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LIFT PLANNING DATA + RATED CAPACITY CHARTS

ZTC550

55 tonne truck crane

For developers, engineers, builders and lift planners

55,000 kg
Maximum rated capacity
11.2 m boom, 2.5 m radius

44 m
Main boom length
11.2 m fully retracted

60 m
Maximum lifting height
main boom plus jib

7.30 m
Outrigger spread
fully extended

This document sets out the lifting capacities and planning data for our ZTC550 so you can check early whether a lift is workable: what it will pick up, at what radius, in which boom and outrigger set up, and what has to be allowed for. The capacity figures are transcribed from the manufacturer's operator's manual for this model. Operator instructions are left out.

Planning reference only

Use this document to plan and price a lift, not to operate the crane. The lifting capacity tables in the operator's manual carried in the crane govern every lift, and final lift planning is confirmed by Whitsunday Crane Hire against site conditions on the day.

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Talk to us about your lift

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WCH-ZTC550-LPD Rev A October 2026. Capacity data source: Manufacturer's Operator's Manual for Truck Crane, Model ZTC550R532. Lifting capacity tables 1-5 to 1-18 and technical data table 1-1 of that manual.

Crane at a glance

Headline figures for a first-pass check. Full charts follow.

Specification

Item	Value
Crane type	Truck crane, model ZTC550R532. 4 axles, drive 8 x 4
Maximum rated capacity	55,000 kg at 2.5 m radius on the 11.2 m boom, outriggers fully extended, 7 t or 5.5 t counterweight
Main boom	11.2 m to 44 m. Boom angle -2° to 80°
Jib	9.5 m or 16 m, offset 0°, 15° or 30°
Maximum lifting height	Basic boom 11.8 m, main boom fully extended 44 m, jib 60 m. Boom and jib deflection is not taken into account
Maximum load moment	Basic boom 1,568 kN.m. Main boom fully extended 940.8 kN.m
Counterweight	Capacity charts for 7 t and 5.5 t counterweight. A 1.5 t auxiliary counterweight is excluded from the travel mass
Outriggers	Spread 5.95 m long. Width 7.30 m fully extended, 4.80 m intermediately extended
Outrigger force	Maximum support force per outrigger 48 t when working within the rated capacities
Slewing	0 to 2.2 r/min. Tail slewing radius 3,690 mm
Hoist ropes	Main hoist 200 m, auxiliary hoist 130 m, both 4V×39S+5FC-17.0-1870. Maximum single line capacity 5,000 kg
Hoist rope speed	Main winch 135 m/min (drum 4th layer). Auxiliary winch 120 m/min (drum 2nd layer)
Boom speeds	Derricking up 45 s. Telescoping out 95 s
Mass and axle loads	Travel mass 39,000 kg (excluding 1.5 t auxiliary counterweight). Front axle load 13,000 kg, rear axle load 26,000 kg
Overall dimensions	13,530 mm long, 2,600 mm wide, 3,700 mm high. Wheelbase 1,450 + 4,100 + 1,350 mm
Travel	Minimum turning diameter 24 m. Maximum grade 40%. Front / rear overhang 2,675 / 2,365 mm

Lifting configurations

Outriggers	Telescoping cylinder I	Counterweight	Boom (m)	Max RC (kg)	Page
Fully extended	Fully extended	7 t	11.2 to 44	**55,000**	5
Fully extended	Intermediately extended	7 t	11.2 to 39.9	**55,000**	6
Fully extended	Fully retracted	7 t	11.2 to 35.7	**55,000**	7
Intermediately extended	Fully extended	7 t	11.2 to 44	**35,000**	8
Intermediately extended	Intermediately extended	7 t	11.2 to 39.9	**35,000**	9
Intermediately extended	Fully retracted	7 t	11.2 to 35.7	**35,000**	10
Fully extended	Fully extended	5.5 t	11.2 to 44	**50,000**	5
Fully extended	Intermediately extended	5.5 t	11.2 to 39.9	**50,000**	6
Fully extended	Fully retracted	5.5 t	11.2 to 35.7	**50,000**	7
Intermediately extended	Fully extended	5.5 t	11.2 to 44	**35,000**	8
Intermediately extended	Intermediately extended	5.5 t	11.2 to 39.9	**35,000**	9
Intermediately extended	Fully retracted	5.5 t	11.2 to 35.7	**35,000**	10
Fully extended	Main boom 44 m + jib 9.5 / 16 m	7 t	by boom angle	**4,000**	11
Fully extended	Main boom 44 m + jib 9.5 / 16 m	5.5 t	by boom angle	**4,000**	11

RC = rated capacity. Max RC is the highest figure in that chart. All main boom charts are for lifting over the sides and rear.

