

TOWER CRANE JIB LIFTING CAPACITIES 4600

214' TO 254' NO. 27B TOWER WITH
200' NO. 22B BOOM AND
NO. 123 JIB WITH 12'6" STRUT

CAUTION OUTSIDE
ASSIST REQUIRED

SERIES-4

0 DEGREE JIB OFFSET ANGLE

Chart supplements Tower Capacity Chart No. 6901-F or No. 6901-G. 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 SHOWN BY SHADED AREAS ARE BASED ON STRUCTURAL COMPETENCE.**

Machine to operate on a firm surface with roller path level within a tolerance of 1/2" 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. 65156 and No. 183226, Jib Assembly No. 43730 and Chart No. 7264-A for recommended procedure for operating under various wind conditions.

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. Maximum capacity on 1-1/8" — 6 x 31 EXIPS, IWRC is 32,500 lbs./line.

All machines with towers over 194 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
75	73.1	40,000
80	71.8	40,000
85	70.5	40,000
90	69.2	36,800
95	67.9	36,200
100	66.5	35,900
105	65.2	33,700
110	63.8	31,700
115	62.4	30,700
120	61.0	29,500
125	59.6	28,200
130	58.1	26,900
135	56.6	25,900
140	55.1	25,300
145	53.6	23,500
150	52.0	22,100
155	50.4	21,700
160	48.8	21,300
165	47.1	20,600
170	45.4	18,100
175	43.6	17,800
180	41.8	17,600
185	39.9	16,600
190	37.9	16,300
195	35.8	15,600
200	33.7	14,000
205	31.3	12,900
210	28.8	12,300
215	26.1	11,800
220	23.1	11,300
225	19.7	10,300

40 FOOT JIB		
Jib Point Radius Feet	Boom Angle Degree	Capacity
80	72.8	30,000
85	71.5	30,000
90	70.3	30,000
95	69.0	30,000
100	67.7	30,000
105	66.4	30,000
110	65.1	28,200
115	63.8	26,600
120	62.5	23,700
125	61.1	23,600
130	59.8	23,500
135	58.4	23,400
140	56.9	23,300
145	55.5	23,200
150	54.1	21,900
155	52.6	21,500
160	51.0	21,100
165	49.5	20,400
170	47.9	17,900
175	46.3	17,600
180	44.6	17,400
185	42.9	16,400
190	41.1	16,100
195	39.2	15,400
200	37.3	13,900
205	35.2	12,800
210	33.1	12,200
215	30.8	11,700
220	28.4	11,200
225	25.7	10,200
230	22.8	10,200
235	19.4	10,200

50 FOOT JIB		
Jib Point Radius Feet	Boom Angle Degree	Capacity
80	73.5	20,000
85	72.3	20,000
90	71.1	20,000
95	69.9	20,000
100	68.7	20,000
105	67.4	20,000
110	66.2	20,000
115	64.9	20,000
120	63.7	20,000
125	62.4	20,000
130	61.1	20,000
135	59.8	20,000
140	58.4	20,000
145	57.1	20,000
150	55.7	20,000
155	54.3	20,000
160	52.9	19,700
165	51.4	18,500
170	49.9	17,700
175	48.4	17,400
180	46.9	17,200
185	45.3	16,200
190	43.6	15,900
195	42.0	15,200
200	40.2	13,700
205	38.4	12,600
210	36.5	12,000
215	34.5	11,600
220	32.4	11,000
225	30.2	10,100
230	27.8	10,100
235	25.2	10,100
240	22.3	10,100
245	19.0	10,000

60 FOOT JIB		
Jib Point Radius Feet	Boom Angle Degree	Capacity
80	74.0	10,000
85	72.8	10,000
90	71.7	10,000
95	70.5	10,000
100	69.4	10,000
105	68.2	10,000
110	67.0	10,000
115	65.8	10,000
120	64.6	10,000
125	63.4	10,000
130	62.1	10,000
135	60.9	10,000
140	59.6	10,000
145	58.3	10,000
150	57.0	10,000
155	55.7	10,000
160	54.4	10,000
165	53.0	10,000
170	51.6	10,000
175	50.2	10,000
180	48.8	10,000
185	47.3	10,000
190	45.8	10,000
195	44.2	10,000
200	42.6	10,000
205	40.9	10,000
210	39.2	10,000
215	37.5	10,000
220	35.6	10,000
225	33.7	10,000
230	31.6	10,000
235	29.4	10,000
240	27.1	10,000
245	24.6	9,900
250	21.7	9,400
255	18.5	9,000