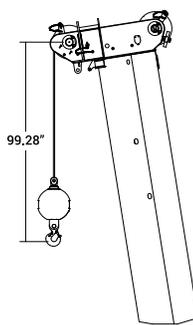
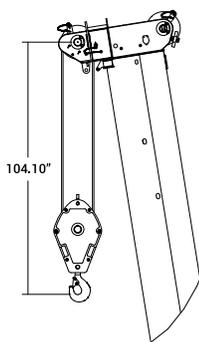
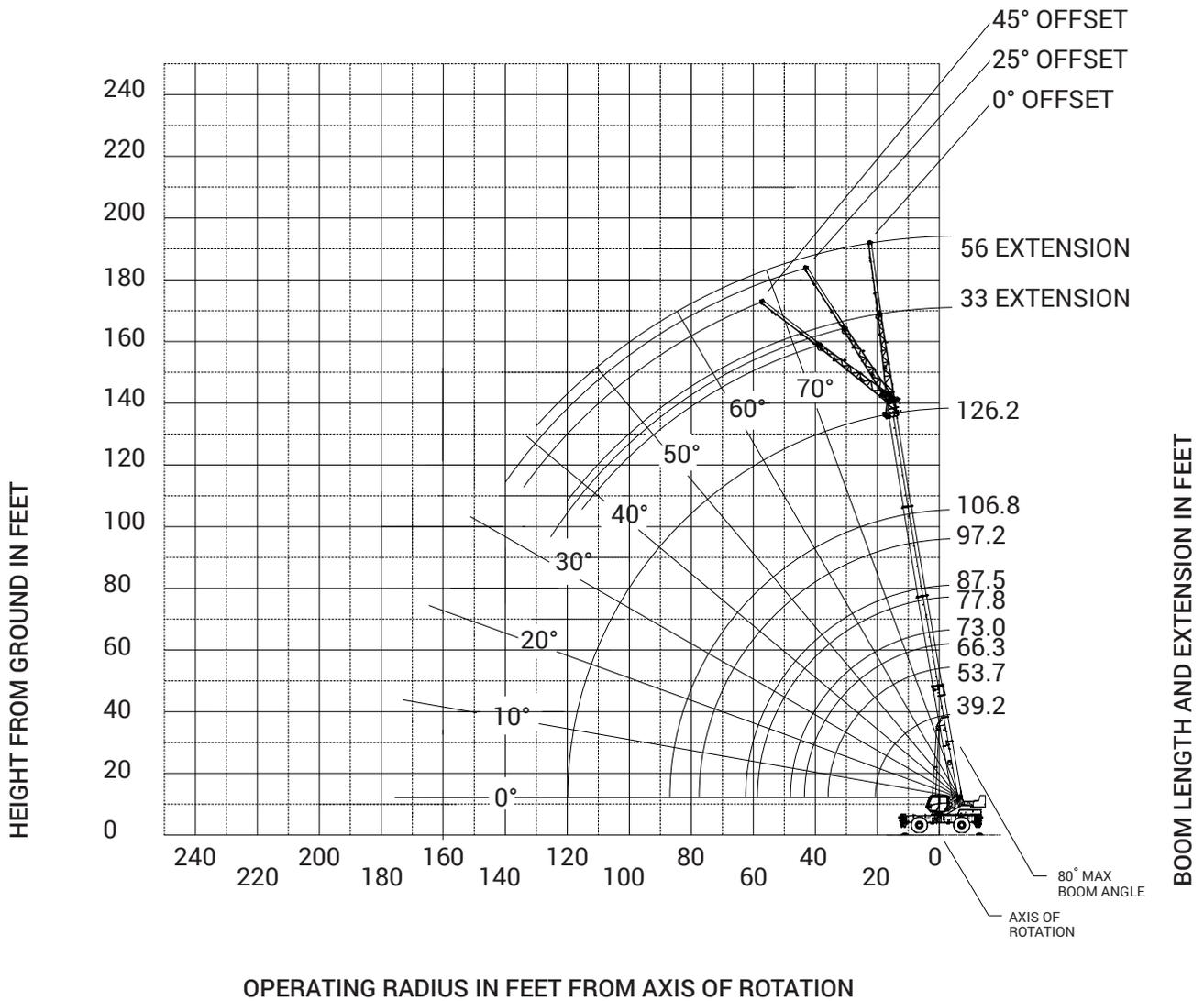


