



# TOWER CRANE JIB LIFTING CAPACITIES 4100W

## 4100W SERIES-1

**123' TO 253' NO. 22A TOWER WITH 110' NO. 23 BOOM AND  
NO. 124 JIB EXTENSION — 18' JIB STRUT  
26'6" CRAWLERS — EXTENDED  
122,400 LB. COUNTERWEIGHT**

**CAUTION OUTSIDE  
ASSIST REQUIRED**

**0 DEGREE JIB OFFSET ANGLE**

Chart supplements Tower Capacity Chart No. 6193-A, No. 6193-B or No. 6193-C. 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.** Capacities are shown in pounds.

Machine to operate on a firm surface with crawlers fully extended and roller path level within a tolerance of 1/4" in 10 ft. 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. 50805, Jib Assembly No. 43348, Chart No. 5527 for recommended procedure for operating under various wind conditions and Chart No. 5393 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 183 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: Deg.	Capacity:
45	73.9	20,000
50	71.8	20,000
55	69.6	20,000
60	67.4	20,000
65	65.2	20,000
70	62.9	20,000
75	60.6	20,000
80	58.3	20,000
85	55.8	20,000
90	53.3	20,000
95	50.7	20,000
100	48.0	20,000
105	45.2	20,000
110	42.2	20,000
115	39.1	20,000
120	35.7	19,500
125	32.0	18,900
130	27.8	18,300
135	23.0	17,700

40 FOOT JIB		
Jib Point Radius Feet	Boom Angle: Deg.	Capacity:
50	73.3	14,000
55	71.3	14,000
60	69.2	14,000
65	67.2	14,000
70	65.1	14,000
75	63.0	14,000
80	60.8	14,000
85	58.6	14,000
90	56.3	14,000
95	54.0	14,000
100	51.6	14,000
105	49.1	14,000
110	46.5	14,000
115	43.8	14,000
120	40.9	14,000
125	37.9	14,000
130	34.6	14,000
135	31.1	14,000
140	27.1	14,000
145	22.4	14,000

50 FOOT JIB		
Jib Point Radius Feet	Boom Angle: Deg.	Capacity:
55	72.3	10,000
60	70.4	10,000
65	68.5	10,000
70	66.6	10,000
75	64.6	10,000
80	62.6	10,000
85	60.6	10,000
90	58.5	10,000
95	56.4	10,000
100	54.2	10,000
105	52.0	10,000
110	49.7	10,000
115	47.3	10,000
120	44.8	10,000
125	42.2	10,000
130	39.4	10,000
135	36.5	10,000
140	33.4	10,000
145	29.9	10,000
150	26.1	10,000
155	21.6	10,000

60 FOOT JIB		
Jib Point Radius Feet	Boom Angle: Deg.	Capacity:
55	72.9	5,000
60	71.2	5,000
65	69.4	5,000
70	67.6	5,000
75	65.8	5,000
80	63.9	5,000
85	62.0	5,000
90	60.1	5,000
95	58.2	5,000
100	56.2	5,000
105	54.1	5,000
110	52.0	5,000
115	49.9	5,000
120	47.6	5,000
125	45.3	5,000
130	42.9	5,000
135	40.4	5,000
140	37.7	5,000
145	34.9	5,000
150	31.9	5,000
155	28.5	5,000
160	24.8	5,000
165	20.4	5,000