How to use the charts

What the manual says about selecting a chart, and what you need to allow for.

Choosing the right chart

- The crane has several lifting capacity tables. The right one depends on the actual working conditions.
- Each main boom chart is for one combination of outrigger extension (fully or intermediately extended), telescoping mode of cylinder I (fully extended, intermediately extended or fully retracted) and counterweight (7 t or 5.5 t).
- All main boom charts are for lifting over the sides and rear.
- Capacities are in kilograms.
- Rows I (m) and II (m) under each chart give the extension of telescoping cylinders I and II for each boom length. The reeving row gives the standard parts of line.
- Jib capacities are given by main boom angle, with the 44 m main boom and outriggers fully extended, on 1 part of line with the 4 t hook.
- Maximum lifting heights do not take boom or jib deflection into account.

Figures marked *

Where a capacity is marked *, the rope reeving should be 11 parts of line and a special device installed when the load is 50 t or more.

Rope reeving

- Maximum permissible lifting capacity of a single wire rope: 5,000 kg.
- If fewer parts of line are used than the standard reeving shown under each chart, check the load on a single line is no more than 5,000 kg.

Hooks

Hook	Pulleys	Max reeving	Weight	Type
55 t	6	11	510 kg	Standard
4 t	0	1	120 kg	Standard

Both are straight shank with single hook, standard configuration.

Hoist ropes

Rope	Specification	Length
Main hoist	4V×39S+5FC-17.0-1870, left-hand ordinary lay	200 m
Auxiliary hoist	4V×39S+5FC-17.0-1870, left-hand ordinary lay	130 m

Standard code GB 8918-2006.

Outrigger force

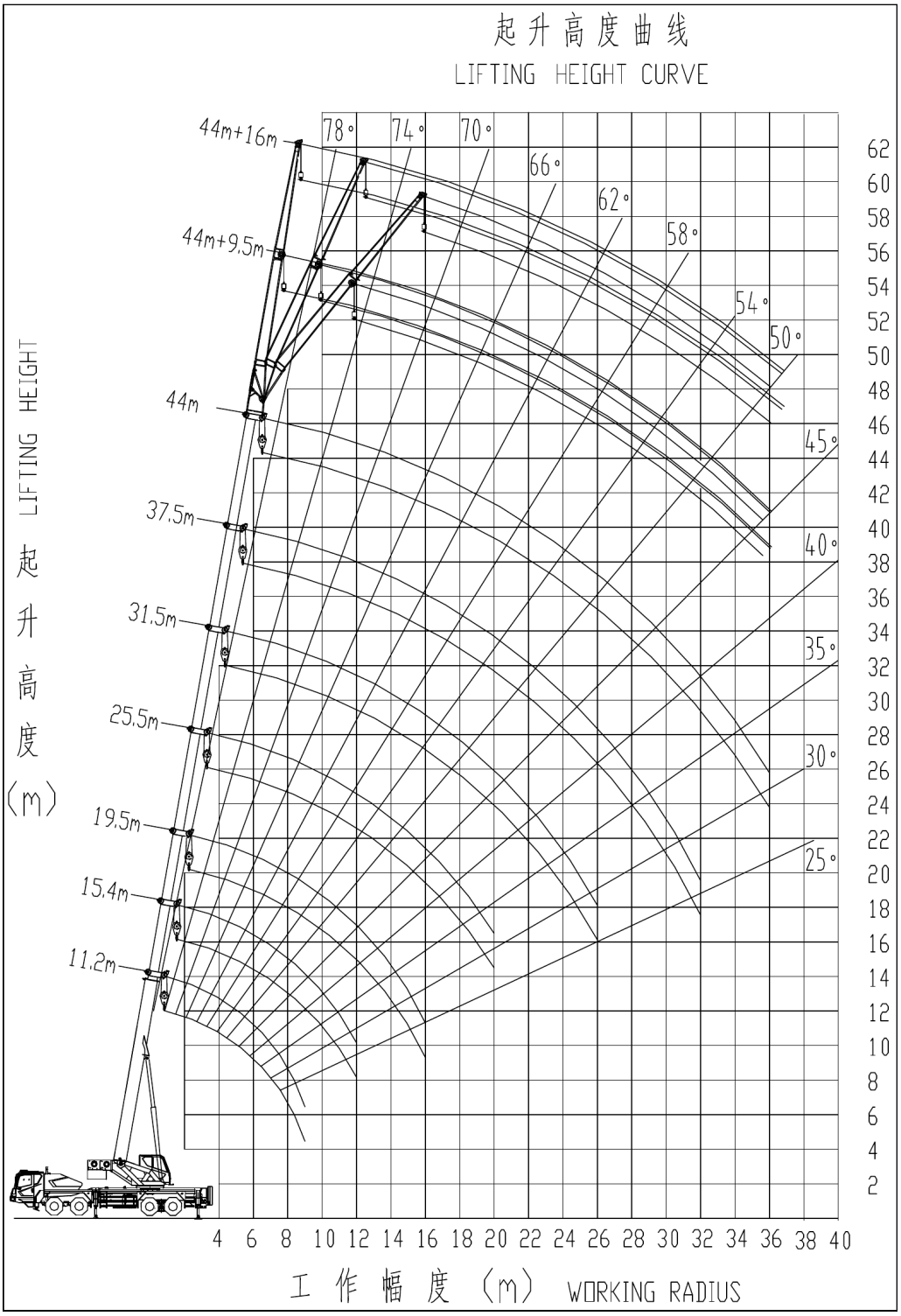
When the crane is working within the rated lifting capacities, the maximum support force per outrigger is 48 t.