WORKING RANGE

Working Range Diagram with Bi-Fold Extension

(Boom deflection not shown)



DIMENSIONS ARE FOR LARGEST GROVE FURNISHED HOOK BLOCK AND HEADACHE BALL, WITH ANTI-TWO BLOCK ACTIVATED.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

LOAD CHART

Main Boom



39.2 ft - 126.2 ft



15,200 lb



100%



360°



Pounds

Feet	Main boom length in feet										
	39.2	48.9	53.7	58.5	63.3	68.2	68.2	73.0	77.8	77.8	82.7
Mode	A, X, B	A	X, B	A	X	B	A	X	B	A	X
8	130,000 (73)	60,700 (77)	119,000 (78.5)	60,250 (79.5)	–	–	–	–	–	–	–
10	130,000 (70)	60,700 (74.5)	119,000 (76)	60,250 (77.5)	60,050 (78.5)	39,650 (79.5)	60,150 (79.5)	*60,050 (80)	–	–	–
12	119,000 (67)	60,700 (72)	118,500 (74)	60,250 (75.5)	60,050 (76.5)	39,650 (77.5)	60,150 (78)	60,050 (79)	39,450 (79.5)	55,250 (79.5)	*60,050 (80)
15	102,000 (61.5)	60,700 (68)	101,500 (70.5)	60,250 (72)	60,050 (74)	39,650 (75)	60,150 (75)	60,050 (76.5)	39,450 (77.5)	55,250 (77.5)	60,050 (78.5)
20	77,950 (52.5)	60,700 (61.5)	77,350 (64.5)	60,250 (67)	60,050 (69)	39,650 (70.5)	60,150 (70.5)	60,050 (72)	39,450 (73.5)	55,250 (73.5)	60,050 (74.5)
25	59,000 (42)	60,500 (54)	58,450 (58)	60,250 (61.5)	59,650 (64)	39,650 (66)	60,150 (66)	60,050 (68)	39,450 (69.5)	51,850 (69.5)	60,050 (71)
30	41,500 (27)	44,300 (46.5)	41,050 (51.5)	46,750 (55.5)	42,300 (58.5)	39,650 (61.5)	44,400 (61)	43,950 (63.5)	39,450 (65.5)	45,350 (65.5)	45,400 (67)
35	–	32,900 (36.5)	30,350 (43.5)	33,550 (49)	31,400 (53)	30,250 (56.5)	33,850 (56)	32,700 (59)	31,200 (61.5)	35,050 (61)	33,850 (63.5)
40	–	25,300 (23)	23,250 (34.5)	25,850 (41.5)	24,250 (47)	23,250 (51)	26,950 (51)	25,350 (54)	24,050 (57)	27,700 (57)	26,350 (59.5)
45	–	–	18,150 (21)	20,850 (32.5)	19,200 (39.5)	18,250 (45)	22,100 (45)	20,150 (49)	19,000 (52.5)	22,500 (52)	21,050 (55)
50	–	–	–	17,350 (19.5)	15,350 (31)	14,500 (38)	18,000 (38)	16,300 (43)	15,250 (47.5)	18,600 (47)	17,100 (50.5)
55	–	–	–	–	12,350 (18.5)	11,550 (30)	14,800 (29.5)	13,300 (36.5)	12,350 (41.5)	15,650 (41.5)	14,050 (46)
60	–	–	–	–	–	9,210 (17.5)	12,250 (17)	10,850 (28.5)	9,990 (35.5)	13,200 (35.5)	11,600 (40.5)
65	–	–	–	–	–	–	–	8,880 (16)	8,050 (27.5)	11,200 (27.5)	9,600 (34)
70	–	–	–	–	–	–	–	–	6,440 (15)	9,580 (15)	7,920 (26.5)
75	–	–	–	–	–	–	–	–	–	–	6,490 (14)

NOTE: () Boom angles are in degrees.

