



TERRANOVA

CRANE & HEAVY HAULAGE

Sany SAC2500E



A high capacity 250t all-terrain crane with a 75 metres main boom & max jib lift height of 111m. Variable outriggers provide max stability in restricted or uneven environments. Anti-electromagnetic interference module enabling operation near high-voltage infrastructure.

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CRANES

Table of Contents

SANY SAC2500E - Overview	3
Hook Capacities.....	3
Dimensions - Vehicle.....	4
Counterweight Combinations (tonne, m).....	5
Telescopic Boom (T) - Working Range (tonne, m).....	6
Telescopic Boom (tonne, m) - 80t CW.....	7
Telescopic Boom (tonne, m) - 60t CW.....	8
Telescopic Boom (tonne, m) - 50.5t CW.....	9
Telescopic Boom (tonne, m) - 41t CW.....	10
Telescopic Boom (tonne, m) - 31.5t CW.....	11
Telescopic Boom (tonne, m) - 22t CW.....	12
Telescopic Boom (tonne, m) - 0t CW.....	13
Jib Configuration (TJ/TH) (tonne, m).....	14
Jib Configuration - Working Range (tonne, m).....	15
Jib Configuration (TJ/TH) (tonne, m) - 11.2m Jib.....	16
Jib Configuration (tonne, m)- 20m Jib.....	17
Technical Specification.....	18
Technical Specification - Continued.....	19
Hook Configurations.....	19
Other Features of Interest.....	19
Hoist.....	19
Luffing System.....	19
Anti-electromagnetic Interference.....	19

SANY SAC2500E - Overview

- A large 250te MRC crane.
- 7 boom sections telescoping via single cylinder pinning mechanism. Permitting operation at variable lengths.
- Precise load moment indicator (LMI)
- Winch monitoring System enabling early identification of issues and improving safety.



Maximum Rated Capacity

250 te



Main Boom Length

Max 75 m
Min 13.9 m



Jib Boom Length (Max)

113.1 m

● Fly Jib Offsets

0°, 15°, 30°, 50°

Hook Capacities

Type	Load	Sheaves	Rope Rate	Hook Weight
160	134	7	14	1566
125	107.7	5	11	1250
80	70.6	3	7	693
32	31.2	1	3	479
12.5	10.5	0	1	420

Main and Auxiliary Hosts;

speed, 0-130 m/min,
rope, 300m at 22mm
max line pull, 105 kN

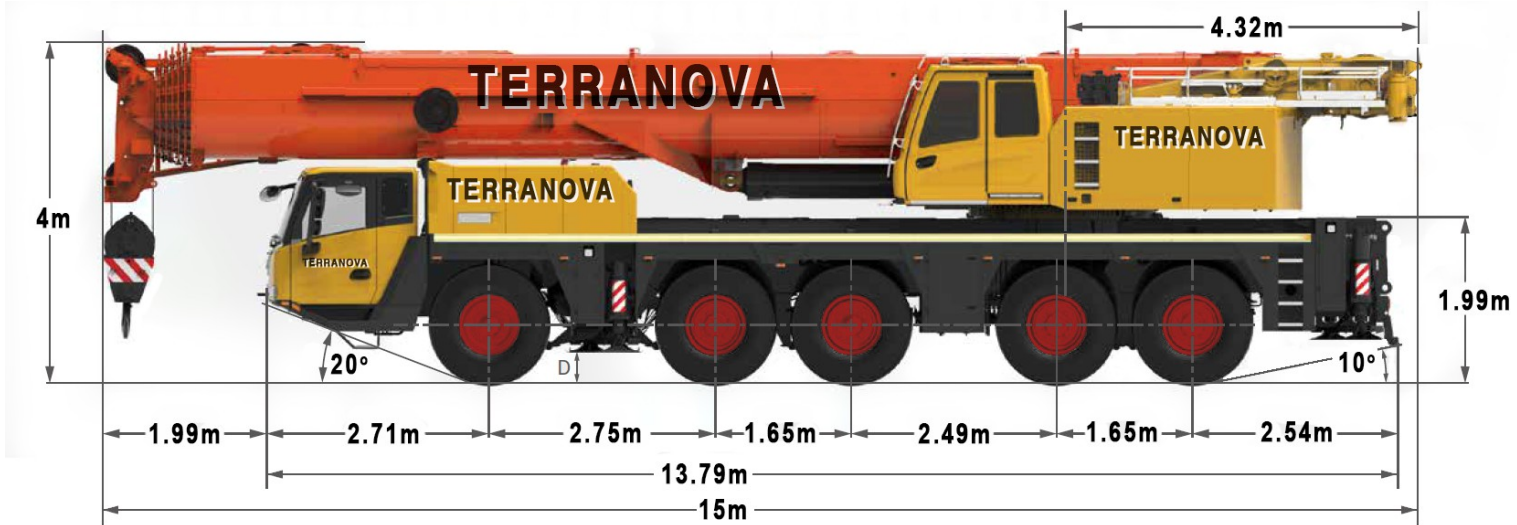
Slewing / Working Range; 0 - 1.5r / min

Boom Luffing / Elevation Time; < 55s / < 90s

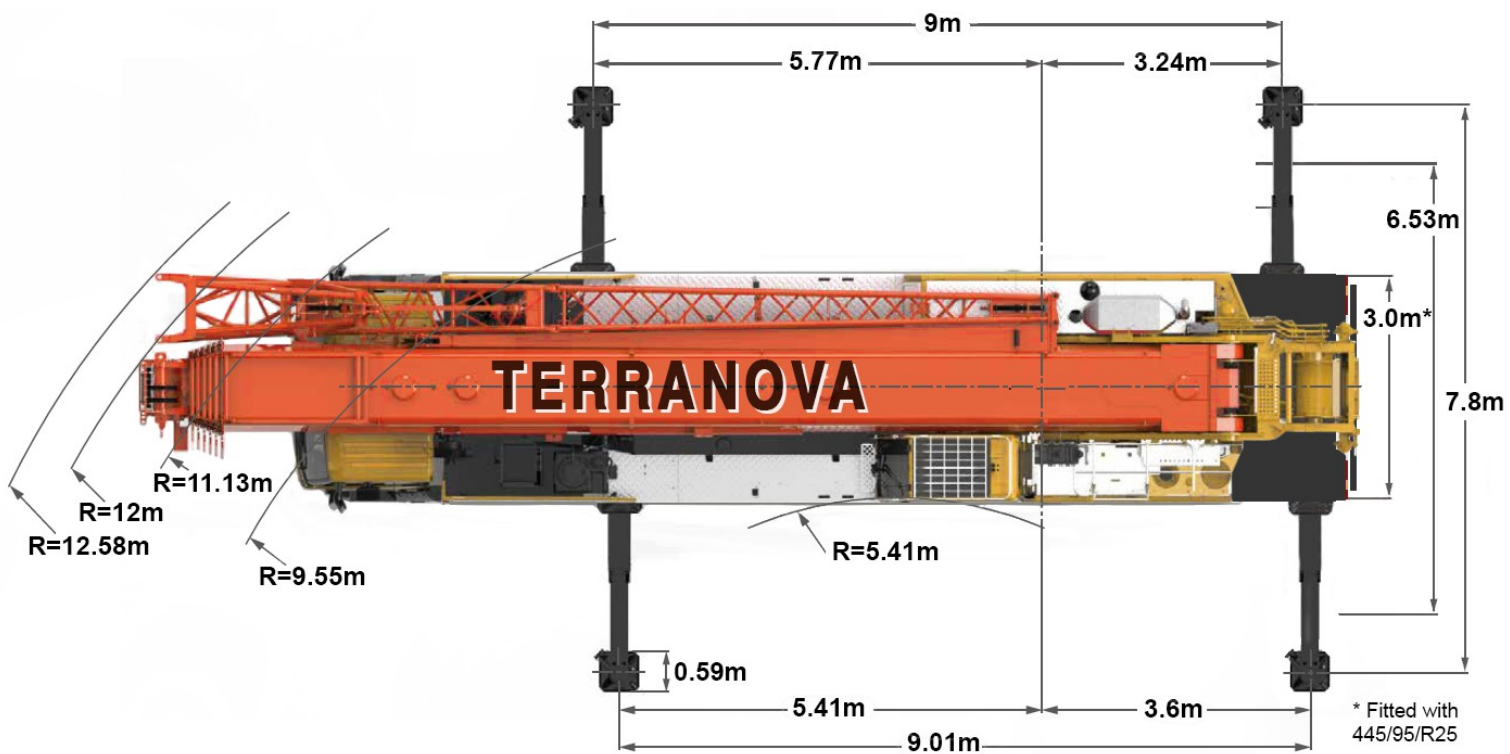
Boom Telescoping Length (Time); 13.9 m to 75 m (< 620s)

