

L120-90
Nominal Rating: 60 Tons Maximum Lifting Capacity
Rev 2.0
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IMPERIAL UNITS

Reach (ft)	Boom Angle (Deg)	Onboard Load (Lbs)	Offboard Load (Lbs)
18.4	81.3	120,000	90,375
20.0	80.2	120,000	90,375
25.0	76.9	120,000	90,375
30.0	73.5	120,000	90,375
35.0	70.0	120,000	81,350
40.0	66.4	102,900	68,425
45.0	62.8	88,375	58,775
50.0	59.0	77,100	51,275
55.0	55.1	68,075	45,275
60.0	50.9	60,700	40,375
65.0	46.5	54,575	36,275
70.0	41.8	49,375	32,825
75.0	36.5	44,925	29,875
80.0	30.5	41,075	27,300
85.0	23.1	37,675	25,050
90.0	11.9	34,700	23,075
91.8	0.0	33,675	22,400

METRIC UNITS

Reach (m)	Boom Angle (Deg)	Onboard Load (Kgs)	Offboard Load (Kgs)
5.62	81.3	54,430	40,990
6.10	80.2	54,430	40,990
7.62	76.9	54,430	40,990
9.14	73.5	54,430	40,990
10.67	70.0	54,430	36,900
12.19	66.4	46,670	31,030
13.72	62.8	40,080	26,660
15.24	59.0	34,970	23,250
16.76	55.1	30,870	20,530
18.29	50.9	27,530	18,310
19.81	46.5	24,750	16,450
21.34	41.8	22,390	14,880
22.86	36.5	20,370	13,550
24.38	30.5	18,630	12,380
25.91	23.1	17,080	11,360
27.43	11.9	15,740	10,460
27.97	0.0	15,270	10,160

API Maximum Overturning Moment (ft-lbs.)	8,244,775	API Maximum Overturning Moment (tonne-meter)	1,139.88
Corresponding Axial Force (lbs.)	338,950	Corresponding Axial Force (kgs.)	153,750
Maximum Axial Force (lbs.)	366,075	Maximum Axial Force (kgs.)	166,050
Corresponding Moment (ft-lbs.)	7,566,950	Corresponding Moment (tonne-meter)	1,046.17
Basic Crane Weight (lbs.)	94,275	Basic Crane Weight (kgs.)	42,775
Center of Gravity (ft)	17.32	Center of Gravity (m)	5.28

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.