3.5												3.5		
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												8.0		
9.0	16.5	19.0	22.0	24.0								9.0		
10.0	15.2	17.5	20.6	22.0	15.5	18.2	19.5					10.0		
11.0	14.0	16.0	18.5	20.0	14.3	16.8	18.0	13.0	14.5			11.0		
12.0	13.0	15.0	17.6	18.5	13.5	16.2	17.2	12.5	14.0			12.0		
14.0	11.2	13.3	15.0	15.8	12.0	14.0	15.0	11.5	12.5	10.5	9.7	14.0		
16.0	10.0	11.6	13.0	13.4	10.8	12.0	12.8	10.5	11.5	9.7	9.0	16.0		
18.0	8.9	10.3	11.5	11.0	9.5	11.0	11.1	10.1	11.0	9.0	8.7	18.0		
20.0	8.0	9.2	9.5	8.9	8.5	9.4	9.2	9.0	9.5	8.5	8.2	20.0		
22.0	7.4	8.2	8.0	7.4	7.8	8.3	7.7	8.0	8.0	8.0	7.6	22.0		
24.0	6.8	7.2	6.7	6.2	7.0	7.0	6.4	7.2	6.8	7.0	7.0	24.0		
26.0	6.2	6.4	5.7	5.2	6.5	6.0	5.4	6.4	5.8	6.1	6.1	26.0		
28.0	5.6	5.5	4.9	4.4	6.0	5.2	4.6	5.5	4.9	5.2	5.2	28.0		
30.0	5.0	4.8	4.2	3.7	5.0	4.5	3.9	4.8	4.2	4.5	4.5	30.0		
32.0	4.5	4.2	3.6	3.0	4.5	3.8	3.3	4.2	3.5	3.9	3.9	32.0		
34.0	4.1	3.6	3.0	2.5	4.0	3.3	2.7	3.6	3.0	3.3	3.3	34.0		
36.0	3.6	3.2	2.5	2.0	3.5	2.8	2.2	3.2	2.5	2.8	2.8	36.0		
38.0					3.1	2.4	1.8	2.7	2.1	2.4	2.4	38.0		
40.0					2.7	2.0	1.4	2.3	1.7	1.9	2.0	40.0		
42.0								2.0	1.4	1.6	1.6	42.0		
44.0								1.7	1.1	1.3	1.3	44.0		
46.0										1.1	1.1	46.0		
48.0												48.0		
Reeving	4				3			3		3	3	Reeving		
Hook	60 t											Hook		
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I	Telescoping mode
	II	2	3	3	3	3	3	3	3	3	3	4	II	
	III	3	3	3	2	3	3	3	3	3	3	4	III	
	IV	3	3	2	2	3	3	2	3	3	3	4	IV	
	V	3	2	2	2	3	2	2	3	2	3	4	V	

Table 13 Main boom

Unit: tons

Outriggers fully extended (8 m), with 11 tons counterweight, over sides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	12.5 ★	16.8	16.8	16.8	16.8 ★		21.1	21.1	21.1	21.1	21.1 ★			
2.5	110**											2.5		
3.0	80.0*	39.0	60.0	70.0	70.0		24.0	42.0	59.0	65.0	65.0	3.0		
3.5	78.0*	37.0	59.0	70.0	70.0		23.0	41.0	57.0	65.0	65.0	3.5		
4.0	76.0*	35.0	57.5	70.0	70.0		22.0	40.0	55.0	65.0	65.0	4.0		
4.5	70.0*	32.5	54.5	65.0	65.0		21.0	38.0	51.0	65.0	65.0	4.5		
5.0	61.0	30.5	51.0	60.0	60.0		20.0	36.0	48.0	60.0	60.0	5.0		
5.5	56.0	28.5	48.0	57.0	57.0		19.0	33.0	44.0	56.0	56.0	5.5		
6.0	52.0	27.6	45.0	54.0	54.0		18.0	31.0	42.0	52.0	52.0	6.0		
7.0	43.0	24.5	40.5	46.0	46.0		16.0	28.0	36.5	45.0	45.0	7.0		
8.0	36.0	22.3	36.0	38.5	37.5		15.0	25.0	33.5	39.0	37.5	8.0		
9.0	29.0	20.8	31.5	31.0	30.0		13.5	23.5	29.5	31.0	29.5	9.0		
10.0		19.0	26.0	25.5	24.5		12.5	21.5	26.5	25.5	24.0	10.0		
11.0		18.5	21.5	21.0	20.5		11.5	20.0	22.5	21.5	20.0	11.0		
12.0		17.5	18.5	18.0	17.5		11.0	19.0	19.3	18.5	17.0	12.0		
14.0							9.5	15.1	14.7	13.9	12.5	14.0		
16.0							8.7	12.0	11.5	10.8	9.5	16.0		
18.0												18.0		
Reeving	12	12					10					Reeving		
Hook	60 t											Hook		
Telescoping mode	I	1	1	1	1	1		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	1	2		1	1	1	2	2	II	
	III	1	1	1	2	1		1	1	2	2	1	III	
	IV	1	1	2	1	1		1	2	2	1	1	IV	
	V	1	2	1	1	1		3	2	1	1	1	V	

Table 14 Main boom

Unit: tons

Outriggers fully extended (8 m), with 11 tons counterweight, over sides and rear													
Radius (m)	Main boom length (m)											Radius (m)	
	25.4	25.4	25.4	25.4	25.4 ★		29.7	29.7	29.7	29.7	29.7 ★		
3.0												3.0	
3.5												3.5	
4.0	25.0	27.0	42.0	51.0	51.0							4.0	
4.5	24.0	25.5	41.0	49.0	51.0							4.5	
5.0	23.0	24.5	39.0	46.0	51.0		21.0	25.0	27.7	43.0	44.0	5.0	
5.5	22.0	23.5	37.0	44.0	51.0		20.0	24.0	26.0	41.0	44.0	5.5	
6.0	21.0	22.0	35.5	42.0	51.0		19.5	23.0	24.5	39.5	44.0	6.0	
7.0	19.5	19.5	33.0	39.0	45.0		17.0	20.5	21.5	37.0	44.0	7.0	
8.0	17.0	17.0	30.0	37.0	38.0		15.5	18.5	19.7	34.0	39.5	8.0	
9.0	15.5	15.5	27.0	32.0	30.0		14.0	17.0	18.0	31.0	31.5	9.0	
10.0	14.0	14.3	24.5	26.5	25.0		13.0	15.5	16.5	27.5	26.0	10.0	
11.0	13.0	13.2	22.5	22.2	20.7		11.5	14.5	15.0	23.0	21.5	11.0	
12.0	12.0	12.3	20.0	19.0	17.6		11.0	13.5	14.0	20.0	18.5	12.0	
14.0	10.5	10.8	15.5	14.5	13.1		9.5	12.0	12.3	15.5	14.0	14.0	
16.0	9.3	9.7	12.2	11.3	10.1		8.4	10.5	11.0	12.0	10.8	16.0	
18.0	8.3	8.7	10.2	9.3	8.1		7.5	9.5	9.6	10.0	8.8	18.0	
20.0	7.5	7.7	8.2	7.5	6.3		6.8	8.5	8.6	8.3	7.1	20.0	
22.0							6.2	7.4	7.4	6.9	5.7	22.0	
24.0							5.3	6.3	6.3	5.8	4.6	24.0	
26.0												26.0	
Reeving	8							7					Reeving
Hook	60 t												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
Telescoping mode													

Table 15 Main boom

Unit: tons

Outriggers fully extended (8 m), with 11 tons counterweight, over sides and rear														
Radius (m)		Main boom length (m)										Radius (m)		
		34.0	34.0	34.0	34.0	34.0 ★		38.3	38.3	38.3	38.3			38.3 ★
3.0													3.0	
3.5													3.5	
4.0													4.0	
4.5													4.5	
5.0													5.0	
5.5													5.5	
6.0		20.2	22.0	27.0	29.5	40.0							6.0	
7.0		18.5	20.0	24.5	27.0	37.5		17.5	21.5	25.5	29.5	30.6	7.0	
8.0		17.0	18.0	21.0	24.5	34.0		16.0	19.5	23.0	27.5	28.3	8.0	
9.0		15.5	16.5	19.3	22.3	31.0		14.5	18.0	21.0	24.8	25.3	9.0	
10.0		14.0	15.0	17.5	20.5	27.0		13.5	16.6	19.4	23.0	23.0	10.0	
11.0		13.0	14.0	16.0	18.5	22.5		12.3	15.2	17.5	20.5	21.0	11.0	
12.0		12.2	13.0	15.2	17.5	19.5		11.5	14.1	16.2	18.7	19.5	12.0	
14.0		10.5	11.2	13.2	15.2	14.9		10.0	12.3	14.0	15.0	14.5	14.0	
16.0		9.2	10.0	11.8	12.0	11.5		9.0	11.0	12.0	11.8	11.5	16.0	
18.0		8.2	9.0	10.0	10.0	9.5		8.0	9.5	10.2	9.5	9.2	18.0	
20.0		7.4	8.0	8.5	8.2	7.8		7.1	8.3	8.5	7.8	7.5	20.0	
22.0		6.8	7.0	7.1	6.8	6.4		6.5	7.5	7.1	6.5	6.1	22.0	
24.0		6.2	6.2	6.0	5.7	5.3		6.0	6.4	6.0	5.3	5.0	24.0	
26.0		5.8	5.5	5.0	4.8	4.4		5.5	5.4	5.0	4.4	4.1	26.0	
28.0		5.0	4.9	4.4	4.2	3.8		5.0	4.6	4.2	3.6	3.3	28.0	
30.0								4.5	4.0	3.6	3.0	2.6	30.0	
32.0								4.0	3.4	3.0	2.4	2.1	32.0	
34.0													34.0	
Reeving		6						5					Reeving	
Hook		60 t										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 Main boom

Unit: tons

Outriggers fully extended (8 m), with 11 tons counterweight, over sides and rear														
Radius (m)		Main boom length (m)											Radius (m)	
		42.6	42.6	42.6	42.6 ★	46.9	46.9	46.9 ★	51.2	51.2 ★	55.5 ★	58.5 ★		
3.0													3.0	
3.5													3.5	
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													8.0	
9.0		16.5	19.0	22.0	24.0								9.0	
10.0		15.2	17.5	20.0	22.0	15.5	18.2	19.5					10.0	
11.0		14.0	16.0	18.0	20.0	14.3	16.8	18.0	13.0	14.5			11.0	
12.0		13.0	15.0	16.0	18.0	13.5	16.2	16.5	12.5	14.0			12.0	
14.0		11.2	12.5	14.0	14.5	12.0	13.0	14.0	11.5	12.5	10.5	9.7	14.0	
16.0		10.0	11.0	12.0	11.5	10.8	11.5	12.0	10.5	11.5	9.7	9.0	16.0	
18.0		8.9	10.0	9.8	9.2	9.5	10.1	9.5	9.3	10.0	9.0	8.7	18.0	
20.0		8.0	8.5	8.0	7.4	8.3	8.4	7.8	8.3	8.0	8.5	8.2	20.0	
22.0		7.4	7.3	6.6	6.1	7.2	7.0	6.4	7.4	6.7	7.1	7.3	22.0	
24.0		6.4	6.3	5.5	5.0	6.6	5.8	5.2	6.2	5.5	5.9	6.1	24.0	
26.0		5.4	5.2	4.6	4.1	5.7	4.9	4.3	5.2	4.6	4.9	5.1	26.0	
28.0		4.8	4.5	3.8	3.3	4.9	4.1	3.5	4.4	3.8	4.2	4.3	28.0	
30.0		4.2	3.8	3.2	2.7	4.2	3.5	2.9	3.7	3.1	3.5	3.6	30.0	
32.0		3.7	3.2	2.6	2.1	3.6	2.9	2.3	3.2	2.6	2.9	3.0	32.0	
34.0		3.2	2.7	2.1	1.6	3.1	2.4	1.8	2.7	2.1	2.4	2.5	34.0	
36.0		2.7	2.3	1.7	1.2	2.7	2.0	1.4	2.3	1.7	2.0	2.1	36.0	
38.0						2.3	1.6	1.0	1.9	1.3	1.6	1.7	38.0	
40.0									1.5	0.9	1.2	1.3	40.0	
42.0											0.9	1.0	42.0	
44.0													44.0	
Reeving		4				3			3		3	3	Reeving	
Hook		60 t											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 Main boom

Unit: tons

Outriggers fully extended (8 m), with 7 tons counterweight, over sides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	12.5 ★	16.8	16.8	16.8	16.8 ★		21.1	21.1	21.1	21.1	21.1 ★			
2.5	110**											2.5		
3.0	80.0*	39.0	60.0	70.0	70.0		24.0	42.0	59.0	65.0	65.0	3.0		
3.5	78.0*	37.0	59.0	70.0	70.0		23.0	41.0	57.0	65.0	65.0	3.5		
4.0	74.0*	35.0	57.5	70.0	70.0		22.0	40.0	55.0	65.0	65.0	4.0		
4.5	66.0	32.5	54.5	65.0	65.0		21.0	38.0	51.0	65.0	65.0	4.5		
5.0	59.0	30.5	51.0	60.0	60.0		20.0	36.0	48.0	60.0	60.0	5.0		
5.5	54.0	28.5	48.0	57.0	57.0		19.0	33.0	44.0	56.0	56.0	5.5		
6.0	50.0	27.6	45.0	54.0	54.0		18.0	31.0	42.0	52.0	52.0	6.0		
7.0	42.0	24.5	40.0	45.0	44.0		16.0	28.0	36.5	45.0	44.0	7.0		
8.0	32.0	22.3	35.0	34.0	33.5		15.0	25.0	33.0	34.0	33.0	8.0		
9.0	25.0	20.8	27.5	27.0	26.5		13.5	23.5	28.0	27.0	26.0	9.0		
10.0		19.0	22.5	22.0	21.5		12.5	21.5	23.0	22.5	21.0	10.0		
11.0		18.5	19.0	18.5	18.0		11.5	20.0	19.5	18.5	17.0	11.0		
12.0		16.5	16.0	15.5	15.0		11.0	17.5	16.5	16.0	14.5	12.0		
14.0							9.5	13.0	12.5	12.0	10.5	14.0		
16.0							8.7	10.5	9.6	9.1	8.0	16.0		
18.0												18.0		
Reeving	12	12						10					Reeving	
Hook	60 t											Hook		
Telescoping mode	I	1	1	1	1	1		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	1	2		1	1	1	2	2	II	
	III	1	1	1	2	1		1	1	2	2	1	III	
	IV	1	1	2	1	1		1	2	2	1	1	IV	
	V	1	2	1	1	1		3	2	1	1	1	V	

Table 18 Main boom

Unit: tons

Outriggers fully extended (8 m), with 7 tons counterweight, over sides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	25.4	25.4	25.4	25.4	25.4 ★		29.7	29.7	29.7	29.7	29.7 ★			
3.0												3.0		
3.5												3.5		
4.0	25.0	27.0	42.0	51.0	51.0							4.0		
4.5	24.0	25.5	41.0	49.0	51.0							4.5		
5.0	23.0	24.5	39.0	46.0	51.0		21.0	25.0	27.7	43.0	44.0	5.0		
5.5	22.0	23.5	37.0	44.0	51.0		20.0	24.0	26.0	41.0	44.0	5.5		
6.0	21.0	22.0	35.5	42.0	51.0		19.5	23.0	24.5	39.0	44.0	6.0		
7.0	19.5	19.5	33.0	39.0	45.0		17.0	20.5	21.5	35.0	42.0	7.0		
8.0	17.0	17.0	30.0	35.5	34.0		15.5	18.5	19.7	32.0	35.0	8.0		
9.0	15.5	15.5	27.0	28.5	26.5		14.0	17.0	18.0	29.5	27.5	9.0		
10.0	14.0	14.3	24.0	23.0	21.5		13.0	15.5	16.5	24.0	22.5	10.0		
11.0	13.0	13.2	20.5	19.5	18.0		11.5	14.5	15.0	20.5	19.0	11.0		
12.0	12.0	12.3	17.5	16.5	15.0		10.5	13.5	14.0	17.5	16.0	12.0		
14.0	10.5	10.8	13.5	12.5	11.0		9.3	12.0	12.0	13.5	12.0	14.0		
16.0	9.3	9.5	10.5	10.0	8.5		8.3	10.5	10.5	10.5	9.4	16.0		
18.0	8.3	8.5	8.7	7.8	6.5		7.3	9.1	8.9	8.5	7.3	18.0		
20.0	7.5	7.5	7.0	6.2	5.0		6.5	7.5	7.3	7.0	5.8	20.0		
22.0							6.0	6.2	6.0	5.7	4.5	22.0		
24.0							5.1	5.2	5.0	4.7	3.5	24.0		
26.0												26.0		
Reeving	8						7					Reeving		
Hook	60 t											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 Main boom

Unit: tons

Outriggers fully extended (8 m), with 7 tons counterweight, over sides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	34.0	34.0	34.0	34.0	34.0 ★		38.3	38.3	38.3	38.3	38.3 ★			
3.0												3.0		
3.5												3.5		
4.0												4.0		
4.5												4.5		
5.0												5.0		
5.5												5.5		
6.0	20.2	22.0	27.0	29.5	40.0							6.0		
7.0	18.5	20.0	24.5	27.0	37.5		17.5	21.5	25.5	29.5	30.6	7.0		
8.0	17.0	18.0	21.0	24.5	33.5		16.0	19.5	23.0	27.5	28.3	8.0		
9.0	15.5	16.5	19.3	22.3	29.0		14.5	18.0	21.0	24.8	25.3	9.0		
10.0	14.0	15.0	17.5	20.5	23.8		13.5	16.6	19.4	23.0	23.0	10.0		
11.0	13.0	14.0	16.0	18.5	20.0		12.3	15.2	17.5	20.2	19.6	11.0		
12.0	12.2	13.0	15.2	17.5	17.0		11.5	14.1	16.2	17.1	16.7	12.0		
14.0	10.5	11.2	13.2	13.5	13.0		10.0	12.0	13.8	13.0	12.5	14.0		
16.0	9.2	10.0	11.0	10.6	10.1		9.0	10.5	10.8	10.1	9.7	16.0		
18.0	8.2	8.5	8.8	8.5	8.0		8.0	9.1	8.7	8.0	7.6	18.0		
20.0	7.4	7.4	7.1	6.8	6.4		7.1	7.4	7.0	6.4	6.0	20.0		
22.0	6.7	6.3	5.8	5.6	5.2		6.2	6.2	5.8	5.1	4.8	22.0		
24.0	5.6	5.3	4.8	4.6	4.2		5.4	5.1	4.7	4.1	3.8	24.0		
26.0	4.8	4.4	4.0	3.8	3.4		4.8	4.3	3.9	3.3	3.0	26.0		
28.0	4.1	3.7	3.3	3.1	2.7		4.1	3.6	3.2	2.6	2.3	28.0		
30.0							3.5	3.0	2.6	2.0	1.7	30.0		
32.0							3.0	2.5	2.1	1.5	1.2	32.0		
34.0												34.0		
Reeving	6						5					Reeving		
Hook	60 t											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 Main boom