Dimensions - Vehicle

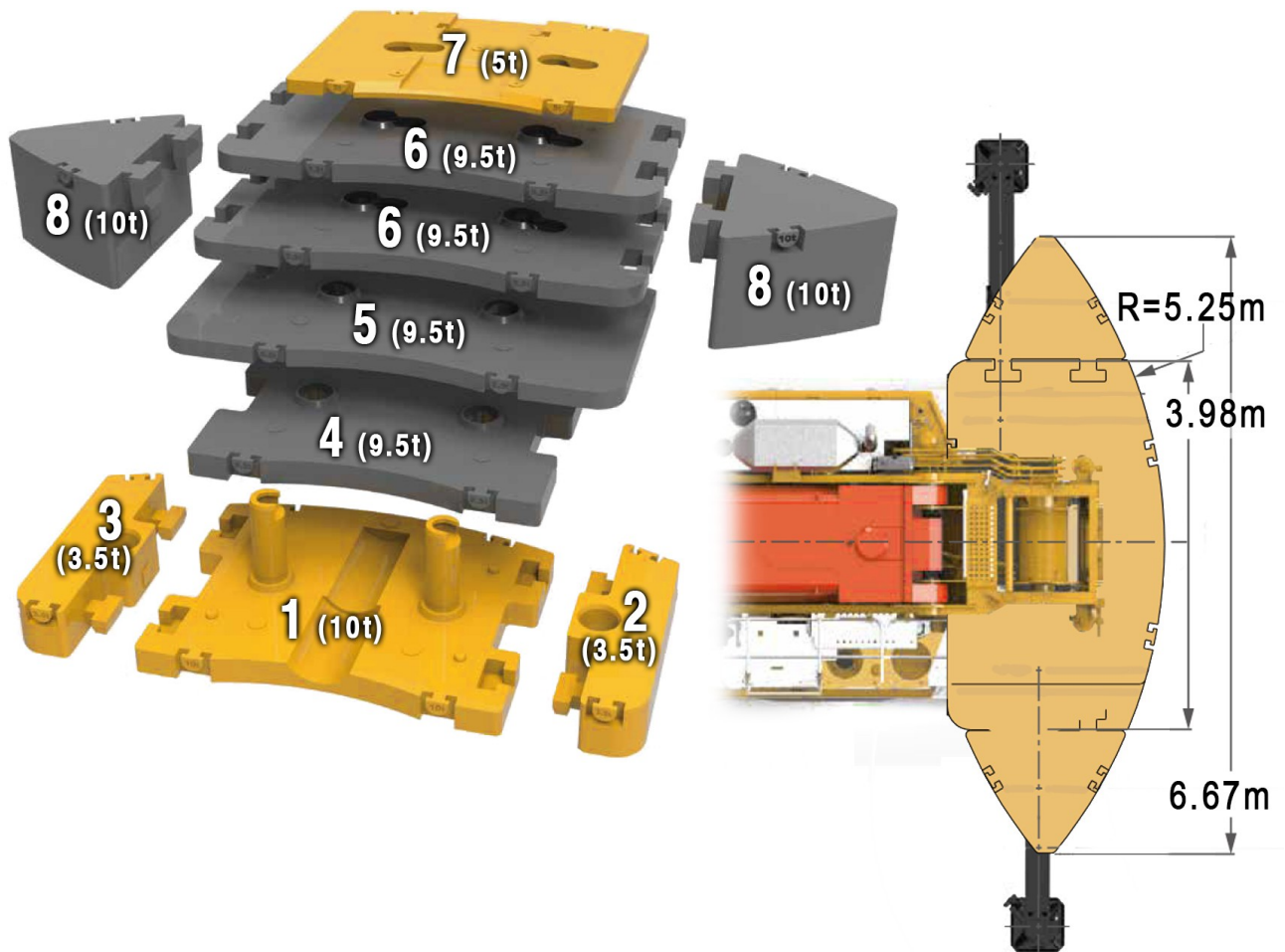
Side Dimensions



Top Down Dimensions

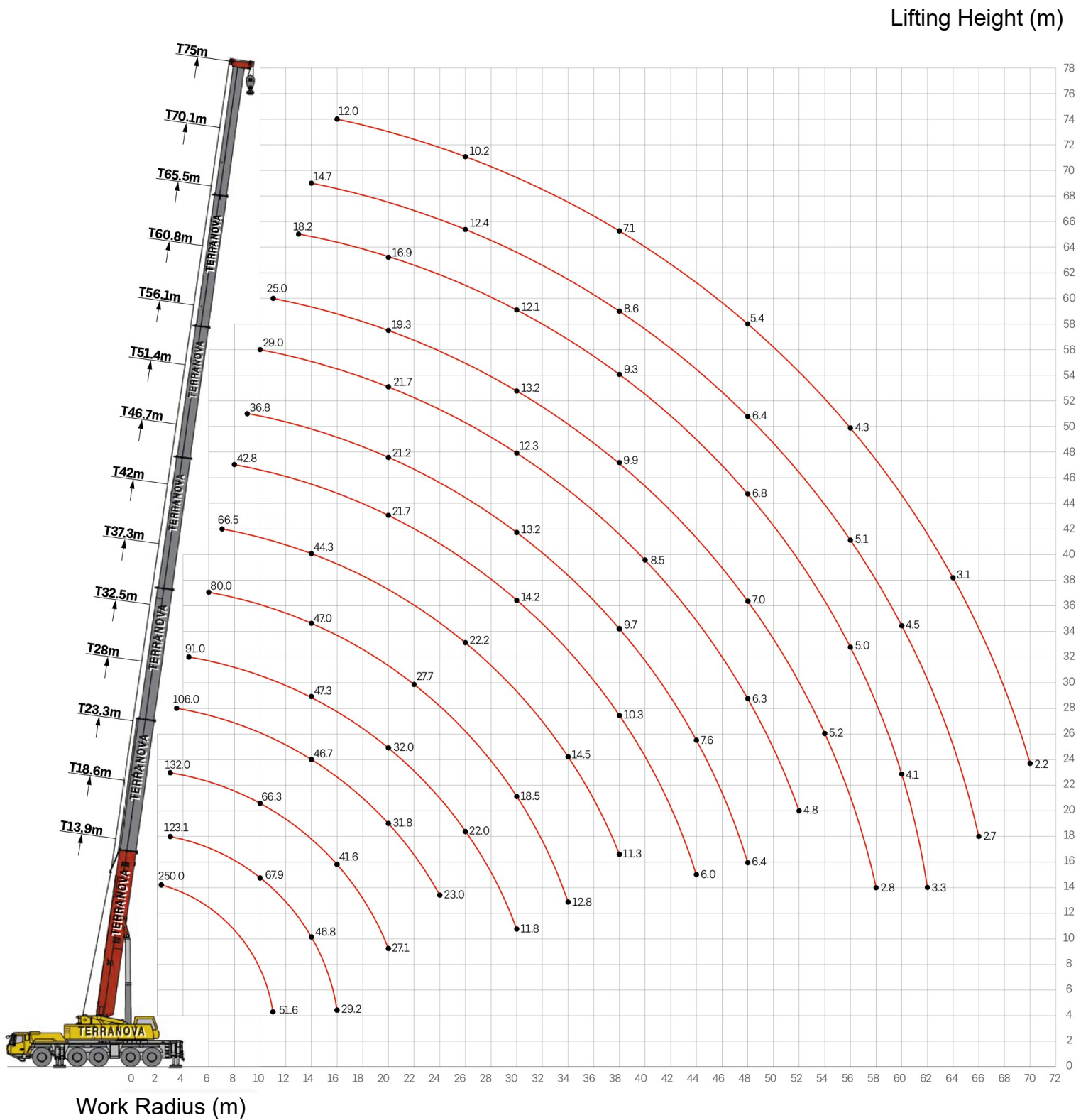


Counterweight Combinations (tonne, m)



Total Weight (t)	1	2	3	4	5	6	7	8
	10 t	3.5 t	3.5 t	9.5 t	9.5 t	9.5 t	5 t	10 t
0 t								
5 t							O	
10 t	O							
15 t	O						O	
17 t	O	O	O					
22 t	O	O	O				O	
26.5 t	O	O	O	O				
31.5 t	O	O	O	O			O	
36 t	O	O	O	O	O			
41 t	O	O	O	O	O		O	
45.5 t	O	O	O	O	O	O		
50.5 t	O	O	O	O	O	O	O	
55 t	O	O	O	O	O	O 2x		
60 t	O	O	O	O	O	O 2x	O	
80 t	O	O	O	O	O	O 2x	O	O 2x

Telescopic Boom (T) - Working Range (tonne, m)



Telescopic Boom (tonne, m) - 80t CW

Main Boom, Outrigger 100%, 360°, 80 t counterweights.

(t) Tonne

 m	13.9	18.6	23.3	28.0	32.5	37.3	42.0	46.7	51.4	56.1	60.8	65.5	70.1	75.0	 m
2.5	250*														2.5
3	134.0	123.1	132.0												3
3.5	134.0	123.1	129.8	106.0											3.5
4	130.5	123.1	122.8	106.0											4
4.5	122.1	117.7	114.6	106.0	91.0										4.5
5	114.7	110.6	107.5	100.2	91.0										5
6	102.1	98.6	95.6	94.1	89.5	80.0									6
7	91.5	88.9	86.2	84.7	82.4	76.0	66.5								7
8	82.2	80.8	78.4	77.1	75.4	69.0	66.5	42.8							8
9	73.8	73.9	71.9	70.7	68.5	67.1	62.7	42.8	36.8						9
10	64.3	67.9	66.3	65.3	62.7	61.8	57.9	41.6	36.8	29.0					10
11	51.6	62.4	61.4	59.7	58.5	57.6	54.2	39.0	36.2	29.0	25.0				11
12		57.2	57.1	55.0	54.5	53.5	50.4	36.8	33.9	29.0	25.0				12
13		52.2	52.5	50.7	50.7	50.2	47.2	34.6	32.3	29.0	25.0	18.2			13