*This capacity is based on maximum boom angle.

!Special equipment required to lift this capacity.

Boom angle	Lifting capacities at 0° boom angle										
	39.2	48.9	53.7	58.5	63.3	68.2	68.2	73	77.8	77.8	82.7
0°	25,250 (32.8)	19,050 (42.4)	14,800 (47.3)	14,900 (52.1)	11,350 (56.9)	8,490 (61.8)	11,500 (61.8)	8,320 (66.6)	6,020 (71.4)	9,150 (71.4)	6,160 (76.3)

NOTE: () Reference radii in feet.

Shaded area indicates optimal lift capacity within boom length sections.

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LOAD CHART

Main Boom

 39.2 ft - 126.2 ft

 15,200 lb

 100%

 360°



 Pounds

Feet	Main boom length in feet									
	87.5	87.5	92.3	97.2	97.2	102.0	106.8	111.7	116.5	126.2
Mode	B	A	X	B	A	X	B	A, X	B	A, X, B
12	*39,400 (80)	*29,550 (80)	–	–	–	–	–	–	–	–
15	39,400 (79)	29,550 (79)	60,050 (80)	*39,350 (80)	14,600 (80)	*49,250 (80)	*39,300 (80)	–	–	–
20	39,400 (75.5)	29,550 (75.5)	60,050 (76.5)	39,350 (77.5)	14,600 (77)	49,250 (78)	39,300 (78.5)	40,050 (79.5)	*36,200 (80)	*29,850 (80)
25	39,400 (72)	29,550 (72)	57,300 (73.5)	39,350 (74.5)	14,600 (74)	49,250 (75)	39,300 (76)	40,050 (76.5)	36,200 (77.5)	29,850 (78.5)
30	39,400 (68.5)	29,550 (68.5)	44,300 (70)	39,350 (71)	14,600 (71)	44,350 (72)	39,300 (73)	39,700 (74)	36,200 (75)	29,850 (76.5)
35	32,100 (65)	29,550 (65)	33,400 (66.5)	32,950 (68)	14,600 (67.5)	35,050 (69)	33,650 (70)	35,550 (71.5)	34,350 (72.5)	29,850 (74)
40	24,800 (61.5)	27,650 (61)	26,250 (63)	25,600 (64.5)	14,600 (64.5)	27,500 (66)	26,200 (67.5)	28,050 (68.5)	26,800 (69.5)	27,400 (71.5)
45	19,700 (57.5)	22,550 (57.5)	21,200 (59.5)	20,450 (61.5)	14,600 (61)	22,150 (63)	20,950 (64.5)	22,700 (65.5)	21,500 (67)	22,050 (69)
50	15,900 (53.5)	18,800 (53.5)	17,500 (56)	16,600 (58)	14,600 (57.5)	18,200 (59.5)	17,100 (61.5)	18,750 (63)	17,550 (64)	18,050 (66.5)
55	13,000 (49)	15,900 (49)	14,600 (52)	13,650 (54)	14,600 (54)	15,150 (56.5)	14,100 (58)	15,700 (60)	14,550 (61.5)	14,950 (64)
60	10,650 (44.5)	13,600 (44)	12,300 (47.5)	11,300 (50.5)	14,050 (50)	12,700 (53)	11,700 (55)	13,250 (56.5)	12,100 (58.5)	12,550 (61.5)
65	8,760 (39)	11,700 (39)	10,450 (43)	9,390 (46.5)	12,050 (46)	10,750 (49)	9,780 (51.5)	11,250 (53.5)	10,150 (55.5)	10,550 (59)
70	7,130 (33)	10,100 (33)	8,880 (38)	7,800 (41.5)	10,400 (41.5)	9,110 (45)	8,170 (48)	9,640 (50)	8,540 (52.5)	8,900 (56)
75	5,760 (25)	8,750 (25)	7,520 (32)	6,410 (36.5)	8,970 (37)	7,710 (40.5)	6,810 (44)	8,250 (46.5)	7,160 (49)	7,510 (53)
80	4,580 (13)	7,580 (13)	6,370 (24.5)	5,220 (31)	7,720 (31)	6,490 (35.5)	5,620 (39.5)	7,070 (43)	5,980 (45.5)	6,320 (50)
85	–	–	5,370 (12)	4,190 (23.5)	6,650 (23.5)	5,430 (30)	4,580 (35)	6,010 (38.5)	4,960 (42)	5,290 (47)
90	–	–	–	3,290 (11)	5,710 (11)	4,510 (22.5)	3,680 (29)	5,090 (34)	4,040 (37.5)	4,390 (43.5)
95	–	–	–	–	–	3,690 (10)	2,870 (22)	4,270 (28.5)	3,230 (33)	3,580 (40)
100	–	–	–	–	–	–	2,160 (9)	3,550 (21)	2,510 (27.5)	2,860 (36)
105	–	–	–	–	–	–	–	2,900 (7.5)	1,870 (20.5)	2,210 (31.5)
110	–	–	–	–	–	–	–	–	1,290 (6)	1,620 (26.5)
115	–	–	–	–	–	–	–	–	–	1,090 (19.5)
Minimum boom angle (°) for indicated length (no load)										18.5°
Maximum boom length (ft) at 0° boom angle (no load)										116.5 ft

