



◆ Main Boom Load Charts

Boom Load Charts 1/4								Unit : t(USst)
Length m(ft) Radius m(ft)	18 (59'1")	21 (68'11")	24 (78'9")	27 (88'7")	30 (98'5")	33 (108'3")	36 (118'1")	
5.1 (16'9")	105.0 (115.7)							
5.5 (18'1")	100.0 (110.2)	90.9 (100.2)						
6.0 (19'8")	92.5 (102.0)	90.0 (99.2)	80.8 (89.1)	70.8 (78.0)				
7.0 (22'12")	79.5 (87.6)	78.7 (86.8)	77.5 (85.4)	70.0 (77.2)	60.5 (66.7)	57.3 (63.2)		
8.0 (26'3")	66.0 (72.8)	65.7 (72.4)	65.5 (72.2)	64.6 (71.2)	60.0 (66.1)	56.6 (62.4)	50.5 (55.7)	
9.0 (29'6")	55.2 (60.8)	55.1 (60.7)	54.9 (60.5)	54.8 (60.4)	54.7 (60.3)	54.2 (59.7)	50.0 (55.1)	
10.0 (32'10")	47.5 (52.4)	47.3 (52.1)	47.2 (52.0)	47.1 (51.9)	46.9 (51.7)	46.8 (51.6)	46.6 (51.4)	
12.0 (39'4")	36.9 (40.7)	36.7 (40.5)	36.5 (40.2)	36.4 (40.1)	36.3 (40.0)	36.1 (39.8)	36.0 (39.7)	
14.0 (45'11")	30.1 (33.2)	29.8 (32.8)	29.6 (32.6)	29.5 (32.5)	29.3 (32.3)	30.2 (33.3)	29.1 (32.1)	
16.0 (52'6")	25.2 (27.8)	25.0 (27.6)	24.8 (27.3)	24.7 (27.2)	24.5 (27.0)	24.3 (26.8)	24.2 (26.7)	
18.0 (59'1")	21.7 (23.9)	21.5 (23.7)	21.2 (23.4)	21.1 (23.3)	20.9 (23.0)	20.8 (22.9)	20.7 (22.8)	
20.0 (65'7")		19.4 (21.4)	18.6 (20.5)	18.4 (20.3)	18.2 (20.1)	18.0 (19.8)	17.9 (19.7)	
22.0 (72'2")		17.1 (18.8)	17.0 (18.7)	16.3 (18.0)	16.1 (17.7)	15.9 (17.5)	15.8 (17.4)	
24.0 (78'9")			14.7 (16.2)	14.5 (16.0)	14.2 (15.7)	14.1 (15.5)	14.0 (15.4)	
26.0 (85'4")				12.8 (14.1)	12.7 (14.0)	12.6 (13.9)	12.5 (13.8)	
28.0 (91'10")					11.1 (12.2)	11.4 (12.6)	11.3 (12.5)	
30.0 (98'5")						10.5 (11.6)	10.3 (11.4)	
32.0 (104'12")						9.7 (10.7)	9.4 (10.4)	
34.0 (111'7")							8.6 (9.5)	
Counter-weight t(USst)	42 (46.3)	42 (46.3)	42 (46.3)	42 (46.3)	42 (46.3)	42 (46.3)	42 (46.3)	

Note: 1. the actual hoisting capacity is the value that rated hoisting capacity in the table deducts the weight of hook block and other lifting tools.

2. The italic values in grey filling table means the operating condition under which standard counterweight and additional counterweight are included.

3. The rated loads in the table represent the values when slowly and smoothly hoisting a weight on a horizontal and hardy soil surface under non-traveling hoisting working state.

4. All values in the load table apply to 360° rotation.

5. The rated loads in the table were calculated under the condition that the wind speed was 9.8m/s (22 mph) and according to 75% of the tilting load.

Note: To prevent retroversion, it is essential to connect a 39m (127'11") long boom frame and then install the additional counterweight.