14		46.8	48.4	46.7	47.3	47.0	44.3	33.0	30.5	28.4	24.6	18.2	14.7		14
16		29.2	41.6	40.9	40.9	41.9	39.4	29.4	27.7	26.0	22.7	18.2	14.7	12.0	16
18			35.6	36.4	35.9	37.2	35.7	26.2	25.0	23.7	20.9	18.2	14.7	12.0	18
20			27.1	31.8	32.0	32.0	32.4	21.7	21.2	21.7	19.3	16.9	14.7	12.0	20
22				27.5	28.4	27.7	28.6	19.6	19.1	19.2	17.9	15.9	13.9	11.8	22
24				23.0	24.9	24.2	25.1	17.9	17.2	16.1	16.7	14.7	13.1	11.0	24
26					22.0	21.4	22.2	16.6	15.5	14.5	15.4	13.8	12.4	10.2	26
28					19.6	20.0	19.8	15.3	14.3	13.3	14.4	13.0	11.6	9.6	28
30					11.8	18.5	17.8	14.2	13.2	12.3	13.2	12.1	11.0	9.1	30
32						16.7	16.0	13.2	12.1	11.3	12.3	11.4	10.3	8.5	32
34						12.8	14.5	12.1	11.2	10.5	11.5	10.6	9.8	8.1	34
36							13.1	11.0	10.4	9.8	10.8	9.9	9.2	7.6	36
38							11.3	10.3	9.7	9.0	9.9	9.3	8.6	7.1	38
40								9.2	9.0	8.5	9.3	8.7	8.2	6.8	40
42								8.5	8.3	7.8	8.7	8.2	7.7	6.3	42
44								6.0	7.6	7.3	8.1	7.7	7.3	6.0	44
46									7.0	6.8	7.5	7.3	6.9	5.7	46
48									6.4	6.3	7.0	6.8	6.4	5.4	48
50										5.9	6.4	6.4	6.1	5.2	50
52										4.8	5.8	6.0	5.8	4.8	52
54											5.2	5.5	5.4	4.6	54
56											4.9	5.0	5.1	4.3	56
58											2.8	4.6	4.8	4.0	58
60												4.1	4.5	3.7	60
62												3.3	4.1	3.5	62
64													3.8	3.1	64
66														2.7	66
68														2.6	68
70														2.2	70

* load over rear, requiring additional equipment.

Telescopic Boom (tonne, m) - 60t CW

Main Boom, Outrigger 100%, 360°, 60 t counterweights.

