

Boom Lifting Capacities

7100

Unit: metric ton

Boom rated loads in metric tons for 360° working area

Crawlers fully extended

Operating radius (m) \ Boom length m (ft)	18.3 (60)	21.3 (70)	24.4 (80)	27.4 (90)	30.5 (100)	33.5 (110)	36.6 (120)	39.6 (130)	42.7 (140)	45.7 (150)	48.8 (160)	51.8 (170)	54.9 (180)	57.9 (190)	Boom length m (ft) \ Operating radius (m)
5.1	100.0														5.1
5.5	100.0	90.0/5.6													5.5
6.0	91.6	90.0	80.0/6.1	70.0/6.6											6.0
7.0	78.7	77.9	76.7	70.0	60.0/7.2	56.7/7.7									7.0
8.0	65.3	64.6	64.9	64.0	60.0	56.0	50.0/8.2	46.1/8.7							8.0
9.0	54.7	54.6	54.4	54.3	54.2	53.7	50.0	45.7	40.0/9.3	40.0/9.8					9.0
10.0	47.0	46.8	46.7	46.6	46.4	46.3	46.3	44.3	40.0	40.0	30.0/10.3	30.0/10.9	28.4/11.9	26.0/11.9	10.0
12.0	36.5	36.3	36.1	36.1	35.9	35.7	35.7	35.5	35.4	35.3	30.0	30.0	27.9	25.9	12.0
14.0	29.8	29.5	29.3	29.2	29.0	28.9	28.8	28.6	28.5	28.4	28.3	28.2	26.6	25.0	14.0
16.0	24.1	24.8	24.6	24.5	24.3	24.1	24.0	23.8	23.7	23.6	23.5	23.3	23.2	23.0	16.0
18.0	17.5/19.8	21.3	21.0	20.9	20.7	20.6	20.5	20.3	20.2	20.0	19.9	19.8	19.6	19.4	18.0
20.0		17.2	18.4	18.2	18.0	17.8	17.8	17.5	17.4	17.3	17.2	17.0	16.9	16.6	20.0
22.0		16.9/20.1	15.8	16.1	15.9	15.7	15.6	15.4	15.3	15.1	15.0	14.8	14.7	14.5	22.0
24.0			14.6/22.7	14.4	14.1	14.0	13.9	13.6	13.5	13.4	13.2	13.1	12.9	12.7	24.0
26.0				12.7/25.4	12.7	12.5	12.4	12.2	12.1	11.9	11.8	11.6	11.4	11.2	26.0
28.0					11.0/28.0	11.3	11.2	10.9	10.8	10.7	10.5	10.4	10.2	10.0	28.0
30.0						10.2	10.2	9.9	9.8	9.6	9.5	9.3	9.2	8.9	30.0
32.0						9.6/30.7	9.3	9.0	8.9	8.7	8.6	8.4	8.3	8.0	32.0
34.0							8.5/33.3	8.3	8.1	8.0	7.8	7.6	7.5	7.2	34.0
36.0								7.3/35.9	7.4	7.3	7.1	6.9	6.8	6.5	36.0
38.0									6.7	6.7	6.4	6.3	6.2	5.9	38.0
40.0									6.4/38.6	6.1	6.0	5.8	5.6	5.4	40.0
42.0										5.5/41.2	5.4	5.3	5.1	4.9	42.0
44.0											4.7/43.9	4.8	4.7	4.4	44.0
46.0												4.1	4.3	4.0	46.0
48.0												3.9/46.5	3.6	3.5	48.0
50.0													3.3/49.1	3.1	50.0
52.0														2.5/51.8	52.0

Note: Ratings shown in ☐ are determined by the strength the boom or other structural components.