NOTE: () Boom angles are in degrees.
*This capacity is based on maximum boom angle.

Boom angle	Lifting capacities at 0° boom angle									
	87.5	87.5	92.3	97.2	97.2	102	106.8	111.7	116.5	126.2
0°	4,350 (81.1)	7,350 (81.1)	5,190 (85.9)	3,170 (90.8)	5,570 (90.8)	3,600 (95.6)	2,110 (100.4)	2,870 (105.2)	1,280 (110.1)	–

NOTE: () Reference radii in feet.
Shaded area indicates optimal lift capacity within boom length sections.

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LOAD CHART

Main Boom - MAXbase



39.2 ft - 126.2 ft



15,200 lb



100%



360°



MAXbase



Pounds

Feet	Main boom length in feet										
	39.2	48.9	53.7	58.5	63.3	68.2	68.2	73	77.8	77.8	82.7
Mode	A, X, B	A	X, B	A	X	B	A	X	B	A	X
10	130,000	60,700	119,000	60,250	60,050	39,650	60,150	60,050	39,450	55,250	—
12	121,500	60,700	119,000	60,250	60,050	39,650	60,150	60,050	39,450	55,250	60,050
15	104,000	60,700	104,000	60,250	60,050	39,650	60,150	60,050	39,450	55,250	60,050
20	77,950	60,700	77,350	60,250	60,050	39,650	60,150	60,050	39,450	55,250	60,050
25	59,000	60,500	58,450	60,250	59,650	39,650	60,150	60,050	39,450	51,850	60,050
30	46,600	48,100	46,050	49,050	47,250	39,650	49,700	48,100	39,450	45,350	48,750
35	—	37,000	34,400	37,750	35,350	33,400	38,200	36,050	34,350	38,550	36,600
40	—	28,700	26,350	29,700	27,450	25,550	30,150	28,150	26,400	30,450	28,650
45	—	—	20,650	23,850	21,850	20,050	24,400	22,500	20,850	24,700	23,000
50	—	—	—	19,550	17,600	16,050	20,200	18,400	16,900	20,500	18,850
55	—	—	—	—	14,400	12,850	16,900	15,250	13,800	17,250	15,750
60	—	—	—	—	—	10,300	14,250	12,650	11,250	14,700	13,250
65	—	—	—	—	—	—	—	10,550	9,170	12,550	11,100
70	—	—	—	—	—	—	—	—	7,440	10,800	9,380
75	—	—	—	—	—	—	—	—	—	—	7,910

NOTE: () Boom angles are in degrees.