(t) Tonne

	13.9	18.6	23.3	28.0	32.5	37.3	42.0	46.7	51.4	56.1	60.8	65.5	70.1	75.0	
3	134.0	123.1	132.0												3
3.5	134.0	123.1	129.8	106.0											3.5
4	130.5	123.1	122.8	106.0											4
4.5	122.1	117.7	114.6	106.0	91.0										4.5
5	114.3	110.6	107.5	100.2	91.0										5
6	101.0	98.6	95.6	94.1	89.5	80.0									6
7	90.3	88.9	86.2	84.7	82.4	76.0	66.5								7
8	81.0	80.8	78.4	77.1	75.4	69.0	66.5	42.8							8
9	71.8	72.2	71.9	70.7	68.5	67.1	62.7	42.8	36.8						9
10	64.3	64.7	64.7	65.3	62.7	61.8	57.9	41.6	36.8	29.0					10
11	51.6	58.5	58.5	59.2	58.5	55.5	54.2	39.0	36.2	29.0	25.0				11
12		53.3	53.3	53.7	52.8	50.0	49.3	36.8	33.9	29.0	25.0				12
13		48.5	49.0	48.5	47.8	45.3	44.9	34.6	32.3	29.0	25.0	18.2			13
14		43.2	43.6	43.4	43.7	41.4	41.1	33.0	30.5	28.4	24.6	18.2	14.7		14
16		29.2	35.5	35.7	36.3	35.0	35.0	29.4	27.7	26.0	22.7	18.2	14.7	12.0	16
18			29.6	30.7	30.3	29.6	30.2	26.2	25.0	23.7	20.9	18.2	14.7	12.0	18
20			25.5	26.1	25.8	26.7	26.0	21.7	21.2	21.7	19.3	16.9	14.7	12.0	20
22				22.5	22.2	23.1	22.4	19.6	19.1	19.2	17.9	15.9	13.9	11.8	22
24				19.6	19.3	20.2	19.5	17.9	17.2	16.1	16.7	14.7	13.1	11.0	24
26					16.9	17.8	17.1	16.4	15.5	14.5	15.4	13.8	12.4	10.2	26
28					14.9	15.8	15.1	14.4	14.3	13.3	14.4	13.0	11.6	9.6	28
30					11.8	14.1	13.4	12.8	12.6	12.3	13.0	12.1	11.0	9.1	30
32						12.6	12.0	11.3	11.2	11.3	11.6	11.4	10.3	8.5	32
34						11.4	10.7	10.1	9.9	10.1	10.3	10.6	9.8	8.1	34
36							9.7	9.3	9.2	9.2	9.4	9.6	9.2	7.6	36
38							8.8	8.6	8.6	8.6	8.7	8.6	8.6	7.1	38
40								7.9	8.1	7.8	8.1	7.8	8.1	6.8	40
42								7.2	7.6	7.1	7.6	7.2	7.3	6.3	42
44								6.0	7.1	6.6	7.1	6.8	6.6	6.0	44
46									6.6	6.1	6.7	6.3	6.0	5.7	46
48									6.0	5.6	6.1	5.9	5.4	5.4	48
50										5.1	5.5	5.3	4.8	4.9	50
52										4.7	5.1	4.8	4.3	4.4	52
54											4.6	4.4	3.9	3.9	54
56											4.3	3.9	3.5	3.5	56
58											2.8	3.6	3.1	3.1	58
60												3.2	2.7	2.8	60
62												2.8	2.4	2.4	62
64													2.1	2.1	64
66													1.8	1.8	66
68														1.5	68
70														1.3	70

Telescopic Boom (tonne, m) - 50.5t CW

Main Boom, Outrigger 100%, 360°, 50.5 t counterweights.

(t) Tonne

	13.9	18.6	23.3	28.0	32.5	37.3	42.0	46.7	51.4	56.1	60.8	65.5	70.1	75.0	
3	134.0	123.1	132.0												3
3.5	134.0	123.1	129.8	106.0											3.5
4	130.5	123.1	122.8	106.0											4
4.5	121.5	117.7	114.6	106.0	91.0										4.5
5	113.6	110.6	107.5	100.2	91.0										5
6	100.4	98.6	95.6	94.1	89.5	80.0									6
7	89.3	88.9	86.2	84.7	82.4	76.0	66.5								7
8	78.2	78.5	78.4	77.1	75.4	69.0	66.5	42.8							8
9	69.4	69.7	69.7	68.5	66.5	62.4	60.9	42.8	36.8						9
10	62.1	62.4	61.9	59.9	58.5	55.0	54.0	41.6	36.8	29.0					10
11	51.6	56.1	55.9	53.0	52.0	49.0	48.3	39.0	36.2	29.0	25.0				11
12		48.7	49.2	47.4	46.7	44.1	43.6	36.8	33.9	29.0	25.0				12
13		42.8	43.3	44.1	42.2	39.9	39.6	34.6	32.3	29.0	25.0	18.2			13
14		38.0	38.5	39.7	38.5	36.7	36.2	33.0	30.5	28.4	24.6	18.2	14.7		14
16		29.2	31.2	32.3	31.9	32.5	30.7	28.9	27.7	26.0	22.7	18.2	14.7	12.0	16
18			26.8	26.9	26.5	27.5	26.4	24.8	24.0	23.5	20.9	18.2	14.7	12.0	18
20			22.7	22.8	22.5	23.4	22.7	21.5	20.8	20.4	19.3	16.9	14.7	12.0	20
22				19.6	19.2	20.1	19.4	18.7	18.2	18.2	17.8	15.9	13.9	11.8	22
24				17.5	16.6	17.5	16.8	16.1	16.0	16.1	15.7	14.7	13.1	11.0	24
26					14.5	15.4	14.7	14.2	14.1	14.2	14.2	13.8	12.4	10.2	26
28					12.7	13.6	13.1	13.0	12.8	13.3	12.6	12.5	11.6	9.6	28
30					11.1	12.0	11.6	11.6	11.7	11.8	11.8	11.2	11.0	9.1	30
32						10.7	10.2	10.3	10.5	10.9	10.5	10.3	10.3	8.5	32
34						9.6	9.4	9.4	9.8	9.8	9.8	9.5	9.3	8.1	34
36							8.5	8.6	8.9	8.7	9.0	8.8	8.3	7.6	36
38							7.6	7.9	8.0	7.8	8.3	7.9	7.4	7.1	38
40								7.1	7.3	7.0	7.5	7.1	6.6	6.7	40
42								6.6	6.7	6.6	6.8	6.4	5.9	5.9	42
44								6.0	6.1	6.1	6.1	5.7	5.3	5.3	44
46									5.5	5.7	5.5	5.2	4.7	4.7	46
48									4.9	5.3	5.0	4.6	4.1	4.2	48
50										4.9	4.5	4.1	3.7	3.7	50
52										4.4	4.1	3.7	3.2	3.3	52
54											3.6	3.3	2.8	2.8	54
56											3.3	2.9	2.4	2.5	56
58											2.8	2.5	2.1	2.1	58
60												2.2	1.7	1.8	60
62												1.9	1.4	1.5	62
64													1.1	1.2	64
66													0.9	0.9	66
68														0.7	68

Telescopic Boom (tonne, m) - 41t CW

Main Boom, Outrigger 100%, 360°, 41 t counterweights.

