

**L500-140**  
**Nominal Rating: 250 Tons Maximum Lifting Capacity**  
**Rev 2.1**  
**Rev Date: 12/15/2015**  
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**IMPERIAL UNITS**

Reach (ft)	Boom Angle (Deg)	Onboard Load (Lbs)	Offboard Load (Lbs)
26.7	81.8	449,575	298,975
30.0	80.5	423,250	281,450
35.0	78.4	388,900	258,625
40.0	76.3	359,650	239,175
45.0	74.1	334,250	222,275
50.0	72.0	311,775	207,325
55.0	69.8	291,625	193,925
60.0	67.6	273,350	181,775
65.0	65.3	252,925	168,200
70.0	63.1	230,000	152,950
75.0	60.7	210,425	139,925
80.0	58.3	193,550	128,700
85.0	55.9	178,825	118,900
90.0	53.4	165,875	110,300
95.0	50.7	154,375	102,650
100.0	48.0	144,150	95,850
105.0	45.2	134,925	89,725
110.0	42.2	126,625	84,200
115.0	39.1	119,075	79,200
120.0	35.7	112,200	74,625
125.0	32.0	105,925	70,425
130.0	27.9	100,150	66,600
135.0	23.1	94,800	63,050
140.0	17.1	88,050	58,550
145.0	7.3	76,975	51,175
146.1	0.0	71,600	47,600

**METRIC UNITS**

Reach (m)	Boom Angle (Deg)	Onboard Load (Kgs)	Offboard Load (Kgs)
8.14	81.8	203,920	135,610
9.14	80.5	191,980	127,660
10.67	78.4	176,400	117,310
12.19	76.3	163,130	108,480
13.72	74.1	151,610	100,820
15.24	72.0	141,420	94,040
16.76	69.8	132,280	87,960
18.29	67.6	123,990	82,450
19.81	65.3	114,720	76,290
21.34	63.1	104,320	69,370
22.86	60.7	95,440	63,470
24.38	58.3	87,794	58,370
25.91	55.9	81,110	53,930
27.43	53.4	75,240	50,030
28.96	50.7	70,020	46,560
30.48	48.0	65,386	43,470
32.00	45.2	61,200	40,690
33.53	42.2	57,430	38,190
35.05	39.1	54,010	35,920
36.58	35.7	50,890	33,850
38.10	32.0	48,040	31,940
39.62	27.9	45,420	30,210
41.15	23.1	43,000	28,590
42.67	17.1	39,930	26,550
44.20	7.3	34,910	23,210
44.54	0.0	32,470	21,590

API Maximum Overturning Moment (ft-lbs.)	33,316,180	API Maximum Overturning Moment (tonne-meter)	4,606.13
Corresponding Axial Force (lbs.)	727,770	Corresponding Axial Force (kgs.)	330,115
Maximum Axial Force (lbs.)	1,121,065	Maximum Axial Force (kgs.)	508,515
Corresponding Moment (ft-lbs.)	19,513,110	Corresponding Moment (tonne-meter)	2,697.79
Basic Crane Weight (lbs.)	221,900	Basic Crane Weight (kgs.)	100,655
Center of Gravity (ft)	26.75	Center of Gravity (m)	8.15

The published load chart generated in accordance with Legacy Dynamic Method per API 2C 7th Edition. The load ratings may vary due to the number of part line, line pull, and environmental conditions, etc. The information provided in this document is intended for informational purposes only and is subject to change without notice.