Boom Arrangement

Operating radius (m) \ Boom length m (ft)	61.0 (200)	64.0 (210)	67.1 (220)	70.1 (230)	73.2 (240)
5.1					
5.5					
6.0					
7.0					
8.0					
9.0					
10.0					
12.0	20.0/12.4	20.0/13.0	19.2/13.5		
14.0	20.0	20.0	19.0	17.6/14.1	15.8/14.6
16.0	20.0	20.0	18.1	16.8	15.2
18.0	19.4	19.2	17.3	16.0	14.5
20.0	16.6	16.5	16.3	15.3	13.8
22.0	14.4	14.3	14.1	13.9	12.9
24.0	12.6	12.5	12.3	12.1	11.9
26.0	11.2	11.0	10.8	10.6	10.4
28.0	9.9	9.8	9.6	9.4	9.2
30.0	8.9	8.7	8.5	8.3	8.1
32.0	8.0	7.8	7.6	7.4	7.2
34.0	7.2	7.0	6.8	6.6	6.4
36.0	6.5	6.3	6.1	5.9	5.7
38.0	5.9	5.7	5.5	5.3	5.0
40.0	5.3	5.1	4.9	4.6	4.3
42.0	4.8	4.6	4.3	4.1	3.8
44.0	4.3	4.1	3.8	3.5	3.2
46.0	3.8	3.6	3.0	3.1	2.8
48.0	3.4	3.2	2.9	2.6	2.3
50.0	3.0	2.8	2.5	2.3	2.0
52.0	2.6	2.4	2.1	2.0/51.5	

Boom length m (ft)	Boom arrangement
18.3 (60)	Base-A-Tip
21.3 (70)	Base-A-A'-Tip
24.4 (80)	Base-A-A'-A'-Tip, Base-A-B-Tip
27.4 (90)	Base-A-A'-B-Tip, Base-A-C-Tip
30.5 (100)	Base-A-A'-A'-B-Tip, Base-A-B-B-Tip, Base-A-A'-C-Tip
33.5 (110)	Base-A-A'-B-B-Tip, Base-A-A'-A'-C-Tip, Base-A-B-C'-Tip
36.6 (120)	Base-A-A'-B-C-Tip, Base-A-C-C-Tip
39.6 (130)	Base-A-A'-A'-B-C'-Tip, Base-A-B-B-C'-Tip, Base-A-A'-C-C'-Tip
42.7 (140)	Base-A-A'-B-B-C'-Tip, Base-A-B-C-C'-Tip, Base-A-A'-A'-C-C'-Tip
45.7 (150)	Base-A-A'-B-C-C'-Tip, Base-A-C-C-C'-Tip
48.8 (160)	Base-A-A'-A'-B-C-C'-Tip, Base-A-B-B-C-C'-Tip, Base-A-A'-C-C-C'-Tip
51.8 (170)	Base-A-A'-B-B-C-C'-Tip, Base-A-B-C-C-C'-Tip, Base-A-A'-A'-C-C-C'-Tip
54.9 (180)	Base-A-A'-B-C-C-C'-Tip, Base-A-C-C-C-C'-Tip
57.9 (190)	Base-A-A'-A'-B-C-C-C'-Tip, Base-A-B-B-C-C-C'-Tip, Base-A-A'-C-C-C-C'-Tip
61.0 (200)	Base-A-A'-B-B-C-C-C'-Tip, Base-A-A'-A'-C-C-C-C'-B-Tip, Base-A-B'-C-C-C-C'-Tip
64.0 (210)	Base-A-A'-B-C-C-C-C'-Tip
67.1 (220)	Base-A-A'-A'-B-C-C-C-C'-Tip, Base-A-B-B-C-C-C-C'-Tip
70.1 (230)	Base-A-A'-A'-B-B-C-C-C-C'-Tip
73.2 (240)	Base-A-A'-A'-B-B-C-C-C-C'-Tip

Base = 6.00 m (20'), Tip = 9.25 m (30')
 Inserts: A = 3.0 m (10')—Basic insert boom, A' = 3.0 m (10'), B = 6.1 m (20'),
 C = 9.1 m (30'), C' = 9.1 m (30') with lug