(t) Tonne

	13.9	18.6	23.3	28.0	32.5	37.3	42.0	46.7	51.4	56.1	60.8	65.5	70.1	75.0	
3	134.0	123.1	132.0												3
3.5	134.0	123.1	129.8	106.0											3.5
4	129.7	123.1	122.8	106.0											4
4.5	120.7	117.7	114.6	106.0	91.0										4.5
5	112.9	110.6	107.5	100.2	91.0										5
6	99.8	98.6	95.6	94.1	89.5	80.0									6
7	86.2	86.5	86.2	83.0	79.3	73.6	66.5								7
8	75.4	75.7	74.5	69.8	67.3	62.8	61.0	42.8							8
9	66.8	67.1	63.7	60.1	58.2	54.5	53.3	42.8	36.8						9
10	56.0	57.5	55.3	54.0	51.1	47.9	47.1	41.6	36.8	29.0					10
11	47.5	49.0	48.7	47.8	45.3	44.6	42.1	39.0	36.2	29.0	25.0				11
12		42.5	42.9	42.8	40.6	40.2	37.9	35.7	33.9	29.0	25.0				12
13		37.8	37.6	38.6	36.7	36.5	34.4	32.3	31.1	29.0	25.0	18.2			13
14		33.5	34.4	34.5	33.3	33.3	31.3	29.4	28.3	27.6	24.6	18.2	14.7		14
16		26.9	27.9	28.0	27.6	28.1	26.4	25.0	23.8	23.6	22.7	18.2	14.7	12.0	16
18			23.7	23.6	22.8	23.7	22.5	22.2	21.5	20.9	19.7	18.2	14.7	12.0	18
20			20.2	20.6	19.2	20.1	19.5	19.2	19.0	18.1	17.7	16.9	14.7	12.0	20
22				17.7	16.3	17.2	16.7	16.7	16.7	16.6	15.9	14.9	13.9	11.8	22
24				15.4	14.0	14.9	14.6	14.4	14.7	14.8	14.0	13.6	13.1	11.0	24
26					12.1	12.9	12.9	12.9	13.3	13.1	12.9	12.6	11.8	10.2	26
28					11.1	11.5	11.3	11.6	11.7	11.5	12.0	11.3	10.5	9.6	28
30					10.3	10.1	10.0	10.2	10.4	10.4	10.6	10.1	9.3	9.1	30
32						9.0	8.8	9.2	9.4	9.4	9.4	9.0	8.3	8.2	32
34						7.9	7.8	8.6	8.3	8.8	8.4	8.0	7.4	7.3	34
36							7.1	7.9	7.4	7.9	7.5	7.1	6.6	6.5	36
38							6.6	7.1	6.6	7.1	6.7	6.3	5.8	5.8	38
40								6.4	5.9	6.4	6.0	5.6	5.1	5.1	40
42								5.7	5.3	5.7	5.3	5.0	4.5	4.5	42
44								5.1	4.7	5.1	4.8	4.4	3.9	3.9	44
46									4.2	4.6	4.2	3.9	3.4	3.4	46
48									3.7	4.1	3.8	3.4	2.9	2.9	48
50										3.7	3.3	3.0	2.5	2.5	50
52										3.3	2.9	2.6	2.1	2.1	52
54											2.6	2.2	1.7	1.7	54
56											2.2	1.8	1.4	1.4	56
58											1.9	1.5	1.0	1.0	58
60												1.2	0.7	0.7	60
62												0.9			62

Telescopic Boom (tonne, m) - 31.5t CW

Main Boom, Outrigger 100%, 360°, 31.5 t counterweights.

(t) Tonne

	13.9	18.6	23.3	28.0	32.5	37.3	42.0	46.7	51.4	56.1	60.8	65.5	70.1	75.0	
3	134.0	123.1	132.0												3
3.5	134.0	123.1	129.8	106.0											3.5
4	128.8	123.1	122.8	106.0											4
4.5	119.9	117.7	114.6	106.0	91.0										4.5
5	111.7	110.6	107.5	100.2	91.0										5
6	96.5	96.6	93.5	87.7	82.9	76.2									6
7	83.1	82.5	77.0	72.4	68.4	63.4	61.2								7
8	72.0	68.1	64.2	61.9	57.9	56.3	52.5	42.8							8
9	57.8	57.6	54.6	53.1	50.0	48.9	45.7	42.7	36.8						9
10	47.8	49.3	47.3	46.3	43.7	43.0	40.4	37.7	36.0	29.0					10
11	40.4	42.5	41.5	40.9	38.7	38.3	36.1	33.6	32.1	29.0	25.0				11
12		36.7	37.7	36.5	34.5	34.4	32.5	30.9	29.3	28.7	25.0				12
13		32.1	33.1	32.8	31.1	31.0	29.3	28.4	27.7	26.4	24.9	18.2			13
14		28.4	29.3	30.5	28.1	28.2	26.7	25.8	25.3	24.1	22.7	18.2	14.7		14
16		23.1	24.4	24.8	23.3	23.7	22.3	21.7	21.4	21.2	20.2	18.2	14.7	12.0	16
18			20.1	20.5	19.1	20.0	19.5	18.4	18.9	18.2	17.5	16.6	14.7	12.0	18
20			16.9	17.3	15.9	17.0	16.8	16.6	16.4	16.0	15.9	15.0	14.1	12.0	20
22				14.8	14.1	14.4	14.2	14.5	14.5	14.7	13.9	13.1	12.2	11.8	22
24				12.7	13.0	12.4	12.2	13.0	12.8	13.0	12.2	11.5	10.7	10.4	24
26					11.8	10.7	10.5	11.6	11.1	11.6	10.8	10.2	9.3	9.1	26
28					10.4	9.3	9.5	10.1	9.7	10.2	9.6	9.0	8.2	8.0	28
30					9.2	8.1	8.9	8.9	8.5	8.9	8.5	7.9	7.2	7.0	30
32						7.0	8.1	7.9	7.5	7.9	7.5	7.0	6.3	6.2	32
34						6.5	7.4	7.0	6.6	7.0	6.6	6.2	5.5	5.4	34
36							6.6	6.2	5.8	6.2	5.8	5.4	4.8	4.7	36
38							5.9	5.5	5.1	5.5	5.1	4.7	4.1	4.0	38
40								4.9	4.4	4.9	4.5	4.1	3.5	3.5	40
42								4.3	3.9	4.3	3.9	3.4	2.9	2.9	42
44								3.8	3.3	3.8	3.3	2.9	2.3	2.4	44
46									2.8	3.3	2.8	2.4	1.9	1.9	46
48									2.3	2.8	2.4	1.9	1.4	1.4	48
50										2.4	1.9	1.6	1.0	1.0	50
52										2.0	1.6	1.1			52
54											1.2	0.8			54
56											0.9				56

Telescopic Boom (tonne, m) - 22t CW

Main Boom, Outrigger 100%, 360°, 22 t counterweights.

