

# LIFTING CAPACITIES

# 4000W

## DRAGLINE – REVOLVING FAIRLEAD – BOOM NO. 22 – 75,900 LB. COUNTERWEIGHT

Capacities may be based on per cent of tipping, strength of structural components, operating speeds and other factors. However, capacities listed below do not exceed 75% of a static load required to tip machine with boom across crawlers on firm, level ground.

Weight of bucket is considered part of the load. Deduct 600 lbs. from capacities below if lower boom point sheaves are not removed. For boom lengths through 80', the full revolving fairlead may be used without an overwind. However, for 90' and 100' boom lengths, an overwind

may occur causing excessive wire rope wear. For continuous dragline service with boom lengths in excess of 80', the extended hinged fairlead is recommended.

Machine to be equipped with 24'0" extendible width crawlers, 48" treads, 15' retractable gantry, 12 part boom hoist rigging, 4 – 1-3/8" boom pendants, 75,900 lbs. counterweight.

Boom angle figured with rope over upper boom point sheave.

### CRAWLERS EXTENDED

Operating Radius Ft.	Boom Length – Ft.							
	70		80		90		100	
	Boom Angle	Capacity	Boom Angle	Capacity	Boom Angle	Capacity	Boom Angle	Capacity
55	47.1	20,000	53.2	20,000				
60	41.5	20,000	48.8	20,000	53.9	20,000		
65	35.3	20,000	44.0	20,000	50.0	20,000	54.5	20,000
70	27.8	20,000	38.9	20,000	45.9	20,000	51.1	20,000
75			33.0	20,000	41.5	20,000	47.4	20,000
80			26.1	20,000	36.7	20,000	43.5	20,000
85					31.2	20,000	39.4	20,000
90							34.8	20,000
95							29.6	18,800

### CRAWLERS RETRACTED

Operating Radius Ft.	Boom Length – Ft.							
	70		80		90		100	
	Boom Angle	Capacity	Boom Angle	Capacity	Boom Angle	Capacity	Boom Angle	Capacity
55	47.1	20,000	53.2	20,000				
60	41.5	20,000	48.8	20,000	53.9	20,000		
65	35.3	20,000	44.0	20,000	50.0	20,000	54.5	20,000
70	27.8	20,000	38.9	20,000	45.9	20,000	51.1	20,000
75			33.0	20,000	41.5	20,000	47.4	20,000
80			26.1	20,000	36.7	20,000	43.5	20,000
85					31.2	19,600	39.4	19,000
90							34.8	17,300
95							29.6	15,800

# CLAMSHELL CAPACITIES 4000W VICON

## BOOM NO. 22 WITH OPEN THROAT TOP 75,900 LB. COUNTERWEIGHT

**LIFTING CAPACITIES:** Capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 67.5% of a static tipping load. Capacities are based on tipping, structural competence, operating speeds and other factors. Capacities based on structural competence are shown by shaded areas.

Capacities are shown in pounds. Weight of bucket is considered part of the load. Where no capacity is shown, operation is not intended or approved.

**OPERATING CONDITIONS:** Machine is to be operated by controlled converter lowering of the load for capacities above 20,000 lb.

Machine to operate in a level position on a firm surface with gantry up. Refer to rigging drawing No. 48168 and wire rope specification chart No. 5342. Crane operator judgment must be used to allow for adverse operating conditions and physical machine depreciation.

**OPERATING RADIUS:** Operating radius is the horizontal distance from the axis of rotation to the center of gravity of the freely suspended load. Boom angle is the angle above true horizontal of a line drawn through the boom hinge pin and the upper boom point shaft centerline.

**MACHINE EQUIPMENT:** Machine equipped with 24' extendible crawlers, 48" treads, 15' retractable gantry, 12 part boom hoist reeving, four 1 3/8" boom pendants, 1st cwt. 40,100 lb., 2nd cwt. 35,800 lb.

Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
<b>70</b>	34	66.9	28,000	28,000
	36	65.2	28,000	28,000
	38	63.4	28,000	28,000
	40	61.7	28,000	28,000
	45	57.2	28,000	28,000
	50	52.4	28,000	28,000
	55	47.3	28,000	28,000
	60	41.8	28,000	28,000
	65	35.6	28,000	28,000
	70	28.2	25,400	28,000
<b>80</b>	38	66.8	28,000	28,000
	40	65.3	28,000	28,000
	45	61.5	28,000	28,000
	50	57.5	28,000	28,000
	55	53.4	28,000	28,000
	60	49.0	28,000	28,000
	65	44.2	27,700	28,000
	70	39.1	24,800	28,000
75	33.3	22,300	26,100	
80	26.4	20,200	23,700	
<b>90</b>	40	68.1	28,000	28,000
	45	64.8	28,000	28,000
	50	61.3	28,000	28,000
	55	57.8	28,000	28,000
	60	54.1	28,000	28,000
	65	50.2	27,200	28,000
	70	46.1	24,300	28,000
	75	41.7	21,900	25,700
	80	36.9	19,700	23,200
	85	31.4	17,900	21,100
90	25.0	16,200	19,200	

Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
<b>100</b>	45	67.3	28,000	28,000
	50	64.3	28,000	28,000
	55	61.2	28,000	28,000
	60	58.0	28,000	28,000
	65	54.7	26,600	28,000
	70	51.2	23,700	27,900
	75	47.6	21,200	25,000
	80	43.7	19,100	22,600
	85	39.6	17,200	20,500
	90	35.0	15,600	18,600
<b>110</b>	95	29.8	14,100	16,900
	100	23.7	12,800	15,500
	50	66.7	28,000	28,000
	55	63.9	28,000	28,000
	60	61.1	28,000	28,000
	65	58.2	26,200	28,000
	70	55.2	23,300	27,500
	75	52.0	20,800	24,600
	80	48.8	18,600	22,200
	85	45.3	16,800	20,000
<b>120</b>	90	41.7	15,100	18,200
	95	37.7	13,700	16,500
	100	33.4	12,400	15,000
	105	28.5	11,200	13,700
	55	66.2	28,000	28,000
	60	63.6	28,000	28,000
	65	61.0	25,600	28,000
	70	58.3	22,700	26,900
	75	55.6	20,200	24,100
	80	52.7	18,100	21,600
<b>115</b>	85	49.7	16,200	19,500
	90	46.6	14,500	17,600
	95	43.3	13,100	15,900
	100	39.9	11,800	14,500
	105	36.1	10,600	13,100
	110	32.0	9,600	11,900
	115	27.3	8,600	10,600

# DRAGLINE CAPACITIES

# 4000W

**BOOM NO. 22 WITH OPEN THROAT TOP  
HINGED TYPE FAIRLEAD  
75,900 LB. COUNTERWEIGHT**

## CRAWLER

Capacities may be based on per cent of tipping, strength of structural components, operating speeds and other factors. However, capacities listed below do not exceed **75%** of a static load required to tip machine with boom across crawlers on firm, level ground.

Boom angle figured with rope over upper boom point sheave.

Machine to be equipped with 24'0" extendible width crawlers, 48" treads, 15' retractable gantry, 12 part boom hoist rigging, 4 - 1-3/8" boom pendants, 75,900 lb. counterweight.

Weight of bucket is considered part of the load. Deduct 600 lbs. from capacities marked with (\*) if lower boom point sheaves are not removed.

**CAUTION: FAIRLEAD EXTENSION LIMITS ALL LIFT CAPACITIES AT SHORTER RADII TO 20,000 LBS.**

### CRAWLERS EXTENDED

CAPACITIES IN LBS.								
Boom Length - Ft.								
Operating Radius Ft.	70		80		90		100	
	Boom Angle	Capacity	Boom Angle	Capacity	Boom Angle	Capacity	Boom Angle	Capacity
55	50.3	20,000	55.8	20,000	59.8	20,000	63.0	20,000
60	45.0	20,000	51.5	20,000	56.2	20,000	59.8	20,000
65	39.2	20,000	47.0	20,000	52.4	20,000	56.6	20,000
70	32.6	20,000	42.1	20,000	48.5	20,000	53.2	20,000
75			36.7	20,000	44.3	20,000	49.7	20,000
80			30.5	20,000	39.7	20,000	46.0	20,000
85					34.6	20,000	42.0	20,000
90							37.6	20,000 *
95							32.9	18,500 *

### CRAWLERS RETRACTED

CAPACITIES IN LBS.								
Boom Length - Ft.								
Operating Radius Ft.	70		80		90		100	
	Boom Angle	Capacity	Boom Angle	Capacity	Boom Angle	Capacity	Boom Angle	Capacity
55	50.3	20,000	55.8	20,000	59.8	20,000	63.0	20,000
60	45.0	20,000	51.5	20,000	56.2	20,000	59.8	20,000
65	39.2	20,000	47.0	20,000	52.4	20,000	56.6	20,000
70	32.6	20,000	42.1	20,000	48.5	20,000	53.2	20,000
75			36.7	20,000	44.3	20,000	49.7	20,000
80			30.5	20,000	39.7	20,000	46.0	20,000
85					34.6	19,300 *	42.0	18,600 *
90							37.6	16,900 *
95							32.9	15,400 *

# LIFTCRANE CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

# 4000W CRAWLER

## BOOM NO. 22 WITH LIGHT TAPERED TOP 24'0" CRAWLERS — 104,400 LB. COUNTERWEIGHT

**LIFTING CAPACITIES:** Capacities for various boom lengths and operating radii may be based on per cent of tipping, strength of structural components, operating speeds and other factors.

Capacities are for freely suspended loads and do not exceed **75%** of static tipping loads. Capacities based on structural competence are shown by shaded areas.

Capacities are shown in pounds. Weight of jib, (see chart A), all load blocks, hooks, weight ball, slings, hoist lines beneath boom and jib point sheaves, etc., is considered part of the main boom load. Boom is 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.

**OPERATING CONDITIONS:** Machine to operate in level position on a firm surface with gantry in working position and under conditions referred to in rigging drawing No. 50983 and load line specification chart No. 6434.

Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, as well as adverse operating conditions & physical machine depreciation.

**OPERATING RADIUS:** Operating radius is the horizontal distance from the axis of rotation to the center of vertical hoist line or load block with the load freely suspended. Add 14" to boom point radius for radius of sheave when using single part hoist line.

Boom angle is the angle between horizontal and centerline of boom butt and inserts and is an indication of operating radius. In all cases, operating radius shall govern capacity.

**BOOM POINT ELEVATION:** Boom point elevation, in feet, is the vertical distance from ground level to centerline of boom point shaft.

**MACHINE EQUIPMENT:** Machine equipped with 24'0" extendible crawlers, 48" treads, 15' retractable gantry, 12 part boom hoist reeving, four 1 3/8" boom pendants, 1st Ctw. 40,100

lbs., 2nd Ctw. 35,800 lbs., 3rd Ctw. 28,500 lbs. Total counterweight 104,400 pounds.

HOIST REEVING FOR MAIN LOAD BLOCK						
No. Parts of Line	1	2	3	4	5	6
Max. Load — Lbs.	32,500	64,000	95,500	126,200	157,000	186,800
No. Parts of Line	7					
Max. Load — Lbs.	215,500					

LOAD AND WHIP LINE SPECIFICATIONS	
LOAD LINE: 1 1/8" — 6x31 Warrington-Seale, Extra Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 65 Ton. Approx. Weight Per Ft. in lbs. 2.34.	
WHIP LINE: 1 1/8" — 6x25 Filler Wire, Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 56.5 Ton. Maximum Load — 28,300 lbs. Per Line. Approx. Weight Per Ft. in lbs. 2.34.	

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED			
OVER FRONT OF BLOCKED CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS	
Boom Length	Jib No. 123	Boom Length	Jib No. 123
240'	—	220'	—
230'	—	210'	—
220'	40'	200'	50'
210'	60'	190'	60'
OVER SIDE OF RETRACTED CRAWLERS		(A) DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED	
Boom Length	Jib No. 123	Jib Length	Jib No. 123
210'	—	30'	2,500 Lb.
200'	—	40'	3,100 Lb.
190'	40'	50'	3,700 Lb.
180'	60'	60'	4,400 Lb.

Load block, hook and weight ball on ground at start.

For jib capacities, consult jib chart.

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
22	80.4	115.6	178,300	215,500	
24	79.3	115.2	155,700	186,200	
26	78.3	114.8	138,000	163,600	
28	77.2	114.4	123,800	145,800	
30	76.1	113.9	112,100	131,400	
32	75.1	113.4	102,400	119,400	
34	74.0	112.8	94,100	109,400	
36	72.9	112.2	87,000	100,800	
38	71.8	111.6	80,800	93,400	
40	70.7	110.9	75,400	87,000	
45	67.9	109.0	64,300	74,000	
50	65.1	106.9	55,900	64,100	
55	62.2	104.4	49,300	56,400	
60	59.2	101.6	43,900	50,200	
65	56.1	98.4	39,500	45,100	
70	52.9	94.9	35,700	40,900	
75	49.6	90.8	32,600	37,200	
80	46.1	86.3	29,800	34,100	
85	42.3	81.2	27,500	31,400	
90	38.3	75.3	25,400	29,000	
95	33.9	68.4	23,500	27,000	
100	28.9	60.2	21,900	25,100	
105	22.9	49.9	20,400	23,400	
24	80.2	125.4	155,200	185,800	
26	79.3	125.0	137,500	163,300	
28	78.3	124.6	123,300	145,400	
30	77.3	124.2	111,600	130,900	
32	76.3	123.7	101,800	119,000	
34	75.4	123.2	93,500	108,900	
36	74.4	122.7	86,400	100,300	
38	73.4	122.1	80,200	92,900	
40	72.4	121.5	74,800	86,400	
45	69.9	119.8	63,800	73,400	
50	67.3	117.8	55,300	63,600	
55	64.7	115.6	48,700	55,800	
60	62.0	113.1	43,300	49,600	
65	59.3	110.2	38,800	44,500	
70	56.4	107.1	35,100	40,200	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
75	53.5	103.6	31,900	36,600	
80	50.5	99.7	29,200	33,500	
85	47.3	95.3	26,800	30,800	
90	44.0	90.5	24,700	28,400	
95	40.4	84.9	22,900	26,300	
100	36.6	78.7	21,200	24,500	
105	32.4	71.4	19,700	22,800	
110	27.6	62.7	18,400	21,300	
115	21.9	51.9	17,200	19,900	
26	80.1	135.2	137,100	162,900	
28	79.2	134.8	122,800	145,000	
30	78.3	134.4	111,100	130,500	
32	77.4	134.0	101,400	118,500	
34	76.5	133.5	93,100	108,500	
36	75.6	133.0	85,900	99,900	
38	74.7	132.5	79,700	92,400	
40	73.8	131.9	74,300	86,000	
45	71.5	130.4	63,300	72,900	
50	69.1	128.6	54,800	63,100	
55	66.7	126.5	48,200	55,300	
60	64.3	124.3	42,800	49,100	
65	61.8	121.7	38,300	44,000	
70	59.3	118.9	34,600	39,700	
75	56.7	115.8	31,400	36,100	
80	54.0	112.3	28,700	33,000	
85	51.3	108.5	26,300	30,300	
90	48.4	104.3	24,200	27,900	
95	45.4	99.6	22,300	25,800	
100	42.2	94.4	20,700	23,900	
105	38.8	88.5	19,200	22,200	
110	35.1	81.9	17,800	20,700	
115	31.1	74.2	16,600	19,400	
120	26.5	65.1	15,500	18,100	
125	21.0	53.8	14,500	17,000	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
28	80.0	145.0	122,400	144,600	
30	79.2	144.6	110,600	130,100	
32	78.3	144.2	100,800	118,100	
34	77.5	143.8	92,500	108,000	
36	76.6	143.3	85,400	99,400	
38	75.8	142.8	79,200	91,900	
40	75.0	142.3	73,700	85,500	
45	72.8	140.9	62,700	72,400	
50	70.7	139.2	54,200	62,500	
55	68.5	137.4	47,600	54,800	
60	66.3	135.3	42,200	48,500	
65	64.0	133.0	37,700	43,400	
70	61.7	130.4	34,000	39,100	
75	59.4	127.6	30,800	35,500	
80	57.0	124.5	28,100	32,400	
85	54.5	121.1	25,700	29,700	
90	51.9	117.3	23,600	27,300	
95	49.3	113.2	21,700	25,200	
100	46.5	108.7	20,000	23,300	
105	43.6	103.7	18,600	21,600	
110	40.6	98.2	17,200	20,100	
115	37.3	92.0	16,000	18,800	
120	33.8	85.0	14,900	17,500	
125	29.9	76.9	13,900	16,400	
130	25.5	67.4	12,900	15,300	
135	20.3	55.6	12,100	14,400	

Capacities continued on reverse side.

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
28	80.7	155.1	122,000	144,200	
30	79.9	154.8	110,200	129,700	
32	79.1	154.4	100,400	117,700	
34	78.3	154.0	92,100	107,600	
36	77.6	153.6	85,000	99,000	
38	76.8	153.1	78,800	91,500	
40	76.0	152.6	73,300	85,100	
45	74.0	151.3	62,300	72,000	
50	72.0	149.8	53,800	62,100	
55	70.0	148.0	47,200	54,400	
60	67.9	146.1	41,800	48,100	
65	65.9	144.0	37,300	43,000	
70	63.8	141.6	33,600	38,700	
75	61.6	139.1	30,400	35,100	
80	59.4	136.2	27,600	32,000	
85	57.2	133.1	25,200	29,200	
90	54.9	129.8	23,100	26,900	
95	52.5	126.1	21,300	24,800	
100	50.0	122.1	19,600	22,900	
105	47.5	117.7	18,100	21,200	
110	44.9	112.9	16,800	19,700	
115	42.1	107.6	15,500	18,300	
120	39.1	101.8	14,400	17,100	
125	36.0	95.3	13,400	15,900	
130	32.6	88.0	12,500	14,900	
135	28.9	79.6	11,600	13,900	
140	24.6	69.7	10,800	13,000	
145	19.6	57.4	10,100	12,200	
30	80.5	164.9	109,700	129,300	
32	79.8	164.6	99,900	117,200	
34	79.1	164.2	91,600	107,100	
36	78.3	163.8	84,400	98,500	
38	77.6	163.4	78,200	91,000	
40	76.9	162.9	72,800	84,600	
45	75.0	161.7	61,700	71,500	
50	73.2	160.2	53,200	61,600	
55	71.3	158.6	46,600	53,800	
60	69.4	156.9	41,200	47,600	
65	67.5	154.9	36,700	42,400	
70	65.5	152.7	33,000	38,100	
75	63.5	150.3	29,800	34,500	
80	61.5	147.7	27,000	31,400	
85	59.4	144.9	24,600	28,600	
90	57.3	141.8	22,500	26,300	
95	55.2	138.5	20,700	24,200	
100	53.0	134.9	19,000	22,300	
105	50.7	130.9	17,500	20,600	
110	48.3	126.7	16,200	19,100	
115	45.9	122.0	14,900	17,700	
120	43.4	117.0	13,800	16,500	
125	40.7	111.4	12,800	15,300	
130	37.9	105.3	11,900	14,300	
135	34.8	98.5	11,000	13,300	
140	31.6	90.8	10,200	12,400	
145	28.0	82.1	9,500	11,600	
150	23.9	71.8	8,800	10,800	
155	18.9	59.0	8,100	10,100	
32	80.4	174.7	99,700	117,000	
34	79.7	174.4	91,400	106,900	
36	79.0	174.0	84,200	98,300	
38	78.3	173.6	78,000	90,800	
40	77.7	173.2	72,500	84,300	
45	75.9	172.0	61,500	71,200	
50	74.2	170.7	53,000	61,300	
55	72.4	169.2	46,300	53,600	
60	70.6	167.5	40,900	47,300	
65	68.9	165.7	36,500	42,200	
70	67.0	163.6	32,700	37,900	
75	65.2	161.4	29,500	34,300	
80	63.3	159.0	26,800	31,100	
85	61.4	156.4	24,400	28,400	
90	59.5	153.6	22,300	26,000	
95	57.5	150.5	20,400	23,900	
100	55.5	147.2	18,800	22,000	
105	53.4	143.6	17,300	20,400	
110	51.3	139.7	15,900	18,800	
115	49.1	135.6	14,700	17,500	
120	46.8	131.1	13,600	16,200	
125	44.5	126.2	12,600	15,100	
130	42.0	120.9	11,600	14,000	
135	39.4	115.0	10,800	13,100	
140	36.7	108.7	10,000	12,200	
145	33.8	101.6	9,200	11,400	
150	30.6	93.6	8,600	10,600	
155	27.1	84.6	7,900	9,900	
160	23.1	73.9	7,300	9,200	
165	18.4	60.7	6,800	8,600	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
34	80.3	184.5	90,900	106,400	
36	79.7	184.2	83,700	97,800	
38	79.0	183.8	77,500	90,300	
40	78.4	183.4	72,000	83,800	
45	76.7	182.3	60,900	70,700	
50	75.1	181.0	52,500	60,800	
55	73.4	179.6	45,800	53,000	
60	71.8	178.1	40,400	46,800	
65	70.1	176.3	35,900	41,700	
70	68.4	174.4	32,200	37,400	
75	66.7	172.4	29,000	33,700	
80	64.9	170.1	26,200	30,600	
85	63.1	167.7	23,800	27,800	
90	61.3	165.0	21,700	25,500	
95	59.5	162.2	19,800	23,300	
100	57.6	159.2	18,200	21,500	
105	55.7	155.9	16,700	19,800	
110	53.8	152.3	15,300	18,300	
115	51.8	148.5	14,100	16,900	
120	49.7	144.5	13,000	15,600	
125	47.6	140.1	12,000	14,500	
130	45.4	135.3	11,000	13,400	
135	43.1	130.2	10,200	12,500	
140	40.8	124.6	9,400	11,600	
145	38.3	118.6	8,600	10,800	
150	35.6	111.9	8,000	10,000	
155	32.8	104.6	7,300	9,300	
160	29.7	96.3	6,700	8,600	
165	26.3	86.9	6,200	8,000	
170	22.5	75.9	5,600	7,400	
175	17.9	62.3	5,100	6,800	
36	80.2	194.3	83,300	97,400	
38	79.6	194.0	77,100	89,900	
40	79.0	193.6	71,600	83,400	
45	77.4	192.6	60,500	70,300	
50	75.9	191.4	52,000	60,400	
55	74.3	190.0	45,300	52,600	
60	72.8	188.6	39,900	46,400	
65	71.2	186.9	35,500	41,200	
70	69.6	185.1	31,700	36,900	
75	67.9	183.2	28,500	33,300	
80	66.3	181.1	25,700	30,100	
85	64.7	178.8	23,300	27,400	
90	63.0	176.4	21,200	25,000	
95	61.3	173.7	19,400	22,900	
100	59.5	170.9	17,700	21,000	
105	57.8	167.8	16,200	19,300	
110	56.0	164.6	14,900	17,800	
115	54.1	161.1	13,600	16,400	
120	52.2	157.3	12,500	15,200	
125	50.3	153.3	11,500	14,000	
130	48.3	149.0	10,600	13,000	
135	46.3	144.4	9,700	12,000	
140	44.1	139.4	8,900	11,100	
145	41.9	134.1	8,200	10,300	
150	39.6	128.3	7,500	9,500	
155	37.2	122.0	6,800	8,800	
160	34.6	115.1	6,200	8,100	
165	31.9	107.5	5,700	7,500	
170	28.9	98.9	5,200	6,900	
175	25.6	89.2	4,700	6,400	
180	21.9	77.9	4,200	5,900	
185	17.4	63.8	3,800	5,400	
36	80.7	204.5	82,800	95,500	
38	80.1	204.1	76,500	89,500	
40	79.5	203.8	71,100	82,900	
45	78.1	202.8	60,000	69,800	
50	76.6	201.7	51,500	59,900	
55	75.1	200.4	44,800	52,100	
60	73.6	199.0	39,400	45,800	
65	72.1	197.5	34,900	40,700	
70	70.6	195.8	31,100	36,400	
75	69.1	194.0	27,900	32,700	
80	67.6	192.0	25,200	29,600	
85	66.0	189.8	22,800	26,800	
90	64.4	187.5	20,700	24,400	
95	62.8	185.0	18,800	22,300	
100	61.2	182.4	17,100	20,400	
105	59.6	179.5	15,600	18,700	
110	57.9	176.5	14,300	17,200	
115	56.2	173.3	13,000	15,900	
120	54.4	169.8	11,900	14,600	
125	52.7	166.1	10,900	13,400	
130	50.8	162.2	10,000	12,400	
135	49.0	157.9	9,100	11,400	
140	47.0	153.4	8,300	10,500	
145	45.0	148.6	7,600	9,700	
150	43.0	143.4	6,900	8,900	
155	40.8	137.9	6,200	8,200	
160	38.6	131.8	5,600	7,600	
165	36.2	125.3	5,100	6,900	
170	33.7	118.2	4,600	6,300	
175	31.1	110.3	4,100	5,800	
180	28.2	101.5	3,700	5,300	
185	25.0	91.5	3,300	4,800	
190	21.3	79.8	3,000	4,300	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
38	80.6	214.3	76,200	89,100	
40	80.0	213.9	70,800	82,600	
45	78.6	213.0	59,600	69,500	
50	77.3	211.9	51,200	59,500	
55	75.9	210.7	44,500	51,800	
60	74.4	209.4	39,000	45,500	
65	73.0	207.9	34,600	40,300	
70	71.6	206.4	30,800	36,000	
75	70.1	204.6	27,600	32,400	
80	68.7	202.7	24,900	29,200	
85	67.2	200.7	22,400	26,500	
90	65.7	198.5	20,300	24,100	
95	64.2	196.2	18,500	22,000	
100	62.7	193.7	16,800	20,100	
105	61.1	191.0	15,300	18,400	
110	59.6	188.2	14,000	16,900	
115	58.0	185.2	12,700	15,500	
120	56.4	181.9	11,600	14,300	
125	54.7	178.5	10,600	13,100	
130	53.0	174.9	9,700	12,100	
135	51.3	171.0	8,800	11,100	
140	49.5	166.8	8,000	10,200	
145	47.7	162.4	7,300	9,400	
150	45.8	157.7	6,600	8,600	
155	43.9	152.7	5,900	7,900	
160	41.9	147.3	5,300	7,200	
165	39.8	141.5	4,800	6,600	
170	37.6	135.3	4,200	6,000	
175	35.3	128.5	3,700	5,500	
180	32.9	121.2	3,300	4,900	
185	30.3	113.0	3,000	4,500	
190	27.5	104.0	2,700	4,000	
40	80.5	224.1	70,200	82,200	
45	79.2	223.2	59,100	69,000	
50	77.8	222.2	50,600	59,000	
55	76.5	221.0	43,900	51,300	
60	75.2	219.8	38,500	45,000	
65	73.8	218.4	34,000	39,800	
70	72.5	216.9	30,300	35,500	
75	71.1	215.2	27,100	31,800	
80	69.7	213.4	24,300	28,700	
85	68.3	211.5	21,900	26,000	
90	66.9	209.5	19,800	23,600	
95	65.5	207.			