Boom Load Charts 2/4									Unit : t(USt)
Length m(ft) Radius m(ft)	39 (127'11")		42 (137'10")		45 (147'8")		48 (157'6")		
8.0 (26'3")	46.6 (51.4)	<i>49.4 (54.5)</i>							
9.0 (29'6")	46.2 (50.9)	<i>49.0 (54.0)</i>	44.2 (48.7)	<i>46.9 (51.7)</i>	41.2 (45.4)	<i>43.7 (48.2)</i>			
10.0 (32'10")	44.7 (49.3)	<i>47.4 (52.2)</i>	42.4 (46.7)	<i>44.9 (49.5)</i>	40.4 (44.5)	<i>42.8 (47.2)</i>	35.6 (39.2)	<i>37.7 (41.6)</i>	
12.0 (39'4")	35.9 (39.6)	<i>38.1 (42.0)</i>	35.8 (39.5)	<i>37.9 (41.8)</i>	35.7 (39.4)	<i>37.8 (41.7)</i>	33.7 (37.1)	<i>35.7 (39.4)</i>	
14.0 (45'11")	28.9 (31.9)	<i>30.6 (33.7)</i>	28.8 (31.7)	<i>30.5 (33.6)</i>	28.7 (31.6)	<i>30.4 (33.5)</i>	28.6 (31.5)	<i>30.3 (33.4)</i>	
16.0 (52'6")	24.0 (26.5)	<i>25.4 (28.0)</i>	23.9 (26.3)	<i>25.3 (27.9)</i>	23.8 (26.2)	<i>25.2 (27.8)</i>	23.7 (26.1)	<i>25.1 (27.7)</i>	
18.0 (59'1")	20.5 (22.6)	<i>21.7 (23.9)</i>	20.4 (22.5)	<i>21.6 (23.8)</i>	20.2 (22.3)	<i>21.4 (23.6)</i>	20.1 (22.2)	<i>21.3 (23.5)</i>	
20.0 (65'7")	17.7 (19.5)	<i>18.8 (20.7)</i>	17.6 (19.4)	<i>18.7 (20.6)</i>	17.5 (19.3)	<i>18.6 (20.5)</i>	17.4 (19.2)	<i>18.4 (20.3)</i>	
22.0 (72'2")	15.6 (17.2)	<i>16.5 (18.2)</i>	15.5 (17.1)	<i>16.4 (18.1)</i>	15.3 (16.9)	<i>16.2 (17.9)</i>	15.2 (16.8)	<i>16.1 (17.7)</i>	
24.0 (78'9")	13.7 (15.1)	<i>14.5 (16.0)</i>	13.6 (15.0)	<i>14.4 (15.9)</i>	13.5 (14.9)	<i>14.3 (15.8)</i>	13.3 (14.7)	<i>14.1 (15.5)</i>	
26.0 (85'4")	12.3 (13.6)	<i>13.0 (14.3)</i>	12.2 (13.4)	<i>12.9 (14.2)</i>	12.0 (13.2)	<i>12.7 (14.0)</i>	11.9 (13.1)	<i>12.6 (13.9)</i>	
28.0 (91'10")	11.0 (12.1)	<i>11.7 (12.9)</i>	10.9 (12.0)	<i>11.6 (12.8)</i>	10.8 (11.9)	<i>11.4 (12.6)</i>	10.6 (11.7)	<i>11.2 (12.3)</i>	
30.0 (98'5")	10.0 (11.0)	<i>10.6 (11.7)</i>	9.9 (10.9)	<i>10.5 (11.6)</i>	9.7 (10.7)	<i>10.3 (11.4)</i>	9.6 (10.6)	<i>10.2 (11.2)</i>	
32.0 (104'12")	9.1 (10.0)	<i>9.6 (10.6)</i>	9.0 (9.9)	<i>9.5 (10.5)</i>	8.8 (9.7)	<i>9.3 (10.3)</i>	8.7 (9.6)	<i>9.2 (10.1)</i>	
34.0 (111'7")	8.4 (9.3)	<i>8.9 (9.8)</i>	8.2 (9.0)	<i>8.7 (9.6)</i>	8.1 (8.9)	<i>8.6 (9.5)</i>	7.9 (8.7)	<i>8.4 (9.3)</i>	
36.0 (118'1")	7.4 (8.2)	<i>7.8 (8.6)</i>	7.3 (8.0)	<i>7.7 (8.5)</i>	7.2 (7.9)	<i>7.6 (8.4)</i>	7.1 (7.8)	<i>7.5 (8.3)</i>	
38.0 (124'8")			6.8 (7.5)	<i>7.2 (7.9)</i>	6.7 (7.4)	<i>7.1 (7.8)</i>	6.5 (7.2)	<i>6.9 (7.6)</i>	
40.0 (131'3")			6.5 (7.2)	<i>6.9 (7.6)</i>	6.2 (6.8)	<i>6.6 (7.3)</i>	6.1 (6.7)	<i>6.5 (7.2)</i>	
42.0 (137'10")					5.6 (6.2)	<i>5.9 (6.5)</i>	5.5 (6.1)	<i>5.8 (6.4)</i>	
44.0 (144'4")							4.7 (5.2)	<i>5.0 (5.5)</i>	
Counter-weight t(USt)	42 46.3	42+3 (46.3+3.3)	42 (46.3)	42+3 (46.3+3.3)	42 (46.3)	42+3 (46.3+3.3)	42 (46.3)	42+3 (46.3+3.3)	