(t) Tonne

 m	13.9	18.6	23.3	28.0	32.5	37.3	42.0	46.7	51.4	56.1	60.8	65.5	70.1	75.0	 m
3	134.0	123.1	132.0												3
3.5	134.0	123.1	129.8	106.0											3.5
4	128.0	123.1	122.8	106.0											4
4.5	119.2	117.7	114.6	106.0	91.0										4.5
5	110.3	110.6	103.0	94.8	88.2										5
6	93.0	87.7	80.7	75.2	70.0	66.8									6
7	74.4	69.5	64.8	62.1	57.6	55.6	51.7								7
8	60.4	57.9	53.8	52.0	48.6	47.3	44.2	40.7							8
9	48.2	48.8	47.0	45.0	41.7	41.0	38.4	36.7	35.0						9
10	39.7	41.8	40.6	40.2	36.3	35.9	33.7	32.4	31.4	29.0					10
11	33.3	35.4	35.6	35.5	32.0	31.8	29.9	28.8	28.2	27.1	24.8				11
12		30.4	32.3	31.6	28.5	28.5	27.4	25.8	25.9	24.8	23.5				12
13		26.4	28.3	28.4	25.5	25.8	24.7	23.8	23.6	22.5	21.6	18.2			13
14		23.7	25.0	25.5	22.9	23.4	22.4	21.9	21.7	20.8	20.4	18.1	14.7		14
16		18.7	20.0	20.5	18.9	19.5	18.6	19.3	18.2	18.2	17.2	16.3	14.7	12.0	16
18			16.4	16.8	17.1	16.4	15.7	16.5	15.5	15.6	14.7	13.8	12.8	12.0	18
20			13.6	14.0	14.9	13.7	13.8	14.2	13.2	13.4	12.6	11.8	10.8	10.6	20
22				11.8	12.7	11.5	12.5	12.3	11.4	11.6	10.8	10.1	9.2	9.0	22
24				10.5	10.9	9.7	11.0	10.6	9.9	10.1	9.4	8.7	7.8	7.7	24
26					9.3	8.8	9.5	9.1	8.6	8.8	8.1	7.5	6.7	6.5	26
28					8.1	8.1	8.3	7.8	7.3	7.8	7.1	6.5	5.7	5.5	28
30					6.9	7.4	7.2	6.7	6.1	6.7	6.2	5.6	4.8	4.7	30
32						6.5	6.2	5.7	5.2	5.8	5.3	4.8	4.0	3.9	32
34						5.6	5.3	4.8	4.4	4.9	4.4	4.0	3.4	3.3	34
36							4.7	4.1	3.6	4.1	3.7	3.3	2.7	2.7	36
38							4.0	3.5	3.0	3.5	3.0	2.6	2.0	2.1	38
40								2.9	2.4	2.9	2.5	2.0	1.5	1.5	40
42								2.4	1.9	2.4	1.9	1.5	0.9	1.0	42
44								1.8	1.4	2.0	1.5	1.1			44
46									1.0	1.5	1.0				46
48										1.1	0.7				48
50										0.8					50

Telescopic Boom (tonne, m) - 0t CW

Main Boom, Outrigger 100%, 360°, no counterweights.

(t) Tonne

	13.9	18.6	23.3	28.0	32.5	37.3	42.0	46.7	51.4	56.1	60.8	65.5	70.1	75.0	
3	134.0	123.1	132.0												3
3.5	134.0	123.1	111.1	93.9											3.5
4	120.3	102.3	88.4	79.5											4
4.5	93.8	83.7	74.3	67.1	59.5										4.5
5	76.3	69.7	63.6	59.6	51.6										5
6	54.5	51.4	49.6	46.2	40.4	39.1									6
7	41.5	40.1	39.5	37.3	36.0	31.5	31.7								7
8	28.7	32.6	31.9	30.2	29.6	26.9	26.5	24.3							8
9	20.9	24.8	26.2	25.1	24.9	24.1	22.5	20.7	19.0						9
10	15.6	19.2	21.3	22.2	21.4	20.7	19.4	17.8	16.3	16.2					10
11	11.8	15.3	17.2	18.8	18.5	18.0	16.9	15.5	14.2	14.2	13.0				11
12		12.2	14.1	15.6	16.0	15.8	14.9	13.6	12.4	12.5	11.4				12
13		9.9	11.7	13.2	13.5	14.0	13.1	12.0	10.9	11.0	10.0	9.1			13
14		8.0	9.7	11.2	11.5	12.0	11.7	10.6	9.6	9.8	8.8	8.0	6.9		14
16		5.1	6.8	8.2	8.5	8.9	8.7	8.1	7.5	7.7	6.9	6.1	5.2	5.0	16
18			4.7	6.0	6.4	6.8	6.5	5.9	5.3	6.0	5.4	4.7	3.8	3.6	18
20			3.1	4.4	4.8	5.2	4.9	4.3	3.8	4.3	3.8	3.3	2.6	2.6	20
22				3.2	3.4	3.9	3.6	3.1	2.5	3.1	2.6	2.1	1.4	1.5	22
24				2.2	2.5	2.8	2.6	2.1	1.5	2.1	1.6	1.1			24
26					1.6	2.0	1.8	1.3	0.7	1.3	0.8				26
28					0.9	1.3	1.1								28
30						0.7									30

Jib Configuration (TJ/TH) (tonne, m)

Jib Sections

11.2m



 5.1m adapter



6.1m tapered section

20m



8.8m foldable section

Boom and Jib Working Conditions

Main Boom (T)

Maximum lifting capacity	250 t
Maximum Boom length	75m
Maximum radius	70m
Maximum height	74m

Boom & Fixed Jib (TJ)

Maximum lifting capacity	6 t
Maximum Boom length	75 + 20 m
Maximum radius	82 m
Maximum height	93 m

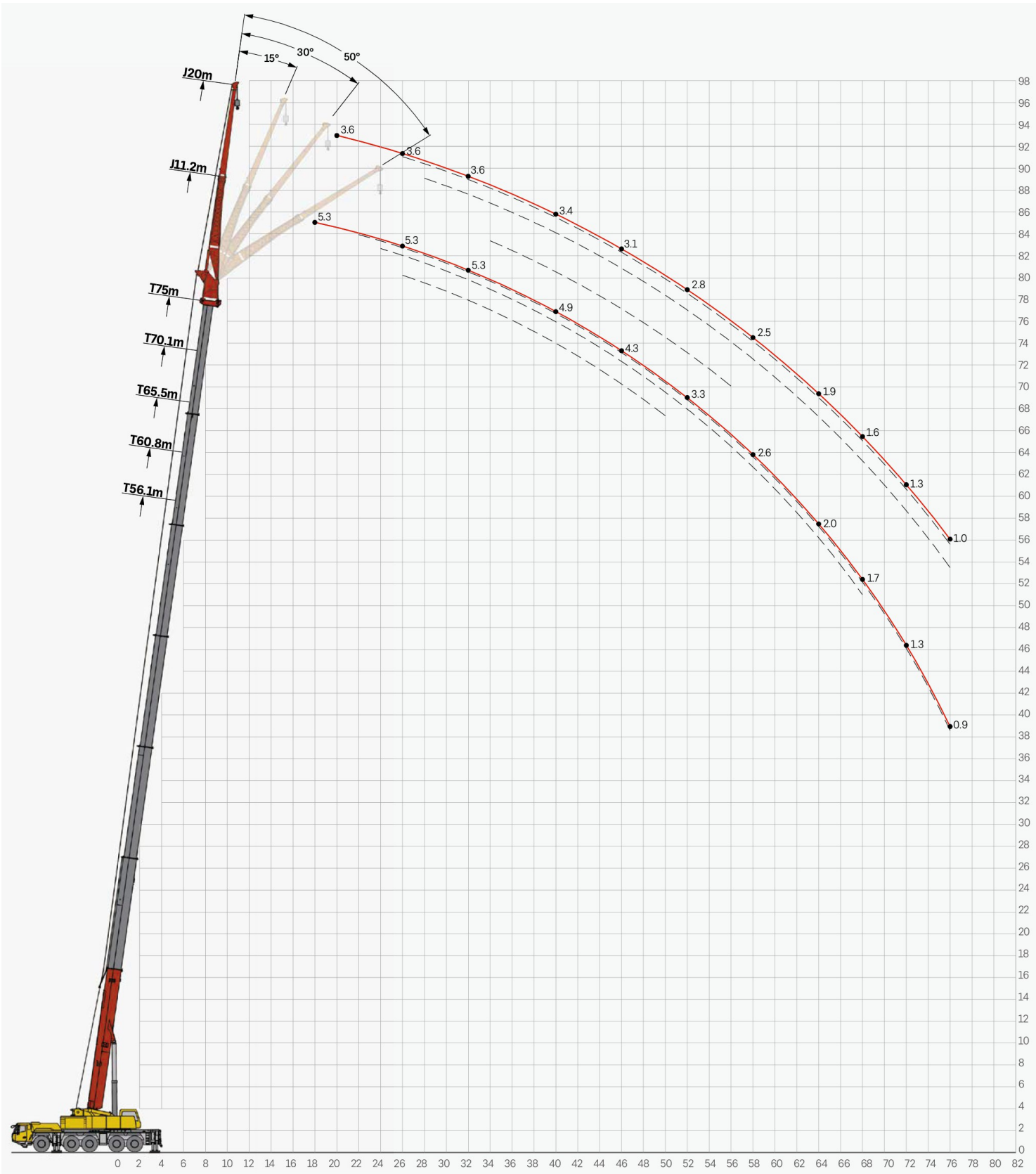
Boom & Hydraulically Adjustable Jib (TH)

