

L80-104
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)
19.0	82.0	80,000	65,250
20.0	81.4	80,000	63,525
25.0	78.5	80,000	55,975
30.0	75.5	75,100	49,950
35.0	72.6	66,425	44,175
40.0	69.5	55,625	37,000
45.0	66.4	47,550	31,625
50.0	63.2	41,275	27,450
55.0	60.0	36,250	24,100
60.0	56.6	32,125	21,350
65.0	53.1	28,700	19,075
70.0	49.4	25,800	17,150
75.0	45.5	23,325	15,500
80.0	41.3	21,175	14,075
85.0	36.7	19,275	12,825
90.0	31.5	17,600	11,700
95.0	25.5	16,125	10,725
100.0	17.5	14,800	9,850
104.5	0.0	11,825	7,875

METRIC UNITS

Reach (m)	Boom Angle (Deg)	Onboard Load (Kgs)	Offboard Load (Kgs)
5.80	82.0	36,280	29,590
6.10	81.4	36,280	28,810
7.62	78.5	36,280	25,390
9.14	75.5	34,060	22,650
10.67	72.6	30,130	20,030
12.19	69.5	25,230	16,780
13.72	66.4	21,570	14,340
15.24	63.2	18,720	12,450
16.76	60.0	16,440	10,930
18.29	56.6	14,570	9,680
19.81	53.1	13,010	8,650
21.34	49.4	11,700	7,770
22.86	45.5	10,580	7,030
24.38	41.3	9,600	6,380
25.91	36.7	8,740	5,810
27.43	31.5	7,980	5,300
28.96	25.5	7,310	4,850
30.48	17.5	6,710	4,460
31.85	0.0	5,360	3,570

API Maximum Overturning Moment (ft-lbs.)	4,495,325	API Maximum Overturning Moment (tonne-meter)	621.50
Corresponding Axial Force (lbs.)	208,900	Corresponding Axial Force (kgs.)	94,755
Maximum Axial Force (lbs.)	272,325	Maximum Axial Force (kgs.)	123,525
Corresponding Moment (ft-lbs.)	3,020,100	Corresponding Moment (tonne-meter)	417.54
Basic Crane Weight (lbs.)	76,100	Basic Crane Weight (kgs.)	34,550
Center of Gravity (ft)	14.66	Center of Gravity (m)	4.47

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.