Not covered by this manual excerpt: ask us

- Whether the rated capacities include the hook and rigging. Our extract of the manual does not say, so check with us before netting off a load.
- Capacities over the front, wind limits and side slope deration, which are not in the lifting capacity tables we hold.
- Ground bearing pressures and outrigger pad sizes for your site, and checks for suspended slabs, pavements and services.
- Which counterweight, jib and hooks are fitted or available for your job, and the crane's current inspection status.

Lifting height chart

Hook height (m) against working radius (m), main boom 11.2 to 44 m and jib 9.5 / 16 m.



Boom angles are marked around the outside of the chart. Diagram from the manufacturer's operator's manual for the ZTC550R532 (figure 1-12).

Outriggers fully extended

Telescoping cylinder I fully extended. Main boom, rated capacity in kg, lifting over the sides and rear, 55 t hook.

Counterweight 7 t

Radius (m)	Main boom length (m)						
	11.2	15.4	19.5	25.5	31.5	37.5	44
2.5	55,000*						
3.0	50,000*	35,000					
3.5	35,000	34,500	28,000				
4.0	34,500	34,000	28,000	23,000			
4.5	33,500	33,000	28,000	23,000			
5.0	32,000	31,500	27,000	23,000			
5.5	29,000	28,500	25,500	22,000	18,000		
6.0	26,000	26,000	24,000	21,000	17,200		
6.5	24,000	24,000	22,500	20,000	16,600		
7.0	22,000	21,500	21,000	19,000	16,000	12,500	
8.0	18,200	18,500	19,000	17,000	14,500	11,700	
9.0	14,500	15,300	15,800	15,200	13,300	11,000	8,500
10.0		13,000	12,800	13,800	12,100	10,400	8,200
11.0		10,800	10,600	11,600	11,100	9,800	7,900
12.0		9,100	8,900	9,900	10,200	9,200	7,600
13.0			7,500	8,500	9,200	8,400	7,200
14.0			6,400	7,400	8,000	7,800	6,800
15.0			5,500	6,400	7,000	7,200	6,400
16.0			4,700	5,600	6,200	6,600	6,000
18.0				4,300	4,900	5,200	5,200
20.0				3,300	3,900	4,200	4,500
22.0					3,100	3,400	3,700
24.0					2,400	2,750	3,050
26.0					1,900	2,200	2,500
28.0						1,750	2,050
30.0						1,350	1,650
32.0						1,050	1,350
34.0							1,050
36.0							800
I (m)	0	4.2	8.3	8.3	8.3	8.3	8.3
II (m)	0	0	0	6	12	18	24.5
Reeving	10	8	7	6	5	3	3

* 11 parts of line and a special device when the load is 50 t or more. Manufacturer's table 1-5.