Maximum lifting capacity	6 t
Maximum Boom length	75 + 20 m
Maximum radius	82 m
Maximum height	93 m

Jib Configuration - Working Range (tonne, m)

Main & Jib (TJ/TH)

Lifting Height (m)



Work Radius (m)

Jib Configuration (TJ/TH) (tonne, m) - 11.2m Jib

Main & Jib (TJ/TH), Outrigger 100%, 360°, 80 t counterweights, 11.2 m jib

	56.1				60.8				65.5				70.1				75.0				
	11.2				11.2				11.2				11.2				11.2				
	0°	15°	30°	50°	0°	15°	30°	50°	0°	15°	30°	50°	0°	15°	30°	50°	0°	15°	30°	50°	
13	14.6																				13
14	14.6				13.0																14
16	14.6	9.9			12.9				11.2												16
18	14.5	9.6	6.6		12.8	10.3			11.0	10.8			6.9				5.3				18
20	14.1	9.3	6.4	4.9	12.5	10.1	6.6		10.9	10.6	6.7		6.9	7.0			5.3				20
22	13.7	9.0	6.3	4.8	12.3	9.9	6.5	4.8	10.8	10.4	6.7	4.8	6.9	7.0	6.0		5.3	5.3			22
24	13.2	8.6	6.1	4.7	11.9	9.6	6.4	4.7	10.5	10.2	6.7	4.7	6.9	7.0	6.0	5.1	5.3	5.3	5.3		24
26	12.6	8.2	5.9	4.6	11.3	9.1	6.3	4.6	10.0	9.7	6.7	4.6	6.9	7.0	6.0	5.1	5.3	5.3	5.3	5.4	26
28	12.0	7.9	5.8	4.6	10.8	8.7	6.2	4.6	9.6	9.3	6.7	4.6	6.9	7.0	6.0	5.0	5.3	5.3	5.3	5.4	28
30	11.3	7.5	5.7	4.5	10.2	8.3	6.2	4.5	9.1	8.9	6.7	4.5	6.9	7.0	6.0	4.9	5.3	5.3	5.3	5.4	30
32	10.6	7.1	5.5	4.5	9.6	7.9	6.1	4.5	8.6	8.5	6.7	4.5	6.9	6.9	6.0	4.9	5.3	5.3	5.3	5.3	32
34	9.8	6.8	5.4	4.4	9.0	7.5	6.1	4.4	8.2	8.1	6.7	4.4	6.7	6.7	6.0	4.8	5.3	5.3	5.3	5.2	34
36	9.1	6.4	5.3	4.4	8.4	7.1	6.0	4.4	7.8	7.7	6.7	4.4	6.4	6.5	6.0	4.8	5.1	5.2	5.2	5.2	36
38	8.4	6.1	5.2	4.4	7.9	6.7	5.9	4.4	7.3	7.2	6.7	4.4	6.2	6.2	5.9	4.7	5.1	5.2	5.2	5.1	38
40	7.8	5.9	5.0	4.4	7.3	6.3	5.9	4.4	6.8	6.7	6.7	4.4	5.8	5.9	5.9	4.7	4.9	5.0	5.0	4.9	40
42	7.3	5.7	5.0		6.8	6.0	5.8	4.3	6.3	6.3	6.6	4.3	5.6	5.6	5.8	4.6	4.8	4.9	4.9	4.9	42
44	6.7	5.4	5.0		6.3	5.6	5.5		5.9	5.9	6.0	4.3	5.3	5.3	5.4	4.5	4.7	4.8	4.8	4.7	44
46	6.0	5.1	4.9		5.7	5.2	5.2		5.4	5.4	5.5		4.9	4.9	5.0	4.3	4.3	4.3	4.3	4.3	46
48	5.3	4.9	4.7		5.2	5.0	4.9		5.0	5.1	5.1		4.6	4.6	4.7		4.0	4.0	4.0	4.1	48
50	4.6	4.5	4.3		4.7	4.6	4.5		4.7	4.7	4.8		4.2	4.3	4.3		3.6	3.7	3.6	3.8	50
52	4.2	4.1	4.0		4.3	4.2	4.2		4.3	4.4	4.4		4.0	4.0	4.0		3.3	3.4	3.4		52
54	3.9	3.9	3.9		4.0	4.0	4.0		4.0	4.1	4.1		3.7	3.8	3.8		3.1	3.1	3.1		54
56	3.7	3.8			3.7	3.7	3.8		3.7	3.7	3.7		3.4	3.6	3.6		2.8	2.9	2.9		56
58	3.4	3.5			3.4	3.4	3.3		3.3	3.3	3.3		3.2	3.3	3.2		2.6	2.7	2.7		58
60	3.0	3.1			3.1	3.1			3.1	3.1	3.1		3.0	3.1	3.0		2.4	2.5	2.4		60
62	2.8				2.9	2.9			2.9	2.9			2.8	2.9	2.8		2.3	2.3	2.3		62
64					2.6	2.6			2.8	2.7			2.7	2.7	2.6		2.0	2.1	2.0		64
66					2.3				2.6	2.6			2.5	2.5			1.9	1.9	1.8		66
68					0.8				2.3	2.3			2.3	2.3			1.7	1.8	1.7		68
70									2.0				2.0	2.0			1.5	1.5			70
72									0.9				1.7	1.8			1.3	1.3			72
74													1.5	1.6			1.0	1.0			74
76													1.0				0.9	0.9			76

