

RATED LIFTING CAPACITIES IN POUNDS WITH 8,000 lb COUNTERWEIGHT 37 FT. - 115 FT. BOOM

ON OUTRIGGERS FULLY EXTENDED - OVER REAR

Radius in Feet	#0501								
	Main Boom Length in Feet								
	37	45	55	**63	75	85	95	105	115
10	+80,000 (68.5)	71,500 (72.5)	58,200 (76.5)	49,050 (78.5)					
12	62,000 (65)	59,900 (70)	51,550 (74)	46,200 (76.5)	*33,750 (80)				
15	50,000 (59.5)	50,000 (65.5)	43,800 (71)	39,050 (73.5)	33,750 (77)	*31,750 (80)			
20	37,500 (50)	37,500 (58)	34,250 (65)	30,500 (68.5)	28,400 (73)	26,150 (76)	23,600 (78)	*21,800 (80)	
25	28,000 (38)	28,000 (50)	26,200 (59)	24,600 (63.5)	23,400 (69)	22,050 (72.5)	19,950 (75)	18,450 (77)	*15,050 (80)
30	21,000 (19.5)	21,000 (40.5)	21,000 (52.5)	20,000 (58)	19,250 (65)	18,500 (68.5)	17,100 (71.5)	15,850 (74.5)	15,050 (76.5)
35		15,700 (27.5)	15,700 (45)	15,700 (52.5)	15,700 (60.5)	15,700 (65)	14,900 (68.5)	13,800 (71.5)	13,150 (74)
40			11,200 (36.5)	11,100 (46)	12,050 (55.5)	12,600 (61)	13,050 (65)	12,150 (68.5)	11,600 (71.5)
45	See Note 16		8,820 (25)	8,720 (39)	9,650 (50.5)	10,200 (57)	10,650 (61.5)	10,800 (65.5)	10,350 (68.5)
50				6,840 (30)	7,760 (45)	8,310 (52.5)	8,750 (58)	9,090 (62)	9,280 (65.5)
55				5,320 (17.5)	6,230 (39)	6,780 (48)	7,210 (54)	7,550 (59)	7,830 (63)
60					4,970 (32)	5,520 (43)	5,940 (50)	6,280 (55.5)	6,560 (60)
65					3,910 (22)	4,460 (37)	4,880 (45.5)	5,210 (52)	5,490 (56.5)
70						3,550 (30.5)	3,970 (41)	4,310 (48)	4,580 (53.5)
75						2,780 (21.5)	3,190 (35.5)	3,530 (44)	3,800 (50)
80							2,520 (29)	2,850 (39.5)	3,120 (46.5)
85							1,920 (20.5)	2,250 (34)	2,520 (42.5)
90								1,730 (28)	1,990 (38)
95								1,260 (20)	1,520 (33.5)
100									1,100 (27.5)
Min. boom angle (deg.) for indicated length (no load)									14
Max. boom length (ft.) at 0 degree boom angle (no load)									105

Note: () Boom angles are in degrees.

LMI operating code. Refer to LMI manual for operating instructions.

* This capacity is based on maximum boom angle.

** 63 ft. boom length is with inner mid fully extended and outer mid & fly retracted.

+ 9 parts line required to lift this capacity (using auxiliary boom nose). Refer to Operator's & Safety Handbook for reeving diagram.

Lifting Capacities At Zero Degree Boom Angle On Outriggers Fully Extended - Over Rear									
Boom Angle	Main Boom Length in Feet								
	37	45	55	**63	75	85	95		
0 deg.	19,250 (30.8)	12,000 (38.8)	7,310 (48.8)	4,810 (56.8)	3,200 (68.8)	2,250 (78.8)	1,510 (88.8)		