Boom angle	Lifting capacities at 0° boom angle										
	39.2	48.9	53.7	58.5	63.3	68.2	68.2	73	77.8	77.8	82.7
0°	25,250	19,050	14,800	14,900	11,600	8,800	11,900	9,260	6,930	9,700	7,450

NOTE: () Reference radii in feet.
Shaded area indicates optimal lift capacity within boom length sections.

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LOAD CHART

Main Boom - MAXbase



39.2 ft - 126.2 ft



15,200 lb



100%



360°



MAXbase



Pounds

Feet	Main boom length in feet									
	87.5	87.5	92.3	97.2	97.2	102	106.8	111.7	116.5	126.2
Mode	B	A	X	B	A	X	B	A, X	B	A, X, B
12	39,400	29,550	—	—	—	—	—	—	—	—
15	39,400	29,550	60,050	39,350	14,600	49,250	39,300	—	—	—
20	39,400	29,550	60,050	39,350	14,600	49,250	39,300	40,050	36,200	29,850
25	39,400	29,550	57,300	39,350	14,600	49,250	39,300	40,050	36,200	29,850
30	39,400	29,550	49,250	39,350	14,600	44,350	39,300	39,700	36,200	29,850
35	34,850	29,550	36,950	35,400	14,600	37,250	35,800	35,550	35,150	29,850
40	27,050	29,550	29,050	27,600	14,600	29,350	28,000	29,600	28,300	28,550
45	21,500	24,950	23,400	22,000	14,600	23,650	22,350	23,900	22,650	22,900
50	17,400	20,700	19,200	17,850	14,600	19,450	18,250	19,700	18,500	18,750
55	14,400	17,450	16,150	14,850	14,600	16,450	15,250	16,650	15,550	15,800
60	11,900	15,000	13,600	12,350	14,600	13,850	12,700	14,100	13,000	13,250
65	9,870	12,900	11,550	10,300	13,050	11,800	10,650	12,000	10,950	11,200
70	8,130	11,100	9,820	8,640	11,300	10,100	8,990	10,300	9,280	9,510
75	6,670	9,620	8,340	7,190	9,860	8,670	7,570	8,880	7,850	8,080
80	5,430	8,350	7,080	5,950	8,580	7,410	6,350	7,650	6,630	6,860
85	—	—	6,000	4,870	7,470	6,320	5,270	6,580	5,590	5,810
90	—	—	—	3,940	6,530	5,370	4,330	5,620	4,660	4,890
95	—	—	—	—	—	4,550	3,510	4,790	3,830	4,090
100	—	—	—	—	—	—	2,790	4,050	3,090	3,350
105	—	—	—	—	—	—	—	3,410	2,440	2,700
110	—	—	—	—	—	—	—	—	1,880	2,110
115	—	—	—	—	—	—	—	—	—	1,590

NOTE: () Boom angles are in degrees.

Boom angle	Lifting capacities at 0° boom angle									
	87.5	87.5	92.3	97.2	97.2	102	106.8	111.7	116.5	126.2
0°	5,180	7,950	5,820	3,810	6,410	4,470	2,740	3,390	1,880	1,160

NOTE: () Reference radii in feet.
Shaded area indicates optimal lift capacity within boom length sections.

