

MANITOWOC ENGINEERING CO.

A Division of The Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



TOWER CRANE JIB LIFTING CAPACITIES 3900T

174' TO 194' NO. 9A TOWER WITH
150' NO. 18 BOOM AND
NO. 124 JIB WITH 12'6" STRUT

CAUTION: OUTSIDE
ASSIST REQUIRED

SERIES-2
TRUCK CRANE

RATING OVER SIDE OR REAR ON EXTENDED OUTRIGGERS

0 DEGREE JIB OFFSET ANGLE

Chart supplements tower Capacity Chart No. 6769-B. 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 shown by shaded areas.**

Machine to operate on a firm surface with outriggers 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, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to Tower Rigging No. 66015, Jib Assembly No. 43348, Chart No. 6631-A for recommended procedure for operating under various wind conditions and Chart No. 6484 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.

Capacities are shown in pounds. 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. Whip line: 1" — 6 x 25 IPS, IWRC.

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
55	74.0	11,400
60	72.3	11,100
65	70.6	11,000
70	68.9	10,700
75	67.2	10,500
80	65.5	10,400
85	63.7	10,200
90	62.0	10,100
95	60.1	9,200
100	58.3	9,100
105	56.4	8,700
110	54.5	8,400
115	52.5	8,200
120	50.5	8,000
125	48.4	7,700
130	46.2	7,400
135	44.0	7,300
140	41.7	7,000
145	39.2	6,700
150	36.6	6,600
155	33.9	6,400
160	30.9	6,100
165	27.6	5,900
170	24.0	5,700
175	19.7	5,300

40 FOOT JIB		
Jib Point Radius Feet	Boom Angle Degree	Capacity
60	73.4	10,200
65	71.9	10,000
70	70.3	9,900
75	68.7	9,700
80	67.0	9,500
85	65.4	9,300
90	63.7	9,100
95	62.0	8,900
100	60.3	8,200
105	58.6	8,200
110	56.8	7,800
115	55.0	7,600
120	53.1	7,400
125	51.2	7,300
130	49.2	7,000
135	47.2	6,700
140	45.1	6,500
145	42.9	6,400
150	40.7	6,100
155	38.3	5,900
160	35.8	5,800
165	33.1	5,700
170	30.2	5,300
175	27.1	5,300
180	23.5	5,100
185	19.3	4,800

50 FOOT JIB		
Jib Point Radius Feet	Boom Angle Degree	Capacity
65	72.8	8,000
70	71.3	8,000
75	69.8	8,000
80	68.2	8,000
85	66.7	8,000
90	65.1	8,000
95	63.5	8,000
100	61.9	8,000
105	60.3	7,600
110	58.6	7,500
115	56.9	7,200
120	55.2	7,200
125	53.4	6,800
130	51.6	6,600
135	49.8	6,400
140	47.9	6,300
145	45.9	6,100
150	43.9	5,900
155	41.8	5,800
160	39.6	5,600
165	37.3	5,400
170	34.8	5,400
175	32.2	5,100
180	29.4	5,000
185	26.3	4,900
190	22.9	4,700
195	18.8	4,300

60 FOOT JIB		
Jib Point Radius Feet	Boom Angle Degree	Capacity
65	73.4	4,000
70	72.0	4,000
75	70.5	4,000
80	69.1	4,000
85	67.6	4,000
90	66.1	4,000
95	64.7	4,000
100	63.1	4,000
105	61.6	4,000
110	60.1	4,000
115	58.5	4,000
120	56.9	4,000
125	55.2	4,000
130	53.6	4,000
135	51.8	4,000
140	50.1	4,000
145	48.3	4,000
150	46.4	4,000
155	44.5	4,000
160	42.6	4,000
165	40.5	4,000
170	38.4	4,000
175	36.1	4,000
180	33.7	4,000
185	31.2	4,000
190	28.5	4,000
195	25.5	4,000
200	22.1	4,000
205	18.1	4,000