**RATED LIFTING CAPACITIES IN POUNDS WITH 8,000 lb COUNTERWEIGHT
37 FT. - 115 FT. BOOM**

ON OUTRIGGERS FULLY EXTENDED - 360°

Radius in Feet	#0501								
	Main Boom Length in Feet								
	37	45	55	**63	75	85	95	105	115
10	+80,000 (68.5)	71,500 (72.5)	58,200 (76.5)	49,050 (78.5)					
12	62,000 (65)	59,900 (70)	51,550 (74)	46,200 (76.5)	*33,750 (80)				
15	50,000 (59.5)	50,000 (65.5)	43,800 (71)	39,050 (73.5)	33,750 (77)	*31,750 (80)			
20	37,500 (50)	37,500 (58)	34,250 (65)	30,500 (68.5)	28,400 (73)	26,150 (76)	23,600 (78)	*21,800 (80)	
25	28,000 (38)	28,000 (50)	26,200 (59)	24,600 (63.5)	23,400 (69)	22,050 (72.5)	19,950 (75)	18,450 (77)	*15,050 (80)
30	21,000 (19.5)	21,000 (40.5)	20,400 (52.5)	19,850 (58)	19,250 (65)	18,500 (68.5)	17,100 (71.5)	15,850 (74.5)	15,050 (76.5)
35		15,450 (27.5)	15,000 (45)	14,450 (52.5)	15,200 (60.5)	15,700 (65)	14,900 (68.5)	13,800 (71.5)	13,150 (74)
40			11,100 (36.5)	10,900 (46)	11,600 (55.5)	12,250 (61)	12,750 (65)	12,150 (68.5)	11,600 (71.5)
45	See Note 16		8,420 (25)	8,290 (39)	9,050 (50.5)	9,680 (57)	10,100 (61.5)	10,550 (65.5)	10,350 (68.5)
50				6,260 (30)	7,120 (45)	7,740 (52.5)	8,140 (58)	8,550 (62)	8,970 (65.5)
55				4,640 (17.5)	5,570 (39)	6,240 (48)	6,600 (54)	6,970 (59)	7,360 (63)
60					4,320 (32)	4,930 (43)	5,360 (50)	5,710 (55.5)	6,070 (60)
65					3,230 (22)	3,830 (37)	4,290 (45.5)	4,660 (52)	4,960 (56.5)
70						2,910 (30.5)	3,360 (41)	3,730 (48)	4,020 (53.5)
75						2,120 (21.5)	2,570 (35.5)	2,930 (44)	3,230 (50)
80							1,890 (29)	2,250 (39.5)	2,540 (46.5)
85							1,300 (20.5)	1,650 (34)	1,940 (42.5)
90								1,130 (28)	1,420 (38)
Min. boom angle (deg.) for indicated length (no load)							4	22	29
Max. boom length (ft.) at 0 degree boom angle (no load)							85		

Note: () Boom angles are in degrees.

LMI operating code. Refer to LMI manual for operating instructions.

* This capacity is based on maximum boom angle.

** 63 ft. boom length is with inner mid fully extended and outer mid & fly retracted.

+ 9 parts line required to lift this capacity (using auxiliary boom nose). Refer to Operator's & Safety Handbook for reeving diagram.

Lifting Capacities At Zero Degree Boom Angle On Outriggers Fully Extended - 360°								
Boom Angle	Main Boom Length in Feet							
	37	45	55	**63	75	85		
0 deg.	19,250 (30.8)	12,000 (38.8)	6,760 (48.8)	4,110 (56.8)	2,510 (68.8)	1,590 (78.8)		

Note: () Reference radii in feet.

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30 FT. - 54 FT. FOLDING EXTENSION

ON OUTRIGGERS FULLY EXTENDED - OVER REAR

Radius in Feet	30 FT. LENGTH			54 FT. LENGTH		
	#0521	#0522	#0523	#0541	#0542	#0543
	0° OFFSET	25° OFFSET	45° OFFSET	0° OFFSET	25° OFFSET	45° OFFSET
30	*8,510 (80)					
35	8,510 (78)					
40	8,510 (76)	*8,000 (80)		*5,010 (80)		
45	7,450 (73.5)	7,900 (78)	*4,500 (80)	5,010 (78.5)		
50	6,560 (71.5)	7,340 (75.5)	4,410 (78)	5,010 (77)		
55	5,800 (69.5)	6,500 (73.5)	4,340 (76)	5,010 (75)		
60	5,140 (67.5)	5,770 (71)	4,270 (73.5)	5,010 (73)	*3,840 (80)	
65	4,560 (65)	5,130 (69)	4,220 (71)	4,470 (71.5)	3,640 (78)	
70	4,060 (62.5)	4,570 (66.5)	4,170 (69)	3,990 (69.5)	3,490 (76)	*2,200 (80)
75	3,610 (60.5)	4,070 (64.5)	4,130 (66.5)	3,570 (67.5)	3,340 (74)	2,100 (77.5)
80	3,210 (58)	3,620 (62)	4,100 (64)	3,180 (65.5)	3,220 (72)	2,050 (75)
85	2,860 (55.5)	3,210 (59.5)	3,740 (61)	2,840 (63.5)	3,100 (70)	2,000 (73)
90	2,520 (53)	2,840 (56.5)	3,380 (58.5)	2,530 (61.5)	3,000 (68)	1,970 (71)
95	2,190 (50)	2,490 (54)	2,850 (55.5)	2,250 (59.5)	2,800 (66)	1,940 (68.5)
100	1,820 (47.5)	2,140 (51)		1,990 (57.5)	2,490 (63.5)	1,920 (66.5)
105	1,440 (44.5)	1,760 (48)		1,750 (55)	2,200 (61.5)	1,910 (64)
110	1,090 (41)	1,370 (45)		1,500 (53)	1,930 (59)	1,900 (61.5)
115				1,140 (50.5)	1,670 (56.5)	1,890 (58.5)
120					1,400 (54)	
125					1,140 (51.5)	
No Load Stability Data						
Minimum boom angle (deg.) for indicated length	39	40	45	47	48	48
Maximum boom length (ft.) at 0° boom angle	85			75		

