TOWER CRANE JIB LIFTING CAPACITIES — 3900W SERIES-2

164′ NO. 9A TOWER
150′ NO. 18 BOOM AND
NO. 124 JIB WITH 12′6″ STRUT
24′ CRAWLERS EXTENDED

CAUTION: OUTSIDE ASSIST REQUIRED

Chart supplements tower Capacity Chart No. 6753-A. Capacities for various 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 crawlers fully extended and roller path level within a tolerance of 3/8″ 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. 66096, Jib Assembly No. 43348, Chart No. 6633-A for recommended procedure for operating under various wind conditions and Chart No. 6473 for tower and boom raising procedure.

0 DEGREE JIB OFFSET ANGLE

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
60	72.4	12,800
65	70.8	12,600
70	69.1	12,300
75	67.4	12,100
80	65.6	12,000
85	63.9	11,600
90	62.1	11,400
95	60.3	10,700
100	58.4	10,500
105	56.6	10,200
110	54.6	9,800
115	52.7	9,500
120	50.6	9,100
125	48.6	8,800
130	46.4	8,600
135	44.2	8,300
140	41.8	8,000
145	39.4	7,700
150	36.8	7,500
155	34.1	7,200
160	31.1	7,000
165	27.9	6,500
170	24.3	6,100
175	20.0	5,700

40 FOOT JIB

Jib Point Radius Feet	Boom Angle Degree	Capacity
60	73.6	11,000
65	72.0	11,000
70	70.4	11,000
75	68.8	11,000
80	67.2	10,800
85	65.5	10,600
90	63.9	10,500
95	62.2	10,200
100	60.5	9,500
105	58.7	9,200
110	56.9	8,900
115	55.1	8,700
120	53.2	8,400
125	51.3	8,200
130	49.4	8,000
135	47.4	7,700
140	45.3	7,400
145	43.1	7,300
150	40.9	7,100
155	38.5	6,800
160	36.0	6,600
165	33.3	6,400
170	30.5	6,200
175	27.3	5,800
180	23.8	5,400
185	19.7	5,100

50 FOOT JIB

Jib Point Radius Feet	Boom Angle Degree	Capacity
65	72.9	8,000
70	71.4	8,000
75	69.9	8,000
80	68.3	8,000
85	66.8	8,000
90	65.2	8,000
95	63.6	8,000
100	62.0	8,000
105	60.4	8,000
110	58.7	8,000
115	57.1	8,000
120	55.3	8,000
125	53.6	7,700
130	51.8	7,500
135	49.9	7,300
140	48.0	7,200
145	46.1	7,000
150	44.0	6,800
155	41.9	6,600
160	39.8	6,400
165	37.5	6,200
170	35.0	6,100
175	32.4	5,700
180	29.6	5,400
185	26.6	5,000
190	23.1	4,700
195	19.1	4,300

60 FOOT JIB

Jib Point Radius Feet	Boom Angle Degree	Capacity
65	73.5	4,000
70	72.1	4,000
75	70.6	4,000
80	69.2	4,000
85	67.7	4,000
90	66.3	4,000
95	64.8	4,000
100	63.3	4,000
105	61.7	4,000
110	60.2	4,000
115	58.6	4,000
120	57.0	4,000
125	55.3	4,000
130	53.7	4,000
135	52.0	4,000
140	50.2	4,000
145	48.4	4,000
150	46.6	4,000
155	44.7	4,000
160	42.7	4,000
165	40.7	4,000
170	38.5	4,000
175	36.3	4,000
180	33.9	4,000
185	31.4	4,000
190	28.7	4,000
195	25.7	4,000
200	22.4	4,000
205	18.5	4,000

