

L500-120
Nominal Rating: 250 Tons Maximum Lifting Capacity
Rev 2.0
Rev Date: 03/23/2016
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IMPERIAL UNITS

Reach (ft)	Boom Angle (Deg)	Onboard Load (Lbs)	Offboard Load (Lbs)
24.1	81.8	500,000	332,500
25.0	81.3	500,000	332,500
30.0	78.9	464,300	308,750
35.0	76.5	429,875	285,875
40.0	74.0	400,375	266,250
45.0	71.5	374,575	249,075
50.0	69.0	347,000	230,750
55.0	66.4	307,150	204,250
60.0	63.8	274,825	182,750
65.0	61.1	248,050	164,950
70.0	58.3	225,525	149,975
75.0	55.5	206,325	137,200
80.0	52.5	189,725	126,175
85.0	49.5	175,275	116,550
90.0	46.3	162,550	108,100
95.0	42.9	151,275	100,600
100.0	39.2	141,200	93,900
105.0	35.3	132,175	87,900
110.0	30.9	124,000	82,450
115.0	25.9	116,600	77,525
120.0	19.8	109,850	73,050
125.0	10.7	103,675	68,950
127.1	0.0	101,225	67,325

METRIC UNITS

Reach (m)	Boom Angle (Deg)	Onboard Load (Kgs)	Offboard Load (Kgs)
7.35	81.8	226,800	150,820
7.62	81.3	226,800	150,820
9.14	78.9	210,600	140,040
10.67	76.5	194,990	129,670
12.19	74.0	181,600	120,770
13.72	71.5	169,900	112,980
15.24	69.0	157,390	104,660
16.76	66.4	139,320	92,640
18.29	63.8	124,660	82,890
19.81	61.1	112,510	74,820
21.34	58.3	102,290	68,020
22.86	55.5	93,580	62,230
24.38	52.5	86,050	57,230
25.91	49.5	79,500	52,860
27.43	46.3	73,730	49,030
28.96	42.9	68,610	45,630
30.48	39.2	64,040	42,590
32.00	35.3	59,950	39,870
33.53	30.9	56,240	37,390
35.05	25.9	52,880	35,160
36.58	19.8	49,820	33,130
38.10	10.7	47,020	31,270
38.74	0.0	45,910	30,530

API Maximum Overturning Moment (ft-lbs.) 33,474,087
Corresponding Axial Force (lbs.) 912,003
Maximum Axial Force (lbs.) 1,217,987
Corresponding Moment (ft-lbs.) 19,894,163
Basic Crane Weight (lbs.) 217,987
Center of Gravity (ft) 23.77

API Maximum Overturning Moment (tonne-meter) 4,627.96
Corresponding Axial Force (kgs.) 413,682
Maximum Axial Force (kgs.) 552,475
Corresponding Moment (tonne-meter) 2,750.47
Basic Crane Weight (kgs.) 98,878
Center of Gravity (m) 7.25