Unit: tons

Outriggers fully extended (8 m), with 7 tons counterweight, over sides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	42.6	42.6	42.6	42.6 ★	46.9	46.9	46.9 ★	51.2	51.2 ★	55.5 ★	58.5 ★			
3.0												3.0		
3.5												3.5		
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												8.0		
9.0	16.5	19.0	22.0	24.0								9.0		
10.0	15.2	17.5	20.0	22.0	15.5	18.2	19.5					10.0		
11.0	14.0	16.0	18.0	19.5	14.3	16.8	18.0	13.0	14.5			11.0		
12.0	13.0	15.0	16.0	16.8	13.5	16.2	16.5	12.5	14.0			12.0		
14.0	11.2	12.5	13.2	12.6	12.0	13.0	13.0	11.5	12.5	10.5	9.7	14.0		
16.0	10.0	11.0	10.4	9.8	10.5	11.0	10.0	10.0	10.3	9.7	9.0	16.0		
18.0	8.5	9.0	8.2	7.6	9.0	8.6	7.9	9.0	8.3	8.8	8.7	18.0		
20.0	7.5	7.4	6.6	6.0	7.8	7.0	6.3	7.4	6.6	7.1	7.1	20.0		
22.0	6.6	6.1	5.4	4.8	6.4	5.6	5.0	6.1	5.4	5.8	5.8	22.0		
24.0	5.5	5.0	4.3	3.8	5.4	4.6	4.0	5.0	4.3	4.7	4.8	24.0		
26.0	4.7	4.2	3.5	3.0	4.5	3.8	3.2	4.2	3.5	3.9	4.0	26.0		
28.0	4.0	3.5	2.8	2.3	3.8	3.1	2.5	3.5	2.8	3.2	3.3	28.0		
30.0	3.4	2.9	2.2	1.7	3.2	2.5	1.9	2.9	2.2	2.6	2.7	30.0		
32.0	2.8	2.4	1.7	1.2	2.7	2.0	1.4	2.4	1.7	2.0	2.1	32.0		
34.0	2.4	2.0	1.3	0.9	2.3	1.6	1.0	1.9	1.3	1.6	1.7	34.0		
36.0								1.5	1.0	1.2	1.3	36.0		
38.0										1.0	1.1	38.0		
40.0												40.0		
Reeving	4				3			3		3	3	Reeving		
Hook	60 t											Hook		
Telescoping mode	I	1	1	2	3	1	2	3	2	3	3	4	I	Telescoping mode
	II	2	3	3	3	3	3	3	3	3	3	4	II	
	III	3	3	3	2	3	3	3	3	3	3	4	III	
	IV	3	3	2	2	3	3	2	3	3	3	4	IV	
	V	3	2	2	2	3	2	2	3	2	3	4	V	

Table 21 Main boom

Unit: tons

Outriggers fully extended (8 m), with 3 tons counterweight, over sides and rear														
Radius (m)	Main boom length (m)										Radius (m)			
	12.5★	16.8	16.8	16.8	16.8 ★		21.1	21.1	21.1	21.1		21.1 ★		
2.5	110**											2.5		
3.0	80.0*	39.0	60.0	70.0	70.0		24.0	42.0	59.0	65.0	65.0	3.0		
3.5	76.0*	37.0	59.0	70.0	70.0		23.0	41.0	57.0	65.0	65.0	3.5		
4.0	71.0*	35.0	57.5	70.0	70.0		22.0	40.0	55.0	65.0	65.0	4.0		
4.5	64.0	32.5	54.5	65.0	65.0		21.0	38.0	51.0	65.0	65.0	4.5		
5.0	58.0	30.5	51.0	60.0	60.0		20.0	36.0	48.0	60.0	60.0	5.0		
5.5	53.0	28.5	48.0	57.0	57.0		19.0	33.0	44.0	56.0	56.0	5.5		
6.0	49.0	27.6	45.0	54.0	54.0		18.0	31.0	41.0	52.0	52.0	6.0		
7.0	38.0	24.5	40.0	39.5	38.5		16.0	28.0	36.5	40.0	38.0	7.0		
8.0	28.0	22.3	30.0	29.5	29.0		15.0	25.0	31.0	30.0	28.0	8.0		
9.0	22.0	20.8	24.0	23.5	23.0		13.5	23.5	24.5	23.5	22.0	9.0		
10.0		19.0	19.5	19.0	18.5		12.5	21.0	20.0	19.0	17.6	10.0		
11.0		16.5	16.0	15.5	15.0		11.5	17.5	16.6	15.8	14.5	11.0		
12.0		14.0	13.5	13.0	12.5		11.0	15.0	14.1	13.3	12.0	12.0		
14.0							9.5	11.0	10.5	9.7	8.5	14.0		
16.0							8.7	8.5	8.0	7.2	6.0	16.0		
18.0												18.0		
Reeving	12	12						10					Reeving	
Hook	60 t											Hook		
Telescoping mode	I	1	1	1	1	1		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	1	2		1	1	1	2	2	II	
	III	1	1	1	2	1		1	1	2	2	1	III	
	IV	1	1	2	1	1		1	2	2	1	1	IV	
	V	1	2	1	1	1		3	2	1	1	1	V	

Table 22 Main boom

Unit: tons

Outriggers fully extended (8 m), with 3 tons counterweight, over sides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	25.4	25.4	25.4	25.4	25.4 ★		29.7	29.7	29.7	29.7	29.7 ★			
3.0												3.0		
3.5												3.5		
4.0	25.0	27.0	42.0	51.0	51.0							4.0		
4.5	24.0	25.5	41.0	49.0	51.0							4.5		
5.0	23.0	24.5	39.0	46.0	51.0		21.0	25.0	27.7	43.0	44.0	5.0		
5.5	22.0	23.5	37.0	44.0	51.0		20.0	24.0	26.0	41.0	44.0	5.5		
6.0	21.0	22.0	35.5	42.0	51.0		19.5	23.0	24.5	39.0	44.0	6.0		
7.0	19.5	19.5	31.0	39.0	39.0		17.0	20.5	21.5	35.0	40.0	7.0		
8.0	17.0	17.0	28.7	31.0	29.0		15.5	18.5	19.7	31.0	30.0	8.0		
9.0	15.5	15.5	25.6	24.5	23.0		14.0	17.0	18.0	25.5	24.0	9.0		
10.0	14.0	14.3	21.0	20.0	18.6		13.0	15.5	16.5	21.0	19.5	10.0		
11.0	13.0	13.2	17.7	16.6	15.3		11.5	14.5	15.0	17.5	16.0	11.0		
12.0	12.0	12.2	15.1	14.1	12.8		10.5	13.5	13.5	15.0	13.5	12.0		
14.0	10.5	10.7	11.5	10.5	9.2		9.3	11.5	11.5	11.4	10.0	14.0		
16.0	9.3	9.3	8.9	8.0	6.7		8.3	9.3	9.0	8.7	7.4	16.0		
18.0	7.5	7.3	7.0	6.1	4.8		7.3	7.4	7.2	7.8	5.6	18.0		
20.0	6.0	5.8	5.5	4.7	3.5		6.5	6.0	5.8	5.4	4.2	20.0		
22.0							5.3	4.9	4.7	4.3	3.1	22.0		
24.0							4.4	4.0	3.8	3.4	2.2	24.0		
26.0												26.0		
Reeving	8							7					Reeving	
Hook	60 t												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 Main boom

Unit: tons

Outriggers fully extended (8 m), with 3 tons counterweight, over sides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	34.0	34.0	34.0	34.0	34.0 ★		38.3	38.3	38.3	38.3	38.3 ★			
3.0												3.0		
3.5												3.5		
4.0												4.0		
4.5												4.5		
5.0												5.0		
5.5												5.5		
6.0	20.2	22.0	27.0	29.5	40.0							6.0		
7.0	18.5	20.0	24.5	27.0	36.0		17.5	21.0	25.0	28.0	29.5	7.0		
8.0	17.0	18.0	21.0	24.5	31.5		16.0	19.0	22.0	25.5	27.0	8.0		
9.0	15.5	16.5	19.3	22.3	25.0		14.0	18.0	19.8	23.5	24.5	9.0		
10.0	14.0	15.0	17.5	20.5	20.5		13.0	16.0	18.2	20.5	20.0	10.0		
11.0	13.0	14.0	16.0	18.0	17.2		12.0	14.5	16.8	17.0	16.6	11.0		
12.0	12.2	13.0	15.2	15.2	14.6		11.0	13.5	15.4	14.5	14.1	12.0		
14.0	10.5	10.5	11.5	11.4	10.8		9.5	11.6	11.6	10.8	10.4	14.0		
16.0	9.2	9.1	9.0	8.7	8.2		8.4	9.4	8.9	8.2	7.8	16.0		
18.0	8.0	7.6	7.1	6.8	6.3		7.4	7.4	7.0	6.3	5.9	18.0		
20.0	6.5	6.1	5.7	5.4	5.0		6.5	6.0	5.6	4.9	4.5	20.0		
22.0	5.4	5.0	4.6	4.3	3.9		5.4	4.9	4.5	3.8	3.4	22.0		
24.0	4.5	4.1	3.7	3.4	3.0		4.5	3.9	3.6	3.0	2.6	24.0		
26.0	3.7	3.4	3.0	2.7	2.3		3.8	3.2	2.8	2.2	1.8	26.0		
28.0	3.1	2.8	2.4	2.1	1.7		3.1	2.6	2.2	1.7	1.3	28.0		
30.0							2.6	2.1	1.7	1.2	1.0	30.0		
32.0												32.0		
Reeving	6						5					Reeving		
Hook	60 t											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 25 Main boom + tip boom

Unit: tons

Outriggers fully extended (8 m), with 23 tons counterweight, over sides and rear													
Radius (m)	Main boom length 3.0 m, boom angle 30°											Radius (m)	
	12.5★	16.8	16.8	16.8	16.8★		21.1	21.1	21.1	21.1	21.1★		
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		15.5	16.0	16.0	16.0	16.0	5.0	
5.5	16.0	16.0	16.0	16.0	16.0		15.0	16.0	16.0	16.0	16.0	5.5	
6.0	16.0	16.0	16.0	16.0	16.0		14.0	16.0	16.0	16.0	16.0	6.0	
7.0	16.0	15.5	16.0	16.0	16.0		13.0	16.0	16.0	16.0	16.0	7.0	
8.0	15.5	14.5	16.0	16.0	16.0		12.0	16.0	16.0	16.0	16.0	8.0	
9.0	15.0	13.5	16.0	16.0	16.0		11.0	15.0	16.0	16.0	16.0	9.0	
10.0	14.5	13.0	15.5	15.5	15.5		10.0	14.0	16.0	16.0	16.0	10.0	
11.0	14.0	12.0	15.0	15.0	15.0		9.5	13.5	16.0	16.0	16.0	11.0	
12.0	13.5	11.5	14.5	14.5	14.5		9.0	13.0	16.0	16.0	16.0	12.0	
14.0		10.5	14.0	14.0	14.0		8.0	12.0	15.5	15.5	15.0	14.0	
16.0							7.0	11.0	15.0	15.0	14.0	16.0	
18.0							6.5	10.0	14.0	13.5	12.5	18.0	
20.0												20.0	
Reeving	3											Reeving	
Hook	18 t (optional)											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 Main boom + tip boom

Unit: tons

Outriggers fully extended (8 m), with 23 tons counterweight, over sides and rear														
Radius (m)	Main boom length 3.0 m, boom angle 30°											Radius (m)		
	25.4	25.4	25.4	25.4	25.4 ★		29.7	29.7	29.7	29.7	29.7 ★			
3.0												3.0		
3.5												3.5		
4.0												4.0		
4.5												4.5		
5.0												5.0		
5.5	16.0	16.0	16.0	16.0	16.0							5.5		
6.0	15.0	16.0	16.0	16.0	16.0							6.0		
7.0	14.0	15.0	16.0	16.0	16.0		13.5	16.0	16.0	16.0	16.0	7.0		
8.0	13.0	14.0	16.0	16.0	16.0		12.2	15.0	16.0	16.0	16.0	8.0		
9.0	12.0	13.0	16.0	16.0	16.0		11.2	14.0	15.0	16.0	16.0	9.0		
10.0	11.0	12.0	15.0	16.0	16.0		10.2	13.0	14.0	16.0	16.0	10.0		
11.0	10.5	11.0	14.5	16.0	16.0		9.5	12.0	13.0	16.0	16.0	11.0		
12.0	9.5	10.0	14.0	16.0	16.0		9.0	11.5	12.0	15.5	16.0	12.0		
14.0	8.5	9.0	13.0	16.0	16.0		8.0	10.0	10.5	14.5	16.0	14.0		
16.0	7.5	8.0	12.0	15.5	15.5		7.0	9.0	9.5	13.5	15.0	16.0		
18.0	6.5	7.0	11.0	14.0	13.0		6.0	8.0	8.5	12.5	13.5	18.0		
20.0	6.0	6.5	10.5	12.0	11.0		5.5	7.3	7.5	11.5	11.5	20.0		
22.0	5.5	6.0	10.0	10.0	9.0		5.0	6.6	6.8	10.5	9.5	22.0		
24.0							4.5	6.0	6.2	9.0	8.0	24.0		
26.0							4.2	5.6	5.8	8.0	7.0	26.0		
28.0												28.0		
Reeving	3											Reeving		
Hook	18 t (optional)											Hook		
Telescoping mode	I	1	1	1	1	2		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	2	2		1	1	1	2	2	II	
	III	1	1	2	2	2		1	2	3	2	2	III	
	IV	2	3	2	2	1		3	3	2	2	2	IV	
	V	3	2	2	1	1		3	2	2	2	1	V	

Table 27 Main boom + tip boom

Unit: tons

Outriggers fully extended (8 m), with 23 tons counterweight, over sides and rear														
Radius (m)	Main boom length 3.0 m, boom angle 30°											Radius (m)		
	34.0	34.0	34.0	34.0	34.0 ★		38.3	38.3	38.3	38.3	38.3 ★			
3.0												3.0		
3.5												3.5		
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	12.5	14.0	16.0	16.0	16.0							8.0		
9.0	11.5	13.0	16.0	16.0	16.0		12.0	14.0	16.0	16.0	16.0	9.0		
10.0	10.5	12.0	15.0	16.0	16.0		11.0	13.0	15.5	16.0	16.0	10.0		
11.0	10.0	11.0	14.0	16.0	16.0		10.0	12.0	14.5	16.0	16.0	11.0		
12.0	9.5	10.0	13.0	15.0	16.0		9.5	11.5	13.5	16.0	16.0	12.0		
14.0	8.5	9.0	12.0	13.5	15.0		8.1	10.0	12.0	14.5	15.0	14.0		
16.0	7.5	8.0	10.5	12.0	14.0		7.2	9.0	10.5	13.0	13.5	16.0		
18.0	6.5	7.0	9.5	11.0	13.0		6.3	8.0	9.5	11.5	12.0	18.0		
20.0	6.0	6.5	8.5	10.0	12.0		5.7	7.0	8.5	10.5	11.0	20.0		
22.0	5.5	5.8	7.7	9.0	10.0		5.1	6.5	7.7	9.5	10.0	22.0		
24.0	5.0	5.3	7.0	8.2	8.6		4.6	6.0	7.0	8.5	8.5	24.0		
26.0	4.5	4.8	6.5	7.5	7.5		4.2	5.5	6.4	7.5	7.3	26.0		
28.0	4.2	4.5	6.0	6.8	6.5		3.8	5.1	5.8	6.5	6.1	28.0		
30.0	3.9	4.2	5.5	6.0	5.5		3.5	4.7	5.3	5.5	5.3	30.0		
32.0							3.2	4.2	4.9	4.8	4.5	32.0		
34.0							2.9	3.8	4.5	4.1	3.9	34.0		
36.0												36.0		
Reeving	3											Reeving		
Hook	18 t (optional)											Hook		
Telescoping mode	I	1	1	1	1	2		1	1	1	2	3	I	Telescoping mode
	II	1	1	2	3	2		1	2	3	3	2	II	
	III	2	3	3	2	2		3	3	3	2	2	III	
	IV	3	3	2	2	2		3	3	2	2	2	IV	
	V	3	2	2	2	2		3	2	2	2	2	V	

Table 28 Main boom + tip boom

Unit: tons

Outriggers fully extended (8 m), with 23 tons counterweight, over sides and rear														
Radius (m)	Main boom length 3.0 m, boom angle 30°											Radius (m)		
	42.6	42.6	42.6	42.6 ★	46.9	46.9	46.9 ★	51.2	51.2 ★	55.5 ★	58.5 ★			
3.0												3.0		
3.5												3.5		
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												8.0		
9.0												9.0		
10.0												10.0		
11.0	11.0	13.0	15.0	16.0								11.0		
12.0	10.0	12.0	14.0	15.5	10.5	12.0	13.0					12.0		
14.0	9.0	11.0	13.0	14.0	9.5	11.0	12.5	9.5	11.0			14.0		
16.0	8.0	9.5	11.5	12.5	8.5	10.0	11.5	8.5	10.0	8.5	8.0	16.0		
18.0	7.1	8.5	10.0	11.0	7.5	9.0	10.0	8.0	9.0	8.0	7.5	18.0		
20.0	6.4	7.7	9.1	10.0	7.0	8.1	9.1	7.5	8.2	7.5	7.0	20.0		
22.0	5.8	7.1	8.2	9.0	6.5	7.4	8.2	7.0	7.5	7.0	6.5	22.0		
24.0	5.2	6.5	7.6	8.0	5.7	6.7	7.6	6.5	7.0	6.5	6.0	24.0		
26.0	4.8	5.9	7.0	7.2	5.2	6.1	6.9	6.0	6.3	6.0	5.5	26.0		
28.0	4.4	5.3	6.4	6.2	4.8	5.5	6.2	5.5	5.7	5.5	5.0	28.0		
30.0	4.1	4.7	5.8	5.2	4.5	5.1	5.5	5.0	5.2	5.0	4.7	30.0		
32.0	3.8	4.4	5.0	4.5	4.2	4.7	4.8	4.5	4.7	4.7	4.4	32.0		
34.0	3.5	4.1	4.3	3.8	3.9	4.3	4.1	4.2	4.2	4.4	4.1	34.0		
36.0	3.3	3.9	3.7	3.3	3.6	3.9	3.5	3.9	3.7	4.1	3.8	36.0		
38.0	3.1	3.7	3.2	2.9	3.3	3.5	3.0	3.6	3.2	3.8	3.5	38.0		
40.0					3.0	3.1	2.5	3.3	2.8	3.3	3.2	40.0		
42.0					2.8	2.7	2.0	3.0	2.4	2.9	2.8	42.0		
44.0								2.7	2.0	2.5	2.5	44.0		
46.0								2.4	1.7	2.1	2.2	46.0		
48.0										1.7	1.9	48.0		
50.0										1.4	1.6	50.0		
52.0											1.3	52.0		
54.0												54.0		
Reeving		3				2						Reeving		
Hook		18 t (optional)											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 Main boom + tip boom

Unit: tons

Outriggers fully extended (8 m), with 19 tons counterweight, over sides and rear													
Radius (m)	Main boom length 3.0 m, boom angle 30°											Radius (m)	
	12.5★	16.8	16.8	16.8	16.8★		21.1	21.1	21.1	21.1	21.1★		
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		15.5	16.0	16.0	16.0	16.0	5.0	
5.5	16.0	16.0	16.0	16.0	16.0		15.0	16.0	16.0	16.0	16.0	5.5	
6.0	16.0	16.0	16.0	16.0	16.0		14.0	16.0	16.0	16.0	16.0	6.0	
7.0	16.0	15.5	16.0	16.0	16.0		13.0	16.0	16.0	16.0	16.0	7.0	
8.0	15.5	14.5	16.0	16.0	16.0		12.0	16.0	16.0	16.0	16.0	8.0	
9.0	15.0	13.5	16.0	16.0	16.0		11.0	15.0	16.0	16.0	16.0	9.0	
10.0	14.5	13.0	15.5	15.5	15.5		10.0	14.0	16.0	16.0	16.0	10.0	
11.0	14.0	12.0	15.0	15.0	15.0		9.5	13.5	16.0	16.0	16.0	11.0	
12.0	13.5	11.5	14.5	14.5	14.5		9.0	13.0	16.0	16.0	16.0	12.0	
14.0		10.5	14.0	14.0	14.0		8.0	12.0	15.5	15.5	15.0	14.0	
16.0							7.0	11.0	15.0	15.0	14.0	16.0	
18.0							6.5	10.0	13.0	12.3	11.3	18.0	
20.0												20.0	
Reeving	3											Reeving	
Hook	18 t (optional)											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 Main boom + tip boom

