

F80-100
Nominal Rating: 40 Tons Maximum Lifting Capacity
Rev 2.0

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IMPERIAL UNITS

Reach	(ft)	Boom Angle (Deg)	Onboard Load (Lbs)	Offboard Load (Lbs)
11.3		83.5	80,000	68,075
15.0		81.4	80,000	60,050
20.0		78.5	77,175	51,325
25.0		75.5	62,925	41,825
30.0		72.5	52,775	35,100
35.0		69.5	45,525	30,275
40.0		66.4	40,050	26,625
45.0		63.3	35,775	23,775
50.0		60.0	32,325	21,500
55.0		56.6	29,500	19,600
60.0		53.1	27,125	18,025
65.0		49.5	24,550	16,325
70.0		45.6	21,700	14,425
75.0		41.4	19,225	12,775
80.0		36.9	17,050	11,350
85.0		31.8	15,150	10,075
90.0		25.8	13,450	8,950
95.0		18.2	11,925	7,925
100.0		0.0	10,575	7,025

METRIC UNITS

Reach	(m)	Boom Angle (Deg)	Onboard Load (Kgs)	Offboard Load (Kgs)
3.46		83.5	36,280	30,870
4.57		81.4	36,280	27,230
6.10		78.5	35,000	23,280
7.62		75.5	28,540	18,970
9.14		72.5	23,930	15,920
10.67		69.5	20,650	13,730
12.19		66.4	18,160	12,070
13.72		63.3	16,220	10,784
15.24		60.0	14,660	9,752
16.76		56.6	13,380	8,890
18.29		53.1	12,300	8,170
19.81		49.5	11,130	7,400
21.34		45.6	9,840	6,540
22.86		41.4	8,720	5,790
24.38		36.9	7,730	5,140
25.91		31.8	6,870	4,570
27.43		25.8	6,100	4,060
28.96		18.2	5,400	3,590
30.48		0.0	4,790	3,180

API Maximum Overturning Moment (ft-lbs.)	4,186,650	API Maximum Overturning Moment (tonne-meter)	578.83
Corresponding Axial Force (lbs.)	104,375	Corresponding Axial Force (kgs.)	47,350
Maximum Axial Force (lbs.)	231,250	Maximum Axial Force (kgs.)	104,900
Corresponding Moment (ft-lbs.)	2,869,375	Corresponding Moment (tonne-meter)	396.71
Basic Crane Weight (lbs.)	55,300	Basic Crane Weight (kgs.)	25,100
Center of Gravity (ft)	27.67	Center of Gravity (m)	8.43

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.