



TOWER CRANE JIB LIFTING CAPACITIES **4100W** **4100W SERIES-1**

**153' TO 253' NO. 22A TOWER WITH 140' 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:
55	73.3	20,000
60	71.6	20,000
65	69.8	20,000
70	68.0	20,000
75	66.2	20,000
80	64.3	20,000
85	62.4	20,000
90	60.5	20,000
95	58.6	20,000
100	56.6	20,000
105	54.5	20,000
110	52.4	20,000
115	50.3	19,900
120	48.0	19,200
125	45.7	18,600
130	43.3	18,000
135	40.8	17,500
140	38.1	17,000
145	35.3	16,500
150	32.3	16,100
155	28.9	15,700
160	25.2	15,300
165	20.8	14,900

40 FOOT JIB		
Jib Point Radius Feet	Boom Angle: Deg.	Capacity:
60	72.8	14,000
65	71.1	14,000
70	69.4	14,000
75	67.7	14,000
80	66.0	14,000
85	64.3	14,000
90	62.5	14,000
95	60.7	14,000
100	58.8	14,000
105	56.9	14,000
110	55.0	14,000
115	53.0	14,000
120	51.0	14,000
125	48.9	14,000
130	46.8	14,000
135	44.5	14,000
140	42.2	14,000
145	39.8	14,000
150	37.2	14,000
155	34.5	13,900
160	31.5	13,500
165	28.3	13,200
170	24.6	12,900
175	20.4	12,600

50 FOOT JIB		
Jib Point Radius Feet	Boom Angle: Deg.	Capacity:
60	73.6	10,000
65	72.0	10,000
70	70.4	10,000
75	68.8	10,000
80	67.2	10,000
85	65.6	10,000
90	63.9	10,000
95	62.2	10,000
100	60.5	10,000
105	58.8	10,000
110	57.0	10,000
115	55.2	10,000
120	53.3	10,000
125	51.4	10,000
130	49.4	10,000
135	47.4	10,000
140	45.3	10,000
145	43.2	10,000
150	40.9	10,000
155	38.5	10,000
160	36.0	10,000
165	33.4	10,000
170	30.5	10,000
175	27.4	10,000
180	23.8	10,000
185	19.7	10,000

60 FOOT JIB		
Jib Point Radius Feet	Boom Angle: Deg.	Capacity:
65	72.6	5,000
70	71.1	5,000
75	69.5	5,000
80	68.0	5,000
85	66.5	5,000
90	64.9	5,000
95	63.3	5,000
100	61.7	5,000
105	60.1	5,000
110	58.4	5,000
115	56.7	5,000
120	55.0	5,000
125	53.3	5,000
130	51.5	5,000
135	49.6	5,000
140	47.7	5,000
145	45.8	5,000
150	43.7	5,000
155	41.6	5,000
160	39.4	5,000
165	37.1	5,000
170	34.7	5,000
175	32.1	5,000
180	29.3	5,000
185	26.3	5,000
190	22.8	5,000
195	18.8	5,000