

**L500-100**  
**Nominal Rating: 250 Tons Maximum Lifting Capacity**  
**Rev 2.0**  
**Rev Date: 02/29/2016**  
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**IMPERIAL UNITS**

Reach (ft)	Boom Angle (Deg)	Onboard Load (Lbs)	Offboard Load (Lbs)
21.4	81.7	500,000	332,500
25.0	79.6	500,000	332,500
30.0	76.7	500,000	332,500
35.0	73.7	477,050	317,225
40.0	70.7	447,250	297,425
45.0	67.7	390,300	259,550
50.0	64.5	340,925	226,700
55.0	61.3	301,800	200,700
60.0	58.0	270,050	179,575
65.0	54.6	243,775	162,100
70.0	51.0	221,650	147,400
75.0	47.2	202,800	134,850
80.0	43.2	186,500	124,025
85.0	38.8	172,300	114,575
90.0	34.0	159,825	106,275
95.0	28.4	148,750	98,925
100.0	21.7	138,875	92,350
105.0	11.7	130,000	86,450
107.1	0.0	126,550	84,150

**METRIC UNITS**

Reach (m)	Boom Angle (Deg)	Onboard Load (Kgs)	Offboard Load (Kgs)
6.53	81.7	226,800	150,820
7.62	79.6	226,800	150,820
9.14	76.7	226,800	150,820
10.67	73.7	216,380	143,890
12.19	70.7	202,870	134,910
13.72	67.7	177,030	117,730
15.24	64.5	154,640	102,830
16.76	61.3	136,890	91,030
18.29	58.0	122,490	81,450
19.81	54.6	110,570	73,520
21.34	51.0	100,540	66,860
22.86	47.2	91,980	61,160
24.38	43.2	84,590	56,250
25.91	38.8	78,150	51,970
27.43	34.0	72,490	48,200
28.96	28.4	67,470	44,870
30.48	21.7	62,990	41,890
32.00	11.7	58,960	39,210
32.64	0.0	57,400	38,170

API Maximum Overturning Moment (ft-lbs.)	33,430,741	API Maximum Overturning Moment (tonne-meter)	4,621.97
Corresponding Axial Force (lbs.)	995,630	Corresponding Axial Force (kgs.)	451,615
Maximum Axial Force (lbs.)	1,215,000	Maximum Axial Force (kgs.)	551,120
Corresponding Moment (ft-lbs.)	25,670,931	Corresponding Moment (tonne-meter)	3,549.13
Basic Crane Weight (lbs.)	215,000	Basic Crane Weight (kgs.)	97,525
Center of Gravity (ft)	20.24	Center of Gravity (m)	6.17