

**F7-40**  
**Nominal Rating: 3 Tons Maximum Lifting Capacity**  
**Rev 2.0**  
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**IMPERIAL UNITS**

Reach (ft)	Boom Angle (Deg)	Onboard Load (Lbs)	Offboard Load (Lbs)
5.3	82.4	7,000	5,850
10.0	75.6	6,700	4,460
15.0	68.0	5,320	3,540
20.0	60.1	4,390	2,920
25.0	51.4	3,730	2,480
30.0	41.5	3,280	2,180
35.0	29.2	2,730	1,820
40.0	3.7	2,230	1,480
40.1	0.0	2,230	1,480

API Maximum Overturning Moment (ft-lbs.)	234,080
Corresponding Axial Force (lbs.)	11,340
Maximum Axial Force (lbs.)	22,400
Corresponding Moment (ft-lbs.)	99,570
Basic Crane Weight (lbs.)	4,800
Center of Gravity (ft)	10.51

**METRIC UNITS**

Reach (m)	Boom Angle (Deg)	Onboard Load (Kgs)	Offboard Load (Kgs)
1.61	82.4	3,175	2,650
3.05	75.6	3,040	2,020
4.57	68.0	2,410	1,600
6.10	60.1	1,990	1,320
7.62	51.4	1,690	1,125
9.14	41.5	1,490	980
10.67	29.2	1,240	820
12.19	3.7	1,010	670
12.22	0.0	1,010	670

API Maximum Overturning Moment (tonne-meter)	32.36
Corresponding Axial Force (kgs.)	5,145
Maximum Axial Force (kgs.)	10,160
Corresponding Moment (tonne-meter)	13.77
Basic Crane Weight (kgs.)	2,180
Center of Gravity (m)	3.20

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.