



TOWER CRANE JIB LIFTING CAPACITIES **4000W**

**173' TO 213' NO. 22 TOWER WITH
160' NO. 23 BOOM AND
NO. 124 JIB EXTENSION — 18' JIB STRUT
24' CRAWLERS — EXTENDED**

**CAUTION OUTSIDE
ASSIST REQUIRED**

0 DEGREE JIB OFFSET ANGLE

Chart supplements Tower Capacity Chart No. 5277-B1. Capacities for various tower lengths, jib lengths and operating radii are for freely suspended loads and do not exceed **75%** of a static tipping load. Capacities based on structural competence are denoted by shaded areas.

Machine to operate on a firm surface with crawlers fully extended and roller path level within a tolerance of 1/4" in 10' and properly supported. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to Tower Rigging No. 50602, Jib Assembly No. 43348, Chart No. 6662-A for recommended procedure for operating under various wind conditions and Chart No. 6485-A for tower and boom raising procedure.

Operating radius is the horizontal distance from the axis of rotation to the center of vertical hoist line or load block. Boom

angle is the angle between horizontal and centerline of the boom butt and inserts and is an indication of operating radius. In all cases, operating radius shall govern capacity.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib point sheaves, is considered part of the jib load. Boom and jib are not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved. Maximum capacity on 1" — 6 x 25 IPS, IWRC is 20,000 lbs.

All machines with towers over 163 ft. require outside assist in raising tower and boom. Jib to be attached with tower in vertical position and with boom in a position which will allow jib to be attached.

30 FOOT JIB		
Jib Point Radius Feet	Boom Angle Degree	Capacity
60	73.6	20,000
65	71.9	20,000
70	70.3	20,000
75	68.7	20,000
80	67.1	20,000
85	65.4	20,000
90	63.8	19,500
95	62.1	18,700
100	60.4	18,000
105	58.6	17,300
110	56.8	16,700
115	55.0	16,000
120	53.2	15,500
125	51.2	14,900
130	49.3	14,400
135	47.2	13,900
140	45.2	13,500
145	43.0	13,100
150	40.7	12,700
155	38.3	12,000
160	35.8	11,400
165	33.2	10,800
170	30.3	10,300
175	27.1	9,700
180	23.5	9,200
185	19.4	8,800
190	14.0	8,300

40 FOOT JIB		
Jib Point Radius Feet	Boom Angle Degree	Capacity
65	73.0	14,000
70	71.5	14,000
75	70.0	14,000
80	68.4	14,000
85	66.9	14,000
90	65.3	14,000
95	63.7	14,000
100	62.1	14,000
105	60.5	14,000
110	58.8	14,000
115	57.1	14,000
120	55.4	14,000
125	53.7	13,600
130	51.8	13,100
135	50.0	12,700
140	48.1	12,300
145	46.1	11,900
150	44.1	11,500
155	42.0	11,100
160	39.8	10,800
165	37.5	10,500
170	35.0	10,200
175	32.4	9,900
180	29.6	9,400
185	26.5	9,000
190	23.1	8,500
195	19.0	8,100
200	13.8	7,700

50 FOOT JIB		
Jib Point Radius Feet	Boom Angle Degree	Capacity
65	73.7	10,000
70	72.3	10,000
75	70.9	10,000
80	69.4	10,000
85	67.9	10,000
90	66.5	10,000
95	65.0	10,000
100	63.5	10,000
105	61.9	10,000
110	60.4	10,000
115	58.8	10,000
120	57.2	10,000
125	55.6	10,000
130	53.9	10,000
135	52.2	10,000
140	50.4	10,000
145	48.6	10,000
150	46.8	10,000
155	44.9	10,000
160	42.9	9,900
165	40.8	9,600
170	38.7	9,400
175	36.5	9,100
180	34.1	8,800
185	31.5	8,600
190	28.8	8,400
195	25.8	8,200
200	22.4	7,800
205	18.5	7,400
210	13.4	7,100

60 FOOT JIB		
Jib Point Radius Feet	Boom Angle Degree	Capacity
70	72.7	5,000
75	71.4	5,000
80	70.0	5,000
85	68.6	5,000
90	67.2	5,000
95	65.8	5,000
100	64.4	5,000
105	62.9	5,000
110	61.5	5,000
115	60.0	5,000
120	58.5	5,000
125	56.9	5,000
130	55.4	5,000
135	53.8	5,000
140	52.2	5,000
145	50.5	5,000
150	48.8	5,000
155	47.1	5,000
160	45.2	5,000
165	43.4	5,000
170	41.5	5,000
175	39.5	5,000
180	37.4	5,000
185	35.2	5,000
190	32.9	5,000
195	30.4	5,000
200	27.7	5,000
205	24.8	5,000
210	21.5	5,000
215	17.7	5,000
220	12.7	5,000