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LOAD CHART

Manual Extension



126.2 ft



33 ft - 56 ft



15,200 lb



100%



360°



Pounds

Feet	33 ft length			56 ft length		
	0° offset	25° offset	45° offset	0° offset	25° offset	45° offset
30	14,500 (80)					
35	14,500 (78.5)	*10,200 (80)		8,950 (80)		
40	14,500 (76.5)	9,900 (79.5)		8,950 (79)		
45	14,500 (75)	9,620 (77.5)	6,300 (79.5)	8,610 (77.5)		
50	14,500 (73)	9,350 (75.5)	6,160 (77.5)	8,210 (76)		
55	13,950 (71)	9,110 (74)	6,030 (75.5)	7,830 (74)	4,890 (80)	
60	13,300 (69)	8,880 (72)	5,910 (74)	7,480 (72.5)	4,740 (78.5)	
65	11,300 (67)	8,670 (70)	5,790 (72)	7,150 (71)	4,600 (76.5)	2,970 (80)
70	9,680 (64.5)	8,470 (68)	5,680 (70)	6,840 (69)	4,470 (75)	2,900 (78)
75	8,280 (62.5)	8,290 (66)	5,570 (68)	6,550 (67.5)	4,350 (73)	2,830 (76.5)
80	7,100 (60)	8,120 (64)	5,480 (66)	6,280 (65.5)	4,240 (71)	2,770 (74.5)
85	6,070 (58)	7,100 (62)	5,400 (63.5)	6,030 (63.5)	4,140 (69.5)	2,700 (72.5)
90	5,170 (55.5)	6,100 (59.5)	5,320 (61.5)	5,790 (61.5)	4,040 (67.5)	2,640 (70.5)
95	4,380 (53.5)	5,210 (57.5)	5,250 (59)	5,250 (60)	3,940 (65.5)	2,590 (68.5)
100	3,680 (51)	4,430 (55)	4,700 (56.5)	4,490 (58)	3,850 (63.5)	2,540 (66.5)
105	3,050 (48.5)	3,730 (52)	3,930 (53.5)	3,810 (56)	3,770 (61.5)	2,500 (64.5)
110	2,490 (45.5)	3,080 (49.5)	3,240 (51)	3,200 (53.5)	3,700 (59.5)	2,460 (62.5)
115	1,980 (43)	2,490 (46.5)	2,610 (48)	2,650 (51.5)	3,620 (57.5)	2,420 (60)
120	1,520 (40)	1,950 (43.5)		2,150 (49)	3,070 (55.5)	2,390 (58)
125	1,100 (37)	1,460 (40.5)		1,690 (47)	2,510 (53)	2,360 (55.5)
130		1,020 (37)		1,270 (44.5)	2,000 (50.5)	2,160 (52.5)
135					1,520 (48)	1,680 (50)
140					1,080 (45)	
Min. boom angle for indicated length (no load)	36°	36°	47°	43.5°	44°	49°
Max. boom length at 0° boom angle (no load)	102 ft			82.7 ft		

NOTE: () Boom angles are in degrees.

- 33 ft and 56 ft folding boom extension lengths may be used for single line lifting service only.
- For main boom lengths less than 112 ft with the boom extension erected, the rated loads are determined by boom angle. Use only the column that corresponds to the boom extension length and offset for which the machine is set up. For boom angles not shown, use rating of the next lower boom angle.
- WARNING: Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.
- Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
- Capacities listed are with outriggers properly extended and vertical jacks set only.
- When lifting over the main boom nose with 33 ft or 56 ft extension erected, the outriggers must be fully extended.

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LOAD CHART

Pick and Carry



39.2 ft - 126.2 ft



15,200 lb



Pick and carry up to 1 mph
23.5 x 25 tires



Boom over front

Boom centered over front				
Radius in feet	Main boom length in feet			
	39.2	48.9	58.5	68.2
Mode	A	A	A	A
12	32,450 (67)	31,000 (72)	24,500 (75.5)	21,550 (77.5)
15	30,400 (62)	30,000 (68.5)	24,500 (72)	21,550 (75)
20	22,550 (53.5)	23,050 (62)	23,400 (67)	21,550 (70.5)
25	16,650 (43)	17,750 (55)	18,550 (61.5)	18,750 (66)
30	12,100 (29)	13,900 (47.5)	14,850 (56)	15,000 (61)
35	—	11,050 (38)	11,900 (49.5)	12,100 (56)
40	—	8,830 (24.5)	9,550 (42.5)	9,830 (51)
45	—	—	7,590 (34)	7,960 (45)
50	—	—	5,940 (21)	6,400 (38)
55	—	—	—	5,090 (30)
60	—	—	—	3,970 (17.5)
Minimum boom angle (°) for indicated length (no load)				0°
Maximum boom length at 0° boom angle (no load) - X mode				68.2 ft

NOTE: () Boom angles are in degrees.
*This capacity is based on maximum boom angle.

