

F80-80
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)
9.1		83.5	80,000	80,000
10.0		82.8	80,000	80,000
15.0		79.3	80,000	72,150
20.0		75.5	80,000	55,450
25.0		71.8	68,250	45,375
30.0		68.0	58,100	38,625
35.0		64.1	50,825	33,800
40.0		60.0	45,325	31,125
45.0		55.8	41,025	27,275
50.0		51.3	36,150	24,025
55.0		46.6	31,575	21,000
60.0		41.4	27,775	18,475
65.0		35.7	24,550	16,325
70.0		29.0	21,800	14,500
75.0		20.4	19,400	12,900
80.0		0.0	17,325	11,525

METRIC UNITS

Reach	(m)	Boom Angle (Deg)	Onboard Load (Kgs)	Offboard Load (Kgs)
2.77		83.5	36,280	36,280
3.05		82.8	36,280	36,280
4.57		79.3	36,280	32,720
6.10		75.5	36,280	25,150
7.62		71.8	30,950	20,580
9.14		68.0	26,350	17,520
10.67		64.1	23,050	15,330
12.19		60.0	20,550	14,110
13.72		55.8	18,600	12,370
15.24		51.3	16,390	10,890
16.76		46.6	14,320	9,520
18.29		41.4	12,590	8,380
19.81		35.7	11,130	7,400
21.34		29.0	9,880	6,570
22.86		20.4	8,800	5,850
24.38		0.0	7,850	5,220

API Maximum Overturning Moment (ft-lbs.)	4,319,960	API Maximum Overturning Moment (tonne-meter)	597.26
Corresponding Axial Force (lbs.)	133,410	Corresponding Axial Force (kgs.)	60,515
Maximum Axial Force (lbs.)	227,360	Maximum Axial Force (kgs.)	103,130
Corresponding Moment (ft-lbs.)	2,849,265	Corresponding Moment (tonne-meter)	393.93
Basic Crane Weight (lbs.)	51,400	Basic Crane Weight (kgs.)	23,315
Center of Gravity (ft)	21.73	Center of Gravity (m)	6.62

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.