Note: 1. the actual hoisting capacity is the value that rated hoisting capacity in the table deducts the weight of hook block and other lifting tools.

2. The italic values in grey filling table means the operating condition under which standard counterweight and additional counterweight are included.

3. The rated loads in the table represent the values when slowly and smoothly hoisting a weight on a horizontal and hardy soil surface under non-traveling hoisting working state.

4. All values in the load table apply to 360° rotation.

5. The rated loads in the table were calculated under the condition that the wind speed was 9.8m/s (22 mph) and according to 75% of the tilting load.

Note: To prevent retroversion, it is essential to connect a 39m (127'11") long boom frame and then install the additional counterweight.



Boom Load Charts 3/4									Unit : t(USst)
Length m(ft) Radius m(ft)	51 (167'4")		54 (177'2")		57 (187'0")		60 (196'10")		
10.0 (32'10")	32.8 (36.2)	34.8 (38.4)	28.7 (31.6)	30.4 (33.5)	26.3 (29.0)	27.9 (30.8)			
12.0 (39'4")	30.3 (33.4)	32.1 (35.4)	28.2 (31.1)	29.9 (33.0)	26.2 (28.9)	27.8 (30.6)	24.5 (27.0)	26.0 (28.7)	
14.0 (45'11")	28.5 (31.4)	30.2 (33.3)	26.9 (29.7)	28.5 (31.4)	25.3 (27.9)	26.8 (29.5)	23.7 (26.1)	25.1 (27.7)	
16.0 (52'6")	23.5 (25.9)	24.9 (27.4)	23.4 (25.8)	24.8 (27.3)	23.2 (25.6)	24.6 (27.1)	22.1 (24.4)	23.4 (25.8)	
18.0 (59'1")	20.0 (22.0)	21.2 (23.4)	19.8 (21.8)	21.0 (23.1)	19.6 (21.6)	20.8 (22.9)	19.5 (21.5)	20.7 (22.8)	
20.0 (65'7")	17.2 (19.0)	18.2 (20.1)	17.1 (18.8)	18.1 (20.0)	16.9 (18.6)	17.9 (19.7)	16.8 (18.5)	17.8 (19.6)	
22.0 (72'2")	14.9 (16.4)	15.8 (17.4)	14.8 (16.3)	15.7 (17.3)	14.6 (16.1)	15.5 (17.1)	14.5 (16.0)	15.4 (17.0)	
24.0 (78'9")	13.2 (14.6)	14.0 (15.4)	13.0 (14.3)	13.8 (15.2)	12.8 (14.1)	13.6 (15.0)	12.7 (14.0)	13.5 (14.9)	
26.0 (85'4")	11.7 (12.9)	12.4 (13.7)	11.5 (12.7)	12.2 (13.4)	11.3 (12.5)	12.0 (13.2)	11.2 (12.3)	11.9 (13.1)	
28.0 (91'10")	10.5 (11.6)	11.1 (12.2)	10.3 (11.4)	10.9 (12.0)	10.1 (11.1)	10.7 (11.8)	10.0 (11.0)	10.6 (11.7)	
30.0 (98'5")	9.4 (10.4)	10.0 (11.0)	9.3 (10.3)	9.9 (10.9)	9.0 (9.9)	9.5 (10.5)	8.9 (9.8)	9.4 (10.4)	
32.0 (104'12")	8.5 (9.4)	9.0 (9.9)	8.4 (9.3)	8.9 (9.8)	8.1 (8.9)	8.6 (9.5)	8.0 (8.8)	8.5 (9.4)	
34.0 (111'7")	7.7 (8.5)	8.2 (9.0)	7.6 (8.4)	8.1 (8.9)	7.3 (8.0)	7.7 (8.5)	7.2 (7.9)	7.6 (8.4)	
36.0 (118'1")	7.0 (7.7)	7.4 (8.2)	6.9 (7.6)	7.3 (8.0)	6.6 (7.3)	7.0 (7.7)	6.5 (7.2)	6.9 (7.6)	
38.0 (124'8")	6.4 (7.1)	6.8 (7.5)	6.3 (6.9)	6.7 (7.4)	6.0 (6.6)	6.4 (7.1)	6.0 (6.6)	6.4 (7.1)	
40.0 (131'3")	5.9 (6.5)	6.3 (6.9)	5.7 (6.3)	6.0 (6.6)	5.5 (6.1)	5.8 (6.4)	5.4 (6.0)	5.7 (6.3)	
42.0 (137'10")	5.4 (6.0)	5.7 (6.3)	5.2 (5.7)	5.5 (6.1)	4.9 (5.4)	5.2 (5.7)	4.8 (5.3)	5.1 (5.6)	
44.0 (144'4")	4.6 (5.1)	4.9 (5.4)	4.5 (5.0)	4.8 (5.3)	4.4 (4.9)	4.7 (5.2)	4.3 (4.7)	4.6 (5.1)	
46.0 (150'11")	4.4 (4.9)	4.7 (5.2)	4.3 (4.7)	4.6 (5.1)	4.0 (4.4)	4.2 (4.6)	3.8 (4.2)	4.0 (4.4)	
48.0 (157'6")	3.9 (4.3)	4.1 (4.5)	3.6 (4.0)	3.8 (4.2)	3.5 (3.9)	3.7 (4.1)	3.4 (3.7)	3.6 (4.0)	
50.0 (164'0")			3.3 (3.6)	3.5 (3.9)	3.1 (3.4)	3.3 (3.6)	3.0 (3.3)	3.2 (3.5)	
52.0 (170'7")					2.7 (3.0)	2.9 (3.2)	2.6 (2.9)	2.8 (3.1)	
Counter-weight t(USst)	42 (46.3)	42+3 (46.3+3.3)	42 (46.3)	42+3 (46.3+3.3)	42 (46.3)	42+3 (46.3+3.3)	42 (46.3)	42+3 (46.3+3.3)	