1. Capacities are in pounds and do not exceed 75% of tipping loads as determined by test in accordance with SAE J765.
2. Capacities are applicable to machines equipped with Titan ND LCM or Maitech MT212+ E-3/L-3 - 23.5x25 (36 ply) tires, at 102 psi (7.0 BAR)..
3. Capacities are applicable only with machine on firm level surface.
4. On rubber lifting with boom extension not permitted.
5. For pick and carry operation, boom must be centered over front of machine, mechanical swing lock engaged and load restrained from swinging.
6. Axle lockouts must be functioning when lifting on rubber.
7. All lifting depends on proper tire inflation, capacity and condition. Capacities must be reduced for lower tire inflation pressures. See lifting capacity chart for tire used. Damaged tires are hazardous to safe operation of crane.
8. Creep — not over 200 ft of movement in any 30 minute period and not exceeding 1 mph.

Boom angle	Lifting capacities at 0° boom angle			
	39.2	48.9	58.5	68.2
0°	9,550 (32.8)	7,750 (42.4)	5,250 (52.1)	3,570 (61.8)

NOTE: () Reference radii in feet.

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LOAD CHART

Stationary



39.2 ft - 126.2 ft



15,200 lb



Stationary



360°

Stationary capacities				
Radius in feet	Main boom length in feet			
	39.2	48.9	58.5	68.2
Mode	A	A	A	A
12	36,500 (67)	—	—	—
15	28,700 (62)	30,000 (68.5)	26,500 (72)	23,000 (75)
20	17,750 (53.5)	19,200 (62)	20,100 (67)	20,500 (70.5)
25	11,350 (43)	12,800 (55)	13,650 (61.5)	14,300 (66)
30	7,400 (29)	8,760 (47.5)	9,610 (56)	10,200 (61)
35	—	5,990 (38)	6,820 (49.5)	7,400 (56)
40	—	3,960 (24.5)	4,770 (42.5)	5,370 (51)
45	—	—	3,210 (34)	3,840 (45)
50	—	—	1,970 (21)	2,650 (38)
55	—	—	—	1,700 (30)
Minimum boom angle (°) for indicated length (no load)				29°
Maximum boom length at 0° boom angle (no load)				58.5 ft

NOTE: () Boom angles are in degrees.
*This capacity is based on maximum boom angle.

1. Capacities are in pounds and do not exceed 75% of tipping loads as determined by test in accordance with SAE J765.
2. Capacities are applicable to machines equipped with Titan ND LCM or Maitech MT212+ E-3/L-3 - 23.5x25 (36 ply) tires, at 102 psi (7.0 BAR).
3. Capacities are applicable only with machine on firm level surface.
4. On rubber lifting with boom extension not permitted.
5. For pick and carry operation, boom must be centered over front of machine, mechanical swing lock engaged and load restrained from swinging.
6. Axle lockouts must be functioning when lifting on rubber.
7. All lifting depends on proper tire inflation, capacity and condition. Capacities must be reduced for lower tire inflation pressures. See lifting capacity chart for tire used. Damaged tires are hazardous to safe operation of crane.
8. Creep — not over 200 ft of movement in any 30 minute period and not exceeding 1 mph.

Boom angle	Lifting capacities at 0° boom angle			
	39.2	48.9	58.5	68.2
0°	5,760 (32.8)	3,140 (42.4)	1,520 (52.1)	—

NOTE: () Reference radii in feet.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane