

**T30-40-70**  
**Nominal Rating: 15 Tons Maximum Lifting Capacity**  
**Rev 2.0**  
**Rev Date: 12/4/2015**  
**Author: R. Fitzgerald**

**FULLY RETRACTED**

**IMPERIAL UNITS**

Reach (ft)	Boom Angle (Deg)	Onboard Load (Lbs)	Offboard Load (Lbs)
8.1	80.7	30,000	20,125
10.0	77.9	30,000	20,125
15.0	70.4	30,000	20,125
20.0	62.4	30,000	20,125
25.0	53.7	27,425	18,225
30.0	43.8	20,550	13,650
35.0	31.3	15,675	10,425
40.0	0.0	11,825	7,875

**METRIC UNITS**

Reach (m)	Boom Angle (Deg)	Onboard Load (Kgs)	Offboard Load (Kgs)
2.47	80.7	13,600	9,120
3.05	77.9	13,600	9,120
4.57	70.4	13,600	9,120
6.10	62.4	13,600	9,120
7.62	53.7	12,440	8,260
9.14	43.8	9,320	6,190
10.67	31.3	7,110	4,720
12.19	0.0	5,360	3,570

API Maximum Overturning Moment (ft-lbs.)	1,549,775	API Maximum Overturning Moment (tonne-meter)	214.26
Corresponding Axial Force (lbs.)	85,850	Corresponding Axial Force (kgs.)	38,940
Maximum Axial Force (lbs.)	91,525	Maximum Axial Force (kgs.)	41,515
Corresponding Moment (ft-lbs.)	1,318,700	Corresponding Moment (tonne-meter)	182.32
Basic Crane Weight (lbs.)	31,000	Basic Crane Weight (kgs.)	14,075
Center of Gravity (ft)	13.66	Center of Gravity (m)	4.16

**FULLY EXTENDED**

**IMPERIAL UNITS**

Reach (ft)	Boom Angle (Deg)	Onboard Load (Lbs)	Offboard Load (Lbs)
13.0	80.7	30,000	20,131
15.0	79.0	30,000	20,131
20.0	74.8	27,400	18,229
25.0	70.4	22,475	14,960
30.0	66.0	18,825	12,519
35.0	61.4	16,050	10,685
40.0	56.5	13,900	9,257
45.0	51.4	12,200	8,113
50.0	45.8	10,775	7,178
55.0	39.6	9,600	6,398
60.0	32.4	8,475	5,636
65.0	23.1	6,975	4,654
70.0	0.0	4,000	2,673

**METRIC UNITS**

Reach (m)	Boom Angle (Deg)	Onboard Load (Kgs)	Offboard Load (Kgs)
3.95	80.7	13,600	9,130
4.57	79.0	13,600	9,130
6.10	74.8	12,420	8,260
7.62	70.4	10,190	6,780
9.14	66.0	8,530	5,670
10.67	61.4	7,280	4,840
12.19	56.5	6,300	4,190
13.72	51.4	5,530	3,680
15.24	45.8	4,880	3,250
16.76	39.6	4,350	2,900
18.29	32.4	3,840	2,550
19.81	23.1	3,160	2,110
21.34	0.0	1,810	1,210

API Maximum Overturning Moment (ft-lbs.)	1,564,975	API Maximum Overturning Moment (tonne-meter)	216.37
Corresponding Axial Force (lbs.)	47,950	Corresponding Axial Force (kgs.)	21,750
Maximum Axial Force (lbs.)	91,525	Maximum Axial Force (kgs.)	41,515
Corresponding Moment (ft-lbs.)	935,575	Corresponding Moment (tonne-meter)	129.35
Basic Crane Weight (lbs.)	31,000	Basic Crane Weight (kgs.)	14,075
Center of Gravity (ft)	21.50	Center of Gravity (m)	6.55

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.