Unit: tons

Outriggers fully extended (8 m), with 19 tons counterweight, over sides and rear														
Radius (m)	Main boom length 3.0 m, boom angle 30°											Radius (m)		
	25.4	25.4	25.4	25.4	25.4 ★		29.7	29.7	29.7	29.7	29.7 ★			
3.0												3.0		
3.5												3.5		
4.0												4.0		
4.5												4.5		
5.0												5.0		
5.5	16.0	16.0	16.0	16.0	16.0							5.5		
6.0	15.0	16.0	16.0	16.0	16.0							6.0		
7.0	14.0	15.0	16.0	16.0	16.0		13.5	16.0	16.0	16.0	16.0	7.0		
8.0	13.0	14.0	16.0	16.0	16.0		12.2	15.0	16.0	16.0	16.0	8.0		
9.0	12.0	13.0	16.0	16.0	16.0		11.2	14.0	15.0	16.0	16.0	9.0		
10.0	11.0	12.0	15.0	16.0	16.0		10.2	13.0	14.0	16.0	16.0	10.0		
11.0	10.5	11.0	14.5	16.0	16.0		9.5	12.0	13.0	16.0	16.0	11.0		
12.0	9.5	10.0	14.0	16.0	16.0		9.0	11.5	12.0	15.5	16.0	12.0		
14.0	8.5	9.0	13.0	16.0	16.0		8.0	10.0	10.5	14.5	16.0	14.0		
16.0	7.5	8.0	12.0	15.5	14.5		7.0	9.0	9.5	13.5	15.0	16.0		
18.0	6.5	7.0	11.0	12.9	11.8		6.0	8.0	8.5	12.5	12.5	18.0		
20.0	6.0	6.5	10.5	10.7	9.7		5.5	7.3	7.5	11.3	10.2	20.0		
22.0	5.5	6.0	9.7	9.0	8.0		5.0	6.6	6.8	9.6	8.6	22.0		
24.0							4.5	6.0	6.2	8.2	7.2	24.0		
26.0							4.2	5.6	5.8	7.1	6.1	26.0		
28.0												28.0		
Reeving	3											Reeving		
Hook	18 t (optional)											Hook		
Telescoping mode	I	1	1	1	1	2		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	2	2		1	1	1	2	2	II	
	III	1	1	2	2	2		1	2	3	2	2	III	
	IV	2	3	2	2	1		3	3	2	2	2	IV	
	V	3	2	2	1	1		3	2	2	2	1	V	

Table 31 Main boom + tip boom

Unit: tons

Outriggers fully extended (8 m), with 19 tons counterweight, over sides and rear														
Radius (m)	Main boom length 3.0 m, boom angle 30°										Radius (m)			
	34.0	34.0	34.0	34.0	34.0 ★		38.3	38.3	38.3	38.3		38.3 ★		
3.0												3.0		
3.5												3.5		
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	12.5	14.0	16.0	16.0	16.0							8.0		
9.0	11.5	13.0	16.0	16.0	16.0		12.0	14.0	16.0	16.0	16.0	9.0		
10.0	10.5	12.0	15.0	16.0	16.0		11.0	13.0	15.5	16.0	16.0	10.0		
11.0	10.0	11.0	14.0	16.0	16.0		10.0	12.0	14.5	16.0	16.0	11.0		
12.0	9.5	10.0	13.0	15.0	16.0		9.5	11.5	13.5	16.0	16.0	12.0		
14.0	8.5	9.0	12.0	13.5	15.0		8.1	10.0	12.0	14.5	15.0	14.0		
16.0	7.5	8.0	10.5	12.0	14.0		7.2	9.0	10.5	13.0	13.5	16.0		
18.0	6.5	7.0	9.5	11.0	13.0		6.3	8.0	9.5	11.5	12.0	18.0		
20.0	6.0	6.5	8.5	10.0	10.8		5.7	7.0	8.5	10.5	10.5	20.0		
22.0	5.5	5.8	7.7	9.0	9.2		5.1	6.5	7.7	9.1	8.8	22.0		
24.0	5.0	5.3	7.0	8.2	7.8		4.6	6.0	7.0	7.8	7.4	24.0		
26.0	4.5	4.8	6.5	7.1	6.7		4.2	5.5	6.4	6.6	6.3	26.0		
28.0	4.2	4.5	6.0	6.1	5.7		3.8	5.1	5.8	5.7	5.4	28.0		
30.0	3.9	4.2	5.5	5.2	4.9		3.5	4.7	5.3	4.9	4.6	30.0		
32.0							3.2	4.2	4.7	4.2	3.9	32.0		
34.0							2.9	3.8	4.1	3.6	3.3	34.0		
36.0												36.0		
Reeving	3											Reeving		
Hook	18 t (optional)											Hook		
Telescoping mode	I	1	1	1	1	2		1	1	1	2	3	I	Telescoping mode
	II	1	1	2	3	2		1	2	3	3	2	II	
	III	2	3	3	2	2		3	3	3	2	2	III	
	IV	3	3	2	2	2		3	3	2	2	2	IV	
	V	3	2	2	2	2		3	2	2	2	2	V	

Table 32 Main boom + tip boom

Unit: tons

Outriggers fully extended (8 m), with 19 tons counterweight, over sides and rear													
Radius (m)	Main boom length 3.0 m, boom angle 30°											Radius (m)	
	42.6	42.6	42.6	42.6 ★	46.9	46.9	46.9 ★	51.2	51.2 ★	55.5 ★	58.5 ★		
3.0												3.0	
3.5												3.5	
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												8.0	
9.0												9.0	
10.0												10.0	
11.0	11.0	13.0	15.0	16.0								11.0	
12.0	10.0	12.0	14.0	15.5	10.5	12.0	13.0					12.0	
14.0	9.0	11.0	13.0	14.0	9.5	11.0	12.5	9.5	11.0			14.0	
16.0	8.0	9.5	11.5	12.5	8.5	10.0	11.5	8.5	10.0	8.5	8.0	16.0	
18.0	7.1	8.5	10.0	11.0	7.5	9.0	10.0	8.0	9.0	8.0	7.5	18.0	
20.0	6.4	7.7	9.1	10.0	7.0	8.1	9.1	7.5	8.2	7.5	7.0	20.0	
22.0	5.8	7.1	8.2	8.8	6.5	7.4	8.2	7.0	7.5	7.0	6.5	22.0	
24.0	5.2	6.5	7.6	7.5	5.7	6.7	7.6	6.5	7.0	6.5	6.0	24.0	
26.0	4.8	5.9	6.8	6.3	5.2	6.1	6.5	6.0	6.3	6.0	5.5	26.0	
28.0	4.4	5.3	5.8	5.4	4.8	5.5	5.6	5.5	5.7	5.5	5.0	28.0	
30.0	4.1	4.7	5.0	4.6	4.5	5.1	4.8	5.0	5.0	5.0	4.7	30.0	
32.0	3.8	4.4	4.3	3.9	4.2	4.7	4.1	4.5	4.3	4.7	4.4	32.0	
34.0	3.5	4.1	3.7	3.3	3.9	4.0	3.5	4.2	3.7	4.1	4.1	34.0	
36.0	3.3	3.8	3.2	2.7	3.6	3.5	2.9	3.8	3.2	3.5	3.6	36.0	
38.0	3.1	3.3	2.7	2.3	3.3	3.0	2.5	3.3	2.7	3.0	3.1	38.0	
40.0					3.0	2.6	2.1	2.9	2.3	2.6	2.7	40.0	
42.0					2.8	2.2	1.7	2.5	1.9	2.2	2.3	42.0	
44.0								2.1	1.6	1.9	2.0	44.0	
46.0								1.8	1.3	1.6	1.7	46.0	
48.0										1.3	1.4	48.0	
50.0										1.0	1.1	50.0	
52.0												52.0	
Reeving	3				2							Reeving	
Hook	18 t (optional)											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
												Telescoping mode	

Table 33 Main boom + tip boom

Unit: tons

Outriggers fully extended (8 m), with 15 tons counterweight, over sides and rear													
Radius (m)	Main boom length 3.0 m, boom angle 30°											Radius (m)	
	12.5★	16.8	16.8	16.8	16.8★		21.1	21.1	21.1	21.1	21.1★		
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		15.5	16.0	16.0	16.0	16.0	5.0	
5.5	16.0	16.0	16.0	16.0	16.0		15.0	16.0	16.0	16.0	16.0	5.5	
6.0	16.0	16.0	16.0	16.0	16.0		14.0	16.0	16.0	16.0	16.0	6.0	
7.0	16.0	15.5	16.0	16.0	16.0		13.0	16.0	16.0	16.0	16.0	7.0	
8.0	15.5	14.5	16.0	16.0	16.0		12.0	16.0	16.0	16.0	16.0	8.0	
9.0	15.0	13.5	16.0	16.0	16.0		11.0	15.0	16.0	16.0	16.0	9.0	
10.0	14.5	13.0	15.5	15.5	15.5		10.0	14.0	16.0	16.0	16.0	10.0	
11.0	14.0	12.0	15.0	15.0	15.0		9.5	13.5	16.0	16.0	16.0	11.0	
12.0	13.5	11.5	14.5	14.5	14.5		9.0	13.0	16.0	16.0	16.0	12.0	
14.0		10.5	14.0	14.0	14.0		8.0	12.0	15.5	15.5	15.0	14.0	
16.0							7.0	11.0	14.0	13.5	12.5	16.0	
18.0							6.5	10.0	11.5	10.8	10.0	18.0	
20.0												20.0	
Reeving	3											Reeving	
Hook	18 t (optional)											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 Main boom + tip boom

Unit: tons

Outriggers fully extended (8 m), with 15 tons counterweight, over sides and rear														
Radius (m)	Main boom length 3.0 m, boom angle 30°											Radius (m)		
	25.4	25.4	25.4	25.4	25.4 ★		29.7	29.7	29.7	29.7	29.7 ★			
3.0												3.0		
3.5												3.5		
4.0												4.0		
4.5												4.5		
5.0												5.0		
5.5	16.0	16.0	16.0	16.0	16.0							5.5		
6.0	15.0	16.0	16.0	16.0	16.0							6.0		
7.0	14.0	15.0	16.0	16.0	16.0		13.5	16.0	16.0	16.0	16.0	7.0		
8.0	13.0	14.0	16.0	16.0	16.0		12.2	15.0	16.0	16.0	16.0	8.0		
9.0	12.0	13.0	16.0	16.0	16.0		11.2	14.0	15.0	16.0	16.0	9.0		
10.0	11.0	12.0	15.0	16.0	16.0		10.2	13.0	14.0	16.0	16.0	10.0		
11.0	10.5	11.0	14.5	16.0	16.0		9.5	12.0	13.0	16.0	16.0	11.0		
12.0	9.5	10.0	14.0	16.0	16.0		9.0	11.5	12.0	15.5	16.0	12.0		
14.0	8.5	9.0	13.0	16.0	16.0		8.0	10.0	10.5	14.5	16.0	14.0		
16.0	7.5	8.0	12.0	14.0	13.0		7.0	9.0	9.5	13.5	13.5	16.0		
18.0	6.5	7.0	11.0	11.5	10.5		6.0	8.0	8.5	12.0	11.0	18.0		
20.0	6.0	6.5	10.2	9.5	8.5		5.5	7.3	7.5	10.0	9.0	20.0		
22.0	5.5	6.0	8.7	8.0	7.0		5.0	6.6	6.8	8.6	7.5	22.0		
24.0							4.5	6.0	6.2	7.3	6.3	24.0		
26.0							4.2	5.6	5.8	6.3	5.2	26.0		
28.0												28.0		
Reeving	3											Reeving		
Hook	18 t (optional)											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 35 Main boom + tip boom

Unit: tons

Outriggers fully extended (8 m), with 15 tons counterweight, over sides and rear														
Radius (m)	Main boom length 3.0 m, boom angle 30°											Radius (m)		
	34.0	34.0	34.0	34.0	34.0 ★		38.3	38.3	38.3	38.3	38.3 ★			
3.0												3.0		
3.5												3.5		
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	12.5	14.0	16.0	16.0	16.0							8.0		
9.0	11.5	13.0	16.0	16.0	16.0		12.0	14.0	16.0	16.0	16.0	9.0		
10.0	10.5	12.0	15.0	16.0	16.0		11.0	13.0	15.5	16.0	16.0	10.0		
11.0	10.0	11.0	14.0	16.0	16.0		10.0	12.0	14.5	16.0	16.0	11.0		
12.0	9.5	10.0	13.0	15.0	16.0		9.5	11.5	13.5	16.0	16.0	12.0		
14.0	8.5	9.0	12.0	13.5	15.0		8.1	10.0	12.0	14.5	15.0	14.0		
16.0	7.5	8.0	10.5	12.0	14.0		7.2	9.0	10.5	13.0	13.5	16.0		
18.0	6.5	7.0	9.5	11.0	11.5		6.3	8.0	9.5	11.5	11.0	18.0		
20.0	6.0	6.5	8.5	10.0	9.6		5.7	7.0	8.5	9.6	9.3	20.0		
22.0	5.5	5.8	7.7	8.5	8.1		5.1	6.5	7.7	8.1	7.8	22.0		
24.0	5.0	5.3	7.0	7.2	6.8		4.6	6.0	7.0	6.8	6.5	24.0		
26.0	4.5	4.8	6.4	6.2	5.8		4.2	5.5	6.3	5.8	5.4	26.0		
28.0	4.2	4.5	5.5	5.3	4.9		3.8	5.1	5.4	4.9	4.6	28.0		
30.0	3.9	4.2	4.8	4.5	4.2		3.5	4.7	4.7	4.2	3.8	30.0		
32.0							3.2	4.2	4.0	3.5	3.2	32.0		
34.0							2.9	3.8	3.5	3.0	2.6	34.0		
36.0												36.0		
Reeving	3											Reeving		
Hook	18 t (optional)											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 36 Main boom + tip boom

Unit: tons

Outriggers fully extended (8 m), with 15 tons counterweight, over sides and rear														
Radius (m)	Main boom length 3.0 m, boom angle 30°											Radius (m)		
	42.6	42.6	42.6	42.6 ★	46.9	46.9	46.9 ★	51.2	51.2 ★	55.5 ★	58.5 ★			
3.0												3.0		
3.5												3.5		
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												8.0		
9.0												9.0		
10.0												10.0		
11.0	11.0	13.0	15.0	16.0								11.0		
12.0	10.0	12.0	14.0	15.5	10.5	12.0	13.0					12.0		
14.0	9.0	11.0	13.0	14.0	9.5	11.0	12.5	9.5	11.0			14.0		
16.0	8.0	9.5	11.5	12.5	8.5	10.0	11.5	8.5	10.0	8.5	8.0	16.0		
18.0	7.1	8.5	10.0	11.0	7.5	9.0	10.0	8.0	9.0	8.0	7.5	18.0		
20.0	6.4	7.7	9.1	9.3	7.0	8.1	9.1	7.5	8.2	7.5	7.0	20.0		
22.0	5.8	7.1	8.2	7.8	6.5	7.4	8.0	7.0	7.5	7.0	6.5	22.0		
24.0	5.2	6.5	7.0	6.5	5.7	6.7	6.7	6.5	7.0	6.5	6.0	24.0		
26.0	4.8	5.9	5.9	5.5	5.2	6.1	5.7	6.0	6.0	6.0	5.5	26.0		
28.0	4.4	5.3	5.1	4.6	4.8	5.3	4.8	5.4	5.1	5.4	5.0	28.0		
30.0	4.1	4.7	4.2	3.8	4.5	4.6	4.0	4.9	4.3	4.6	4.7	30.0		
32.0	3.8	4.3	3.6	3.2	4.2	3.9	3.3	4.2	3.7	3.9	4.0	32.0		
34.0	3.5	3.7	3.1	2.7	3.9	3.4	2.8	3.7	3.1	3.4	3.5	34.0		
36.0	3.3	3.1	2.6	2.2	3.5	2.9	2.3	3.2	2.6	2.9	3.0	36.0		
38.0	3.1	2.8	2.2	1.7	3.1	2.4	1.9	2.8	2.2	2.4	2.5	38.0		
40.0					2.7	2.0	1.5	2.4	1.8	2.0	2.1	40.0		
42.0					2.3	1.7	1.2	2.0	1.4	1.6	1.7	42.0		
44.0								1.7	1.1	1.3	1.4	44.0		
46.0										1.0	1.1	46.0		
48.0												48.0		
Reeving	3				2							Reeving		
Hook	18 t (optional)												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 37 Main boom + tip boom

Unit: tons

Outriggers fully extended (8 m), with 11 tons counterweight, over sides and rear													
Radius (m)	Main boom length 3.0 m, boom angle 30°											Radius (m)	
	12.5★	16.8	16.8	16.8	16.8★		21.1	21.1	21.1	21.1	21.1★		
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		15.5	16.0	16.0	16.0	16.0	5.0	
5.5	16.0	16.0	16.0	16.0	16.0		15.0	16.0	16.0	16.0	16.0	5.5	
6.0	16.0	16.0	16.0	16.0	16.0		14.0	16.0	16.0	16.0	16.0	6.0	
7.0	16.0	15.5	16.0	16.0	16.0		13.0	16.0	16.0	16.0	16.0	7.0	
8.0	15.5	14.5	16.0	16.0	16.0		12.0	16.0	16.0	16.0	16.0	8.0	
9.0	15.0	13.5	16.0	16.0	16.0		11.0	15.0	16.0	16.0	16.0	9.0	
10.0	14.5	13.0	15.5	15.5	15.5		10.0	14.0	16.0	16.0	16.0	10.0	
11.0	14.0	12.0	15.0	15.0	15.0		9.5	13.5	16.0	16.0	16.0	11.0	
12.0	13.5	11.5	14.5	14.5	14.5		9.0	13.0	16.0	16.0	16.0	12.0	
14.0		10.5	14.0	14.0	14.0		8.0	12.0	15.5	15.0	14.0	14.0	
16.0							7.0	11.0	12.5	11.8	10.8	16.0	
18.0							6.5	10.0	10.0	9.4	8.5	18.0	
20.0												20.0	
Reeving	3											Reeving	
Hook	18 t (optional)											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 Main boom + tip boom

Unit: tons

Outriggers fully extended (8 m), with 11 tons counterweight, over sides and rear														
Radius (m)	Main boom length 3.0 m, boom angle 30°											Radius (m)		
	25.4	25.4	25.4	25.4	25.4 ★		29.7	29.7	29.7	29.7	29.7 ★			
3.0												3.0		
3.5												3.5		
4.0												4.0		
4.5												4.5		
5.0												5.0		
5.5	16.0	16.0	16.0	16.0	16.0							5.5		
6.0	15.0	16.0	16.0	16.0	16.0							6.0		
7.0	14.0	15.0	16.0	16.0	16.0		13.5	16.0	16.0	16.0	16.0	7.0		
8.0	13.0	14.0	16.0	16.0	16.0		12.2	15.0	16.0	16.0	16.0	8.0		
9.0	12.0	13.0	16.0	16.0	16.0		11.2	14.0	15.0	16.0	16.0	9.0		
10.0	11.0	12.0	15.0	16.0	16.0		10.2	13.0	14.0	16.0	16.0	10.0		
11.0	10.5	11.0	14.5	16.0	16.0		9.5	12.0	13.0	16.0	16.0	11.0		
12.0	9.5	10.0	14.0	16.0	16.0		9.0	11.5	12.0	15.5	16.0	12.0		
14.0	8.5	9.0	13.0	15.5	14.5		8.0	10.0	10.5	14.5	15.0	14.0		
16.0	7.5	8.0	12.0	12.3	11.3		7.0	9.0	9.5	13.0	11.8	16.0		
18.0	6.5	7.0	10.7	10.0	9.0		6.0	8.0	8.5	10.5	9.5	18.0		
20.0	6.0	6.5	8.9	8.2	7.2		5.5	7.3	7.5	8.8	7.8	20.0		
22.0	5.5	6.0	7.5	6.8	5.8		5.0	6.6	6.8	7.3	6.3	22.0		
24.0							4.5	6.0	6.2	6.2	5.2	24.0		
26.0							4.2	5.6	5.5	5.2	4.2	26.0		
28.0												28.0		
Reeving	3											Reeving		
Hook	18 t (optional)											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 39 Main boom + tip boom

