

**F120-52.5**  
**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)
7.0	82.3	120,000	120,000
10.0	79.0	120,000	120,000
15.0	73.4	120,000	100,100
20.0	67.6	118,460	78,975
25.0	61.6	99,150	66,100
30.0	55.2	86,000	57,325
35.0	48.2	76,275	50,850
40.0	40.4	68,550	45,700
45.0	31.0	61,800	41,200
50.0	17.8	54,425	36,300
52.5	0.0	44,775	29,850

**METRIC UNITS**

Reach (m)	Boom Angle (Deg)	Onboard Load (Kgs)	Offboard Load (Kgs)
2.13	82.3	54,430	54,430
3.05	79.0	54,430	54,430
4.57	73.4	54,430	45,400
6.10	67.6	53,730	35,820
7.62	61.6	44,970	29,980
9.14	55.2	39,000	26,000
10.67	48.2	34,590	23,060
12.19	40.4	31,090	20,720
13.72	31.0	28,030	18,680
15.24	17.8	24,680	16,460
16.00	0.0	20,310	13,540

API Maximum Overturning Moment (ft-lbs.)	6,017,680	API Maximum Overturning Moment (tonne-meter)	831.97
Corresponding Axial Force (lbs.)	165,780	Corresponding Axial Force (kgs.)	75,200
Maximum Axial Force (lbs.)	282,170	Maximum Axial Force (kgs.)	127,990
Corresponding Moment (ft-lbs.)	1,761,355	Corresponding Moment (tonne-meter)	243.52
Basic Crane Weight (lbs.)	42,200	Basic Crane Weight (kgs.)	19,130
Center of Gravity (ft)	12.60	Center of Gravity (m)	3.84

The published load chart was 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, environmental conditions, etc. The information provided in this document is intended for informational purposes only and is subject to change without notice.