Note: 1. the actual hoisting capacity is the value that rated hoisting capacity in the table deducts the weight of hook block and other lifting tools.

2. The italic values in grey filling table means the operating condition under which standard counterweight and additional counterweight are included.

3. The rated loads in the table represent the values when slowly and smoothly hoisting a weight on a horizontal and hardy soil surface under non-traveling hoisting working state.

4. All values in the load table apply to 360° rotation.

5. The rated loads in the table were calculated under the condition that the wind speed was 9.8m/s (22 mph) and according to 75% of the tilting load.

Note: To prevent retroversion, it is essential to connect a 39m (127'11") long boom frame and then install the additional counterweight.



Boom Load Charts 4/4									Unit : t(USt)
Length m(ft) Radius m(ft)	63 (206'8")		66 (216'6")		69 (226'5")		72 (236'3")		
12.0 (39'4")	22.9 (25.2)	24.3 (26.8)	19.4 (21.4)	20.6 (22.7)					
14.0 (45'11")	21.8 (24.0)	23.1 (25.5)	19.2 (21.2)	20.4 (22.5)	17.8 (19.6)	18.9 (20.8)	16.0 (17.6)	17.0 (18.7)	
16.0 (52'6")	20.2 (22.3)	21.4 (23.6)	18.3 (20.2)	19.4 (21.4)	17.0 (18.7)	18.0 (19.8)	15.4 (17.0)	16.3 (18.0)	
18.0 (59'1")	19.4 (21.4)	20.6 (22.7)	17.5 (19.3)	18.6 (20.5)	16.2 (17.9)	17.2 (19.0)	14.6 (16.1)	15.5 (17.1)	
20.0 (65'7")	16.7 (18.4)	17.7 (19.5)	16.5 (18.2)	17.5 (19.3)	15.5 (17.1)	16.4 (18.1)	13.9 (15.3)	14.7 (16.2)	
22.0 (72'2")	14.4 (15.9)	15.3 (16.9)	14.2 (15.7)	15.1 (16.6)	14.0 (15.4)	14.8 (16.3)	13.0 (14.3)	13.8 (15.2)	
24.0 (78'9")	12.6 (13.9)	13.4 (14.8)	12.4 (13.7)	13.1 (14.4)	12.2 (13.4)	12.9 (14.2)	12.0 (13.2)	12.7 (14.0)	
26.0 (85'4")	11.1 (12.2)	11.8 (13.0)	10.9 (12.0)	11.6 (12.8)	10.7 (11.8)	11.3 (12.5)	10.5 (11.6)	11.1 (12.2)	
28.0 (91'10")	9.9 (10.9)	10.5 (11.6)	9.7 (10.7)	10.3 (11.4)	9.5 (10.5)	10.1 (11.1)	9.3 (10.3)	9.9 (10.9)	
30.0 (98'5")	8.8 (9.7)	9.3 (10.3)	8.6 (9.5)	9.1 (10.0)	8.4 (9.3)	8.9 (9.8)	8.2 (9.0)	8.7 (9.6)	