Unit: tons

Outriggers fully extended (8 m), with 11 tons counterweight, over sides and rear														
Radius (m)	Main boom length 3.0 m, boom angle 30°										Radius (m)			
	34.0	34.0	34.0	34.0	34.0 ★		38.3	38.3	38.3	38.3		38.3 ★		
3.0												3.0		
3.5												3.5		
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	12.5	14.0	16.0	16.0	16.0							8.0		
9.0	11.5	13.0	16.0	16.0	16.0		12.0	14.0	16.0	16.0	16.0	9.0		
10.0	10.5	12.0	15.0	16.0	16.0		11.0	13.0	15.5	16.0	16.0	10.0		
11.0	10.0	11.0	14.0	16.0	16.0		10.0	12.0	14.5	16.0	16.0	11.0		
12.0	9.5	10.0	13.0	15.0	16.0		9.5	11.5	13.5	16.0	16.0	12.0		
14.0	8.5	9.0	12.0	13.5	15.0		8.1	10.0	12.0	14.5	15.0	14.0		
16.0	7.5	8.0	10.5	12.0	12.5		7.2	9.0	10.5	12.5	12.0	16.0		
18.0	6.5	7.0	9.5	10.5	10.0		6.3	8.0	9.5	10.1	9.7	18.0		
20.0	6.0	6.5	8.5	8.7	8.3		5.7	7.0	8.5	8.3	7.9	20.0		
22.0	5.5	5.8	7.5	7.3	6.9		5.1	6.5	7.4	6.8	6.5	22.0		
24.0	5.0	5.3	6.3	6.1	5.7		4.6	6.0	6.2	5.7	5.3	24.0		
26.0	4.5	4.8	5.3	5.1	4.7		4.2	5.5	5.3	4.7	4.4	26.0		
28.0	4.2	4.5	4.5	4.3	3.9		3.8	4.8	4.5	3.9	3.6	28.0		
30.0	3.9	4.2	3.8	3.6	3.2		3.5	4.1	3.8	3.2	2.9	30.0		
32.0							3.2	3.5	3.2	2.7	2.3	32.0		
34.0							2.9	3.0	2.7	2.1	1.8	34.0		
36.0												36.0		
Reeving	3											Reeving		
Hook	18 t (optional)											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	

Outriggers fully extended (8 m), with 11 tons counterweight, over sides and rear														
Radius (m)	Main boom length 3.0 m, boom angle 30°											Radius (m)		
	42.6	42.6	42.6	42.6 ★	46.9	46.9	46.9 ★	51.2	51.2 ★	55.5 ★	58.5 ★			
3.0												3.0		
3.5												3.5		
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												8.0		
9.0												9.0		
10.0												10.0		
11.0	11.0	13.0	15.0	16.0								11.0		
12.0	10.0	12.0	14.0	15.5	10.5	12.0	13.0					12.0		
14.0	9.0	11.0	13.0	14.0	9.5	11.0	12.5	9.5	11.0			14.0		
16.0	8.0	9.5	11.5	12.0	8.5	10.0	11.5	8.5	10.0	8.5	8.0	16.0		
18.0	7.1	8.5	10.0	9.7	7.5	9.0	10.0	8.0	9.0	8.0	7.5	18.0		
20.0	6.4	7.7	8.5	8.0	7.0	8.1	8.3	7.5	8.2	7.5	7.0	20.0		
22.0	5.8	7.1	7.0	6.5	6.5	7.4	6.8	7.0	7.1	7.0	6.5	22.0		
24.0	5.2	6.5	5.9	5.4	5.7	6.2	5.6	6.3	5.9	6.2	6.0	24.0		
26.0	4.8	5.5	4.9	4.4	5.2	5.2	4.6	5.6	4.9	5.2	5.3	26.0		
28.0	4.4	4.7	4.1	3.6	4.8	4.4	3.8	4.7	4.0	4.4	4.5	28.0		
30.0	4.1	4.0	3.4	2.9	4.3	3.7	3.1	4.0	3.4	3.7	3.8	30.0		
32.0	3.8	3.4	2.8	2.3	3.7	3.1	2.5	3.4	2.8	3.1	3.2	32.0		
34.0	3.3	2.9	2.3	1.8	3.2	2.6	2.0	2.9	2.3	2.6	2.7	34.0		
36.0	2.8	2.4	1.8	1.3	2.7	2.1	1.5	2.4	1.8	2.1	2.2	36.0		
38.0	2.4	2.0	1.5	1.0	2.3	1.7	1.2	2.0	1.4	1.7	1.8	38.0		
40.0								1.6	1.0	1.3	1.4	40.0		
42.0										1.0	1.1	42.0		
44.0												44.0		
Reeving	3				2							Reeving		
Hook	18 t (optional)											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 41 Main boom + tip boom

Unit: tons

Outriggers fully extended (8 m), with 7 tons counterweight, over sides and rear													
Radius (m)	Main boom length 3.0 m, boom angle 30°											Radius (m)	
	12.5★	16.8	16.8	16.8	16.8★		21.1	21.1	21.1	21.1	21.1★		
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		15.5	16.0	16.0	16.0	16.0	5.0	
5.5	16.0	16.0	16.0	16.0	16.0		15.0	16.0	16.0	16.0	16.0	5.5	
6.0	16.0	16.0	16.0	16.0	16.0		14.0	16.0	16.0	16.0	16.0	6.0	
7.0	16.0	15.5	16.0	16.0	16.0		13.0	16.0	16.0	16.0	16.0	7.0	
8.0	15.5	14.5	16.0	16.0	16.0		12.0	16.0	16.0	16.0	16.0	8.0	
9.0	15.0	13.5	16.0	16.0	16.0		11.0	15.0	16.0	16.0	16.0	9.0	
10.0	14.5	13.0	15.5	15.5	15.5		10.0	14.0	16.0	16.0	16.0	10.0	
11.0	14.0	12.0	15.0	15.0	15.0		9.5	13.5	16.0	16.0	16.0	11.0	
12.0	13.5	11.5	14.5	14.5	14.5		9.0	13.0	16.0	16.0	16.0	12.0	
14.0		10.5	13.0	13.0	12.5		8.0	12.0	13.7	13.0	12.0	14.0	
16.0							7.0	11.0	10.5	10.0	9.1	16.0	
18.0							6.5	9.1	8.6	7.9	7.0	18.0	
20.0												20.0	
Reeving	3											Reeving	
Hook	18 t (optional)											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 Main boom + tip boom

Unit: tons

Outriggers fully extended (8 m), with 7 tons counterweight, over sides and rear														
Radius (m)	Main boom length 3.0 m, boom angle 30°											Radius (m)		
	25.4	25.4	25.4	25.4	25.4 ★		29.7	29.7	29.7	29.7	29.7 ★			
3.0												3.0		
3.5												3.5		
4.0												4.0		
4.5												4.5		
5.0												5.0		
5.5	16.0	16.0	16.0	16.0	16.0							5.5		
6.0	15.0	16.0	16.0	16.0	16.0							6.0		
7.0	14.0	15.0	16.0	16.0	16.0		13.5	16.0	16.0	16.0	16.0	7.0		
8.0	13.0	14.0	16.0	16.0	16.0		12.2	15.0	16.0	16.0	16.0	8.0		
9.0	12.0	13.0	16.0	16.0	16.0		11.2	14.0	15.0	16.0	16.0	9.0		
10.0	11.0	12.0	15.0	16.0	16.0		10.2	13.0	14.0	16.0	16.0	10.0		
11.0	10.5	11.0	14.5	16.0	16.0		9.5	12.0	13.0	16.0	16.0	11.0		
12.0	9.5	10.0	14.0	16.0	16.0		9.0	11.5	12.0	15.5	16.0	12.0		
14.0	8.5	9.0	13.0	13.5	12.5		8.0	10.0	10.5	14.0	13.0	14.0		
16.0	7.5	8.0	11.5	10.5	9.6		7.0	9.0	9.5	11.0	10.0	16.0		
18.0	6.5	7.0	9.3	8.5	7.5		6.0	8.0	8.5	9.0	8.0	18.0		
20.0	6.0	6.5	7.6	6.8	5.8		5.5	7.3	7.5	7.4	6.4	20.0		
22.0	5.5	6.0	6.3	5.5	4.5		5.0	6.6	6.4	6.1	5.1	22.0		
24.0							4.5	5.5	5.3	5.0	4.0	24.0		
26.0							4.2	4.6	4.4	4.2	3.2	26.0		
28.0												28.0		
Reeving	3											Reeving		
Hook	18 t (optional)											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 43 Main boom + tip boom

Unit: tons

Outriggers fully extended (8 m), with 7 tons counterweight, over sides and rear														
Radius (m)	Main boom length 3.0 m, boom angle 30°											Radius (m)		
	34.0	34.0	34.0	34.0	34.0 ★		38.3	38.3	38.3	38.3	38.3 ★			
3.0												3.0		
3.5												3.5		
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	12.5	14.0	16.0	16.0	16.0							8.0		
9.0	11.5	13.0	16.0	16.0	16.0		12.0	14.0	16.0	16.0	16.0	9.0		
10.0	10.5	12.0	15.0	16.0	16.0		11.0	13.0	15.5	16.0	16.0	10.0		
11.0	10.0	11.0	14.0	16.0	16.0		10.0	12.0	14.5	16.0	16.0	11.0		
12.0	9.5	10.0	13.0	15.0	16.0		9.5	11.5	13.5	16.0	16.0	12.0		
14.0	8.5	9.0	12.0	13.5	13.5		8.1	10.0	12.0	13.5	13.2	14.0		
16.0	7.5	8.0	10.5	11.2	10.7		7.2	9.0	10.5	10.5	10.2	16.0		
18.0	6.5	7.0	9.3	9.0	8.6		6.3	8.0	9.2	8.6	8.3	18.0		
20.0	6.0	6.5	7.6	7.3	6.9		5.7	7.0	7.5	6.9	6.5	20.0		
22.0	5.5	5.8	6.2	6.0	5.6		5.1	6.5	6.1	5.6	5.2	22.0		
24.0	5.0	5.3	5.2	5.0	4.6		4.6	5.4	5.1	4.5	4.2	24.0		
26.0	4.5	4.8	4.3	4.1	3.7		4.2	4.6	4.2	3.7	3.3	26.0		
28.0	4.2	4.0	3.6	3.3	3.0		3.8	3.8	3.5	2.9	2.6	28.0		
30.0	3.6	3.4	3.0	2.7	2.4		3.5	3.2	2.9	2.3	2.0	30.0		
32.0							3.1	2.7	2.3	1.8	1.5	32.0		
34.0							2.7	2.2	1.9	1.3	1.0	34.0		
36.0												36.0		
Reeving	3											Reeving		
Hook	18 t (optional)											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 Main boom + tip boom

Unit: tons

Outriggers fully extended (8 m), with 7 tons counterweight, over sides and rear														
Radius (m)	Main boom length 3.0 m, boom angle 30°											Radius (m)		
	42.6	42.6	42.6	42.6 ★	46.9	46.9	46.9 ★	51.2	51.2 ★	55.5 ★	58.5 ★			
3.0												3.0		
3.5												3.5		
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												8.0		
9.0												9.0		
10.0												10.0		
11.0	11.0	13.0	15.0	16.0								11.0		
12.0	10.0	12.0	14.0	15.5	10.5	12.0	13.0					12.0		
14.0	9.0	11.0	13.0	13.5	9.5	11.0	12.5	9.5	11.0			14.0		
16.0	8.0	9.5	10.9	10.5	8.5	10.0	10.5	8.5	10.0	8.5	8.0	16.0		
18.0	7.1	8.5	8.8	8.3	7.5	9.0	8.3	8.0	8.8	8.0	7.5	18.0		
20.0	6.4	7.7	7.1	6.6	7.0	7.4	6.7	7.5	7.1	7.5	7.0	20.0		
22.0	5.8	6.4	5.8	5.3	6.5	6.0	5.3	6.4	5.7	6.1	6.2	22.0		
24.0	5.2	5.3	4.7	4.2	5.7	5.0	4.3	5.3	4.7	5.0	5.1	24.0		
26.0	4.8	4.4	3.8	3.3	4.8	4.1	3.4	4.4	3.8	4.1	4.2	26.0		
28.0	4.1	3.7	3.1	2.6	4.0	3.4	2.7	3.7	3.1	3.4	3.5	28.0		
30.0	3.5	3.1	2.5	2.0	3.4	2.7	2.1	3.0	2.4	2.7	2.8	30.0		
32.0	3.0	2.6	2.0	1.5	2.9	2.2	1.6	2.5	1.9	2.2	2.3	32.0		
34.0	2.5	2.1	1.5	1.1	2.4	1.7	1.2	2.1	1.5	1.7	1.8	34.0		
36.0								1.7	1.1	1.3	1.4	36.0		
38.0										1.0	1.1	38.0		
40.0												40.0		
Reeving	3					2						Reeving		
Hook	18 t (optional)											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 45 Main boom + tip boom

Unit: tons

Outriggers fully extended (8 m), with 3 tons counterweight, over sides and rear													
Radius (m)	Main boom length 3.0 m, boom angle 30°											Radius (m)	
	12.5★	16.8	16.8	16.8	16.8★		21.1	21.1	21.1	21.1	21.1★		
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		15.5	16.0	16.0	16.0	16.0	5.0	
5.5	16.0	16.0	16.0	16.0	16.0		15.0	16.0	16.0	16.0	16.0	5.5	
6.0	16.0	16.0	16.0	16.0	16.0		14.0	16.0	16.0	16.0	16.0	6.0	
7.0	16.0	15.5	16.0	16.0	16.0		13.0	16.0	16.0	16.0	16.0	7.0	
8.0	15.5	14.5	16.0	16.0	16.0		12.0	16.0	16.0	16.0	16.0	8.0	
9.0	15.0	13.5	16.0	16.0	16.0		11.0	15.0	16.0	16.0	16.0	9.0	
10.0	14.5	13.0	15.5	15.5	15.5		10.0	14.0	16.0	16.0	16.0	10.0	
11.0	14.0	12.0	15.0	15.0	15.0		9.5	13.5	16.0	16.0	16.0	11.0	
12.0	13.5	11.5	14.5	14.5	14.0		9.0	13.0	15.5	14.8	13.5	12.0	
14.0		10.5	11.0	11.0	10.5		8.0	12.0	11.5	11.0	10.0	14.0	
16.0							7.0	9.5	9.0	8.3	7.3	16.0	
18.0							6.5	7.5	7.0	6.3	5.3	18.0	
20.0												20.0	
Reeving	3											Reeving	
Hook	18 t (optional)											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 Main boom + tip boom

Unit: tons

Outriggers fully extended (8 m), with 3 tons counterweight, over sides and rear														
Radius (m)	Main boom length 3.0 m, boom angle 30°											Radius (m)		
	25.4	25.4	25.4	25.4	25.4 ★		29.7	29.7	29.7	29.7	29.7 ★			
3.0												3.0		
3.5												3.5		
4.0												4.0		
4.5												4.5		
5.0												5.0		
5.5	16.0	16.0	16.0	16.0	16.0							5.5		
6.0	15.0	16.0	16.0	16.0	16.0							6.0		
7.0	14.0	15.0	16.0	16.0	16.0		13.5	16.0	16.0	16.0	16.0	7.0		
8.0	13.0	14.0	16.0	16.0	16.0		12.2	15.0	16.0	16.0	16.0	8.0		
9.0	12.0	13.0	16.0	16.0	16.0		11.2	14.0	15.0	16.0	16.0	9.0		
10.0	11.0	12.0	15.0	16.0	16.0		10.2	13.0	14.0	16.0	16.0	10.0		
11.0	10.5	11.0	14.5	16.0	16.0		9.5	12.0	13.0	16.0	16.0	11.0		
12.0	9.5	10.0	14.0	15.5	14.0		9.0	11.5	12.0	15.5	15.0	12.0		
14.0	8.5	9.0	12.5	11.5	10.5		8.0	10.0	10.5	12.0	11.0	14.0		
16.0	7.5	8.0	9.6	8.9	7.8		7.0	9.0	9.5	9.5	8.3	16.0		
18.0	6.5	7.0	7.6	6.9	5.9		6.0	8.0	7.8	7.5	6.4	18.0		
20.0	6.0	6.5	6.1	5.4	4.4		5.5	6.5	6.3	6.0	5.0	20.0		
22.0	5.5	5.3	5.0	4.2	3.2		5.0	5.4	5.2	4.9	3.9	22.0		
24.0							4.5	4.4	4.2	3.9	2.9	24.0		
26.0							4.0	3.6	3.4	3.1	2.1	26.0		
28.0												28.0		
Reeving	3											Reeving		
Hook	18 t (optional)											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 47 Main boom + tip boom

Unit: tons

Outriggers fully extended (8 m), with 3 tons counterweight, over sides and rear														
Radius (m)	Main boom length 3.0 m, boom angle 30°											Radius (m)		
	34.0	34.0	34.0	34.0	34.0 ★		38.3	38.3	38.3	38.3	38.3 ★			
3.0												3.0		
3.5												3.5		
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	12.5	14.0	16.0	16.0	16.0							8.0		
9.0	11.5	13.0	16.0	16.0	16.0		12.0	14.0	16.0	16.0	16.0	9.0		
10.0	10.5	12.0	15.0	16.0	16.0		11.0	13.0	15.5	16.0	16.0	10.0		
11.0	10.0	11.0	14.0	16.0	16.0		10.0	12.0	14.5	16.0	16.0	11.0		
12.0	9.5	10.0	13.0	15.0	15.5		9.5	11.5	13.5	15.5	15.0	12.0		
14.0	8.5	9.0	12.0	12.0	11.5		8.1	10.0	12.0	11.5	11.0	14.0		
16.0	7.5	8.0	9.6	9.4	9.0		7.2	9.0	9.5	9.0	8.5	16.0		
18.0	6.5	7.0	7.6	7.4	7.0		6.3	8.0	7.5	7.0	6.6	18.0		
20.0	6.0	6.5	6.0	5.8	5.5		5.7	6.4	6.0	5.5	5.1	20.0		
22.0	5.5	5.4	4.9	4.7	4.4		5.1	5.2	4.8	4.4	4.0	22.0		
24.0	4.8	4.5	4.0	3.7	3.4		4.6	4.3	3.9	3.4	3.0	24.0		
26.0	4.0	3.7	3.2	3.0	2.7		4.0	3.5	3.1	2.6	2.3	26.0		
28.0	3.4	3.1	2.6	2.4	2.1		3.3	2.9	2.5	2.0	1.7	28.0		
30.0	2.8	2.5	2.0	1.8	1.5		2.8	2.3	2.0	1.5	1.2	30.0		
32.0												32.0		
Reeving	3											Reeving		
Hook	18 t (optional)											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 48 Main boom + tip boom

Unit: tons

Outriggers fully extended (8 m), with 3 tons counterweight, over sides and rear													
Radius (m)	Main boom length 3.0 m, boom angle 30°											Radius (m)	
	42.6	42.6	42.6	42.6 ★	46.9	46.9	46.9 ★	51.2	51.2 ★	55.5 ★	58.5 ★		
3.0												3.0	
3.5												3.5	
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												8.0	
9.0												9.0	
10.0												10.0	
11.0	11.0	13.0	15.0	16.0								11.0	
12.0	10.0	12.0	14.0	15.0	10.5	12.0	13.0					12.0	
14.0	9.0	11.0	12.0	11.0	9.5	11.0	11.5	9.5	11.0			14.0	
16.0	8.0	9.5	9.0	8.6	8.5	9.5	8.8	8.5	9.0	8.5	8.0	16.0	
18.0	7.1	7.8	7.1	6.6	7.5	7.5	6.8	7.8	7.1	7.5	7.5	18.0	
20.0	6.4	6.3	5.6	5.1	6.7	6.0	5.3	6.3	5.6	6.0	6.1	20.0	
22.0	5.6	5.1	4.5	4.0	5.5	4.8	4.1	5.1	4.5	4.8	4.9	22.0	
24.0	4.6	4.2	3.5	3.0	4.5	3.8	3.2	4.1	3.5	3.8	3.9	24.0	
26.0	3.8	3.4	2.8	2.3	3.7	3.0	2.4	3.4	2.7	3.0	3.1	26.0	
28.0	3.2	2.8	2.1	1.7	3.1	2.4	1.8	2.7	2.1	2.4	2.5	28.0	
30.0	2.6	2.2	1.6	1.1	2.5	1.8	1.3	2.1	1.5	1.8	1.9	30.0	
32.0					2.0	1.4	0.9	1.7	1.1	1.4	1.5	32.0	
34.0										1.0	1.1	34.0	
36.0												36.0	
Reeving	3				2							Reeving	
Hook	18 t (optional)											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
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 Main boom