Counterweight 5.5 t

Radius (m)	Main boom length (m)						
	11.2	15.4	19.5	25.5	31.5	37.5	44
2.5	50,000*						
3.0	42,000	35,000					
3.5	35,000	34,500	28,000				
4.0	34,500	34,000	28,000	23,000			
4.5	33,500	33,000	28,000	23,000			
5.0	32,000	31,500	27,000	23,000			
5.5	29,000	28,500	25,500	22,000	18,000		
6.0	26,000	26,000	24,000	21,000	17,200		
6.5	24,000	24,000	22,500	20,000	16,600		
7.0	22,000	21,500	21,000	19,000	16,000	12,500	
8.0	18,200	18,500	18,500	17,000	14,500	11,700	
9.0	14,500	14,800	14,800	15,200	13,300	11,000	8,500
10.0		12,100	12,000	13,000	12,100	10,400	8,200
11.0		10,000	9,900	10,900	11,100	9,800	7,900
12.0		8,400	8,200	9,200	9,900	9,200	7,600
13.0			6,900	7,900	8,500	8,400	7,200
14.0			5,800	6,800	7,400	7,800	6,800
15.0			5,000	5,900	6,500	6,900	6,400
16.0			4,200	5,100	5,700	6,100	6,000
18.0				3,800	4,400	4,800	5,200
20.0				2,900	3,500	3,900	4,200
22.0					2,700	3,100	3,400
24.0					2,100	2,500	2,800
26.0					1,600	1,950	2,250
28.0						1,500	1,750
30.0						1,100	1,350
32.0						800	1,050
34.0							800
36.0							550
I (m)	0	4.2	8.3	8.3	8.3	8.3	8.3
II (m)	0	0	0	6	12	18	24.5
Reeving	10	8	7	6	5	3	3

* 11 parts of line and a special device when the load is 50 t or more. Manufacturer's table 1-11.

Outriggers fully extended

Telescoping cylinder I intermediately extended. Main boom, rated capacity in kg, lifting over the sides and rear, 55 t hook.

Counterweight 7 t

Radius (m)	Main boom length (m)					
	11.2	15.4	21.4	27.4	33.4	39.9
2.5	55,000*					
3.0	50,000*	35,000	23,000			
3.5	35,000	34,500	23,000			
4.0	34,500	34,000	23,000			
4.5	33,500	33,000	23,000	19,000		
5.0	32,000	31,500	23,000	19,000		
5.5	29,000	28,500	23,000	19,000		
6.0	26,000	26,000	23,000	19,000	13,200	
6.5	24,000	24,000	22,000	19,000	12,800	
7.0	22,000	21,500	21,000	18,500	12,500	
8.0	18,200	18,500	19,000	18,000	12,000	9,200
9.0	14,500	15,300	16,000	16,500	11,300	8,600
10.0		13,000	14,000	14,500	10,600	8,300
11.0		10,800	12,000	12,500	9,800	8,000
12.0		9,100	10,200	10,800	9,300	7,600
13.0			8,800	9,500	8,700	7,200
14.0			7,700	8,300	8,200	6,700
15.0			6,700	7,300	7,700	6,300
16.0			5,900	6,500	6,800	5,900
18.0			4,500	5,100	5,400	5,300
20.0				4,100	4,400	4,700
22.0				3,300	3,600	3,900
24.0					2,900	3,200
26.0					2,400	2,700
28.0					2,000	2,200
30.0						1,800
32.0						1,500
34.0						1,200
I (m)	0	4.2	4.2	4.2	4.2	4.2
II (m)	0	0	6	12	18	24.5
Reeving	10	8	6	5	3	3

* 11 parts of line and a special device when the load is 50 t or more. Manufacturer's table 1-6.

