

Main Boom Load Charts

Main Boom Lift Capacity Chart – 360° Rotation – Side Frames Extended Position ABC+A [45,000 lb (20 412kg)] Counterweight [All capacities are listed in kips (mt)]										
Load Radius ft (m)	Boom Length ft (m)									Load Radius ft (m)
	38.6 (11.8)	45 (13.7)	55 (16.8)	64.2 (19.8)	75 (22.9)	85 (25.9)	95 (29.0)	105 (32.0)	115.6 (35.2)	
10 (3.1)	150.3 (68.2)	106.2 (48.2)	104.1 (47.2)	74.8 (33.9)						10 (3.1)
12 (3.7)	136.6 (62.0)	106.2 (48.2)	104.1 (47.2)	74.8 (33.9)						12 (3.7)
15 (4.6)	112.9 (51.2)	106.2 (48.2)	104.1 (47.2)	74.8 (33.9)	52.0 (23.6)					15 (4.6)
20 (6.1)	78.9 (35.8)	78.2 (35.5)	77.4 (35.1)	74.8 (33.9)	52.0 (23.6)	52.0 (23.6)	52.0 (23.6)			20 (6.1)
25 (7.6)	53.9 (24.4)	53.5 (24.3)	52.9 (24.0)	52.4 (23.8)	52.0 (23.6)	52.0 (23.6)	52.0 (23.6)	51.5 (23.4)	40.0 (18.1)	25 (7.6)
30 (9.1)	39.9 (18.1)	40.6 (18.4)	41.2 (18.7)	41.5 (18.8)	41.7 (18.9)	41.8 (18.9)	41.9 (19.0)	42.0 (19.1)	40.0 (18.1)	30 (9.1)
35 (10.7)		31.6 (14.3)	32.2 (14.6)	32.6 (14.8)	32.7 (14.8)	32.9 (14.9)	32.9 (14.9)	33.0 (15.0)	33.1 (15.0)	35 (10.7)
40 (12.2)			26.0 (11.8)	26.4 (12.0)	26.6 (12.1)	26.7 (12.1)	26.8 (12.2)	26.9 (12.2)	27.0 (12.3)	40 (12.2)
45 (13.7)			21.4 (9.7)	21.8 (9.9)	22.1 (10.0)	22.2 (10.1)	22.3 (10.1)	22.3 (10.1)	22.4 (10.2)	45 (13.7)
50 (15.2)				18.3 (8.3)	18.5 (8.4)	18.7 (8.5)	18.8 (8.5)	18.9 (8.6)	18.9 (8.6)	50 (15.2)
55 (16.8)				15.5 (7.0)	15.7 (7.1)	15.9 (7.2)	16.0 (7.3)	16.1 (7.3)	16.1 (7.3)	55 (16.8)
60 (18.3)					13.5 (6.1)	13.7 (6.2)	13.9 (6.3)	14.0 (6.4)	14.0 (6.4)	60 (18.3)
65 (19.8)					11.6 (5.3)	11.8 (5.4)	12.0 (5.4)	12.1 (5.5)	12.2 (5.5)	65 (19.8)
70 (21.3)						10.3 (4.7)	10.4 (4.7)	10.5 (4.8)	10.6 (4.8)	70 (21.3)
75 (22.9)						8.9 (4.0)	9.1 (4.1)	9.2 (4.2)	9.3 (4.2)	75 (22.9)
80 (24.4)							7.9 (3.6)	8.0 (3.6)	8.1 (3.7)	80 (24.4)
85 (25.9)							6.9 (3.1)	7.0 (3.2)	7.1 (3.2)	85 (25.9)
90 (27.4)								6.1 (2.8)	6.2 (2.8)	90 (27.4)
95 (29.0)								5.4 (2.5)	5.4 (2.5)	95 (29.0)
100 (30.5)									4.7 (2.1)	100 (30.5)
105 (32.0)									4.1 (1.9)	105 (32.0)

This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly and operating procedures.