Unit: tons

Outriggers are Intermediately extended (5.3 m), with 23 tons counterweight, over sides and rear													
Radius (m)	Main boom length (m)											Radius (m)	
	12.5★	16.8	16.8	16.8	16.8 ★		21.1	21.1	21.1	21.1	21.1 ★		
3.0	70.0*	37.0	60.0	60.0	60.0		24.0	40.0	50.0	50.0	50.0	3.0	
3.5	67.0	35.0	58.0	58.0	58.0		23.0	38.0	50.0	50.0	50.0	3.5	
4.0	64.0	33.0	56.0	56.0	56.0		22.0	36.0	50.0	50.0	50.0	4.0	
4.5	60.0	31.0	53.0	53.0	53.0		21.0	34.0	48.0	48.0	50.0	4.5	
5.0	56.0	29.0	50.0	50.0	50.0		20.0	33.0	46.0	46.0	48.0	5.0	
5.5	52.0	28.0	47.0	47.0	48.0		19.0	31.5	43.0	43.0	45.0	5.5	
6.0	48.0	26.0	44.0	44.0	45.0		18.0	30.0	37.0	39.0	40.0	6.0	
7.0	36.0	24.0	38.0	38.0	39.0		16.0	28.0	31.0	33.0	34.0	7.0	
8.0	30.5	22.0	32.0	32.0	31.5		15.0	26.0	28.0	30.0	31.0	8.0	
9.0	24.5	20.5	26.0	26.0	25.5		13.5	24.0	26.0	26.5	25.0	9.0	
10.0		19.0	22.0	22.0	21.5		12.5	22.0	23.0	22.0	21.0	10.0	
11.0		18.0	19.0	18.5	18.0		11.5	20.0	20.0	19.0	17.5	11.0	
12.0		17.0	16.0	15.5	15.0		11.0	18.0	16.5	16.0	15.0	12.0	
14.0							9.8	14.0	13.0	12.5	11.0	14.0	
16.0							8.8	11.0	10.5	9.5	8.5	16.0	
18.0												18.0	
Reeving	12	12						10					Reeving
Hook	60 t												Hook
Telescoping mode	I	1	1	1	1	1		1	1	1	1	2	I
	II	1	1	1	1	2		1	1	1	2	2	II
	III	1	1	1	2	1		1	1	2	2	1	III
	IV	1	1	2	1	1		1	2	2	1	1	IV
	V	1	2	1	1	1		3	2	1	1	1	V
Telescoping mode													

Table 50 Main boom

Unit: tons

Outriggers are intermediately extended (5.3 m), with 23 tons counterweight, over sides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	25.4	25.4	25.4	25.4	25.4 ★		29.7	29.7	29.7	29.7	29.7 ★			
3.0												3.0		
3.5												3.5		
4.0	25.0	26.0	40.0	46.0	46.0							4.0		
4.5	24.0	24.5	38.0	46.0	46.0							4.5		
5.0	23.0	23.0	36.5	46.0	46.0		20.0	25.0	25.0	40.0	42.0	5.0		
5.5	21.5	21.5	35.0	44.0	46.0		19.0	24.0	24.0	38.0	42.0	5.5		
6.0	20.5	20.5	33.5	42.0	43.0		18.0	23.0	23.0	37.0	42.0	6.0		
7.0	18.5	18.5	31.0	37.0	38.0		16.0	20.5	20.5	34.5	40.0	7.0		
8.0	16.5	16.5	29.0	34.0	32.0		14.0	18.5	18.5	32.0	33.0	8.0		
9.0	15.5	15.0	26.5	27.5	26.0		13.0	17.0	17.0	28.5	27.0	9.0		
10.0	14.0	14.0	24.0	23.0	22.0		12.0	15.5	15.5	24.0	22.5	10.0		
11.0	13.0	13.0	20.9	20.0	18.5		11.0	14.5	14.5	20.5	19.0	11.0		
12.0	12.0	12.0	18.2	17.3	15.9		10.0	13.5	13.5	18.0	16.5	12.0		
14.0	10.5	10.5	14.2	13.4	12.0		9.0	12.0	12.0	14.0	12.5	14.0		
16.0	9.3	9.5	11.5	10.6	9.4		8.0	10.0	10.0	11.3	10.0	16.0		
18.0	8.3	8.5	9.4	8.6	7.4		7.2	9.0	9.0	9.3	8.0	18.0		
20.0	7.5	7.5	7.8	7.0	5.8		6.5	8.2	8.0	7.7	6.4	20.0		
22.0							5.9	6.9	6.7	6.4	5.3	22.0		
24.0												24.0		
Reeving	8						7					Reeving		
Hook	60 t											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 Main boom

Unit: tons

Outriggers are Intermediately extended (5.3 m), with 23 tons counterweight, over sides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	34.0	34.0	34.0	34.0	34.0 ★		38.3	38.3	38.3	38.3	38.3 ★			
3.0												3.0		
3.5												3.5		
4.0												4.0		
4.5												4.5		
5.0												5.0		
5.5												5.5		
6.0	19.0	20.0	25.0	29.0	38.0							6.0		
7.0	17.0	18.0	23.0	26.5	35.0		16.0	19.5	23.5	27.5	29.5	7.0		
8.0	15.5	16.5	21.0	24.0	33.0		14.5	18.0	21.5	25.0	27.0	8.0		
9.0	14.0	15.0	19.0	22.0	28.0		13.5	16.5	19.5	23.0	24.5	9.0		
10.0	13.0	14.0	18.0	20.0	23.5		12.5	15.5	18.0	21.5	22.5	10.0		
11.0	12.0	13.0	16.5	19.0	20.0		11.5	14.0	16.5	20.0	19.8	11.0		
12.0	11.0	12.0	15.5	17.5	17.5		10.5	13.0	15.5	17.5	17.2	12.0		
14.0	10.0	10.5	13.5	14.0	13.5		9.2	11.5	13.5	13.5	13.2	14.0		
16.0	9.0	9.0	11.5	11.0	10.8		8.1	10.0	11.5	10.8	10.4	16.0		
18.0	8.0	8.0	9.5	9.2	8.8		7.2	9.0	9.4	8.8	8.4	18.0		
20.0	7.0	7.0	7.9	7.6	7.2		6.5	8.0	7.8	7.2	6.8	20.0		
22.0	6.5	6.5	6.6	6.4	6.0		5.8	6.9	6.5	5.9	5.6	22.0		
24.0	6.0	6.0	5.6	5.4	5.0		5.3	5.9	5.5	4.9	4.6	24.0		
26.0	5.5	5.1	4.7	4.5	4.1		4.8	5.0	4.6	4.1	3.7	26.0		
28.0	4.8	4.4	4.0	3.8	3.4		4.4	4.3	3.9	3.4	3.0	28.0		
30.0							4.0	3.7	3.3	2.8	2.4	30.0		
32.0												32.0		
Reeving	6						5					Reeving		
Hook	60 t											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 Main boom

Unit: tons

Outriggers are Intermediately extended (5.3 m), with 23 tons counterweight, over slides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	42.6	42.6	42.6	42.6 ★	46.9	46.9	46.9 ★	51.2	51.2 ★	55.5 ★	58.5 ★			
3.0												3.0		
3.5												3.5		
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												8.0		
9.0	14.5	17.5	20.5	22.0								9.0		
10.0	13.5	16.0	19.0	20.5	14.5	16.5	18.5					10.0		
11.0	12.5	15.0	17.5	19.0	13.5	15.5	17.5	13.0	14.5			11.0		
12.0	11.5	14.0	16.5	17.0	12.5	14.5	16.5	12.5	14.0			12.0		
14.0	10.0	12.0	13.8	13.0	11.0	13.0	13.5	11.0	12.5	10.5	9.7	14.0		
16.0	9.0	10.5	11.0	10.5	9.5	11.0	10.8	10.0	11.0	9.7	9.0	16.0		
18.0	8.0	9.5	9.0	8.5	8.5	9.3	8.7	9.4	9.0	9.0	8.7	18.0		
20.0	7.3	8.0	7.4	6.9	8.0	7.8	7.2	8.1	7.4	7.8	7.9	20.0		
22.0	6.6	6.8	6.1	5.6	7.0	6.4	5.8	6.8	6.2	6.5	6.6	22.0		
24.0	6.0	5.8	5.1	4.6	6.0	5.4	4.8	5.8	5.2	5.4	5.5	24.0		
26.0	5.4	4.9	4.3	3.8	5.2	4.6	4.0	4.9	4.3	4.6	4.7	26.0		
28.0	4.6	4.2	3.6	3.1	4.5	3.8	3.3	4.2	3.6	3.9	4.0	28.0		
30.0	4.0	3.6	3.0	2.5	3.9	3.2	2.7	3.5	2.9	3.2	3.3	30.0		
32.0	3.5	3.0	2.4	1.9	3.4	2.7	2.2	3.0	2.4	2.7	2.8	32.0		
34.0	3.0	2.6	2.0	1.5	2.9	2.2	1.7	2.5	1.9	2.2	2.3	34.0		
36.0					2.5	1.8	1.3	2.1	1.5	1.8	1.9	36.0		
38.0					2.1	1.4	1.0	1.8	1.2	1.4	1.5	38.0		
40.0								1.4	0.9	1.1	1.2	40.0		
42.0												42.0		
Reeving	4				3			3		3	3	Reeving		
Hook	60 t												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 53 Main boom

Unit: tons

Outriggers are Intermediately extended (5.3 m), with 19 tons counterweight, over slides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	12.5★	16.8	16.8	16.8	16.8★		21.1	21.1	21.1	21.1	21.1★			
3.0	70.0*	37.0	60.0	60.0	60.0		24.0	40.0	50.0	50.0	50.0	3.0		
3.5	67.0	35.0	58.0	58.0	58.0		23.0	38.0	50.0	50.0	50.0	3.5		
4.0	64.0	33.0	56.0	56.0	56.0		22.0	36.0	50.0	50.0	50.0	4.0		
4.5	58.0	31.0	52.0	52.0	52.0		21.0	34.0	48.0	48.0	50.0	4.5		
5.0	54.0	29.0	48.0	48.0	48.0		20.0	33.0	46.0	46.0	48.0	5.0		
5.5	50.0	28.0	45.0	45.0	45.0		19.0	31.5	43.0	43.0	45.0	5.5		
6.0	46.0	26.0	42.0	42.0	42.0		18.0	30.0	37.0	39.0	40.0	6.0		
7.0	35.0	24.0	36.0	36.0	36.0		16.0	28.0	31.0	33.0	34.0	7.0		
8.0	27.5	22.0	29.5	29.0	28.0		15.0	26.0	28.0	29.0	27.5	8.0		
9.0	22.0	20.5	24.0	23.5	23.0		13.5	24.0	24.5	24.0	22.5	9.0		
10.0		19.0	20.0	19.5	19.0		12.5	21.5	20.5	20.0	18.5	10.0		
11.0		17.5	17.0	16.5	16.0		11.5	18.4	17.4	16.9	15.5	11.0		
12.0		15.0	14.5	14.0	13.5		11.0	16.0	15.0	14.5	13.0	12.0		
14.0							9.8	12.4	11.5	11.0	9.5	14.0		
16.0							8.8	9.8	9.2	8.5	7.4	16.0		
18.0												18.0		
Reeving	12	12					10					Reeving		
Hook	60 t											Hook		
Telescoping mode	I	1	1	1	1	1		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	1	2		1	1	1	2	2	II	
	III	1	1	1	2	1		1	1	2	2	1	III	
	IV	1	1	2	1	1		1	2	2	1	1	IV	
	V	1	2	1	1	1		3	2	1	1	1	V	

Table 54 Main boom

Unit: tons

Outriggers are intermediately extended (5.3 m), with 19 tons counterweight, over slides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	25.4	25.4	25.4	25.4	25.4 ★		29.7	29.7	29.7	29.7	29.7 ★			
3.0												3.0		
3.5												3.5		
4.0	25.0	26.0	40.0	46.0	46.0							4.0		
4.5	24.0	24.5	38.0	46.0	46.0							4.5		
5.0	23.0	23.0	36.5	46.0	46.0		20.0	25.0	25.0	40.0	42.0	5.0		
5.5	21.5	21.5	35.0	44.0	46.0		19.0	24.0	24.0	38.0	42.0	5.5		
6.0	20.5	20.5	33.5	42.0	43.0		18.0	23.0	23.0	37.0	42.0	6.0		
7.0	18.5	18.5	31.0	37.0	36.0		16.0	20.5	20.5	34.5	36.0	7.0		
8.0	16.5	16.5	29.0	30.0	28.5		14.0	18.5	18.5	31.0	29.5	8.0		
9.0	15.5	15.0	25.5	24.5	23.0		13.0	17.0	17.0	25.5	24.0	9.0		
10.0	14.0	14.0	21.5	20.5	19.0		12.0	15.5	15.5	21.5	20.0	10.0		
11.0	13.0	13.0	18.5	17.5	16.0		11.0	14.5	14.5	18.5	17.0	11.0		
12.0	12.0	12.0	16.0	15.0	14.0		10.0	13.5	13.5	16.0	14.5	12.0		
14.0	10.5	10.5	12.5	11.5	10.5		9.0	12.0	12.0	12.4	11.0	14.0		
16.0	9.3	9.5	10.0	9.2	8.0		8.0	10.0	10.0	9.9	8.7	16.0		
18.0	8.3	8.5	8.2	7.4	6.2		7.2	8.6	8.3	8.0	6.8	18.0		
20.0	7.2	7.0	6.7	5.9	4.7		6.5	7.1	6.8	6.5	5.4	20.0		
22.0							5.9	5.9	5.7	5.4	4.3	22.0		
24.0												24.0		
Reeving	8						7					Reeving		
Hook	60 t											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 Main boom

Unit: tons

Outriggers are Intermediately extended (5.3 m), with 19 tons counterweight, over sides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	34.0	34.0	34.0	34.0	34.0 ★		38.3	38.3	38.3	38.3	38.3 ★			
3.0												3.0		
3.5												3.5		
4.0												4.0		
4.5												4.5		
5.0												5.0		
5.5												5.5		
6.0	19.0	20.0	25.0	29.0	38.0							6.0		
7.0	17.0	18.0	23.0	26.5	35.0		16.0	19.5	23.5	27.5	29.5	7.0		
8.0	15.5	16.5	21.0	24.0	30.0		14.5	18.0	21.5	25.0	27.0	8.0		
9.0	14.0	15.0	19.0	22.0	25.0		13.5	16.5	19.5	23.0	24.5	9.0		
10.0	13.0	14.0	18.0	20.0	21.0		12.5	15.5	18.0	21.0	20.5	10.0		
11.0	12.0	13.0	16.5	18.0	17.5		11.5	14.0	16.5	18.0	17.5	11.0		
12.0	11.0	12.0	15.5	16.0	15.5		10.5	13.0	15.5	15.5	15.0	12.0		
14.0	10.0	10.5	12.5	12.0	11.5		9.2	11.5	12.5	11.8	11.5	14.0		
16.0	9.0	9.0	10.0	9.5	9.1		8.1	10.0	10.0	9.3	8.9	16.0		
18.0	8.0	8.0	8.2	7.9	7.5		7.2	8.5	8.0	7.4	7.0	18.0		
20.0	7.0	7.0	6.6	6.4	6.0		6.5	7.0	6.6	6.0	5.6	20.0		
22.0	6.4	6.0	5.6	5.4	5.0		5.8	5.9	5.5	4.9	4.5	22.0		
24.0	5.4	5.1	4.7	4.5	4.1		5.3	4.9	4.5	4.0	3.6	24.0		
26.0	4.6	4.3	3.9	3.7	3.3		4.6	4.2	3.8	3.3	2.9	26.0		
28.0	4.0	3.7	3.3	3.1	2.7		4.0	3.6	3.2	2.7	2.3	28.0		
30.0							3.4	3.0	2.6	2.1	1.7	30.0		
32.0												32.0		
Reeving	6						5					Reeving		
Hook	60 t											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 Main boom

Unit: tons

Outriggers are Intermediately extended (5.3 m), with 19 tons counterweight, over sides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	42.6	42.6	42.6	42.6 ★	46.9	46.9	46.9 ★	51.2	51.2 ★	55.5 ★	58.5 ★			
3.0												3.0		
3.5												3.5		
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												8.0		
9.0	14.5	17.5	20.5	22.0								9.0		
10.0	13.5	16.0	19.0	20.5	14.5	16.5	18.5					10.0		
11.0	12.5	15.0	17.5	17.5	13.5	15.5	17.5	13.0	14.5			11.0		
12.0	11.5	14.0	15.5	15.0	12.5	14.5	15.5	12.5	14.0			12.0		
14.0	10.0	12.0	12.0	11.5	11.0	12.5	11.5	11.0	11.5	10.5	9.2	14.0		
16.0	9.0	10.3	9.5	9.0	9.5	10.0	9.0	10.0	9.5	9.5	9.0	16.0		
18.0	8.0	8.4	7.6	7.1	8.5	8.0	7.4	8.5	7.8	8.0	8.2	18.0		
20.0	7.3	7.0	6.2	5.7	7.3	6.6	6.0	7.0	6.3	6.5	6.8	20.0		
22.0	6.3	5.8	5.1	4.6	6.2	5.4	4.8	5.8	5.1	5.5	5.6	22.0		
24.0	5.3	4.8	4.1	3.6	5.2	4.5	3.9	4.8	4.1	4.5	4.6	24.0		
26.0	4.5	4.0	3.4	2.9	4.4	3.7	3.1	4.1	3.4	3.7	3.8	26.0		
28.0	3.9	3.4	2.8	2.3	3.8	3.1	2.5	3.4	2.7	3.1	3.2	28.0		
30.0	3.3	2.8	2.2	1.7	3.2	2.5	1.9	2.8	2.1	2.5	2.6	30.0		
32.0	2.8	2.3	1.7	1.2	2.7	2.0	1.4	2.3	1.7	2.0	2.1	32.0		
34.0					2.3	1.6	1.0	1.9	1.3	1.6	1.7	34.0		
36.0								1.5	0.9	1.2	1.3	36.0		
38.0										0.9	1.0	38.0		
40.0												40.0		
Reeving	4				3			3		3	3	Reeving		
Hook	60 t											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 57 Main boom

Unit: tons

Outriggers are Intermediately extended (5.3 m), with 15 tons counterweight, over sides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	12.5★	16.8	16.8	16.8	16.8 ★		21.1	21.1	21.1	21.1	21.1 ★			
3.0	70.0*	37.0	60.0	60.0	60.0		24.0	40.0	50.0	50.0	50.0	3.0		
3.5	67.0	35.0	58.0	58.0	58.0		23.0	38.0	50.0	50.0	50.0	3.5		
4.0	63.0	33.0	56.0	56.0	56.0		22.0	36.0	50.0	50.0	50.0	4.0		
4.5	57.0	31.0	52.0	52.0	52.0		21.0	34.0	48.0	48.0	47.0	4.5		
5.0	52.0	29.0	48.0	48.0	48.0		20.0	33.0	46.0	46.0	44.0	5.0		
5.5	48.0	28.0	45.0	45.0	45.0		19.0	31.5	43.0	43.0	41.0	5.5		
6.0	42.0	26.0	41.0	41.0	41.0		18.0	30.0	37.0	39.0	37.0	6.0		
7.0	31.0	24.0	32.0	32.0	32.0		16.0	28.0	31.0	33.0	31.0	7.0		
8.0	24.0	22.0	26.0	25.5	25.0		15.0	26.0	26.7	25.7	24.2	8.0		
9.0	19.0	20.5	21.0	20.5	20.0		13.5	22.5	21.7	20.7	19.5	9.0		
10.0		18.0	17.5	17.0	16.5		12.5	18.7	18.0	17.0	15.8	10.0		
11.0		15.2	14.7	14.2	13.7		11.5	16.0	15.3	14.5	13.3	11.0		
12.0		13.0	12.5	12.0	11.5		11.0	13.7	13.0	12.2	11.0	12.0		
14.0							9.8	10.5	10.0	9.2	8.1	14.0		
16.0							8.6	8.3	7.8	7.0	5.9	16.0		
18.0												18.0		
Reeving	12	12					10					Reeving		
Hook	60 t											Hook		
Telescoping mode	I	1	1	1	1	1		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	1	2		1	1	1	2	2	II	
	III	1	1	1	2	1		1	1	2	2	1	III	
	IV	1	1	2	1	1		1	2	2	1	1	IV	
	V	1	2	1	1	1		3	2	1	1	1	V	

Table 58 Main boom

Unit: tons

Outriggers are Intermediately extended (5.3 m), with 15 tons counterweight, over sides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	25.4	25.4	25.4	25.4	25.4 ★		29.7	29.7	29.7	29.7	29.7 ★			
3.0												3.0		
3.5												3.5		
4.0	25.0	26.0	40.0	46.0	46.0							4.0		
4.5	24.0	24.5	38.0	46.0	46.0							4.5		
5.0	23.0	23.0	36.5	46.0	43.0		20.0	25.0	25.0	40.0	42.0	5.0		
5.5	21.5	21.5	35.0	43.0	41.0		19.0	24.0	24.0	38.0	40.0	5.5		
6.0	20.5	20.5	33.5	37.0	35.0		18.0	23.0	23.0	37.0	38.0	6.0		
7.0	18.5	18.5	31.0	33.0	31.0		16.0	20.5	20.5	34.0	32.0	7.0		
8.0	16.5	16.5	27.7	26.7	25.2		14.0	18.5	18.5	27.5	26.0	8.0		
9.0	15.5	15.0	22.7	21.7	20.2		13.0	17.0	17.0	22.5	21.0	9.0		
10.0	14.0	14.0	19.0	18.0	16.5		12.0	15.5	15.5	19.0	17.5	10.0		
11.0	13.0	13.0	16.0	15.2	14.0		11.0	14.5	14.5	16.0	14.5	11.0		
12.0	12.0	12.0	14.0	13.2	12.0		10.0	13.5	13.5	14.0	12.5	12.0		
14.0	10.5	10.5	10.8	10.0	8.8		9.0	11.3	11.0	10.5	9.5	14.0		
16.0	9.1	8.9	8.6	7.8	6.6		8.0	9.0	8.7	8.4	7.2	16.0		
18.0	7.3	7.1	6.8	6.1	4.9		7.2	7.3	7.0	6.7	5.6	18.0		
20.0	6.0	5.8	5.5	4.8	3.7		6.4	5.9	5.7	5.4	4.3	20.0		
22.0							5.4	4.9	4.7	4.4	3.3	22.0		
24.0												24.0		
Reeving	8						7					Reeving		
Hook	60 t											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 Main boom

Unit: tons

Outriggers are Intermediately extended (5.3 m), with 15 tons counterweight, over slides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	34.0	34.0	34.0	34.0	34.0 ★		38.3	38.3	38.3	38.3	38.3 ★			
3.0												3.0		
3.5												3.5		
4.0												4.0		
4.5												4.5		
5.0												5.0		
5.5												5.5		
6.0	19.0	20.0	25.0	29.0	38.0							6.0		
7.0	17.0	18.0	23.0	26.5	32.0		16.0	19.5	23.5	27.5	29.5	7.0		
8.0	15.5	16.5	21.0	24.0	26.0		14.5	18.0	21.5	25.0	25.5	8.0		
9.0	14.0	15.0	19.0	22.0	22.0		13.5	16.5	19.5	22.0	21.5	9.0		
10.0	13.0	14.0	18.0	19.0	18.0		12.5	15.5	18.0	18.5	18.0	10.0		
11.0	12.0	13.0	16.5	16.0	15.5		11.5	14.0	16.0	15.5	15.0	11.0		
12.0	11.0	12.0	14.0	13.5	13.0		10.5	13.0	14.0	13.5	13.0	12.0		
14.0	10.0	10.5	11.0	10.5	10.0		9.2	11.0	10.8	10.0	9.5	14.0		
16.0	8.8	9.0	8.7	8.4	8.0		8.1	9.0	8.5	8.0	7.5	16.0		
18.0	7.8	7.4	7.0	6.7	6.3		7.2	7.3	6.8	6.3	5.8	18.0		
20.0	6.5	6.1	5.7	5.4	5.0		6.5	6.0	5.5	5.0	4.5	20.0		
22.0	5.4	5.0	4.6	4.3	3.9		5.5	5.0	4.5	4.0	3.5	22.0		
24.0	4.6	4.2	3.8	3.5	3.1		4.6	4.1	3.6	3.1	2.6	24.0		
26.0	3.8	3.5	3.1	2.8	2.4		3.9	3.4	2.9	2.4	2.0	26.0		
28.0	3.2	2.9	2.5	2.2	1.8		3.3	2.8	2.3	1.8	1.5	28.0		
30.0							2.8	2.3	1.8	1.3	1.0	30.0		
32.0												32.0		
Reeving	6							5					Reeving	
Hook	60 t											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 Main boom

Unit: tons

Outriggers are Intermediately extended (5.3 m), with 15 tons counterweight, over sides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	42.6	42.6	42.6	42.6 ★	46.9	46.9	46.9 ★	51.2	51.2 ★	55.5 ★	58.5 ★			
3.0												3.0		
3.5												3.5		
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												8.0		
9.0	14.5	17.5	20.0	21.0								9.0		
10.0	13.5	16.0	18.5	18.0	14.5	16.5	17.5					10.0		
11.0	12.5	15.0	15.9	15.0	13.5	15.5	15.0	13.0	14.5			11.0		
12.0	11.5	14.0	13.5	13.0	12.5	14.0	13.0	12.5	13.0			12.0		
14.0	10.0	11.0	10.4	9.8	11.0	10.5	10.0	11.0	10.0	10.5	9.2	14.0		
16.0	9.0	8.8	8.1	7.6	9.2	8.5	8.0	8.9	8.0	8.5	8.6	16.0		
18.0	7.6	7.1	6.4	5.9	7.5	6.7	6.0	7.1	6.5	6.8	6.9	18.0		
20.0	6.3	5.8	5.1	4.6	6.1	5.5	4.8	5.8	5.1	5.5	5.6	20.0		
22.0	5.3	4.8	4.1	3.6	5.1	4.4	3.8	4.7	4.1	4.5	4.6	22.0		
24.0	4.4	3.9	3.2	2.8	4.2	3.6	3.0	3.9	3.2	3.6	3.7	24.0		
26.0	3.7	3.2	2.5	2.1	3.5	2.8	2.2	3.2	2.5	2.9	3.0	26.0		
28.0	3.0	2.6	2.0	1.6	3.0	2.2	1.7	2.6	2.0	2.3	2.4	28.0		
30.0	2.5	2.1	1.5	1.1	2.5	1.7	1.2	2.1	1.5	1.8	1.9	30.0		
32.0								1.6	1.0	1.3	1.4	32.0		
34.0										1.0	1.1	34.0		
36.0												36.0		
Reeving	4				3			3		3	3	Reeving		
Hook	60 t											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 61 Main boom

Unit: tons

Outriggers are Intermediately extended (5.3 m), with 11 tons counterweight, over slides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	12.5★	16.8	16.8	16.8	16.8 ★		21.1	21.1	21.1	21.1	21.1 ★			
3.0	70.0*	37.0	60.0	60.0	60.0		24.0	40.0	50.0	50.0	50.0	3.0		
3.5	65.0	35.0	58.0	58.0	58.0		23.0	38.0	50.0	50.0	50.0	3.5		
4.0	60.0	33.0	56.0	56.0	56.0		22.0	36.0	50.0	50.0	50.0	4.0		
4.5	54.0	31.0	52.0	52.0	52.0		21.0	34.0	48.0	48.0	47.0	4.5		
5.0	49.0	29.0	48.0	48.0	48.0		20.0	33.0	46.0	46.0	44.0	5.0		
5.5	44.0	28.0	44.0	44.0	44.0		19.0	31.5	43.0	43.0	41.0	5.5		
6.0	37.0	26.0	37.5	37.5	37.5		18.0	30.0	37.0	38.0	36.0	6.0		
7.0	27.0	24.0	29.0	28.5	27.5		16.0	28.0	29.5	28.0	27.0	7.0		
8.0	20.5	22.0	22.5	22.0	21.5		15.0	24.0	23.0	22.0	20.5	8.0		
9.0	16.5	18.5	18.0	17.5	17.0		13.5	19.5	18.5	17.5	16.5	9.0		
10.0		15.0	14.8	14.3	13.8		12.5	16.0	15.5	14.5	13.5	10.0		
11.0		13.0	12.5	12.0	11.5		11.5	13.5	13.0	12.0	11.0	11.0		
12.0		11.0	10.5	10.0	9.5		11.0	11.5	11.0	10.0	9.0	12.0		
14.0							9.3	9.0	8.5	7.5	6.5	14.0		
16.0							7.2	6.9	6.4	5.5	4.5	16.0		
18.0												18.0		
Reeving	12	12						10					Reeving	
Hook	60 t												Hook	
Telescoping mode	I	1	1	1	1	1		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	1	2		1	1	1	2	2	II	
	III	1	1	1	2	1		1	1	2	2	1	III	
	IV	1	1	2	1	1		1	2	2	1	1	IV	
	V	1	2	1	1	1		3	2	1	1	1	V	

Table 62 Main boom

Unit: tons

Outriggers are Intermediately extended (5.3 m), with 11 tons counterweight, over slides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	25.4	25.4	25.4	25.4	25.4 ★		29.7	29.7	29.7	29.7	29.7 ★			
3.0												3.0		
3.5												3.5		
4.0	25.0	26.0	40.0	46.0	46.0							4.0		
4.5	24.0	24.5	38.0	46.0	46.0							4.5		
5.0	23.0	23.0	36.5	46.0	43.0		20.0	25.0	25.0	40.0	42.0	5.0		
5.5	21.5	21.5	35.0	43.0	41.0		19.0	24.0	24.0	38.0	40.0	5.5		
6.0	20.5	20.5	33.5	37.0	35.0		18.0	23.0	23.0	35.0	36.0	6.0		
7.0	18.5	18.5	30.5	29.5	27.5		16.0	20.5	20.5	29.5	28.0	7.0		
8.0	16.5	16.5	24.0	23.0	21.5		14.0	18.5	18.5	24.0	22.5	8.0		
9.0	15.5	15.0	19.5	18.5	17.0		13.0	17.0	17.0	19.5	18.0	9.0		
10.0	14.0	14.0	16.5	15.5	14.0		12.0	15.5	15.5	16.0	15.0	10.0		
11.0	13.0	13.0	14.0	13.0	11.5		11.0	14.0	14.0	13.5	12.5	11.0		
12.0	12.0	12.0	12.0	11.0	9.9		10.0	12.5	12.0	11.5	10.5	12.0		
14.0	9.7	9.4	9.1	8.3	7.1		9.0	9.6	9.3	9.0	7.8	14.0		
16.0	7.7	7.4	7.1	6.3	5.1		8.0	7.5	7.3	7.0	5.8	16.0		
18.0	6.1	5.9	5.6	4.8	3.7		6.5	6.0	5.8	5.5	4.3	18.0		
20.0	5.0	4.8	4.4	3.7	2.6		5.3	4.8	4.6	4.3	3.2	20.0		
22.0							4.3	3.9	3.7	3.4	2.3	22.0		
24.0												24.0		
Reeving	8						7					Reeving		
Hook	60 t											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 Main boom

Unit: tons

Outriggers are Intermediately extended (5.3 m), with 11 tons counterweight, over sides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	34.0	34.0	34.0	34.0	34.0 ★		38.3	38.3	38.3	38.3	38.3 ★			
3.0												3.0		
3.5												3.5		
4.0												4.0		
4.5												4.5		
5.0												5.0		
5.5												5.5		
6.0	19.0	20.0	25.0	29.0	36.0							6.0		
7.0	17.0	18.0	23.0	26.5	28.5		16.0	20.0	23.5	27.0	27.0	7.0		
8.0	15.5	16.5	21.0	23.5	23.0		14.5	18.0	21.5	22.5	22.0	8.0		
9.0	14.0	15.0	19.0	19.5	19.0		13.5	16.5	19.5	19.0	18.0	9.0		
10.0	13.0	14.0	16.5	16.1	15.6		12.5	15.5	16.5	15.5	15.0	10.0		
11.0	12.0	13.0	14.0	13.6	13.1		11.5	14.0	14.0	13.0	12.5	11.0		
12.0	11.0	12.0	12.0	11.6	11.1		10.5	12.5	12.0	11.0	10.5	12.0		
14.0	9.8	9.8	9.3	9.0	8.6		9.2	9.6	9.2	8.5	8.1	14.0		
16.0	8.1	7.7	7.3	7.0	6.6		8.1	7.5	7.1	6.5	6.1	16.0		
18.0	6.6	6.2	5.8	5.5	5.1		6.6	6.0	5.6	5.0	4.6	18.0		
20.0	5.4	5.0	4.6	4.3	3.9		5.4	4.8	4.4	3.9	3.5	20.0		
22.0	4.4	4.0	3.6	3.3	3.0		4.5	3.9	3.5	3.0	2.6	22.0		
24.0	3.7	3.3	2.9	2.6	2.3		3.7	3.2	2.8	2.3	1.9	24.0		
26.0	3.0	2.7	2.3	2.0	1.7		3.1	2.6	2.2	1.7	1.3	26.0		
28.0	2.5	2.2	1.8	1.5	1.2		2.5	2.0	1.6	1.1	0.9	28.0		
30.0												30.0		
32.0												32.0		
Reeving	6						5					Reeving		
Hook	60 t											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 Main boom

Unit: tons

Outriggers are Intermediately extended (5.3 m), with 11 tons counterweight, over sides and rear													
Radius (m)		Main boom length (m)										Radius (m)	
		42.6	42.6	42.6	42.6 ★	46.9	46.9	46.9 ★	51.2	51.2 ★	55.5 ★		
3.0													3.0
3.5													3.5
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													8.0
9.0		14.5	17.0	18.5	18.0								9.0
10.0		13.5	15.5	16.1	15.5	14.0	16.0	15.5					10.0
11.0		12.5	14.5	13.6	13.0	13.0	14.0	13.0	13.0	13.0			11.0
12.0		11.5	12.5	11.6	11.0	12.0	12.0	11.0	12.0	11.5			12.0
14.0		10.0	9.5	8.8	8.2	10.0	9.2	8.5	9.5	8.8	9.1	9.1	14.0
16.0		8.0	7.5	6.8	6.2	7.9	7.1	6.4	7.5	6.8	7.1	7.3	16.0
18.0		6.4	5.9	5.2	4.7	6.3	5.6	4.9	6.0	5.3	5.6	5.7	18.0
20.0		5.3	4.8	4.1	3.6	5.1	4.4	3.8	4.8	4.1	4.4	4.5	20.0
22.0		4.3	3.8	3.1	2.6	4.2	3.5	2.9	3.8	3.1	3.5	3.6	22.0
24.0		3.5	3.1	2.4	1.9	3.4	2.7	2.1	3.0	2.4	2.7	2.8	24.0
26.0		2.9	2.4	1.8	1.3	2.8	2.1	1.5	2.4	1.8	2.1	2.2	26.0
28.0						2.3	1.5	1.0	1.9	1.3	1.5	1.6	28.0
30.0											1.1	1.2	30.0
32.0													32.0
Reeving		4				3			3		3	3	Reeving
Hook		60 t											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 Main boom

Unit: tons

Outriggers are Intermediately extended (5.3 m), with 7 tons counterweight, over slides and rear													
Radius (m)	Main boom length (m)											Radius (m)	
	12.5★	16.8	16.8	16.8	16.8★		21.1	21.1	21.1	21.1	21.1★		
3.0	70.0*	37.0	60.0	60.0	60.0		24.0	40.0	50.0	50.0	50.0	3.0	
3.5	62.0	35.0	58.0	58.0	58.0		23.0	38.0	50.0	50.0	50.0	3.5	
4.0	56.0	33.0	56.0	56.0	56.0		22.0	36.0	50.0	50.0	50.0	4.0	
4.5	50.0	31.0	52.0	52.0	52.0		21.0	34.0	48.0	48.0	46.0	4.5	
5.0	47.0	29.0	46.0	46.0	46.0		20.0	33.0	46.0	45.0	43.0	5.0	
5.5	38.0	28.0	39.0	39.0	38.0		19.0	31.5	39.0	38.0	36.0	5.5	
6.0	31.0	26.0	33.5	33.0	32.0		18.0	30.0	33.0	32.0	30.5	6.0	
7.0	22.5	24.0	24.5	24.0	23.0		16.0	25.0	25.0	24.0	22.5	7.0	
8.0	17.0	19.0	19.0	18.5	17.5		15.0	20.0	19.0	18.0	17.0	8.0	
9.0	13.0	15.5	15.0	14.5	14.0		13.5	16.0	15.0	14.5	13.5	9.0	
10.0		12.5	12.0	11.4	11.0		12.5	13.5	13.0	12.0	11.0	10.0	
11.0		10.5	10.0	9.5	9.2		11.5	11.5	10.5	9.5	8.4	11.0	
12.0		9.0	8.5	8.0	7.7		10.0	9.7	9.1	8.3	7.2	12.0	
14.0							7.6	7.3	6.7	5.9	4.8	14.0	
16.0							5.8	5.5	4.9	4.2	3.1	16.0	
18.0												18.0	
Reeving	12	12					10					Reeving	
Hook	60 t											Hook	
Telescoping mode	I	1	1	1	1	1		1	1	1	1	2	I
	II	1	1	1	1	2		1	1	1	2	2	II
	III	1	1	1	2	1		1	1	2	2	1	III
	IV	1	1	2	1	1		1	2	2	1	1	IV
	V	1	2	1	1	1		3	2	1	1	1	V
Telescoping mode													

Table 66 Main boom

Unit: tons

Outriggers are Intermediately extended (5.3 m), with 7 tons counterweight, over slides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	25.4	25.4	25.4	25.4	25.4 ★		29.7	29.7	29.7	29.7	29.7 ★			
3.0												3.0		
3.5												3.5		
4.0	25.0	26.0	40.0	46.0	46.0							4.0		
4.5	24.0	24.5	38.0	44.0	44.0							4.5		
5.0	23.0	23.0	36.5	43.0	43.0		20.0	25.0	25.0	40.0	42.0	5.0		
5.5	21.5	21.5	35.0	37.0	36.0		19.0	24.0	24.0	36.0	36.0	5.5		
6.0	20.5	20.5	33.0	32.5	30.5		18.0	23.0	23.0	32.0	31.0	6.0		
7.0	18.5	18.5	26.0	25.0	23.5		16.0	20.5	20.5	25.0	24.0	7.0		
8.0	16.5	16.5	20.0	19.5	18.0		14.0	18.5	18.5	20.0	19.0	8.0		
9.0	15.5	15.0	16.0	15.5	14.0		13.0	16.5	16.5	16.5	15.0	9.0		
10.0	14.0	14.0	14.0	13.0	11.5		12.0	14.5	14.0	13.6	12.4	10.0		
11.0	12.4	12.1	11.8	10.9	9.5		11.0	12.3	12.0	11.6	10.3	11.0		
12.0	10.6	10.3	10.1	9.2	7.9		10.0	10.5	10.2	9.9	8.6	12.0		
14.0	8.0	7.8	7.5	6.7	5.4		8.4	7.9	7.6	7.4	6.1	14.0		
16.0	6.2	6.0	5.7	4.9	3.7		6.6	6.1	5.8	5.6	4.4	16.0		
18.0	4.9	4.7	4.4	3.6	2.5		5.2	4.8	4.5	4.3	3.1	18.0		
20.0	3.9	3.7	3.4	2.6	1.5		4.2	3.8	3.5	3.3	2.1	20.0		
22.0							3.3	2.9	2.6	2.4	1.3	22.0		
24.0												24.0		
Reeving	8						7					Reeving		
Hook	60 t											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 Main boom

Unit: tons

Outriggers are Intermediately extended (5.3 m), with 7 tons counterweight, over slides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	34.0	34.0	34.0	34.0	34.0 ★		38.3	38.3	38.3	38.3	38.3 ★			
3.0												3.0		
3.5												3.5		
4.0												4.0		
4.5												4.5		
5.0												5.0		
5.5												5.5		
6.0	19.0	20.0	25.0	29.0	31.0							6.0		
7.0	17.0	18.0	22.5	25.0	24.0		16.0	20.0	23.5	24.0	23.0	7.0		
8.0	15.5	16.5	20.5	20.0	19.0		14.5	18.0	20.0	19.0	18.0	8.0		
9.0	14.0	15.0	17.0	16.5	16.0		13.5	16.5	16.5	16.0	15.0	9.0		
10.0	13.0	14.0	14.0	13.5	13.0		12.5	14.5	14.0	13.0	12.0	10.0		
11.0	12.0	12.4	11.9	11.5	11.0		11.5	12.0	11.5	11.0	10.0	11.0		
12.0	11.0	10.6	10.1	9.6	9.1		10.5	10.5	10.0	9.3	8.9	12.0		
14.0	8.4	8.0	7.5	7.3	6.8		8.5	7.9	7.5	6.8	6.4	14.0		
16.0	6.6	6.2	5.7	5.5	5.0		6.6	6.0	5.7	5.0	4.6	16.0		
18.0	5.2	4.8	4.4	4.2	3.7		5.3	4.7	4.4	3.7	3.3	18.0		
20.0	4.2	3.9	3.4	3.2	2.8		4.2	3.7	3.4	2.7	2.3	20.0		
22.0	3.4	3.1	2.6	2.4	2.0		3.4	2.9	2.6	1.9	1.5	22.0		
24.0	2.7	2.4	1.9	1.7	1.4		2.7	2.2	1.9	1.3	1.0	24.0		
26.0												26.0		
Reeving	6						5					Reeving		
Hook	60 t											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 Main boom

Unit: tons

Outriggers are Intermediately extended (5.3 m), with 7 tons counterweight, over slides and rear													
Radius (m)	Main boom length (m)											Radius (m)	
	42.6	42.6	42.6	42.6 ★	46.9	46.9	46.9 ★	51.2	51.2 ★	55.5 ★	58.5 ★		
3.0												3.0	
3.5												3.5	
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												8.0	
9.0	14.5	16.5	15.5	15.0								9.0	
10.0	13.5	14.0	13.0	12.5	14.0	13.5	13.0					10.0	
11.0	12.5	12.0	11.0	10.5	12.5	11.5	11.0	11.5	11.0			11.0	
12.0	10.5	10.0	9.7	9.0	10.5	9.5	9.0	10.0	9.5	9.5		12.0	
14.0	8.4	7.9	7.1	6.5	8.0	7.0	6.8	7.9	7.2	7.4	7.5	14.0	
16.0	6.6	6.1	5.3	4.8	6.4	5.6	5.0	6.1	5.4	5.7	5.8	16.0	
18.0	5.2	4.7	4.0	3.5	5.1	4.3	3.7	4.7	4.0	4.3	4.4	18.0	
20.0	4.1	3.7	3.0	2.5	4.0	3.3	2.7	3.7	3.0	3.3	3.4	20.0	
22.0	3.3	2.9	2.2	1.7	3.2	2.5	1.9	2.8	2.2	2.5	2.6	22.0	
24.0	2.6	2.2	1.5	1.0	2.5	1.8	1.2	2.2	1.6	1.8	1.9	24.0	
26.0								1.6	1.0	1.3	1.4	26.0	
28.0										0.9	1.0	28.0	
30.0												30.0	
Reeving	4				3			3		3	3	Reeving	
Hook	60 t											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 Main boom

Unit: tons

Outriggers are Intermedlately extended (5.3 m), with 3 tons counterweight, over slides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	12.5 ★	16.8	16.8	16.8	16.8 ★		21.1	21.1	21.1	21.1	21.1★			
3.0	70.0*	37.0	60.0	60.0	60.0		24.0	40.0	50.0	50.0	50.0	3.0		
3.5	60.0	35.0	58.0	56.0	56.0		23.0	38.0	50.0	50.0	50.0	3.5		
4.0	53.0	33.0	54.0	53.0	52.0		22.0	36.0	50.0	49.0	48.0	4.0		
4.5	48.0	31.0	50.0	49.0	48.0		21.0	34.0	48.0	47.0	44.5	4.5		
5.0	39.0	29.0	40.0	39.0	38.0		20.0	33.0	39.0	38.0	36.0	5.0		
5.5	31.0	28.0	33.5	32.5	31.5		19.0	31.0	32.5	31.5	29.5	5.5		
6.0	25.5	26.0	28.0	27.0	26.0		18.0	28.0	28.0	27.0	25.0	6.0		
7.0	18.0	21.0	20.5	19.5	18.5		16.0	21.0	21.0	20.0	18.0	7.0		
8.0	13.5	16.0	15.5	15.0	14.5		15.0	16.0	16.0	15.0	13.5	8.0		
9.0	10.5	12.5	12.0	11.5	11.0		13.5	13.0	12.5	11.5	10.5	9.0		
10.0		10.0	9.5	9.0	8.5		11.5	11.0	10.0	9.0	8.3	10.0		
11.0		8.5	8.0	7.5	7.0		9.6	9.3	8.6	7.8	6.6	11.0		
12.0		7.0	6.5	6.0	5.5		8.1	7.8	7.2	6.4	5.2	12.0		
14.0							5.9	5.6	5.0	4.3	3.1	14.0		
16.0							4.4	4.1	3.5	2.8	1.7	16.0		
18.0												18.0		
Reeving	12	12					10					Reeving		
Hook	60 t												Hook	
Telescoping mode	I	1	1	1	1	1		1	1	1	1	2	I	Telescoping mode
	II	1	1	1	1	2		1	1	1	2	2	II	
	III	1	1	1	2	1		1	1	2	2	1	III	
	IV	1	1	2	1	1		1	2	2	1	1	IV	
	V	1	2	1	1	1		3	2	1	1	1	V	

Table 70 Main boom

Unit: tons

Outriggers are Intermediately extended (5.3 m), with 3 tons counterweight, over slides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	25.4	25.4	25.4	25.4	25.4 ★		29.7	29.7	29.7	29.7	29.7 ★			
3.0												3.0		
3.5												3.5		
4.0	25.0	26.0	40.0	46.0	46.0							4.0		
4.5	24.0	24.5	38.0	42.0	41.0							4.5		
5.0	23.0	23.0	36.0	38.0	36.0		20.0	25.0	25.0	38.0	36.0	5.0		
5.5	21.5	21.5	33.0	32.0	30.0		19.0	24.0	24.0	32.0	30.0	5.5		
6.0	20.5	20.5	28.5	27.5	25.5		18.0	22.5	22.5	27.5	25.5	6.0		
7.0	18.5	18.5	22.0	21.0	19.0		16.0	20.0	20.0	21.5	19.5	7.0		
8.0	16.5	16.5	17.0	16.0	14.5		14.0	17.5	17.0	17.0	15.5	8.0		
9.0	14.5	14.0	13.5	12.5	11.5		13.0	14.0	13.5	13.5	12.0	9.0		
10.0	12.0	11.5	11.0	10.0	9.0		12.0	11.5	11.0	11.0	9.5	10.0		
11.0	10.0	9.7	9.4	8.5	7.3		10.5	10.0	9.5	9.2	8.0	11.0		
12.0	8.6	8.3	8.0	7.1	5.9		9.0	8.5	8.0	7.7	6.5	12.0		
14.0	6.4	6.1	5.8	5.0	3.8		6.7	6.2	6.0	5.7	4.5	14.0		
16.0	4.8	4.5	4.3	3.5	2.3		5.1	4.7	4.5	4.2	3.0	16.0		
18.0	3.7	3.4	3.2	2.4	1.2		4.0	3.6	3.4	3.1	1.9	18.0		
20.0							3.1	2.7	2.5	2.2	1.0	20.0		
22.0												22.0		
Reeving	8							7					Reeving	
Hook	60 t											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 Main boom

Unit: tons

Outriggers are Intermediately extended (5.3 m), with 3 tons counterweight, over slides and rear													
Radius (m)	Main boom length (m)											Radius (m)	
	34.0	34.0	34.0	34.0	34.0 ★		38.3	38.3	38.3	38.3	38.3 ★		
3.0												3.0	
3.5												3.5	
4.0												4.0	
4.5												4.5	
5.0												5.0	
5.5												5.5	
6.0	19.0	20.0	25.0	26.5	26.0							6.0	
7.0	17.0	18.0	21.0	20.5	20.0		16.0	19.0	20.5	19.5	19.0	7.0	
8.0	15.5	16.5	17.0	16.5	16.0		14.5	17.0	16.5	15.5	15.0	8.0	
9.0	14.0	14.5	14.0	13.5	13.0		13.5	14.0	13.5	12.5	12.0	9.0	
10.0	12.5	12.0	11.5	11.0	10.5		12.0	11.5	11.0	10.5	10.0	10.0	
11.0	10.5	10.0	9.5	9.0	8.5		10.5	10.0	9.5	8.8	8.3	11.0	
12.0	9.0	8.5	8.1	7.7	7.3		9.0	8.4	8.0	7.3	6.8	12.0	
14.0	6.7	6.3	5.9	5.5	5.1		6.8	6.2	5.8	5.1	4.6	14.0	
16.0	5.2	4.8	4.2	4.0	3.6		5.2	4.6	4.2	3.6	3.2	16.0	
18.0	4.0	3.6	3.2	3.0	2.6		4.0	3.5	3.1	2.5	2.1	18.0	
20.0	3.1	2.7	2.3	2.1	1.7		3.1	2.6	2.2	1.6	1.3	20.0	
22.0												22.0	
Reeving	6						5					Reeving	
Hook	60 t											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
Telescoping mode													

Table 72 Main boom

Unit: tons

Outriggers are Intermediately extended (5.3 m), with 3 tons counterweight, over slides and rear														
Radius (m)	Main boom length (m)											Radius (m)		
	42.6	42.6	42.6	42.6 ★	46.9	46.9	46.9 ★	51.2	51.2 ★	55.5 ★	58.5 ★			
3.0												3.0		
3.5												3.5		
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												8.0		
9.0	14.5	14.0	13.0	12.0								9.0		
10.0	12.0	11.5	11.0	10.0	12.0	11.0	10.0					10.0		
11.0	10.0	9.5	9.0	8.5	10.0	9.4	8.7	9.5	9.0			11.0		
12.0	8.9	8.3	7.5	7.0	8.8	7.9	7.2	8.4	7.6	8.0	8.1	12.0		
14.0	6.6	6.1	5.3	4.8	6.5	5.7	5.0	6.1	5.4	5.8	5.9	14.0		
16.0	5.0	4.5	3.8	3.3	4.9	4.1	3.5	4.5	3.8	4.2	4.3	16.0		
18.0	3.9	3.4	2.7	2.2	3.7	3.0	2.4	3.4	2.7	3.0	3.1	18.0		
20.0	3.0	2.5	1.8	1.3	2.8	2.1	1.5	2.5	1.8	2.1	2.2	20.0		
22.0								1.7	1.1	1.4	1.5	22.0		
24.0										0.9	1.0	24.0		
26.0												26.0		
Reeving	4				3			3		3	3	Reeving		
Hook	60 t											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 73 Main boom + Jib

Unit: tons

Boom angle (°)	Main Boom (m) + jlb (m)														Boom angle (°)
	Outrlggers are fully extended, with 23 tons counterweight, over sides and rear														
	55.5+10.4			55.5+17.5			55.5+7.0	58.5+10.4			58.5+17.5			58.5+7.0	
							+17.5							+17.5	
	0°	15°	30°	0°	15°	30°	0°	0°	15°	30°	0°	15°	30°	0°	
80	6.0	4.5	3.5	3.5	2.5	1.8	2.6	5.0	4.5	3.5	3.5	2.5	1.8	2.6	80
78	6.0	4.5	3.3	3.2	2.3	1.7	2.3	5.0	4.5	3.3	3.2	2.3	1.7	2.3	78
76	5.5	4.5	3.3	3.0	2.0	1.6	2.0	4.8	4.5	3.3	3.0	2.0	1.6	2.0	76
74	5.5	4.5	3.3	2.8	1.8	1.5	2.0	4.5	4.5	3.3	2.8	1.8	1.6	2.0	74
72	5.0	4.2	3.0	2.6	1.8	1.5	1.8	4.5	4.2	3.0	2.6	1.8	1.5	1.8	72
70	4.5	4.2	3.0	2.4	1.8	1.5	1.6	4.2	4.2	3.0	2.4	1.8	1.4	1.6	70
68	4.2	3.9	3.0	2.2	1.7	1.4	1.4	4.2	3.9	3.0	2.2	1.7	1.4	1.4	68
66	4.0	3.7	2.8	2.0	1.6	1.3	1.4	4.0	3.7	2.8	2.0	1.6	1.3	1.4	66
64	3.7	3.3	2.8	1.9	1.6	1.3	1.4	3.7	3.3	2.8	1.9	1.6	1.3	1.4	64
62	3.4	3.1	2.8	1.8	1.5	1.3	1.3	3.4	3.1	2.8	1.8	1.5	1.3	1.3	62
60	3.2	2.9	2.6	1.7	1.4	1.2	1.3	3.2	2.9	2.6	1.7	1.4	1.2	1.3	60
58	2.9	2.7	2.4	1.6	1.3	1.2	1.3	2.9	2.7	2.4	1.6	1.3	1.2	1.3	58
56	2.5	2.3	2.1	1.5	1.3	1.2	1.2	2.5	2.3	2.1	1.5	1.3	1.2	1.2	56
54	2.2	2.0	1.8	1.4	1.3	1.1	1.1	2.2	2.0	1.8	1.4	1.3	1.1	1.1	54
52	2.0	1.8	1.6	1.4	1.2	1.1	1.1	2.0	1.8	1.6	1.4	1.2	1.1	1.1	52
50	1.9	1.7	1.5	1.4	1.2	1.1	1.0	1.9	1.7	1.5	1.4	1.2	1.1	1.0	50
48	1.8	1.6	1.4	1.3	1.2	1.1		1.7	1.5	1.3	1.3	1.1	1.1		48
46	1.7	1.5	1.3	1.2	1.1	1.0		1.5	1.3	1.2	1.2	1.1	1.0		46
44	1.6	1.4	1.2	1.2	1.1	1.0		1.3	1.2	1.1	1.1	1.0	0.9		44
42	1.5	1.3	1.1	1.1				1.2	1.1	1.0	1.0				42
40	1.4							1.0							40
38															38
Reeving	1														
Hook	6.5 t														

Table 74 Main boom + Jib

Unit: tons

Boom angle (°)	Main Boom (m) + jlb (m)														Boom angle (°)
	Outrlggers are fully extended, with 19 tons counterweight, over slides and rear														
	55.5+10.4			55.5+17.5			55.5+7.0 +17.5	58.5+10.4			58.5+17.5			58.5+7.0 +17.5	
	0°	15°	30°	0°	15°	30°	0°	0°	15°	30°	0°	15°	30°	0°	
80	6.0	4.5	3.5	3.5	2.5	1.8	2.6	5.0	4.5	3.5	3.5	2.5	1.8	2.6	80
78	6.0	4.5	3.3	3.2	2.3	1.7	2.3	5.0	4.5	3.3	3.2	2.3	1.7	2.3	78
76	5.5	4.5	3.3	3.0	2.0	1.6	2.0	4.8	4.5	3.3	3.0	2.0	1.6	2.0	76
74	5.5	4.5	3.3	2.8	1.8	1.5	2.0	4.5	4.5	3.3	2.8	1.8	1.6	2.0	74
72	5.0	4.2	3.0	2.6	1.8	1.5	1.8	4.5	4.2	3.0	2.6	1.8	1.5	1.8	72
70	4.5	4.2	3.0	2.4	1.8	1.5	1.6	4.2	4.2	3.0	2.4	1.8	1.4	1.6	70
68	4.2	3.9	3.0	2.2	1.7	1.4	1.4	4.2	3.9	3.0	2.2	1.7	1.4	1.4	68
66	4.0	3.7	2.8	2.0	1.6	1.3	1.4	4.0	3.7	2.8	2.0	1.6	1.3	1.4	66
64	3.7	3.3	2.8	1.9	1.6	1.3	1.4	3.7	3.3	2.8	1.9	1.6	1.3	1.4	64
62	3.4	3.1	2.8	1.8	1.5	1.3	1.3	3.4	3.1	2.8	1.8	1.5	1.3	1.3	62
60	3.2	2.9	2.6	1.7	1.4	1.2	1.3	3.2	2.9	2.6	1.7	1.4	1.2	1.3	60
58	2.9	2.7	2.4	1.6	1.3	1.2	1.3	2.7	2.5	2.3	1.6	1.3	1.2	1.3	58
56	2.5	2.3	2.1	1.5	1.3	1.2	1.2	2.4	2.2	2.0	1.5	1.3	1.2	1.2	56
54	2.2	2.0	1.8	1.4	1.3	1.1	1.1	2.1	1.9	1.6	1.4	1.3	1.1	1.1	54
52	2.0	1.8	1.6	1.4	1.2	1.1	1.1	1.8	1.7	1.4	1.4	1.2	1.1		52
50	1.8	1.7	1.5	1.3	1.1	1.0	1.0	1.6	1.5	1.2	1.2	1.1	1.0		50
48	1.6	1.5	1.4	1.2	1.1	1.0		1.4	1.3	1.2	1.0				48
46	1.4	1.3	1.2	1.1	1.0	1.0		1.3							46
44	1.2	1.1	1.0	1.0											44
42	1.1	1.0	1.0												42
40	1.0														40
38															38
Reeving	1														
Hook	6.5 t														

Table 75 Main boom + Jib

Unit: tons

Boom angle (°)	Main Boom (m) + jlb (m)														Boom angle (°)
	Outriggers are fully extended, with 15 tons counterweight, over sides and rear														
	55.5+10.4			55.5+17.5			55.5+7.0 +17.5	58.5+10.4			58.5+17.5			58.5+7.0 +17.5	
	0°	15°	30°	0°	15°	30°	0°	0°	15°	30°	0°	15°	30°	0°	
80	6.0	4.5	3.5	3.5	2.5	1.8	2.6	5.0	4.5	3.5	3.5	2.5	1.8	2.6	80
78	6.0	4.5	3.3	3.2	2.3	1.7	2.3	5.0	4.5	3.3	3.2	2.3	1.7	2.3	78
76	5.5	4.5	3.3	3.0	2.0	1.6	2.0	4.8	4.5	3.3	3.0	2.0	1.6	2.0	76
74	5.5	4.5	3.3	2.8	1.8	1.5	2.0	4.5	4.5	3.3	2.8	1.8	1.6	2.0	74
72	5.0	4.2	3.0	2.6	1.8	1.5	1.8	4.5	4.2	3.0	2.6	1.8	1.5	1.8	72
70	4.5	4.2	3.0	2.4	1.8	1.5	1.6	4.2	4.2	3.0	2.4	1.8	1.4	1.6	70
68	4.2	3.9	3.0	2.2	1.7	1.4	1.4	4.2	3.9	3.0	2.2	1.7	1.4	1.4	68
66	4.0	3.7	2.8	2.0	1.6	1.3	1.4	3.8	3.5	2.8	2.0	1.6	1.3	1.4	66
64	3.7	3.3	2.8	1.9	1.6	1.3	1.4	3.3	3.1	2.8	1.9	1.6	1.3	1.4	64
62	3.3	3.1	2.8	1.8	1.5	1.3	1.3	2.9	2.7	2.5	1.8	1.5	1.3	1.3	62
60	2.9	2.7	2.6	1.7	1.4	1.2	1.3	2.5	2.4	2.3	1.7	1.4	1.1	1.3	60
58	2.5	2.3	2.2	1.6	1.3	1.2	1.3	2.2	2.1	2.0	1.6	1.3	1.1	1.2	58
56	2.2	2.0	1.9	1.5	1.2	1.1	1.2	1.9	1.8	1.7	1.5	1.3	1.1	1.0	56
54	1.9	1.8	1.7	1.4	1.2	1.1	1.0	1.6	1.5	1.4	1.2	1.1	1.0		54
52	1.7	1.6	1.5	1.2	1.1	1.1		1.4	1.3	1.2	1.0				52
50	1.5	1.4	1.3	1.0				1.2	1.1	1.0					50
48	1.3	1.2	1.1					1.0							48
46	1.1														46
48															48
Reeving	1														
Hook	6.5 t														