32.0 (104'12")	7.9 (8.7)	8.4 (9.3)	7.7 (8.5)	8.2 (9.0)	7.5 (8.3)	8.0 (8.8)	7.3 (8.0)	7.7 (8.5)	
34.0 (111'7")	7.1 (7.8)	7.5 (8.3)	6.9 (7.6)	7.3 (8.0)	6.7 (7.4)	7.1 (7.8)	6.5 (7.2)	6.9 (7.6)	
36.0 (118'1")	6.4 (7.1)	6.8 (7.5)	6.2 (6.8)	6.6 (7.3)	6.0 (6.6)	6.4 (7.1)	5.8 (6.4)	6.1 (6.7)	
38.0 (124'8")	5.8 (6.4)	6.1 (6.7)	5.6 (6.2)	5.9 (6.5)	5.4 (6.0)	5.7 (6.3)	5.1 (5.6)	5.4 (6.0)	
40.0 (131'3")	5.2 (5.7)	5.5 (6.1)	4.9 (5.4)	5.2 (5.7)	4.6 (5.1)	4.9 (5.4)	4.3 (4.7)	4.6 (5.1)	
42.0 (137'10")	4.6 (5.1)	4.9 (5.4)	4.3 (4.7)	4.6 (5.1)	4.1 (4.5)	4.3 (4.7)	3.8 (4.2)	4.0 (4.4)	
44.0 (144'4")	4.1 (4.5)	4.3 (4.7)	3.8 (4.2)	4.0 (4.4)	3.5 (3.9)	3.7 (4.1)	3.2 (3.5)	3.4 (3.7)	
46.0 (150'11")	3.6 (4.0)	3.8 (4.2)	3.3 (3.6)	3.5 (3.9)	3.1 (3.4)	3.3 (3.6)	2.8 (3.1)	3.0 (3.3)	
48.0 (157'6")	3.2 (3.5)	3.4 (3.7)	2.9 (3.2)	3.1 (3.4)	2.6 (2.9)	2.8 (3.1)	2.3 (2.5)	2.4 (2.6)	
50.0 (164'0")	2.8 (3.1)	3.0 (3.3)	2.5 (2.8)	2.7 (3.0)	2.3 (2.5)	2.4 (2.6)	2.0 (2.2)	2.1 (2.3)	
52.0 (170'7")	2.4 (2.6)	2.5 (2.8)	2.1 (2.3)	2.2 (2.4)	2.0 (2.2)	2.1 (2.3)	1.8 (2.0)	1.9 (2.1)	
Counter-weight t(USt)	42 (46.3)	42+3 (46.3+3.3)	42 (46.3)	42+3 (46.3+3.3)	42 (46.3)	42+3 (46.3+3.3)	42 (46.3)	42+3 (46.3+3.3)	

Note: 1. the actual hoisting capacity is the value that rated hoisting capacity in the table deducts the weight of hook block and other lifting tools.

2. The italic values in grey filling table means the operating condition under which standard counterweight and additional counterweight are included.

3. The rated loads in the table represent the values when slowly and smoothly hoisting a weight on a horizontal and hardy soil surface under non-traveling hoisting working state.

4. All values in the load table apply to 360° rotation.

5. The rated loads in the table were calculated under the condition that the wind speed was 9.8m/s (22 mph) and according to 75% of the tilting load.

Note: To prevent retroversion, it is essential to connect a 39m (127'11") long boom frame and then install the additional counterweight.