

Capacities in metric tons for boom lengths from 11 m to 53 m:											Counterweight 12.3 t				
Boom length	11 m	14 m	17 m	20 m	23 m	26 m	29 m	32 m	35 m	38 m	41 m	44 m	47 m	50 m	53 m
Radius in (m)	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t
3.5	60.0														
4	49.9	45.4													
4.5	47.3	43.8	38.6												
5	39.2	39.2	37.4	34.6											
5.5	33.4	33.4	33.4	33.3	31.1	28.8									
6	29.1	29.0	29.0	29.0	28.9	28.0	25.9								
6.5	25.7	25.7	25.6	25.6	25.5	25.4	25.2	23.5							
7	23.0	23.0	22.9	22.9	22.8	22.7	22.6	22.6	21.2						
7.5	20.8	20.8	20.7	20.7	20.6	20.7	20.4	20.4	19.3	17.9					
8	19.0	19.0	18.9	18.8	18.7	18.7	18.6	18.6	18.5	17.5	16.2	14.9			
9	16.1	16.1	16.0	15.9	15.8	15.7	15.6	15.7	15.6	15.5	15.4	14.2	11.6	9.4	
10	13.9	13.9	13.8	13.8	13.6	13.6	13.5	13.5	13.4	13.3	13.2	13.1	10.6	8.6	7.0
11	12.2	12.2	12.1	12.0	12.0	11.9	11.8	11.8	11.7	11.6	11.5	11.4	9.8	7.9	6.5
12		10.9	10.8	10.7	10.6	10.5	10.4	10.4	10.3	10.2	10.1	10.0	9.1	7.3	6.0
13		9.8	9.7	9.6	9.5	9.4	9.3	9.3	9.2	9.1	9.0	8.9	8.5	6.9	5.6
14		8.8	8.7	8.7	8.6	8.5	8.4	8.4	8.3	8.2	8.1	8.0	7.9	6.5	5.2
15			8.0	7.9	7.8	7.7	7.6	7.6	7.5	7.4	7.3	7.2	7.1	6.1	4.9
16			7.3	7.2	7.1	7.0	6.9	6.9	6.8	6.7	6.6	6.5	6.4	5.7	4.6
17			6.7	6.6	6.5	6.4	6.3	6.3	6.2	6.1	6.0	5.9	5.8	5.4	4.3
18				6.1	6.0	5.9	5.8	5.8	5.7	5.6	5.5	5.4	5.3	5.1	4.0
19				5.7	5.6	5.5	5.4	5.4	5.3	5.2	5.1	5.0	4.9	4.7	3.8
20				5.3	5.2	5.1	5.0	5.0	4.9	4.8	4.7	4.5	4.4	4.3	3.6
22					4.5	4.4	4.3	4.3	4.2	4.0	4.0	3.9	3.8	3.6	3.2
24						3.8	3.7	3.7	3.6	3.5	3.4	3.3	3.2	3.0	2.9
26						3.4	3.2	3.3	3.1	3.0	2.9	2.8	2.7	2.5	2.4
28							2.9	2.9	2.7	2.6	2.5	2.4	2.2	2.1	2.0
30								2.5	2.4	2.3	2.1	2.0	1.9	1.8	1.6
32								2.2	2.1	1.9	1.8	1.7	1.6	1.4	1.3
34									1.8	1.7	1.5	1.4	1.3	1.2	1.0
36										1.4	1.3	1.2	1.0	0.9	0.8
38											1.1	0.9	0.8	0.7	0.6
40												0.9	0.8	0.6	0.4
42													0.6	0.5	0.3
44														0.3	0.2

The necessary hoist rope reeving arrangement has to be provided according to the load diagram in the cabin.

Optimal boom configuration for boom lengths between 11 m and 53 m:																
	Length	Number of boom extensions														
Boom foot	5.5 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Boom extension	3.0 m		1			1			1			1			1	
Boom extension	6.0 m			1			1			1			1			1
Boom extension	9.0 m				1	1	1	2	2	2	3	3	3	4	4	4
Boom head	5.5 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Boom length		11 m	14 m	17 m	20 m	23 m	26 m	29 m	32 m	35 m	38 m	41 m	44 m	47 m	50 m	53 m

Load diagram for crane configuration