Table 76 Main boom + Jib

Unit: tons

Boom angle (°)	Main Boom (m) + jlb (m)														Boom angle (°)
	Outriggers are fully extended, with 11 tons counterweight, over sides and rear														
	55.5+10.4			55.5+17.5			55.5+7.0 +17.5	58.5+10.4			58.5+17.5			58.5+7.0 +17.5	
	0°	15°	30°	0°	15°	30°	0°	0°	15°	30°	0°	15°	30°	0°	
80	6.0	4.5	3.5	3.5	2.5	1.8	2.6	5.0	4.5	3.5	3.5	2.5	1.8	2.6	80
78	6.0	4.5	3.3	3.2	2.3	1.7	2.3	5.0	4.5	3.3	3.2	2.3	1.7	2.3	78
76	5.5	4.5	3.3	3.0	2.0	1.6	2.0	4.8	4.5	3.3	3.0	2.0	1.6	2.0	76
74	5.5	4.5	3.3	2.8	1.8	1.5	2.0	4.5	4.5	3.3	2.8	1.8	1.6	2.0	74
72	5.0	4.2	3.0	2.6	1.8	1.5	1.8	4.5	4.2	3.0	2.6	1.8	1.5	1.8	72
70	4.5	4.2	3.0	2.4	1.8	1.5	1.6	4.2	3.9	3.0	2.4	1.8	1.4	1.6	70
68	4.2	3.8	3.0	2.2	1.7	1.4	1.4	3.7	3.5	3.0	2.2	1.7	1.4	1.4	68
66	3.6	3.3	2.8	2.0	1.6	1.3	1.4	3.2	3.0	2.8	2.0	1.6	1.3	1.4	66
64	3.1	2.9	2.8	1.9	1.6	1.3	1.4	2.8	2.6	2.4	1.9	1.6	1.3	1.4	64
62	2.7	2.5	2.4	1.8	1.5	1.3	1.3	2.4	2.2	2.0	1.8	1.5	1.3	1.3	62
60	2.3	2.1	2.0	1.7	1.4	1.2	1.3	2.0	1.9	1.8	1.7	1.4	1.1	1.1	60
58	2.0	1.8	1.7	1.5	1.3	1.2	1.1	1.7	1.6	1.5	1.3	1.2	1.0		58
56	1.7	1.6	1.5	1.2	1.1	1.1		1.4	1.3	1.2	1.0				56
54	1.4	1.3	1.2	1.0				1.2	1.1	1.0					54
52	1.1	1.0	1.0					1.0							52
50	1.0														50
48															48
Reeving	1														
Hook	6.5 t														

Table 77 Main boom + Jib

Unit: tons

Boom angle (°)	Main Boom (m) + jlb (m)														Boom angle (°)
	Outrlggers are fully extended, with 7 tons counterweight, over slides and rear														
	55.5+10.4			55.5+17.5			55.5+7.0 +17.5	58.5+10.4			58.5+17.5			58.5+7.0 +17.5	
	0°	15°	30°	0°	15°	30°	0°	0°	15°	30°	0°	15°	30°	0°	
80	6.0	4.5	3.5	3.5	2.5	1.8	2.6	5.0	4.5	3.5	3.5	2.5	1.8	2.6	80
78	5.5	4.5	3.3	3.2	2.3	1.7	2.3	5.0	4.5	3.3	3.2	2.3	1.7	2.3	78
76	5.5	4.5	3.3	3.0	2.0	1.6	2.0	4.8	4.5	3.3	3.0	2.0	1.6	2.0	76
74	5.0	4.5	3.3	2.8	1.8	1.5	2.0	4.5	4.5	3.3	2.8	1.8	1.6	2.0	74
72	4.5	4.2	3.0	2.6	1.8	1.5	1.8	4.3	4.0	3.0	2.6	1.8	1.5	1.8	72
70	4.0	3.8	3.0	2.4	1.8	1.5	1.6	3.7	3.4	3.0	2.4	1.8	1.4	1.6	70
68	3.5	3.3	3.0	2.2	1.7	1.4	1.4	3.1	2.9	2.7	2.2	1.7	1.4	1.4	68
66	3.0	2.8	2.6	2.0	1.6	1.3	1.4	2.6	2.4	2.2	2.0	1.6	1.3	1.4	66
64	2.5	2.4	2.2	1.8	1.5	1.3	1.3	2.1	2.0	1.9	1.6	1.5	1.3	1.4	64
62	2.1	2.0	1.8	1.6	1.4	1.2	1.1	1.7	1.6	1.5	1.3	1.2	1.1	1.2	62
60	1.7	1.6	1.4	1.3	1.1	1.0		1.4	1.3	1.2	1.0				60
58	1.4	1.2	1.1	1.0				1.1							58
56	1.1														56
54															54
Reeving	1														
Hook	6.5 t														

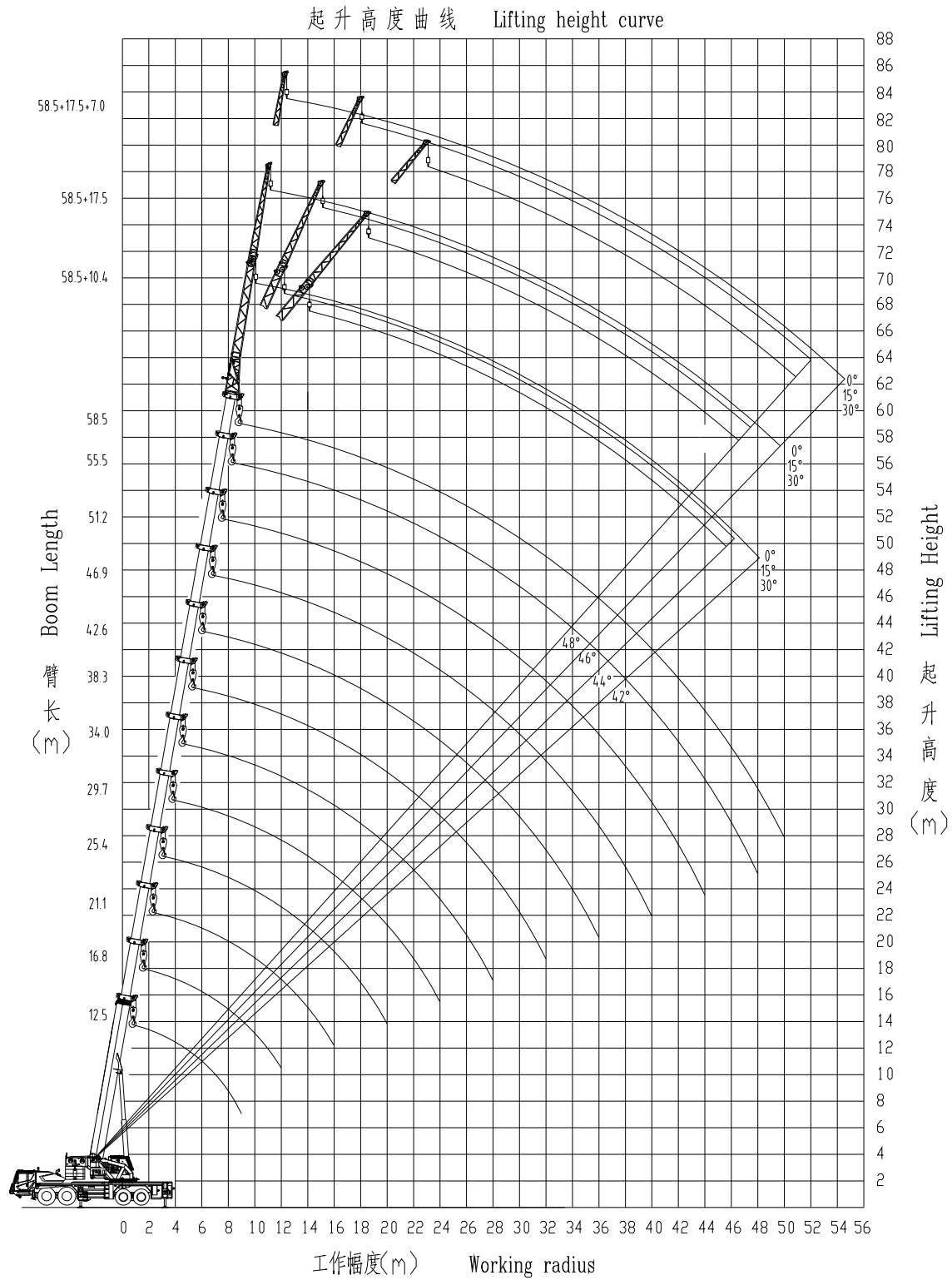
Table 78 Main boom + Jib

Unit: tons

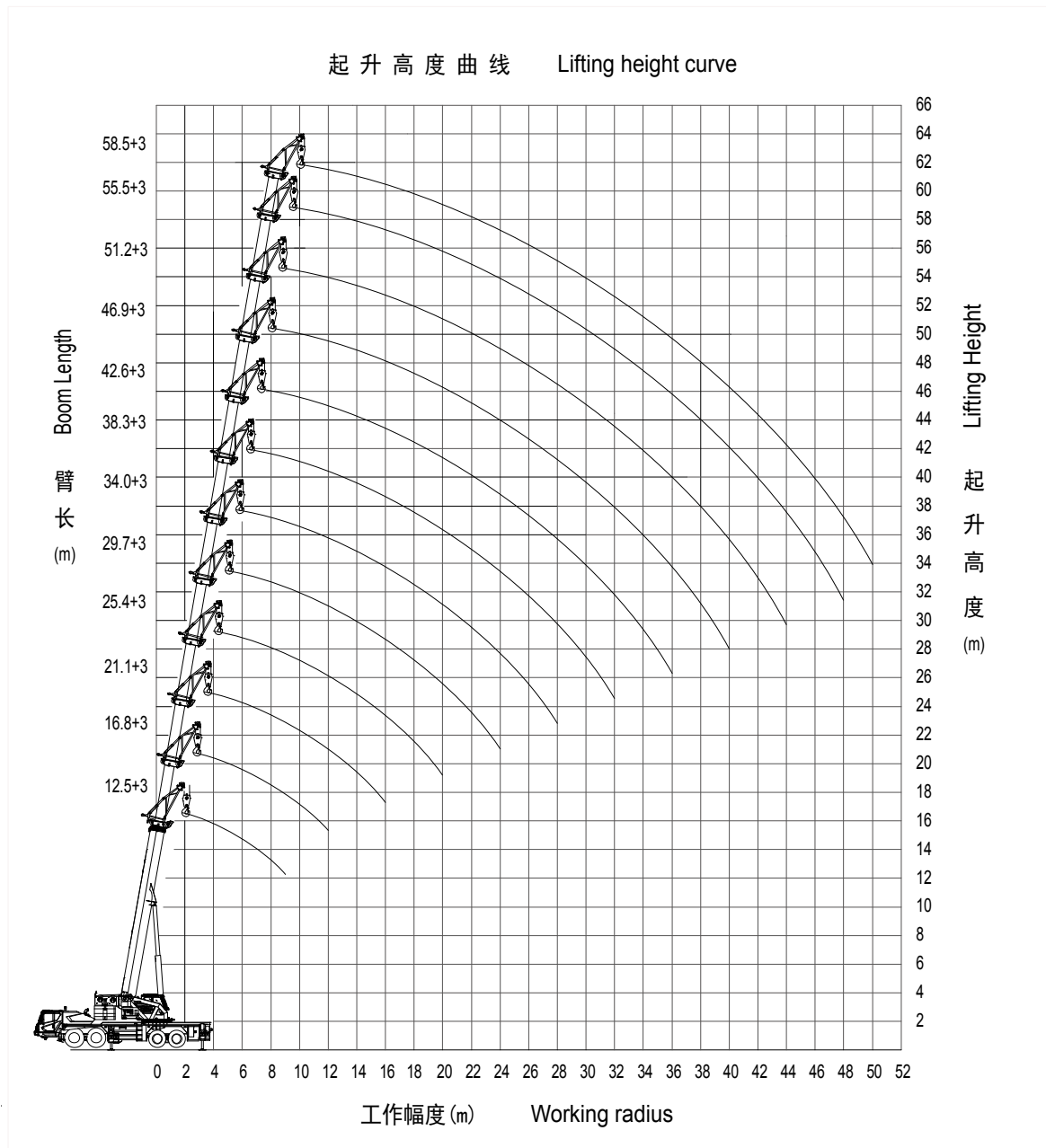
Boom angle (°)	Main Boom (m) + jlb (m)														Boom angle (°)
	Outriggers are fully extended, with 3 tons counterweight, over slides and rear														
	55.5+10.4			55.5+17.5			55.5+7.0 +17.5	58.5+10.4			58.5+17.5			58.5+7.0 +17.5	
	0°	15°	30°	0°	15°	30°	0°	0°	15°	30°	0°	15°	30°	0°	
80	6.0	4.5	3.5	3.5	2.5	1.8	2.6	5.0	4.5	3.5	3.5	2.5	1.8	2.6	80
78	5.5	4.5	3.3	3.2	2.3	1.7	2.3	5.0	4.5	3.3	3.2	2.3	1.7	2.3	78
76	5.5	4.5	3.3	3.0	2.0	1.6	2.0	4.8	4.5	3.3	3.0	2.0	1.6	2.0	76
74	5.0	4.3	3.3	2.8	1.8	1.5	2.0	4.3	3.8	3.3	2.8	1.8	1.6	2.0	74
72	4.0	3.6	3.0	2.6	1.8	1.5	1.8	3.5	3.2	2.9	2.6	1.8	1.5	1.8	72
70	3.4	3.0	2.8	2.4	1.8	1.5	1.6	2.9	2.6	2.4	2.4	1.7	1.4	1.6	70
68	2.8	2.5	2.3	2.1	1.7	1.4	1.4	2.3	2.1	1.9	1.7	1.5	1.2	1.3	68
66	2.2	2.0	1.9	1.6	1.4	1.3	1.2	1.8	1.7	1.5	1.3	1.1	1.0	1.0	66
64	1.8	1.6	1.5	1.3	1.1	1.0		1.4	1.3	1.1	1.0				64
62	1.4	1.2	1.1	1.0				1.0							62
60	1.0														60
58															58
Reeving	1														
Hook	6.5 t														

2.4 Lifting height charts

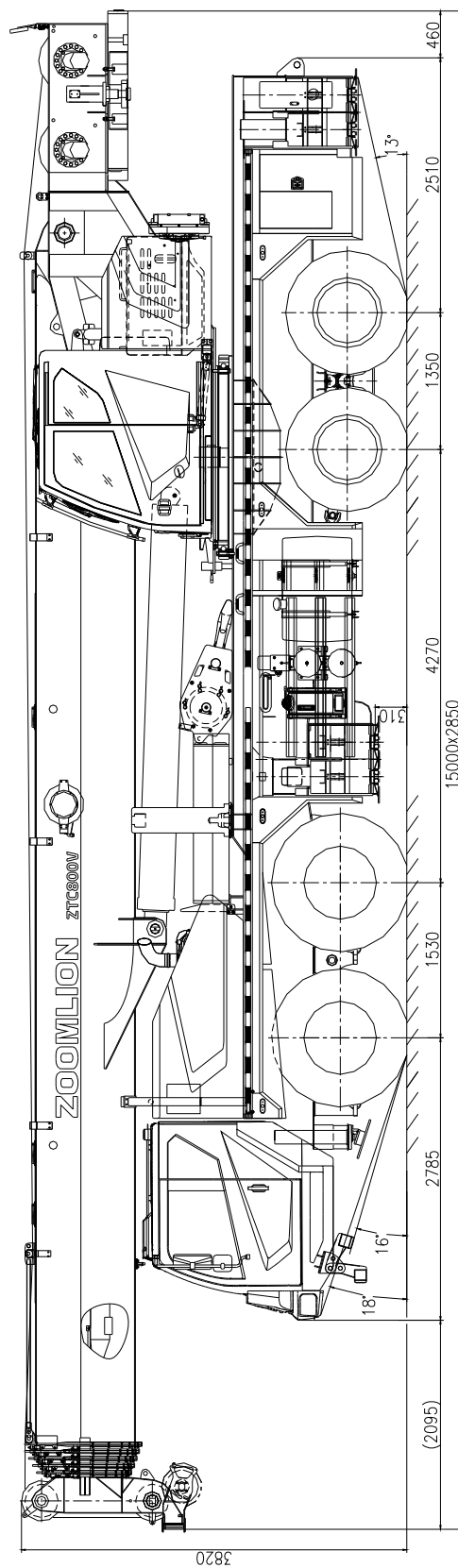
Main boom + jib



Main boom + tip boom



2.5 Overall view (Unit: Metric mm)



3 Specifications, superstructure

3.1 Main boom and telescoping system

One basic boom and 6 telescopic sections welded from high-tensile steel ($\sigma_s = 960 \text{ MPa}$)

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

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

3.2 Jib

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

Jib section 1, quadrilateral lattice structured.

Jib section 2, triangle lattice structured.

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

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

Jib length:

Jib section 1: 10.4 m

Jib section 1 + jib section 2: 17.5 m

Extension (optional): 7 m

3.3 Tip boom

It consists of one adapter and one reducing lattice tip boom section (3 m long).

It works together with the auxiliary winch.

Max. number of reeving: 3

Max. lifting capacity: 18 t

The tip boom section can be assembled below an angle of 0° or 30° to the adapter via operating the pull bracket.

When the tip boom is not used, it is assembled below an angle of 0° to the adapter and then folded onto the side of main boom

When the tip boom is used, it is assembled below an angle of 30° to the adapter and then articulated with the telescopic boom section 5.

The utilization of tip boom enlarges the efficient work space of main boom.

It can be attached with the vehicle during driving.

3.4 Rooster sheave

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

3.5 Slewing table

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

The engine hood is of a human-based layout.

The securing device installed in the front of the slewing table 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 -2° to 80° .

3.7 Slewing mechanism

The slewing mechanism is equipped with double slewing gears.

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

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

3.8 Hoist mechanism

It consists of main and auxiliary hoist mechanisms.

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

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

Models of main and auxiliary winch reducers are the same.

Main and auxiliary winch adopt variable pumps.

The lowering limit switch is fitted on the main winch.

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

Specifications for high-tensile torsion resistant hoist rope:

Diameter: $\phi 20.0$ mm

Strength grade: 1870 N/mm²

Length of main hoist rope: 260 m

Length of auxiliary hoist rope: 210 m

3.9 Main and auxiliary hooks

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

Rotatable auxiliary hook (1 reeving): 6.5 t, with hook safety device

Optional hook: 80 t, with 6 pulleys

3.10 Operator's cab

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

3.11 Outriggers

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

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

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

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

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

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

3.12 Hydraulic system

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

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

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

3.13 Electrical system

Double wire system, 24 Volt DC.

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

The superstructure electrics apply the data bus technology which effectively decreases the number of cables and connections for improving the system reliability and the convenience of maintenance.

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

The computer system is used to monitor the crane movements and display the relevant parameters in real time for analysis and treatment.

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

3.14 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, main boom length, working radius, actual

lifting capacity, maximum permissible lifting capacity and maximum permissible lifting height will be displayed on the digital LCD.

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

- a) Hoisting limit switch
- b) Hook safety device
- c) Lowering limit switch
- d) The 5th outrigger overpressure protection device
- e) Two-way hydraulic lock
- f) Balance valve
- g) Relief valve
- h) Wireless counterweight control device.

3.15 Air conditioning and heater

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

3.16 Counterweight

Underslung self-handled multivariable counterweight system is in a total weight of 23 t. Among which, the standard counterweight is 15 t and the optional one is 8 t.

Various counterweight variants are thus for a considerable application spectrum according to the requirements of OMs.

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

4 Specifications, chassis

Chassis	Engine	Model	WP12.375E50
		Rated power kW/r/min	276/1900
		Max. output torque N.m/r/min	1800/1000 - 1400
		Manufacturer	Weichai Power Co., Ltd.
	Model		ZLJ5502
	Type		II
	Code		ZLJ5502JQZV5
	Limits for exhaust pollutants and smoke		Comply with GB3847-2005 / GB17691-2005 (National Stage IV)
	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	Ji'nan 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	Xuzhou Keyuan Hydraulic Co., Ltd. Tongshan County Branch Company	
		Shanghai Wanhui Mechanical Manufacture 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	Xuzhou Keyuan Hydraulic Co., Ltd. Tongshan County Branch Company	
7	Slewing ring	Xuzhou Rothe Erde Slewing Bearing Co., Ltd.	
		Yantai HaoYang Machinery Co., Ltd.	
8	Telescopic cylinder	Chengdu Cheng Cylinder Hydraulic Equipment Manufacture 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	Bucher Hydraulics Remscheid GMBH (Germany)	
13	Balance valve – derricking mechanism	Bucher Hydraulics Remscheid GMBH (Germany)	
14	Balance valve – hoist mechanism	Changde Zoomlion Heavy Industry Science & Technology Hydraulic Co., Ltd.	
15	Wire rope	Shanghai Junwei Wire Rope And Slings Co., Ltd.	
		JULI Sling Co., Ltd.	

Ser. No.	Description	Manufacturer	Remarks
		Jiangsu SAFETY Steel Wire Rope Co., Ltd.	
16	Hook	Shandong Hong Ruida Machinery Co., Ltd.	
		Changsha Lanying Industry Co., Ltd.	
17	Load moment limiter	Hirschmann Electronics (Shanghai) Co., Ltd.	
18	Operator's cab assy.	Yangzhou Shenzhou Vehicle Interior Decorative Parts Ltd., Co.	

Note:

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