Jib Configuration (tonne, m)- 20m Jib

Main & Jib (TJ/TH), Outrigger 100%, 360°, 80 t counterweights, 20 m jib

	(t) Tonne																				
	56.1				60.8				65.5				70.1				75.0				
	20.0				20.0				20.0				20.0				20.0				
	0°	15°	30°	50°	0°	15°	30°	50°	0°	15°	30°	50°	0°	15°	30°	50°	0°	15°	30°	50°	
16	6.0																				16
18	5.9				5.3				4.7												18
20	5.7	5.5			5.2				4.7				4.1				3.6				20
22	5.5	5.3			5.0	5.0			4.6	4.8			4.1				3.6				22
24	5.3	5.0	2.8		4.9	4.8			4.5	4.6			4.1	4.1			3.6				24
26	5.1	4.7	2.7		4.7	4.6	2.8		4.4	4.5	2.8		4.0	4.1			3.6	3.7			26
28	4.9	4.5	2.6	2.1	4.6	4.4	2.7		4.3	4.3	2.8		4.0	4.0	2.8		3.6	3.7	2.9		28
30	4.7	4.3	2.5	2.1	4.4	4.2	2.6	2.1	4.2	4.1	2.7	2.1	3.9	3.9	2.7		3.6	3.7	2.8		30
32	4.5	4.1	2.5	2.1	4.3	4.0	2.5	2.1	4.1	4.0	2.6	2.1	3.9	3.8	2.7	2.0	3.6	3.6	2.7		32
34	4.3	3.9	2.4	2.0	4.2	3.9	2.5	2.0	4.0	3.8	2.5	2.0	3.8	3.7	2.6	2.0	3.6	3.6	2.6	2.0	34
36	4.1	3.7	2.3	2.0	4.0	3.7	2.4	2.0	3.9	3.7	2.5	2.0	3.7	3.6	2.6	2.0	3.6	3.5	2.6	2.0	36
38	4.0	3.6	2.3	2.0	3.9	3.6	2.4	2.0	3.8	3.6	2.4	2.0	3.6	3.5	2.5	2.0	3.5	3.5	2.5	2.0	38
40	3.8	3.4	2.3	2.0	3.8	3.4	2.3	2.0	3.7	3.4	2.4	2.0	3.5	3.4	2.4	2.0	3.4	3.3	2.5	2.0	40
42	3.7	3.3	2.2	2.0	3.6	3.3	2.3	2.0	3.6	3.3	2.4	2.0	3.4	3.3	2.4	2.0	3.3	3.3	2.5	2.0	42
44	3.5	3.1	2.2	2.0	3.5	3.1	2.2	2.0	3.5	3.1	2.3	2.0	3.3	3.2	2.3	2.0	3.2	3.2	2.4	2.0	44
46	3.3	3.0	2.2	1.9	3.4	3.0	2.2	1.9	3.4	3.0	2.3	1.9	3.2	3.1	2.3	2.0	3.1	3.1	2.4	2.0	46
48	3.2	2.8	2.1		3.3	2.9	2.1	1.9	3.3	2.9	2.2	1.9	3.1	3.0	2.2	2.0	3.0	3.1	2.3	2.0	48
50	3.0	2.7	2.1		3.1	2.7	2.1	1.9	3.1	2.8	2.2	1.9	3.0	2.9	2.2	1.9	2.9	3.0	2.3	1.9	50
52	3.0	2.6	2.0		3.0	2.6	2.1		3.0	2.7	2.2	1.9	2.9	2.8	2.2	1.9	2.8	2.8	2.3	1.9	52
54	2.9	2.5	2.0		2.9	2.5	2.1		3.0	2.6	2.1		2.8	2.7	2.2	1.9	2.7	2.8	2.2	1.8	54
56	2.8	2.4	2.0		2.8	2.4	2.1		2.9	2.5	2.1		2.7	2.6	2.1		2.6	2.6	2.2	1.8	56
58	2.7	2.3	2.0		2.8	2.4	2.1		2.9	2.4	2.1		2.7	2.5	2.1		2.5	2.5	2.2		58
60	2.6	2.2	2.0		2.7	2.3	2.0		2.8	2.3	2.1		2.5	2.3	2.1		2.2	2.3	2.2		60
62	2.5	2.1			2.5	2.2	2.0		2.7	2.3	2.1		2.4	2.2	2.1		2.1	2.2	2.2		62
64	2.4	2.1			2.3	2.1	2.0		2.5	2.2	2.0		2.2	2.1	2.1		1.9	2.0	2.1		64
66	2.3	2.0			2.2	2.1	1.9		2.4	2.1	2.0		2.1	2.0	2.0		1.8	1.9	1.9		66
68	2.1	2.0			2.0	2.0			2.2	2.0	1.9		2.0	1.9	1.9		1.6	1.7	1.7		68
70	2.0				1.8	1.9			2.0	1.9			1.8	1.7	1.8		1.4	1.6	1.5		70
72	0.7				1.7	1.9			1.8	1.9			1.7	1.6	1.7		1.3	1.4	1.2		72
74					1.5				1.6	1.7			1.4	1.5	1.6		1.1	1.2	1.0		74
76									1.4	1.6			1.3	1.3			1.0	1.1	0.9		76
78									1.2	1.4			1.1	1.2							78
80													1.0	1.1							80
82													0.8	1.0							82

Technical Specification

Category	Item	Unit	Value
Capacity	Max. lifting capacity	t	250
Weight	Gross weight	t	60
DIMENSIONS			
	Overall length	m	16
	Overall width	m	3
	Overall height	m	3.95
TRAVEL			
	Max. travel speed	km/h	80
	Wheel formula		10×6
	Min. ground clearance	m	0.28
	Approach angle	° (degrees)	18
	Departure angle	° (degrees)	16
	Max. gradeability	%	60
Steering radius	<i>Min. steering radius</i>	m	9.5
	<i>Min. steering radius of boom tip</i>	m	12.58
OPERATION			
	Working Temperature	°C	-20 to +45
	Min. rated lifting radius	m	2.5
	Tail slewing radius	m	5.3
	Boom sections (Qty.)		7
	Outrigger span (Longitudinal×Transverse)	m	9 x 7.8
	Jib offset	° (degrees)	0,15,30,50
Max. lifting moment	Basic boom	kN.m	6509
	Full-extension boom	kN.m	2699
	Full-extension boom + jib	kN.m	741
Boom Length	Boom length	m	13.9
	Full-extension boom	m	75
	Full-extension boom + jib	m	113.1
Max. lifting height	Basic boom	m	14.6
	Full-extension boom	m	74
	Full-extension boom + jib	m	111

Technical Specification - Continued

Hook Configurations

Type - tons	Load	Number of Sheaves	Rope Rate	Hook Weight - kg
160	134.0	7	14	1566
125	107.7	5	11	1250
80	70.6	3	7	693
32	31.2	1	3	479
12.5	10.5	0	1	420

Other Features of Interest

Hoist

Main winch adopts electro-proportional variable motor for better inching mobility and operation smoothness. Stepless speed control.

Luffing System

Dual pump confluent-flow open loop, electro-proportional control. Passive luffing down, realizing fast lowering at large elevation and stable lowering at small elevation.

Anti-electromagnetic Interference

Anti-electromagnetic interference module, allowing the crane to work normally in strong electric field or strong magnetic field ($<20\text{v/m}$ and $>500\text{m}$ away from interference source), including cluster construction of high-power equipment, and the vicinity of multiple interference sources including high-voltage lines, broadcasting base stations, power plants, aluminium plants, radar stations, military bases or mobile communication stations.