NOTE: () Boom angles are in degrees.

A6-829-100612

#LMI operating code. Refer to LMI manual for operating instructions.

*This capacity is based on maximum boom angle.

- All capacities above the bold line are based on structural strength of boom extension and do not exceed 85% of tipping loads, in accordance with SAE J-765.
- 30 ft. extension length may be used for single or double line lifting service; the 54 ft. extension length may be used for single line lifting service only.
- For main boom lengths less than 115 ft. with boom extension erected, the rated loads are determined by boom angle using the 115 ft. chart. Use only the column which 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.

RATED LIFTING CAPACITIES IN POUNDS WITH 8,000 lb COUNTERWEIGHT 30 FT. - 54 FT. FOLDING EXTENSION

ON OUTRIGGERS FULLY EXTENDED - 360°

Radius in Feet	30 FT. LENGTH			54 FT. LENGTH		
	#0521	#0522	#0523	#0541	#0542	#0543
	0° OFFSET	25° OFFSET	45° OFFSET	0° OFFSET	25° OFFSET	45° OFFSET
30	*8,510 (80)					
35	8,510 (78)					
40	8,510 (76)	*8,000 (80)		*5,010 (80)		
45	7,450 (73.5)	7,900 (78)	*4,500 (80)	5,010 (78.5)		
50	6,560 (71.5)	7,340 (75.5)	4,410 (78)	5,010 (77)		
55	5,800 (69.5)	6,500 (73.5)	4,340 (76)	5,010 (75)		
60	5,140 (67.5)	5,770 (71)	4,270 (73.5)	5,010 (73)	*3,840 (80)	
65	4,560 (65)	5,130 (69)	4,220 (71)	4,470 (71.5)	3,640 (78)	
70	4,060 (62.5)	4,570 (66.5)	4,170 (69)	3,990 (69.5)	3,490 (76)	*2,200 (80)
75	3,610 (60.5)	4,070 (64.5)	4,130 (66.5)	3,570 (67.5)	3,340 (74)	2,100 (77.5)
80	2,650 (58)	3,130 (62)	3,490 (64)	3,060 (65.5)	3,220 (72)	2,050 (75)
85	2,140 (55.5)	2,570 (59.5)	2,880 (61)	2,530 (63.5)	3,100 (70)	2,000 (73)
90	1,690 (53)	2,070 (56.5)	2,350 (58.5)	2,080 (61.5)	2,920 (68)	1,970 (71)
95	1,300 (50)	1,630 (54)	1,860 (55.5)	1,670 (59.5)	2,440 (66)	1,940 (68.5)
100		1,240 (51)		1,320 (57.5)	2,020 (63.5)	1,920 (66.5)
105				1,000 (55)	1,640 (61.5)	1,910 (64)
110					1,290 (59)	1,900 (61.5)
						1,890 (58.5)
No Load Stability Data						
Minimum boom angle (deg.) for indicated length	46	47	47	53	54	54
Maximum boom length (ft.) at 0° boom angle	63			55		

NOTE: () Boom angles are in degrees.

#LMI operating code. Refer to LMI manual for operating instructions.

A6-829-100611

*This capacity is based on maximum boom angle.

1. All capacities above the bold line are based on structural strength of boom extension and do not exceed 85% of tipping loads, in accordance with SAE J-765.
2. 30 ft. extension length may be used for single or double line lifting service; the 54 ft. extension length may be used for single line lifting service only.
3. For main boom lengths less than 115 ft. with boom extension erected, the rated loads are determined by boom angle using the 115 ft. chart. Use only the column which 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.
4. **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.
5. Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
6. Capacities listed are with outriggers properly extended and vertical jacks set only.