Counterweight 5.5 t

Radius (m)	Main boom length (m)					
	11.2	15.4	21.4	27.4	33.4	39.9
2.5	50,000*					
3.0	42,000	35,000	23,000			
3.5	35,000	34,500	23,000			
4.0	34,500	34,000	23,000			
4.5	33,500	33,000	23,000	19,000		
5.0	32,000	31,500	23,000	19,000		
5.5	29,000	28,500	23,000	19,000		
6.0	26,000	26,000	23,000	19,000	13,200	
6.5	24,000	24,000	22,000	19,000	12,800	
7.0	22,000	21,500	21,000	18,500	12,500	
8.0	18,200	18,500	19,000	18,000	12,000	9,200
9.0	14,500	14,800	16,000	16,500	11,300	8,600
10.0		12,100	13,400	14,000	10,600	8,300
11.0		10,000	11,200	11,900	9,800	8,000
12.0		8,400	9,600	10,200	9,300	7,600
13.0			8,200	8,800	8,700	7,200
14.0			7,100	7,700	8,100	6,700
15.0			6,200	6,800	7,200	6,300
16.0			5,400	6,000	6,400	5,900
18.0			4,100	4,700	5,100	5,300
20.0				3,700	4,100	4,400
22.0				2,900	3,300	3,600
24.0					2,600	2,900
26.0					2,100	2,400
28.0					1,700	2,000
30.0						1,600
32.0						1,250
34.0						950
I (m)	0	4.2	4.2	4.2	4.2	4.2
II (m)	0	0	6	12	18	24.5
Reeving	10	8	6	5	3	3

* 11 parts of line and a special device when the load is 50 t or more. Manufacturer's table 1-12.

Outriggers fully extended

Telescoping cylinder I fully retracted. Main boom, rated capacity in kg, lifting over the sides and rear, 55 t hook.

Counterweight 7 t

Radius (m)	Main boom length (m)				
	11.2	17.2	23.2	29.2	35.7
2.5	55,000*				
3.0	50,000*	23,000			
3.5	35,000	23,000	19,000		
4.0	34,500	23,000	19,000		
4.5	33,500	23,000	19,000		
5.0	32,000	23,000	19,000	14,000	
5.5	29,000	23,000	19,000	13,500	
6.0	26,000	23,000	19,000	13,000	
6.5	24,000	23,000	18,500	12,500	10,200
7.0	22,000	21,500	17,500	12,000	9,800
8.0	18,200	19,000	16,000	11,400	9,000
9.0	14,500	16,000	15,000	10,500	8,500
10.0		14,500	13,800	9,800	8,200
11.0		12,200	12,700	9,100	7,800
12.0		10,500	11,300	8,500	7,300
13.0		9,000	9,900	7,900	6,800
14.0		8,000	8,700	7,400	6,400
15.0			7,700	7,000	6,000
16.0			6,800	6,600	5,600
18.0			5,500	5,800	5,000
20.0				4,800	4,400
22.0				4,000	3,900
24.0				3,300	3,500
26.0					3,000
28.0					2,500
30.0					2,100
I (m)	0	0	0	0	0
II (m)	0	6	12	18	24.5
Reeving	10	6	5	4	3

* 11 parts of line and a special device when the load is 50 t or more. Manufacturer's table 1-7.

Counterweight 5.5 t

Radius (m)	Main boom length (m)				
	11.2	17.2	23.2	29.2	35.7
2.5	50,000*				
3.0	42,000	23,000			
3.5	35,000	23,000	19,000		
4.0	34,500	23,000	19,000		
4.5	33,500	23,000	19,000		
5.0	32,000	23,000	19,000	14,000	
5.5	29,000	23,000	19,000	13,500	
6.0	26,000	23,000	19,000	13,000	
6.5	24,000	23,000	18,500	12,500	10,200
7.0	22,000	21,500	17,500	12,000	9,800
8.0	18,200	19,000	16,000	11,400	9,000
9.0	14,500	16,000	15,000	10,500	8,500
10.0		13,500	13,800	9,800	8,200
11.0		11,500	12,400	9,100	7,800
12.0		10,000	10,700	8,500	7,300
13.0		8,600	9,300	7,900	6,800
14.0			8,100	7,400	6,400
15.0			7,200	7,000	6,000
16.0			6,400	6,600	5,600
18.0			5,100	5,500	5,000
20.0				4,500	4,400
22.0				3,700	3,900
24.0				3,000	3,300
26.0					2,700
28.0					2,300
30.0					1,900
32.0					1,500
I (m)	0	0	0	0	0
II (m)	0	6	12	18	24.5
Reeving	10	6	5	4	3

* 11 parts of line and a special device when the load is 50 t or more. Manufacturer's table 1-13.

Outriggers intermediately extended

Telescoping cylinder I fully extended. Main boom, rated capacity in kg, lifting over the sides and rear, 55 t hook.

Counterweight 7 t

Radius (m)	Main boom length (m)						
	11.2	15.4	19.5	25.5	31.5	37.5	44
3.0	35,000	35,000					
3.5	35,000	34,500	28,000				
4.0	34,000	34,000	28,000	23,000			
4.5	31,000	31,000	27,000	23,000			
5.0	28,000	28,000	26,000	22,000			
5.5	24,500	24,000	23,500	21,000	18,000		
6.0	20,500	20,000	19,500	20,000	17,200		
6.5	17,400	17,000	16,500	18,000	16,600		
7.0	15,000	14,600	14,400	15,600	16,000	12,500	
8.0	11,500	11,200	10,900	12,100	12,700	11,700	
9.0	9,000	8,800	8,600	9,600	10,300	10,800	8,500
10.0		7,000	6,800	7,700	8,400	9,000	8,200
11.0		5,600	5,400	6,400	7,000	7,500	7,900
12.0		4,500	4,300	5,300	5,900	6,300	6,700
13.0			3,400	4,400	5,000	5,400	5,800
14.0			2,700	3,600	4,200	4,600	5,000
15.0			2,100	3,000	3,500	3,900	4,300
16.0			1,600	2,500	3,000	3,400	3,700
18.0				1,600	2,100	2,500	2,800
20.0				900	1,400	1,800	2,100
22.0					900	1,200	1,500
24.0						800	1,100
26.0							700
I (m)	0	4.2	8.3	8.3	8.3	8.3	8.3
II (m)	0	0	0	6	12	18	24.5
Reeving	8	8	7	6	5	3	3

Manufacturer's table 1-8.

Counterweight 5.5 t

Radius (m)	Main boom length (m)						
	11.2	15.4	19.5	25.5	31.5	37.5	44
3.0	35,000	35,000					
3.5	35,000	34,500	28,000				
4.0	34,000	34,000	28,000	23,000			
4.5	31,000	31,000	27,000	23,000			
5.0	27,500	27,000	26,000	22,000			
5.5	22,500	22,000	21,800	21,000	18,000		
6.0	18,800	18,300	18,100	19,000	17,200		
6.5	16,000	15,500	15,300	16,500	16,600		
7.0	13,700	13,200	13,000	14,000	14,500	12,500	
8.0	10,500	10,100	9,900	11,000	11,700	11,700	
9.0	8,200	7,900	7,700	8,700	9,400	9,900	8,500
10.0		6,200	6,000	7,000	7,600	8,100	8,200
11.0		4,900	4,700	5,700	6,300	6,800	7,100
12.0		3,900	3,700	4,600	5,200	5,700	6,000
13.0			2,900	3,800	4,400	4,800	5,100
14.0			2,200	3,100	3,700	4,100	4,400
15.0			1,600	2,500	3,100	3,500	3,800
16.0			1,100	2,000	2,600	3,000	3,300
18.0				1,200	1,700	2,100	2,400
20.0					1,100	1,400	1,700
22.0						900	1,200
24.0							800
I (m)	0	4.2	8.3	8.3	8.3	8.3	8.3
II (m)	0	0	0	6	12	18	24.5
Reeving	8	8	7	6	5	3	3

Manufacturer's table 1-14.

Outriggers intermediately extended

Telescoping cylinder I intermediately extended. Main boom, rated capacity in kg, lifting over the sides and rear, 55 t hook.

Counterweight 7 t

Radius (m)	Main boom length (m)					
	11.2	15.4	21.4	27.4	33.4	39.9
3.0	35,000	35,000	23,000			
3.5	35,000	34,500	23,000			
4.0	34,000	34,000	23,000			
4.5	31,000	31,000	23,000	19,000		
5.0	28,000	28,000	23,000	19,000		
5.5	24,500	24,000	22,000	19,000		
6.0	20,500	20,000	21,000	18,500	13,000	
6.5	17,400	17,000	18,400	18,000	12,800	
7.0	15,000	14,600	16,000	16,800	12,500	
8.0	11,500	11,200	12,400	13,100	12,000	9,200
9.0	9,000	8,800	9,900	10,600	11,000	8,600
10.0		7,000	8,100	8,800	9,200	8,300
11.0		5,600	6,700	7,300	7,700	8,000
12.0		4,500	5,600	6,200	6,600	7,000
13.0			4,700	5,300	5,700	6,000
14.0			3,900	4,500	4,900	5,200
15.0			3,300	3,900	4,200	4,500
16.0			2,700	3,300	3,600	3,900
18.0			1,800	2,400	2,700	3,000
20.0				1,700	2,000	2,300
22.0				1,200	1,500	1,800
24.0					1,000	1,300
26.0					700	900
28.0						600
I (m)	0	4.2	4.2	4.2	4.2	4.2
II (m)	0	0	6	12	18	24.5
Reeving	8	8	6	5	3	3

Manufacturer's table 1-9.

Counterweight 5.5 t

Radius (m)	Main boom length (m)					
	11.2	15.4	21.4	27.4	33.4	39.9
3.0	35,000	35,000	23,000			
3.5	35,000	34,500	23,000			
4.0	34,000	34,000	23,000			
4.5	31,000	31,000	23,000	19,000		
5.0	27,500	27,000	23,000	19,000		
5.5	22,500	22,000	22,000	19,000		
6.0	18,800	18,300	19,800	18,500	13,000	
6.5	16,000	15,500	17,000	17,500	12,800	
7.0	13,700	13,200	14,600	15,300	12,500	
8.0	10,500	10,100	11,400	12,100	12,000	9,200
9.0	8,200	7,900	9,000	9,700	10,200	8,600
10.0		6,200	7,300	8,000	8,400	8,300
11.0		4,900	6,000	6,600	7,000	7,400
12.0		3,900	5,000	5,600	6,000	6,300
13.0			4,100	4,700	5,100	5,400
14.0			3,400	4,000	4,400	4,700
15.0			2,800	3,300	3,700	4,000
16.0			2,300	2,800	3,200	3,500
18.0			1,500	2,000	2,400	2,700
20.0				1,400	1,700	2,000
22.0				900	1,200	1,500
24.0					800	1,000
26.0						700
I (m)	0	4.2	4.2	4.2	4.2	4.2
II (m)	0	0	6	12	18	24.5
Reeving	8	8	6	5	3	3

Manufacturer's table 1-15.

Outriggers intermediately extended

Telescoping cylinder I fully retracted. Main boom, rated capacity in kg, lifting over the sides and rear, 55 t hook.

Counterweight 7 t

Radius (m)	Main boom length (m)				
	11.2	17.2	23.2	29.2	35.7
3.0	35,000	23,000			
3.5	35,000	23,000	19,000		
4.0	34,000	23,000	19,000		
4.5	31,000	23,000	19,000		
5.0	28,000	23,000	19,000	14,000	
5.5	24,500	23,000	19,000	13,500	
6.0	20,500	21,500	19,000	13,000	
6.5	17,400	18,500	18,000	12,500	10,200
7.0	15,000	16,500	17,000	12,000	9,800
8.0	11,500	13,000	13,600	11,300	9,000
9.0	9,000	10,500	11,100	10,500	8,500
10.0		8,700	9,300	9,700	8,200
11.0		7,200	7,800	8,200	7,800
12.0		6,100	6,600	7,000	7,300
13.0		5,200	5,700	6,100	6,400
14.0		4,400	4,900	5,300	5,600
15.0			4,300	4,600	4,900
16.0			3,700	4,000	4,300
18.0			2,800	3,100	3,400
20.0				2,400	2,700
22.0				1,900	2,100
24.0				1,400	1,600
26.0					1,200
28.0					900
30.0					600
I (m)	0	0	0	0	0
II (m)	0	6	12	18	24.5
Reeving	8	6	5	4	3

Manufacturer's table 1-10.

Counterweight 5.5 t

Radius (m)	Main boom length (m)				
	11.2	17.2	23.2	29.2	35.7
3.0	35,000	23,000			
3.5	35,000	23,000	19,000		
4.0	34,000	23,000	19,000		
4.5	31,000	23,000	19,000		
5.0	27,500	23,000	19,000	14,000	
5.5	22,500	23,000	19,000	13,500	
6.0	18,800	20,000	18,000	13,000	
6.5	16,000	17,500	18,000	12,500	10,200
7.0	13,700	15,300	16,000	12,000	9,800
8.0	10,500	12,000	12,500	11,300	9,000
9.0	8,200	9,600	10,100	10,500	8,500
10.0		7,900	8,400	8,800	8,200
11.0		6,500	7,000	7,400	7,800
12.0		5,400	5,900	6,300	6,600
13.0		4,600	5,100	5,500	5,800
14.0		3,800	4,300	4,700	5,000
15.0			3,700	4,100	4,400
16.0			3,200	3,600	3,800
18.0			2,400	2,800	3,000
20.0				2,100	2,300
22.0				1,600	1,800
24.0				1,100	1,300
26.0					1,000
28.0					700
I (m)	0	0	0	0	0
II (m)	0	6	12	18	24.5
Reeving	8	6	5	4	3

Manufacturer's table 1-16.

Main boom plus jib

Rated capacity in kg by main boom angle. Main boom 44 m, outriggers fully extended, 1 part of line, 4 t hook.

Counterweight 7 t

Boom angle (°)	Main boom 44 m, jib 9.5 m			Main boom 44 m, jib 16 m		
	Offset 0°	Offset 15°	Offset 30°	Offset 0°	Offset 15°	Offset 30°
80	4,000	2,800	2,000	2,500	1,600	1,200
78	3,800	2,600	1,900	2,400	1,550	1,150
76	3,500	2,450	1,800	2,200	1,450	1,100
74	3,200	2,200	1,750	2,000	1,400	1,050
72	2,900	2,050	1,700	1,900	1,350	1,000
70	2,600	2,000	1,600	1,750	1,250	950
68	2,400	1,900	1,550	1,600	1,200	950
66	2,300	1,800	1,500	1,500	1,150	900
64	2,200	1,700	1,400	1,400	1,100	850
62	2,050	1,600	1,350	1,300	1,050	850
60	1,900	1,550	1,300	1,250	1,000	800
58	1,700	1,450	1,250	1,150	950	800
56	1,500	1,350	1,200	1,050	900	800
54	1,300	1,200	1,100	900	800	750
52	1,100	1,000	950	750	700	650
50	900	850	800	600	550	500
45	550	500				

Manufacturer's table 1-17. Blank cells: no rating given.

Counterweight 5.5 t

Boom angle (°)	Main boom 44 m, jib 9.5 m			Main boom 44 m, jib 16 m		
	Offset 0°	Offset 15°	Offset 30°	Offset 0°	Offset 15°	Offset 30°
80	4,000	2,800	2,000	2,500	1,600	1,200
78	3,800	2,600	1,900	2,400	1,550	1,150
76	3,500	2,450	1,800	2,200	1,450	1,100
74	3,200	2,200	1,750	2,000	1,400	1,050
72	2,900	2,050	1,700	1,900	1,350	1,000
70	2,600	2,000	1,600	1,750	1,250	950
68	2,400	1,900	1,550	1,600	1,200	950
66	2,300	1,800	1,500	1,500	1,150	900
64	2,200	1,700	1,400	1,400	1,100	850
62	2,050	1,600	1,350	1,300	1,050	850
60	1,800	1,550	1,300	1,250	1,000	800
58	1,550	1,450	1,250	1,150	950	800
56	1,300	1,200	1,150	1,000	850	750
54	1,100	1,000	950	800	700	650
52	900	850	800	650	600	550
50	700	650	600	500	450	400
45	400					

Manufacturer's table 1-18. Blank cells: no rating given.

Terms used in this document

Rated capacity (RC)	The lifting capacity in kg given in the manufacturer's lifting capacity tables for that boom length and radius.
Radius	The working radius in metres, listed down the left side of each chart.
Cylinder I	Telescoping cylinder I. Its mode (fully extended, intermediately extended or fully retracted) sets which boom lengths and chart apply.
I (m), II (m)	Extension of telescoping cylinders I and II for each boom length, as listed under each chart.
Reeving	The standard number of parts of line for that boom length.
Outrigger extension	Fully extended gives a 7.30 m outrigger width, intermediately extended 4.80 m.
Offset	The jib angle relative to the main boom: 0°, 15° or 30°.

Planning a lift? Send us the details.

Load mass and dimensions, pick up and set down positions, access, ground conditions and any overhead services.

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Capacity data in this document is transcribed from the manufacturer's Operator's Manual for Truck Crane, model ZTC550R532 (technical data table 1-1 and lifting capacity tables 1-5 to 1-18). If anything here differs from the manual carried in the crane, the manual in the crane applies.