

**MODEL TC30-40-70 40 FT. RETRACTED
API LOAD CHART (U.S. CUSTOMARY
UNITS)**

REACH (FT.)	BOOM ANGLE (DEG.)	DYNAMIC LOAD (LBS.)	STATIC LOAD (LBS.)
10	75.5	34900	53050
15	68.5	25550	39025
20	60	19850	30475
25	52.5	16400	25300
30	43	13650	21175
35	31	11200	17500
40	0	6650	10675

**MODEL TC30-40-70 50 FT. EXTENDED
API LOAD CHART (U.S. CUSTOMARY
UNITS)**

REACH (FT.)	BOOM ANGLE (DEG.)	DYNAMIC LOAD (LBS.)	STATIC LOAD (LBS.)
10	78	20300	20300
15	72.5	20300	20300
20	66.5	18900	20300
25	60	15350	20300
30	53.5	12950	20125
35	46	11000	17200
40	37.5	9400	14800
45	27	7900	12550
50	0	4500	7450

API PEDESTAL REACTIONS

EBI C30 DYNAMIC LOAD CHART (1000 lb's)

Boom Length	Reach (FT)											
	10	15	20	25	30	35	40	45	50	55	60	
30' Boom	Angle	70.0	60.0	48.0	41.0	3.0						
	Capacity	30.0	24.3	18.6	14.6	8.6						
40' boom	Angle	75.0	68.0	60.0	51.0	41.0	29.0	3.0				
	Capacity	30.0	22.5	17.3	14.0	11.5	9.4	5.4				
50' boom	Angle	79.0	72.0	66.0	60.0	53.0	45.0	37.0	26.0	3.0		
	Capacity	30.0	20.9	16.3	13.4	11.2	9.4	8.1	6.7	3.9		
60' boom	Angle	80.0	75.0	70.0	65.0	60.0	54.0	48.0	41.0	33.0	23.0	3.0
	Capacity	30.0	20.0	15.3	12.5	10.6	8.9	7.8	6.7	5.7	4.7	2.8

* Static Capacity = Dynamic Capacity x 1.5

* These Charts are based on three part reeving with 3/4" Nonrotating EIPS-IWRC wire rope. The winch is 10,000 pound line pull. If the number of reeving is reduced, the maximum capacity of the crane will be limited by the winch capacity.

PEDESTAL REACTIONS FOR THE TC20-33-60

BOOM LENGTH	MAX. OTM* LB's	Ft AXIAL LOAD @ MAX OTM (lb's)	MAX AXIAL LOAD (lb's)	OTM @ MAX. AXIAL LOAD (FT - LBs)
30' Boom	1,175,160	56,135	101,853	945,041
40' Boom	1,123,712	45,078	103,247	955,372
50' Boom	1,092,442	39,046	103,900	963,912
60' Boom	1,045,322	34,013	104,755	974,627

* OTM = Over Turning Moment.

Based on twice the static load plus dead load.