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
<b>2 4 0</b>	45	80.1	243.5	58,200	68,100
	50	78.9	242.6	49,700	58,100
	55	77.6	241.6	42,900	50,300
	60	76.4	240.4	37,500	44,000
	65	75.2	239.1	33,000	38,800
	70	74.0	237.8	29,200	34,500
	75	72.7	236.3	26,000	30,800
	80	71.5	234.6	23,300	27,700
	85	70.2	232.9	20,900	25,000
	90	68.9	231.0	18,700	22,500
	95	67.6	229.0	16,900	20,400
	100	66.3	226.9	15,200	18,500
	105	65.0	224.7	13,700	16,800
	110	63.7	222.3	12,300	15,300
	115	62.4	219.7	11,100	13,900
	120	61.0	217.0	10,000	12,700
	125	59.6	214.2	9,000	11,500
	130	58.2	211.2	8,000	10,500
	135	56.8	208.0	7,200	9,500
	140	55.4	204.6	6,400	8,600
145	53.9	201.1	5,600	7,800	
150	52.4	197.3	4,900	7,000	
155	50.9	193.4	4,300	6,300	
160	49.4	189.2		5,600	
165	47.8	184.8		5,000	
170	46.1	180.1		4,400	

# LIFT CRANE CAPACITIES

**BOOM NO. 22 WITH OPEN THROAT TOP  
24'0" CRAWLERS — 104,400 LB. COUNTERWEIGHT**

MEETS  
**ANSI B30.5**  
REQUIREMENTS

**4000W**  
**CRAWLER**

**LIFTING CAPACITIES:** Capacities for various boom 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.

Upper boom point capacity for single part whip line or combination of two single part lines is 28,300 lb. (20,000 lb. when rear auxiliary drum is used). In all cases, upper boom point capacities cannot exceed those listed for the main boom capacity.

Capacities are shown in pounds. Weight of upper boom point, jib, (see chart A), all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib point sheaves, is considered part of the main boom load. Boom is 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.

**OPERATING CONDITIONS:** Machine to operate in a level position on a firm surface with gantry in working position and under conditions referred to in rigging drawing No. 48168 and load line specification chart No. 6664-A.

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.

**OPERATING RADIUS:** Operating radius is the horizontal distance from the axis of rotation to the center of vertical hoist line or load block with the load freely suspended. Add 14" to boom point radius for radius of sheave when using single part hoist line.

Boom angle is the angle between horizontal and centerline of boom butt and inserts and is an indication of operating radius. In all cases, operating radius shall govern capacity.

**BOOM POINT ELEVATION:** Boom point elevation, in feet, is the vertical distance from ground level to centerline of boom point shaft.

**MACHINE EQUIPMENT:** Machine equipped with 24'-0" extendible crawlers, 48" treads, 15' retractable gantry, 12-part boom hoist reeving, four 1 3/8" boom pendants, 1st cwt. 40,100 lbs., (39,000 lb. with cwt. assembly no. 48998) 2nd cwt. 35,800 lbs., 3rd cwt. 28,500 lbs.

HOIST REEVING FOR MAIN LOAD BLOCK						
No. Parts of Line	1	2	3	4	5	6
Max. Load — Lbs.	32,500	64,000	95,500	126,200	157,000	186,800
No. Parts of Line	7	8	9	10	11	12
Max. Load — Lbs.	215,900	243,000	267,100	289,000	311,000	331,000
No. Parts of Line	13					
Max. Load — Lbs.	350,000					

LOAD AND WHIP LINE SPECIFICATIONS
LOAD LINE: 1-1/8" — 6 x 31 Warrington-Seale, Extra Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 65 Ton. Approx. Weight per Ft. in lbs. 2.34.
WHIP LINE: 1-1/8" — 6 x 25 Filler Wire, Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 56.5 Ton. Maximum Load — 28,300 lbs. per line. Approx. Weight per Ft. in lbs. 2.34

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED					
OVER FRONT OF BLOCKED CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS		OVER SIDE OF RETRACTED CRAWLERS	
Boom Lgth.	Jib No. 123	Boom Lgth.	Jib No. 123	Boom Lgth.	Jib No. 123
220'	—	200'	—	190'	—
210'	—	190'	—	180'	—
200'	40'	180'	50'	170'	50'
190'	60'	170'	60'	160'	60'

Load block, hook and weight ball on ground at start.  
Upper boom point cannot be used on 220' boom.

DEDUCT FROM CAPACITIES WHEN UPPER BOOM POINT IS ATTACHED	(A) DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED	
	Jib Length	Jib No. 123
One Sheave Point 1,200 lbs.	30'	3,000 lbs.
Two Sheave Point 1,500 lbs.	40'	3,600 lbs.
	50'	4,200 lbs.
	60'	4,900 lbs.

For jib capacities,  
consult jib chart.

Jib deducts include jib adaptor.

Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended	Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended	Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
15	80.7	76.2	350,000	350,000	45	58.9	75.6	63,400	72,900	19	81.2	105.9	224,600	243,000			
16	79.9	76.0	308,600	332,800	50	54.6	72.3	55,000	63,100	20	80.6	105.8	205,800	243,000			
17	79.0	75.8	275,000	307,800	55	50.1	68.5	48,400	55,400	22	79.4	105.4	176,100	213,100			
18	78.2	75.6	248,000	285,200	60	45.2	63.9	43,000	49,200	24	78.3	105.0	153,500	183,800			
19	77.3	75.4	225,600	270,100	65	39.9	58.5	38,600	44,200	26	77.1	104.6	135,900	161,400			
20	76.5	75.2	206,900	253,500	70	34.0	51.8	34,900	39,900	28	75.9	104.1	121,800	143,600			
22	74.8	74.7	177,200	214,000	75	26.9	43.3	31,700	36,300	30	74.7	103.6	110,100	129,200			
24	73.1	74.1	154,800	184,800	80	17.4	31.0	29,000	33,200	32	73.5	103.0	100,400	117,300			
26	71.4	73.4	137,200	162,500	17	81.5	96.1	267,100	267,100	34	72.3	102.4	92,100	107,300			
28	69.7	72.7	123,100	144,800	18	80.8	96.0	247,400	267,100	36	71.1	101.7	85,000	98,800			
30	67.9	72.0	111,500	130,500	19	80.2	95.8	225,000	263,000	38	69.9	101.0	78,800	91,400			
32	66.1	71.1	101,700	118,600	20	79.5	95.6	206,200	250,500	40	68.7	100.3	73,400	85,000			
34	64.3	70.2	93,500	108,600	22	78.2	95.2	176,500	213,400	45	65.6	98.2	62,500	72,000			
36	62.5	69.2	86,400	100,100	24	76.9	94.8	154,000	184,200	50	62.4	95.7	54,100	62,200			
38	60.6	68.1	80,300	92,700	26	75.6	94.3	136,400	161,800	55	59.1	92.9	47,400	54,500			
40	58.7	66.9	74,900	86,300	28	74.3	93.8	122,200	144,100	60	55.7	89.7	42,100	48,300			
45	53.8	63.6	63,900	73,400	30	73.0	93.2	110,600	129,700	65	52.2	86.1	37,700	43,300			
50	48.6	59.6	55,600	63,700	32	71.7	92.5	100,900	117,800	70	48.4	81.9	33,900	39,000			
55	42.8	54.7	49,000	56,000	34	70.3	91.8	92,600	107,800	75	44.5	77.2	30,800	35,400			
60	36.4	48.7	43,600	49,800	36	68.9	91.1	85,500	99,200	80	40.2	71.7	28,000	32,300			
65	28.8	40.8	39,200	44,800	38	67.6	90.3	79,400	91,900	85	35.6	65.3	25,700	29,600			
70	18.6	29.5	35,500	40,500	40	66.2	89.4	74,000	85,500	90	30.3	57.6	23,600	27,200			
16	81.1	86.1	308,300	311,000	45	62.7	87.1	63,000	72,500	95	24.0	47.8	21,700	25,200			
17	80.4	86.0	274,700	306,300	50	59.0	84.3	54,600	62,700	100	15.6	33.9	20,100	23,300			
18	79.7	85.8	247,600	283,800	55	55.2	81.0	48,000	55,100								
19	78.9	85.6	225,200	268,800	60	51.2	77.3	42,700	48,900								
20	78.2	85.4	206,500	252,600	65	47.0	73.0	38,200	43,800								
22	76.8	85.0	176,800	213,600	70	42.5	67.9	34,500	39,600								
24	75.3	84.5	154,300	184,400	75	37.6	62.0	31,400	36,000								
26	73.8	83.9	136,700	162,100	80	32.0	54.8	28,600	32,900								
28	72.3	83.3	122,500	144,300	85	25.4	45.6	26,300	30,200								
30	70.8	82.6	110,900	130,000	90	16.4	32.5	24,200	27,800								
32	69.3	81.9	101,200	118,100													
34	67.7	81.1	93,000	108,100													
36	66.2	80.3	85,900	99,600													
38	64.6	79.4	79,700	92,200													
40	63.0	78.4	74,300	85,800													

Capacities continued  
on reverse side.

Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
20	81.5	115.9	205,500	215,900	
22	80.4	115.6	175,700	212,800	
24	79.3	115.2	153,200	183,500	
26	78.3	114.8	135,600	161,100	
28	77.2	114.4	121,400	143,300	
30	76.1	113.9	109,700	128,900	
32	75.1	113.4	100,000	117,000	
34	74.0	112.8	91,700	107,000	
36	72.9	112.2	84,600	98,400	
38	71.8	111.6	78,500	91,000	
40	70.7	110.9	73,100	84,600	
45	67.9	109.0	62,100	71,600	
50	65.1	106.9	53,700	61,800	
55	62.2	104.4	47,000	54,100	
60	59.2	101.6	41,700	47,900	
65	56.1	98.4	37,200	42,900	
70	52.9	94.9	33,500	38,600	
75	49.6	90.8	30,400	35,000	
80	46.1	86.3	27,600	31,900	
85	42.3	81.2	25,300	29,200	
90	38.3	75.3	23,200	26,800	
95	33.9	68.4	21,300	24,700	
100	28.9	60.2	19,700	22,900	
105	22.9	49.9	18,200	21,200	
22	81.2	125.7	175,500	186,800	
24	80.2	125.4	153,000	183,400	
26	79.3	125.0	135,300	160,900	
28	78.3	124.6	121,100	143,100	
30	77.3	124.2	109,500	128,700	
32	76.3	123.7	99,700	116,800	
34	75.4	123.2	91,500	106,700	
36	74.4	122.7	84,400	98,200	
38	73.4	122.1	78,200	90,800	
40	72.4	121.5	72,800	84,300	
45	69.9	119.8	61,800	71,400	
50	67.3	117.8	53,400	61,500	
55	64.7	115.6	46,700	53,800	
60	62.0	113.1	41,400	47,600	
65	59.3	110.2	36,900	42,600	
70	56.4	107.1	33,200	38,300	
75	53.5	103.6	30,000	34,700	
80	50.5	99.7	27,300	31,600	
85	47.3	95.3	24,900	28,900	
90	44.0	90.5	22,800	26,500	
95	40.4	84.9	21,000	24,400	
100	36.6	78.7	19,300	22,600	
105	32.4	71.4	17,900	20,900	
110	27.6	62.7	16,500	19,400	
115	21.9	51.9	15,300	18,000	
24	81.0	135.5	152,600	183,300	
26	80.1	135.2	135,000	160,600	
28	79.2	134.8	120,800	142,800	
30	78.3	134.4	109,100	128,300	
32	77.4	134.0	99,400	116,400	
34	76.5	133.5	91,100	106,400	
36	75.6	133.0	84,000	97,800	
38	74.7	132.5	77,800	90,400	
40	73.8	131.9	72,400	84,000	
45	71.5	130.4	61,400	71,000	
50	69.1	128.6	53,000	61,100	
55	66.7	126.5	46,300	53,400	
60	64.3	124.3	41,000	47,200	
65	61.8	121.7	36,500	42,100	
70	59.3	118.9	32,800	37,900	
75	56.7	115.8	29,600	34,300	
80	54.0	112.3	26,900	31,200	
85	51.3	108.5	24,500	28,500	
90	48.4	104.3	22,400	26,100	
95	45.4	99.6	20,600	24,000	
100	42.2	94.4	18,900	22,100	
105	38.8	88.5	17,400	20,500	
110	35.1	81.9	16,100	19,000	
115	31.1	74.2	14,900	17,600	
120	26.5	65.1	13,800	16,400	
125	21.0	53.8	12,800	15,200	
26	80.8	145.3	134,500	157,000	
28	80.0	145.0	120,300	142,400	
30	79.2	144.6	108,600	127,900	
32	78.3	144.2	98,900	116,000	
34	77.5	143.8	90,600	105,900	
36	76.6	143.3	83,500	97,300	
38	75.8	142.8	77,300	89,900	
40	75.0	142.3	71,900	83,500	
45	72.8	140.9	60,800	70,500	
50	70.7	139.2	52,400	60,600	
55	68.5	137.4	45,800	52,900	
60	66.3	135.3	40,400	46,700	
65	64.0	133.0	36,000	41,600	
70	61.7	130.4	32,200	37,300	
75	59.4	127.6	29,100	33,700	
80	57.0	124.5	26,300	30,600	
85	54.5	121.1	23,900	27,900	
90	51.9	117.3	21,800	25,500	
95	49.3	113.2	20,000	23,400	
100	46.5	108.7	18,300	21,600	

Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
105	43.6	103.7	16,900	19,900	
110	40.6	98.2	15,500	18,400	
115	37.3	92.0	14,300	17,000	
120	33.8	85.0	13,200	15,800	
125	29.9	76.9	12,200	14,700	
130	25.5	67.4	11,300	13,600	
135	20.3	55.6	10,400	12,700	
26	81.4	155.4	134,100	157,000	
28	80.7	155.1	119,900	142,000	
30	79.9	154.8	108,200	127,500	
32	79.1	154.4	98,500	115,600	
34	78.3	154.0	90,200	105,500	
36	77.6	153.6	83,100	96,900	
38	76.8	153.1	76,900	89,500	
40	76.0	152.6	71,400	83,100	
45	74.0	151.3	60,400	70,100	
50	72.0	149.8	52,000	60,200	
55	70.0	148.0	45,300	52,500	
60	67.9	146.1	40,000	46,300	
65	65.9	144.0	35,500	41,200	
70	63.8	141.6	31,800	36,900	
75	61.6	139.1	28,600	33,300	
80	59.4	136.2	25,900	30,200	
85	57.2	133.1	23,500	27,500	
90	54.9	129.8	21,400	25,100	
95	52.5	126.1	19,500	23,000	
100	50.0	122.1	17,900	21,100	
105	47.5	117.7	16,400	19,500	
110	44.9	112.9	15,100	17,900	
115	42.1	107.6	13,800	16,600	
120	39.1	101.8	12,700	15,300	
125	36.0	95.3	11,700	14,200	
130	32.6	88.0	10,800	13,200	
135	28.9	79.6	9,900	12,200	
140	24.6	69.7	9,100	11,300	
145	19.6	57.4	8,400	10,500	
28	81.3	165.2	119,600	141,700	
30	80.5	164.9	107,900	127,300	
32	79.8	164.6	98,100	115,300	
34	79.1	164.2	89,800	105,200	
36	78.3	163.8	82,700	96,600	
38	77.6	163.4	76,500	89,200	
40	76.9	162.9	71,100	82,800	
45	75.0	161.7	60,100	69,700	
50	73.2	160.2	51,600	59,900	
55	71.3	158.6	45,000	52,200	
60	69.4	156.9	39,600	45,900	
65	67.5	154.9	35,200	40,800	
70	65.5	152.7	31,400	36,600	
75	63.5	150.3	28,200	32,900	
80	61.5	147.7	25,500	29,800	
85	59.4	144.9	23,100	27,100	
90	57.3	141.8	21,000	24,700	
95	55.2	138.5	19,200	22,600	
100	53.0	134.9	17,500	20,800	
105	50.7	130.9	16,000	19,100	
110	48.3	126.7	14,700	17,600	
115	45.9	122.0	13,500	16,200	
120	43.4	117.0	12,400	15,000	
125	40.7	111.4	11,300	13,800	
130	37.9	105.3	10,400	12,800	
135	34.8	98.5	9,600	11,800	
140	31.6	90.8	8,800	10,900	
145	28.0	82.1	8,000	10,100	
150	23.9	71.8	7,300	9,400	
155	18.9	59.0	6,700	8,600	
30	81.1	175.1	107,500	126,200	
32	80.4	174.7	97,700	114,900	
34	79.7	174.4	89,400	104,800	
36	79.0	174.0	82,300	96,200	
38	78.3	173.6	76,100	88,800	
40	77.7	173.2	70,700	82,400	
45	75.9	172.0	59,600	69,300	
50	74.2	170.7	51,200	59,500	
55	72.4	169.2	44,500	51,700	
60	70.6	167.5	39,200	45,500	
65	68.9	165.7	34,700	40,400	
70	67.0	163.6	31,000	36,100	
75	65.2	161.4	27,800	32,500	
80	63.3	159.0	25,100	29,400	
85	61.4	156.4	22,700	26,700	
90	59.5	153.6	20,600	24,300	
95	57.5	150.5	18,700	22,200	
100	55.5	147.2	17,100	20,300	
105	53.4	143.6	15,600	18,600	
110	51.3	139.7	14,200	17,100	
115	49.1	135.6	13,000	15,800	
120	46.8	131.1	11,900	14,500	
125	44.5	126.2	10,900	13,400	
130	42.0	120.9	10,000	12,300	
135	39.4	115.0	9,100	11,400	
140	36.7	108.7	8,300	10,500	
145	33.8	101.6	7,600	9,700	
150	30.6	93.6	6,900	8,900	
155	27.1	84.6	6,200	8,200	
160	23.1	73.9	5,700	7,500	
165	18.4	60.7	5,100	6,900	

Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
32	80.9	184.9	97,300	114,500	
34	80.3	184.5	89,000	104,400	
36	79.7	184.2	81,800	95,800	
38	79.0	183.8	75,600	88,400	
40	78.4	183.4	70,200	81,900	
45	76.7	182.3	59,100	68,800	
50	75.1	181.0	50,700	59,000	
55	73.4	179.6	44,000	51,200	
60	71.8	178.1	38,600	45,000	
65	70.1	176.3	34,200	39,900	
70	68.4	174.4	30,400	35,600	
75	66.7	172.4	27,300	32,000	
80	64.9	170.1	24,500	28,800	
85	63.1	167.7	22,100	26,100	
90	61.3	165.0	20,000	23,700	
95	59.5	162.2	18,200	21,600	
100	57.6	159.2	16,500	19,800	
105	55.7	155.9	15,000	18,100	
110	53.8	152.3	13,700	16,600	
115	51.8	148.5	12,500	15,200	
120	49.7	144.5	11,300	14,000	
125	47.6	140.1	10,300	12,800	
130	45.4	135.3	9,400	11,800	
135	43.1	130.2	8,500	10,800	
140	40.8	124.6	7,700	9,900	
145	38.3	118.6	7,000	9,100	
150	35.6	111.9	6,300	8,300	
155	32.8	104.6	5,700	7,600	
160	29.7	96.3	5,100	7,000	
165	26.3	86.9	4,500	6,300	
170	22.5	75.9	4,000	5,800	
175	17.9	62.3	3,500	5,200	
32	81.4	195.0	96,900	114,100	
34	80.8	194.7	88,500		



<b>Boom Lgth.: Feet</b>	<b>Oper. Rad.: Feet</b>	<b>Boom Angle: Deg.</b>	<b>Boom Point: Elev.</b>	<b>Capacity: Crawlers Retracted</b>	<b>Capacity: Crawlers Extended</b>
<b>210</b>	36	81.1	214.6	80,600	94,600
	38	80.6	214.3	74,400	87,200
	40	80.0	213.9	68,900	80,700
	45	78.6	213.0	57,900	67,600
	50	77.3	211.9	49,400	57,700
	55	75.9	210.7	42,700	50,000
	60	74.4	209.4	37,300	43,700
	65	73.0	207.9	32,900	38,600
	70	71.6	206.4	29,100	34,300
	75	70.1	204.6	25,900	30,700
	80	68.7	202.7	23,200	27,500
	85	67.2	200.7	20,800	24,800
	90	65.7	198.5	18,700	22,400
	95	64.2	196.2	16,800	20,300
	100	62.7	193.7	15,200	18,500
	105	61.1	191.0	13,700	16,800
	110	59.6	188.2	12,300	15,300
	115	58.0	185.2	11,100	13,900
	120	56.4	181.9	10,000	12,600
	125	54.7	178.5	9,000	11,500
	130	53.0	174.9	8,000	10,400
	135	51.3	171.0	7,200	9,500
	140	49.5	166.8	6,400	8,600
	145	47.7	162.4	5,700	7,800
	150	45.8	157.7	5,000	7,000
155	43.9	152.7	4,300	6,300	
160	41.9	147.3		5,600	
165	39.8	141.5		5,000	
170	37.6	135.3		4,400	
<b>220</b>	38	81.0	224.4	73,900	86,800
	40	80.5	224.1	68,500	80,300
	45	79.2	223.2	57,400	67,200
	50	77.8	222.2	48,900	57,300
	55	76.5	221.0	42,200	49,500
	60	75.2	219.8	36,800	43,200
	65	73.8	218.4	32,400	38,100
	70	72.5	216.9	28,600	33,800
	75	71.1	215.2	25,400	30,200
	80	69.7	213.4	22,700	27,000
	85	68.3	211.5	20,300	24,300
	90	66.9	209.5	18,200	21,900
	95	65.5	207.2	16,300	19,800
	100	64.0	204.9	14,600	17,900
	105	62.6	202.4	13,100	16,200
	110	61.1	199.7	11,800	14,700
	115	59.6	196.9	10,600	13,300
	120	58.1	193.8	9,500	12,100
	125	56.5	190.6	8,400	11,000
	130	55.0	187.2	7,500	9,900
	135	53.3	183.6	6,600	8,900
	140	51.7	179.8	5,800	8,000
	145	50.0	175.7	5,100	7,200
	150	48.3	171.4	4,400	6,500
	155	46.5	166.8		5,700
160	44.7	161.9		5,100	
165	42.8	156.7		4,400	

# LIFT CRANE CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

# 4000W CRAWLER

## BOOM NO. 22 WITH OPEN THROAT TOP OFFSET 4-1/2 DEGREES 24'0" CRAWLERS — 104,400 LB. COUNTERWEIGHT

**LIFTING CAPACITIES:** Capacities for various boom 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.

Upper boom point capacity for single part whip line or combination of two single part lines is 28,300 lb. (20,000 lb. when rear auxiliary drum is used). In all cases, upper boom point capacities cannot exceed those listed for the main boom capacity.

Capacities are shown in pounds. Weight of upper boom point, jib, (see chart A), all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib point sheaves, is considered part of the main boom load. Boom is 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.

**OPERATING CONDITIONS:** Machine to operate in a level position on a firm surface with gantry in working position and under conditions referred to in rigging drawing No. 48168 and load line specification chart No. 6664-A.

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.

**OPERATING RADIUS:** Operating radius is the horizontal distance from the axis of rotation to the center of vertical hoist line or load block with the load freely suspended. Add 14" to boom point radius for radius of sheave when using single part hoist line.

Boom angle is the angle between horizontal and centerline of boom butt and inserts and is an indication of operating radius. In all cases, operating radius shall govern capacity.

**BOOM POINT ELEVATION:** Boom point elevation, in feet, is the vertical distance from ground level to centerline of boom point shaft.

**MACHINE EQUIPMENT:** Machine equipped with 24'-0" extendible crawlers, 48" treads, 15' retractable gantry, 12-part boom

hoist reeving, four 1 3/8" boom pendants, 1st ctwt. 40,100 lbs., (39,000 lb. with ctwt. assembly no. 48998) 2nd ctwt. 35,800 lbs., 3rd ctwt. 28,500 lbs.

HOIST REEVING FOR MAIN LOAD BLOCK						
No. Parts of Line	1	2	3	4	5	6
Max. Load — Lbs.	32,500	64,000	95,500	126,200	157,000	186,800
No. Parts of Line	7	8	9	10	11	
Max. Load — Lbs.	215,900	243,000	267,100	289,000	311,000	

LOAD AND WHIP LINE SPECIFICATIONS	
LOADLINE: 1 1/8" — 6x31 Warrington-Seale, Extra Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 65 Ton. Approx. Weight Per Ft. in lbs. 2.34.	
WHIP LINE: 1 1/8" — 6x25 Filler Wire, Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 56.5 Ton. Maximum Load — 28,300 lbs. Per Line. Approx. Weight Per Ft. in lbs. 2.34.	

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED					
OVER FRONT OF BLOCKED CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS		OVER SIDE OF RETRACTED CRAWLERS	
Bm. Lgth.	Jib No. 123	Bm. Lgth.	Jib No. 123	Bm. Lgth.	Jib No. 123
220'	---	200'	---	190'	---
210'	---	190'	---	180'	---
200'	40'	180'	50'	170'	50'
190'	60'	170'	60'	160'	60'

Load block, hook and weight ball on ground at start.  
Upper boom point cannot be used on 220' boom.

DEDUCT FROM CAPACITIES WHEN UPPER BOOM POINT IS ATTACHED	
One Sheave Point	1,200 lb.
Two Sheave Point	1,500 lb.

(A) DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED	
Jib Length	Jib No. 123
30'	3,000 lb.
40'	3,600 lb.
50'	4,200 lb.
60'	4,900 lb.

Jib deducts include jib adaptor.

For jib capacities,  
consult jib chart.

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
16		82.6	76.3	290,000	290,000
17		81.7	76.1	275,000	283,400
18		80.9	75.9	248,000	277,600
19		80.1	75.7	225,600	270,600
20		79.2	75.4	206,900	253,500
22		77.5	74.9	177,200	214,000
24		75.8	74.3	154,800	184,800
26		74.1	73.7	137,200	162,500
28		72.4	73.0	123,100	144,800
30		70.6	72.2	111,500	130,500
32		68.9	71.4	101,700	118,600
34		67.1	70.5	93,500	108,600
36		65.3	69.5	86,400	100,100
38		63.4	68.4	80,300	92,700
40		61.5	67.2	74,900	86,300
45		56.6	63.9	63,900	73,400
50		51.4	59.9	55,600	63,700
55		45.7	55.1	49,000	56,000
60		39.3	49.1	43,600	49,800
65		31.8	41.3	39,200	44,800
70		21.9	30.2	35,500	40,500
17		82.8	86.2	263,000	263,000
18		82.0	86.0	247,600	257,400
19		81.3	85.9	225,200	252,200
20		80.6	85.7	206,500	247,200
22		79.1	85.2	176,800	213,600
24		77.7	84.7	154,300	184,400
26		76.2	84.2	136,700	162,100
28		74.7	83.6	122,500	144,300
30		73.2	82.9	110,900	130,000
32		71.7	82.2	101,200	118,100
34		70.1	81.4	93,000	108,100
36		68.6	80.5	85,900	99,600
38		67.0	79.6	79,700	92,200
40		65.4	78.6	74,300	85,800
45		61.3	75.9	63,400	72,900

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
50		57.1	72.6	55,000	63,100
55		52.6	68.8	48,400	55,400
60		47.7	64.2	43,000	49,200
65		42.5	58.8	38,600	44,200
70		36.6	52.2	34,900	39,900
75		29.6	43.8	31,700	36,300
80		20.3	31.8	29,000	33,200
18		82.9	96.2	242,600	242,600
19		82.3	96.0	225,000	237,500
20		81.6	95.8	206,200	232,600
22		80.4	95.4	176,500	213,400
24		79.1	95.0	154,000	184,200
26		77.7	94.5	136,400	161,800
28		76.4	94.0	122,200	144,100
30		75.1	93.4	110,600	129,700
32		73.8	92.8	100,900	117,800
34		72.4	92.1	92,600	107,800
36		71.1	91.3	85,500	99,200
38		69.7	90.5	79,400	91,900
40		68.3	89.7	74,000	85,500
45		64.8	87.3	63,000	72,500
50		61.2	84.5	54,600	62,700
55		57.4	81.3	48,000	55,100
60		53.4	77.6	42,700	48,900
65		49.3	73.3	38,200	43,800
70		44.8	68.3	34,500	39,600
75		39.8	62.4	31,400	36,000
80		34.3	55.2	28,600	32,900
85		27.7	46.2	26,300	30,200
90		19.0	33.3	24,200	27,800

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
20		82.5	106.0	205,800	220,600
22		81.3	105.6	176,100	211,900
24		80.2	105.2	153,500	183,800
26		79.0	104.8	135,900	161,400
28		77.8	104.3	121,800	143,600
30		76.6	103.8	110,100	129,200
32		75.4	103.2	100,400	117,300
34		74.3	102.6	92,100	107,300
36		73.0	102.0	85,000	98,800
38		71.8	101.3	78,800	91,400
40		70.6	100.5	73,400	85,000
45		67.5	98.4	62,500	72,000
50		64.3	96.0	54,100	62,200
55		61.1	93.2	47,400	54,500
60		57.7	90.0	42,100	48,300
65		54.1	86.4	37,700	43,300
70		50.4	82.2	33,900	39,000
75		46.5	77.5	30,800	35,400
80		42.3	72.0	28,000	32,300
85		37.6	65.7	25,700	29,600
90		32.4	58.0	23,600	27,200
95		26.2	48.4	21,700	25,200
100		17.9	34.7	20,100	23,300

Capacities continued  
on reverse side.

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
22	82.1	115.8	175,700	202,000	
24	81.1	115.4	153,200	183,500	
26	80.0	115.0	135,600	161,100	
28	78.9	114.6	121,400	143,300	
30	77.9	114.1	109,700	128,900	
32	76.8	113.6	100,000	117,000	
34	75.7	113.1	91,700	107,000	
36	74.6	112.5	84,600	98,400	
38	73.5	111.8	78,500	91,000	
40	72.5	111.2	73,100	84,600	
45	69.7	109.3	62,100	71,600	
50	66.8	107.1	53,700	61,800	
55	63.9	104.6	47,000	54,100	
60	61.0	101.8	41,700	47,900	
65	57.9	98.7	37,200	42,900	
70	54.7	95.1	33,500	38,600	
75	51.4	91.1	30,400	35,000	
80	47.9	86.6	27,600	31,900	
85	44.1	81.5	25,300	29,200	
90	40.1	75.6	23,200	26,800	
95	35.7	68.8	21,300	24,700	
100	30.8	60.7	19,700	22,900	
105	24.9	50.5	18,200	21,200	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
22	82.8	125.9	175,600	186,800	
24	81.8	125.6	153,100	183,400	
26	80.9	125.2	135,400	160,900	
28	79.9	124.8	121,200	143,100	
30	78.9	124.4	109,600	128,700	
32	77.9	123.9	99,800	116,800	
34	76.9	123.4	91,500	106,700	
36	76.0	122.9	84,400	98,200	
38	75.0	122.3	78,200	90,800	
40	74.0	121.7	72,800	84,300	
45	71.4	120.0	61,800	71,400	
50	68.9	118.0	53,400	61,500	
55	66.3	115.8	46,800	53,800	
60	63.6	113.3	41,400	47,600	
65	60.9	110.5	37,000	42,600	
70	58.1	107.4	33,200	38,300	
75	55.2	103.9	30,100	34,700	
80	52.1	100.0	27,300	31,600	
85	49.0	95.6	25,000	28,900	
90	45.7	90.8	22,900	26,500	
95	42.1	85.3	21,000	24,400	
100	38.3	79.0	19,400	22,600	
105	34.1	71.8	17,900	20,900	
110	29.4	63.2	16,500	19,400	
115	23.7	52.4	15,300	18,000	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
24	82.5	135.7	152,800	179,700	
26	81.6	135.4	135,100	160,600	
28	80.7	135.0	120,900	142,800	
30	79.8	134.6	109,200	128,300	
32	78.9	134.2	99,500	116,400	
34	78.0	133.7	91,200	106,400	
36	77.1	133.2	84,100	97,800	
38	76.1	132.7	77,900	90,400	
40	75.2	132.1	72,500	84,000	
45	72.9	130.6	61,400	71,000	
50	70.6	128.8	53,000	61,100	
55	68.2	126.8	46,400	53,400	
60	65.8	124.5	41,000	47,200	
65	63.3	122.0	36,600	42,100	
70	60.8	119.1	32,800	37,900	
75	58.2	116.0	29,700	34,300	
80	55.5	112.6	26,900	31,200	
85	52.8	108.8	24,500	28,500	
90	49.9	104.6	22,400	26,100	
95	46.9	99.9	20,600	24,000	
100	43.7	94.7	18,900	22,100	
105	40.3	88.9	17,500	20,500	
110	36.7	82.3	16,100	19,000	
115	32.7	74.6	14,900	17,600	
120	28.1	65.6	13,800	16,400	
125	22.7	54.4	12,800	15,200	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
26	82.2	145.5	134,600	157,000	
28	81.3	145.2	120,400	142,400	
30	80.5	144.8	108,700	127,900	
32	79.7	144.4	98,900	116,000	
34	78.8	144.0	90,600	105,900	
36	78.0	143.5	83,500	97,300	
38	77.2	143.0	77,300	89,900	
40	76.3	142.5	71,900	83,500	
45	74.2	141.1	60,900	70,500	
50	72.0	139.4	52,500	60,600	
55	69.9	137.6	45,800	52,900	
60	67.6	135.5	40,400	46,700	
65	65.4	133.2	36,000	41,600	
70	63.1	130.6	32,300	37,300	
75	60.8	127.8	29,100	33,700	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
80	58.3	124.7	26,300	30,600	
85	55.9	121.3	24,000	27,900	
90	53.3	117.6	21,900	25,500	
95	50.7	113.5	20,000	23,400	
100	47.9	109.0	18,400	21,600	
105	45.1	104.0	16,900	19,900	
110	42.0	98.5	15,500	18,400	
115	38.8	92.3	14,300	17,000	
120	35.3	85.4	13,200	15,800	
125	31.4	77.4	12,200	14,700	
130	27.0	67.9	11,300	13,600	
135	21.8	56.2	10,400	12,700	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
26	82.7	155.6	134,100	157,000	
28	81.9	155.3	119,900	142,000	
30	81.1	155.0	108,200	127,500	
32	80.4	154.6	98,500	115,600	
34	79.6	154.2	90,200	105,500	
36	78.8	153.8	83,100	96,900	
38	78.0	153.3	76,900	89,500	
40	77.2	152.8	71,400	83,100	
45	75.3	151.5	60,400	70,100	
50	73.3	150.0	52,000	60,200	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
55	71.3	148.3	45,300	52,500	
60	69.2	146.3	40,500	46,300	
65	67.1	144.2	35,000	41,200	
70	65.0	141.9	31,800	36,900	
75	62.9	139.3	28,600	33,300	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
80	60.7	136.5	25,900	30,200	
85	58.5	133.4	23,500	27,500	
90	56.2	130.0	21,400	25,100	
95	53.8	126.3	19,500	23,000	
100	51.4	122.3	17,900	21,100	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
105	48.8	118.0	16,400	19,500	
110	46.2	113.2	15,100	17,900	
115	43.4	107.9	13,800	16,600	
120	40.5	102.1	12,700	15,300	
125	37.4	95.6	11,700	14,200	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
130	34.0	88.3	10,800	13,200	
135	30.3	80.0	9,900	12,200	
140	26.1	70.1	9,100	11,300	
145	21.0	58.0	8,400	10,500	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
28	82.4	165.4	119,600	141,700	
30	81.7	165.1	107,900	127,300	
32	81.0	164.8	98,100	115,300	
34	80.3	164.4	89,800	105,200	
36	79.5	164.0	82,700	96,600	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
38	78.8	163.6	76,500	89,200	
40	78.1	163.1	71,100	82,800	
45	76.2	161.9	60,100	69,700	
50	74.4	160.5	51,600	59,900	
55	72.5	158.9	45,000	52,200	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
60	70.6	157.1	39,600	45,900	
65	68.7	155.1	35,200	40,800	
70	66.7	152.9	31,400	36,600	
75	64.7	150.5	28,200	32,900	
80	62.7	147.9	25,500	29,800	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
85	60.7	145.1	23,100	27,100	
90	58.6	142.1	21,000	24,700	
95	56.4	138.7	19,200	22,600	
100	54.2	135.1	17,500	20,800	
105	51.9	131.2	16,000	19,100	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
110	49.6	126.9	14,700	17,600	
115	47.1	122.3	13,500	16,200	
120	44.6	117.2	12,400	15,000	
125	41.9	111.7	11,300	13,800	
130	39.1	105.6	10,400	12,800	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
135	36.1	98.8	9,600	11,800	
140	32.8	91.2	8,800	10,900	
145	29.3	82.5	8,000	10,100	
150	25.2	72.3	7,300	9,400	
155	20.3	59.7	6,700	8,600	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
28	82.9	175.6	119,200	126,200	
30	82.2	175.3	107,500	126,200	
32	81.5	174.9	97,700	114,900	
34	80.8	174.6	89,400	104,800	
36	80.1	174.2	82,300	96,200	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
38	79.5	173.8	76,100	88,800	
40	78.8	173.4	70,700	82,400	
45	77.0	172.2	59,600	69,300	
50	75.3	170.9	51,200	59,500	
55	73.5	169.4	44,500	51,700	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
60	71.8	167.7	39,200	45,500	
65	70.0	165.9	34,700	40,400	
70	68.2	163.8	31,000	36,100	
75	66.3	161.6	27,800	32,500	
80	64.5	159.2	25,100	29,400	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
85	62.6	156.6	22,700	26,700	
90	60.6	153.8	20,600	24,300	
95	58.6	150.7	18,700	22,200	
100	56.6	147.4	17,100	20,300	
105	54.6	143.8	15,600	18,600	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
110	52.4	140.0	14,200	17,100	
115	50.2	135.8	13,000	15	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
32	82.8		205.3	95,500	95,500
34	82.2		205.0	88,200	95,500
36	81.6		204.7	81,000	95,000
38	81.1		204.3	74,800	87,600
40	80.5		204.0	69,400	81,100
45	79.0		203.0	58,300	68,100
50	77.6		201.9	49,900	58,200
55	76.1		200.6	43,200	50,400
60	74.6		199.2	37,800	44,200
65	73.1		197.7	33,300	39,000
70	71.6		196.0	29,600	34,800
75	70.1		194.2	26,400	31,100
80	68.5		192.2	23,700	28,000
85	67.0		190.0	21,300	25,300
90	65.4		187.7	19,200	22,900
95	63.8		185.2	17,300	20,800
100	62.2		182.6	15,600	18,900
105	60.5		179.8	14,100	17,200
110	58.9		176.7	12,800	15,700
115	57.1		173.5	11,600	14,300
120	55.4		170.0	10,500	13,100
125	53.6		166.3	9,400	12,000
130	51.8		162.4	8,500	10,900
135	49.9		158.2	7,700	9,900
140	48.0		153.7	6,900	9,100
145	46.0		148.9	6,100	8,200
150	44.0		143.7	5,400	7,500
155	41.8		138.2	4,800	6,700
160	39.6		132.2	4,200	6,100
165	37.2		125.6		5,500
170	34.7		118.5		4,900
175	32.1		110.7		4,300

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Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
36	82.4		224.9	80,100	94,200
38	81.9		224.6	73,900	86,800
40	81.4		224.3	68,500	80,300
45	80.0		223.4	57,400	67,200
50	78.7		222.4	48,900	57,300
55	77.4		221.2	42,200	49,500
60	76.0		220.0	36,800	43,200
65	74.7		218.6	32,400	38,100
70	73.3		217.1	28,600	33,800
75	71.9		215.4	25,400	30,200
80	70.6		213.6	22,700	27,000
85	69.2		211.7	20,300	24,300
90	67.8		209.7	18,200	21,900
95	66.3		207.5	16,300	19,800
100	64.9		205.1	14,600	17,900
105	63.5		202.6	13,100	16,200
110	62.0		199.9	11,800	14,700
115	60.5		197.1	10,600	13,300
120	59.0		194.1	9,500	12,100
125	57.4		190.9	8,400	11,000
130	55.8		187.4	7,500	9,900
135	54.2		183.8	6,600	8,900
140	52.6		180.0	5,800	8,000
145	50.9		176.0	5,100	7,200
150	49.2		171.6	4,400	6,500
155	47.4		167.0		5,700
160	45.6		162.2		5,100
165	43.7		157.0		4,400

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34	82.6		215.1	87,800	95,500
36	82.0		214.8	80,600	94,600
38	81.5		214.5	74,400	87,200
40	80.9		214.1	68,900	80,700
45	79.6		213.2	57,900	67,600
50	78.2		212.1	49,400	57,700
55	76.8		210.9	42,700	50,000
60	75.3		209.6	37,300	43,700
65	73.9		208.1	32,900	38,600
70	72.5		206.6	29,100	34,300
75	71.1		204.8	25,900	30,700
80	69.6		202.9	23,200	27,500
85	68.1		200.9	20,800	24,800
90	66.6		198.7	18,700	22,400
95	65.1		196.4	16,800	20,300
100	63.6		193.9	15,200	18,500
105	62.1		191.3	13,700	16,800
110	60.5		188.4	12,300	15,300
115	58.9		185.4	11,100	13,900
120	57.3		182.2	10,000	12,600
125	55.6		178.7	9,000	11,500
130	53.9		175.1	8,000	10,400
135	52.2		171.2	7,200	9,500
140	50.5		167.1	6,400	8,600
145	48.6		162.7	5,700	7,800
150	46.8		158.0	5,000	7,000
155	44.8		153.0	4,300	6,300
160	42.8		147.6		5,600
165	40.8		141.8		5,000
170	38.6		135.6		4,400

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Combined From Charts:  
 No. 6421 7-20-77  
 No. 6274-C 12-6-83  
 No. 6274-D 12-6-83  
 No. 6664-A 8-18-82

# JIB LIFTING CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

# 4000W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH LIGHT TAPERED TOP  
24' CRAWLERS EXTENDED

0 DEGREE JIB OFFSET ANGLE

Chart supplements boom capacity chart No. 6272-A. Capacities are for freely suspended loads based on tipping, strength of structural components or other factors. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, as well as adverse operating conditions and physical machine depreciation.

Capacities do not exceed 75% of a static tipping load with machine on firm level surface. Capacities based on structural

competence are denoted by shaded areas. Operating radius is the horizontal distance from the axis of rotation to the center of vertical hoist line or load block. Weight of all load blocks, hooks, weight ball, slings, hoist lines beneath boom and jib point sheaves, etc., including those on the main boom 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. Maximum capacity on 1 1/8 in. — 6x25 IPS, IWRC is 28,300 lbs./line.

30 FOOT JIB	JIB POINT RAD. FEET	CAPACITIES IN POUNDS												JIB POINT RAD. FEET
		BOOM LENGTH — FEET												
		110	120	130	140	150	160	170	180	190	200	210	220	
65 *	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	65 *
70	40,000	40,000	40,000	39,400	39,000	38,400	38,100	37,600	37,100	36,600	36,200	35,700	70	
75	37,500	36,900	36,400	35,800	35,300	34,800	34,500	33,900	33,500	32,900	32,500	32,000	75	
80	34,400	33,800	33,200	32,700	32,200	31,600	31,300	30,800	30,300	29,700	29,400	28,900	80	
85	31,700	31,000	30,500	29,900	29,500	28,900	28,600	28,000	27,600	27,000	26,700	26,100	85	
90	29,300	28,700	28,100	27,500	27,100	26,500	26,200	25,600	25,200	24,600	24,300	23,700	90	
100	25,300	24,700	24,100	23,600	23,100	22,500	22,200	21,600	21,200	20,600	20,200	19,700	100	
110	22,100	21,500	20,900	20,300	19,900	19,300	19,000	18,400	17,900	17,400	17,000	16,500	110	
120	19,500	18,900	18,300	17,700	17,300	16,700	16,400	15,800	15,300	14,700	14,400	13,800	120	
130		16,700	16,100	15,500	15,100	14,500	14,200	13,600	13,100	12,500	12,200	11,600	130	
140			14,300	13,700	13,200	12,600	12,300	11,700	11,200	10,700	10,300	9,700	140	
150				12,100	11,600	11,000	10,700	10,100	9,600	9,100	8,700	8,100	150	
160					10,200	9,600	9,300	8,700	8,300	7,700	7,300	6,700	160	
170							8,100	7,500	7,000	6,400	6,100	5,500	170	
180								6,400	6,000	5,400	5,000	4,400	180	
190									5,000	4,400	4,100		190	

40 FOOT JIB	JIB POINT RAD. FEET	CAPACITIES IN POUNDS												JIB POINT RAD. FEET
		BOOM LENGTH — FEET												
		110	120	130	140	150	160	170	180	190	200	210	220	
75 *	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	75 *
80	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	29,900	29,600	29,000	80	
85	30,000	30,000	30,000	30,000	29,600	29,100	28,800	28,200	27,700	27,200	26,800	26,300	85	
90	29,400	28,800	28,300	27,700	27,300	26,700	26,400	25,800	25,300	24,800	24,400	23,900	90	
100	25,400	24,800	24,300	23,700	23,300	22,700	22,400	21,800	21,300	20,800	20,400	19,900	100	
110	22,200	21,600	21,100	20,500	20,000	19,500	19,200	18,600	18,100	17,500	17,200	16,600	110	
120	19,600	19,000	18,500	17,900	17,400	16,800	16,500	15,900	15,500	14,900	14,500	14,000	120	
130	17,400	16,800	16,300	15,700	15,200	14,600	14,300	13,700	13,300	12,700	12,300	11,800	130	
140		15,000	14,400	13,800	13,400	12,800	12,500	11,900	11,400	10,800	10,500	9,900	140	
150			12,800	12,200	11,800	11,200	10,900	10,300	9,800	9,200	8,900	8,300	150	
160				10,900	10,400	9,800	9,500	8,900	8,400	7,800	7,500	6,900	160	
170						8,600	8,300	7,700	7,200	6,600	6,200	5,700	170	
180							7,200	6,600	6,100	5,500	5,200	4,600	180	
190								5,600	5,200	4,600	4,200		190	

50 FOOT JIB	JIB POINT RAD. FEET	CAPACITIES IN POUNDS												JIB POINT RAD. FEET
		BOOM LENGTH — FEET												
		110	120	130	140	150	160	170	180	190	200	210		
100 *	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000		100 *	
105	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	19,900	19,300	19,000		105	
110	20,000	20,000	20,000	20,000	20,000	19,700	19,400	18,800	18,400	17,800	17,400		110	
120	19,800	19,200	18,700	18,100	17,600	17,000	16,700	16,200	15,700	15,100	14,800		120	
130	17,600	17,000	16,500	15,900	15,400	14,800	14,500	14,000	13,500	12,900	12,600		130	
140	15,700	15,100	14,600	14,000	13,500	13,000	12,700	12,100	11,600	11,000	10,700		140	
150		13,500	13,000	12,400	11,900	11,400	11,000	10,500	10,000	9,400	9,100		150	
160			11,600	11,000	10,600	10,000	9,700	9,100	8,600	8,000	7,700		160	
170				9,800	9,300	8,700	8,400	7,900	7,400	6,800	6,400		170	
180						7,700	7,400	6,800	6,300	5,700	5,400		180	
190							6,400	5,800	5,300	4,800	4,400		190	
200								5,000	4,500				200	

60 FOOT JIB	JIB POINT RAD. FEET	CAPACITIES IN POUNDS												JIB POINT RAD. FEET
		BOOM LENGTH — FEET												
		110	120	130	140	150	160	170	180	190	200	210		
140 *	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000		140 *	
145	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000		145	
150	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	9,500	9,200		150	
155		10,000	10,000	10,000	10,000	10,000	10,000	9,900	9,400	8,800	8,500		155	
160			10,000	10,000	10,000	10,000	9,800	9,200	8,700	8,100	7,800		160	
165				10,000	10,000	10,000	9,400	9,100	8,600	8,100	7,500		165	
170					10,000	9,900	9,400	8,800	8,500	8,000	7,500		170	
180						8,400	8,400	7,800	7,500	6,900	6,600		180	
190							6,800	6,500	5,900	5,400	4,900		190	
200								5,600	5,100	4,600	4,000		200	

\* These capacities apply for ALL lesser radii obtainable.

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH LIGHT TAPERED TOP  
24' CRAWLERS EXTENDED

10 DEGREE JIB OFFSET ANGLE

Chart supplements boom capacity chart No. 6272-A. Capacities are for freely suspended loads based on tipping, strength of structural components or other factors. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, as well as adverse operating conditions and physical machine depreciation.

competence are denoted by shaded areas. Operating radius is the horizontal distance from the axis of rotation to the center of vertical hoist line or load block. Weight of all load blocks, hooks, weight ball, slings, hoist lines beneath boom and jib point sheaves, etc., including those on the main boom 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. Maximum capacity on 1 1/8 in. — 6x25 IPS, IWRC is 28,300 lbs./line.

Capacities do not exceed **75%** of a static tipping load with machine on firm level surface. Capacities based on structural

30 FOOT JIB	JIB POINT RAD. FEET	CAPACITIES IN POUNDS											JIB POINT RAD. FEET	
		BOOM LENGTH — FEET												
		110	120	130	140	150	160	170	180	190	200	210		220
65 *	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	65 *
70	40,000	40,000	40,000	40,000	39,700	39,200	38,900	38,400	38,000	37,500	37,200	36,700	70	
75	37,900	37,400	36,900	36,400	36,000	35,400	35,200	34,700	34,300	33,800	33,400	32,900	75	
80	34,800	34,200	33,700	33,200	32,800	32,200	32,000	31,500	31,000	30,500	30,200	29,700	80	
85	32,000	31,500	31,000	30,400	30,000	29,500	29,200	28,700	28,300	27,700	27,400	26,900	85	
90	29,600	29,000	28,500	28,000	27,600	27,000	26,800	26,200	25,800	25,300	25,000	24,400	90	
95	27,500	26,900	26,400	25,900	25,400	24,900	24,600	24,100	23,600	23,100	22,800	22,300	95	
100	25,600	25,000	24,500	23,900	23,500	23,000	22,700	22,200	21,700	21,200	20,900	20,300	100	
110	22,300	21,700	21,200	20,700	20,200	19,700	19,400	18,900	18,400	17,900	17,600	17,000	110	
120		19,100	18,600	18,000	17,600	17,000	16,700	16,200	15,700	15,200	14,900	14,300	120	
130			16,300	15,800	15,300	14,800	14,500	13,900	13,500	12,900	12,600	12,100	130	
140				13,400	12,900	12,600	12,000	11,600	11,000	10,700	10,100	10,100	140	
150					11,200	10,900	10,400	9,900	9,400	9,000	8,500	8,500	150	
160						9,500	9,000	8,500	7,900	7,600	7,100	7,100	160	
170								7,300	6,700	6,400	5,800	5,800	170	
180									5,600	5,200	4,700	4,700	180	

40 FOOT JIB	JIB POINT RAD. FEET	CAPACITIES IN POUNDS											JIB POINT RAD. FEET
		BOOM LENGTH — FEET											
		110	120	130	140	150	160	170	180	190	200	210	
80 *	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	80 *
85	30,000	30,000	30,000	30,000	30,000	29,800	29,600	29,100	28,600	28,100	27,800	27,300	85
90	29,800	29,300	28,800	28,300	27,900	27,400	27,100	26,600	26,200	25,700	25,300	24,800	90
95	27,700	27,200	26,700	26,100	25,700	25,200	24,900	24,400	24,000	23,500	23,200	22,700	95
100	25,800	25,200	24,800	24,200	23,800	23,300	23,000	22,500	22,100	21,500	21,200	20,700	100
110	22,500	22,000	21,500	20,900	20,500	20,000	19,700	19,200	18,700	18,200	17,900	17,400	110
120	19,900	19,300	18,800	18,300	17,800	17,300	17,000	16,500	16,000	15,500	15,200	14,600	120
130		17,100	16,600	16,000	15,600	15,000	14,700	14,200	13,800	13,200	12,900	12,400	130
140				14,100	13,700	13,100	12,800	12,300	11,800	11,300	11,000	10,400	140
150					12,000	11,500	11,200	10,600	10,200	9,600	9,300	8,800	150
160						10,000	9,800	9,200	8,800	8,200	7,900	7,300	160
170								7,900	7,500	6,900	6,600	6,100	170
180									6,400	5,800	5,500	4,900	180
190										4,800	4,500	4,500	190

50 FOOT JIB	JIB POINT RAD. FEET	CAPACITIES IN POUNDS											JIB POINT RAD. FEET
		BOOM LENGTH — FEET											
		110	120	130	140	150	160	170	180	190	200	210	
100 *	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	100 *
105	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	19,900		105
110	20,000	20,000	20,000	20,000	20,000	20,000	20,000	19,600	19,100	18,600	18,300		110
115	20,000	20,000	20,000	19,800	19,400	18,900	18,600	18,100	17,700	17,200	16,900		115
120	20,000	19,600	19,100	18,600	18,100	17,600	17,300	16,800	16,400	15,900	15,500		120
130	17,800	17,300	16,800	16,300	15,900	15,300	15,100	14,500	14,100	13,600	13,300		130
140		15,400	14,900	14,400	13,900	13,400	13,100	12,600	12,200	11,600	11,300		140
150				12,700	12,300	11,700	11,500	10,900	10,500	10,000	9,600		150
160					10,800	10,300	10,000	9,500	9,000	8,500	8,200		160
170						9,000	8,700	8,200	7,800	7,200	6,900		170
180								7,100	6,600	6,100	5,800		180
190									5,600	5,100	4,800		190

60 FOOT JIB	JIB POINT RAD. FEET	CAPACITIES IN POUNDS											JIB POINT RAD. FEET
		BOOM LENGTH — FEET											
		110	120	130	140	150	160	170	180	190	200	210	
140 *	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000		140 *
145		10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000		145
150			10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	9,800		150
155				10,000	10,000	10,000	10,000	10,000	9,900	9,400	9,100		155
160					10,000	10,000	10,000	9,700	9,200	8,700	8,400		160
165						10,000	9,800	9,500	9,000	8,600	8,100	7,700	165
170							9,700	9,200	8,900	8,400	7,900	7,100	170
180								8,100	7,800	7,300	6,800	6,000	180
190									6,300	5,800	5,300	4,900	190
200										4,900	4,400	4,000	200

\* These capacities apply for ALL lesser radii obtainable.

# JIB LIFTING CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

# 4000W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH LIGHT TAPERED TOP  
24' CRAWLERS EXTENDED

20 DEGREE JIB OFFSET ANGLE

Chart supplements boom capacity chart No. 6272-A. Capacities are for freely suspended loads based on tipping, strength of structural components or other factors. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, as well as adverse operating conditions and physical machine depreciation.

Capacities do not exceed 75% of a static tipping load with machine on firm level surface. Capacities based on structural

competence are denoted by shaded areas. Operating radius is the horizontal distance from the axis of rotation to the center of vertical hoist line or load block. Weight of all load blocks, hooks, weight ball, slings, hoist lines beneath boom and jib point sheaves, etc., including those on the main boom 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. Maximum capacity on 1 1/8 in. — 6x25 IPS, IWRC is 28,300 lbs./line.

30 FOOT JIB	JIB POINT RAD. FEET	CAPACITIES IN POUNDS											JIB POINT RAD. FEET	
		BOOM LENGTH — FEET												
		110	120	130	140	150	160	170	180	190	200	210		220
65*	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	65*
70	40,000	40,000	40,000	40,000	40,000	39,900	39,600	39,200	38,800	38,400	38,100	37,700	37,300	70
75	38,300	37,800	37,400	36,900	36,600	36,100	35,800	35,400	35,000	34,600	34,300	33,800	33,400	75
80	35,100	34,600	34,200	33,700	33,300	32,800	32,600	32,100	31,700	31,300	31,000	30,500	30,100	80
85	32,300	31,800	31,400	30,900	30,500	30,000	29,800	29,300	28,900	28,400	28,100	27,600	27,200	85
90	29,900	29,400	28,900	28,400	28,000	27,500	27,300	26,800	26,400	25,900	25,600	25,100	24,700	90
95	27,700	27,200	26,700	26,200	25,800	25,300	25,100	24,600	24,200	23,700	23,400	22,900	22,500	95
100	25,800	25,300	24,800	24,300	23,900	23,400	23,100	22,600	22,200	21,700	21,400	20,900	20,500	100
105		23,500	23,100	22,500	22,100	21,600	21,400	20,900	20,500	20,000	19,600	19,200	18,800	105
110			21,500	21,000	20,600	20,000	19,800	19,300	18,900	18,400	18,000	17,600	17,200	110
115				19,500	19,100	18,600	18,400	17,800	17,400	16,900	16,600	16,100	15,700	115
120				18,200	17,800	17,300	17,000	16,500	16,100	15,600	15,300	14,800	14,400	120
130						15,000	14,800	14,200	13,800	13,300	13,000	12,500	12,100	130
140								12,300	11,900	11,300	11,000	10,500	10,100	140
150									10,200	9,600	9,300	8,800	8,400	150
160											7,900	7,300	6,700	160

40 FOOT JIB	JIB POINT RAD. FEET	CAPACITIES IN POUNDS											JIB POINT RAD. FEET	
		BOOM LENGTH — FEET												
		110	120	130	140	150	160	170	180	190	200	210		220
80*	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	80*
85	29,100	29,000	29,000	29,000	29,000	29,000	29,000	29,000	29,000	29,000	28,700	28,300	27,900	85
90	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	27,800	27,300	26,900	26,500	26,100	90
95	27,100	27,000	27,100	26,700	26,300	25,800	25,800	25,100	24,700	24,200	23,900	23,500	23,100	95
100	26,100	25,600	25,200	24,700	24,300	23,800	23,600	23,100	22,700	22,200	21,900	21,500	21,100	100
105	24,400	23,900	23,400	22,900	22,500	22,100	21,800	21,300	20,900	20,500	20,200	19,700	19,300	105
110	22,800	22,300	21,800	21,300	21,000	20,500	20,200	19,700	19,300	18,800	18,500	18,100	17,700	110
115		20,900	20,400	19,900	19,500	19,000	18,800	18,300	17,900	17,400	17,100	16,600	16,200	115
120			19,100	18,600	18,200	17,700	17,400	16,900	16,500	16,000	15,700	15,300	14,900	120
130					15,900	15,400	15,100	14,600	14,200	13,700	13,400	12,900	12,500	130
140						13,400	13,200	12,600	12,200	11,700	11,400	10,900	10,500	140
150								10,900	10,500	10,000	9,700	9,200	8,800	150
160									9,000	8,500	8,200	7,700	7,300	160
170											6,900	6,400	6,000	170

50 FOOT JIB	JIB POINT RAD. FEET	CAPACITIES IN POUNDS											JIB POINT RAD. FEET	
		BOOM LENGTH — FEET												
		110	120	130	140	150	160	170	180	190	200	210		
105*	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	105*
110	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	19,900	19,400	19,100	18,700	110
115	19,800	20,000	20,000	20,000	19,900	19,500	19,200	18,800	18,400	17,900	17,600	17,200	16,800	115
120		19,900	19,500	19,000	18,600	18,100	17,900	17,400	17,000	16,600	16,300	15,900	15,500	120
125		18,700	18,200	17,800	17,400	16,900	16,700	16,200	15,800	15,300	15,000	14,600	14,200	125
130			17,100	16,700	16,300	15,800	15,500	15,100	14,700	14,200	13,900	13,500	13,100	130
135				15,600	15,200	14,700	14,500	14,000	13,600	13,100	12,800	12,400	12,000	135
140					14,300	13,800	13,500	13,100	12,700	12,200	11,900	11,500	11,100	140
145					13,400	12,900	12,600	12,200	11,800	11,300	11,000	10,600	10,200	145
150						12,100	11,800	11,300	10,900	10,400	10,100	9,700	9,300	150
160								9,800	9,400	8,900	8,600	8,200	7,800	160
170									8,100	7,600	7,300	6,900	6,500	170

60 FOOT JIB	JIB POINT RAD. FEET	CAPACITIES IN POUNDS											JIB POINT RAD. FEET	
		BOOM LENGTH — FEET												
		110	120	130	140	150	160	170	180	190	200	210		
125*	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	125*
130		10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	130
135			10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	135
140				10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	140
145					10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	145
150						10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	150
155							10,000	10,000	10,000	10,000	10,000	10,000	9,700	155
160								10,000	10,000	10,000	9,700	9,200	8,900	160
170									8,800	8,400	7,900	7,600	7,200	170
180											6,700	6,400	6,000	180

\* These capacities apply for ALL lesser radii obtainable.

# LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

# 4000W

**JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH OPEN THROAT TOP  
104,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED**

CHART SUPPLEMENTS BOOM CAPACITY CHART NO. 6274-A. CAPACITIES FOR VARIOUS BOOM LENGTHS, JIB LENGTHS AND JIB 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 AN ASTERISK (\*).

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.

MACHINE TO OPERATE IN A LEVEL POSITION ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH CRAWLERS FULLY EXTENDED AND GANTRY UP. REFER TO BOOM RIGGING NO. 48168, JIB ASSEMBLY NO. 43730 AND WIRE ROPE SPECIFICATION CHART NO. 6664-A. 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.

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 BOOM BUTT AND INSERTS AND IS AN INDICATION OF OPERATING RADIUS. IN ALL CASES, OPERATING RADIUS SHALL GOVERN CAPACITY. JIB POINT ELEVATION IS VERTICAL DISTANCE FROM GROUND LEVEL TO CENTERLINE OF JIB POINT SHAFT.

MACHINE EQUIPPED WITH 24' EXTENDIBLE CRAWLERS, 48" TREADS, 15' RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 1-3/8" BOOM PENDANTS, 1ST COUNTERWEIGHT = 40,100 LBS., 2ND COUNTERWEIGHT = 35,800 LBS., 3RD COUNTERWEIGHT = 28,500 LBS.

MAXIMUM CAPACITY ON 1-1/8" - 6 X 25 IPS, IWRC IS 28,300 LBS. PER LINE.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED			
OVER END OF BLOCKED CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS	
BM. LGTH.	JIB NO. 123	BM. LGTH.	JIB NO. 123
220'	---	200'	---
210'	---	190'	---
200'	40'	180'	50'
190'	60'	170'	60'

LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START.

## 30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
<b>110</b>	30	79.8	148.1	40,000*							30
	35	77.7	147.1	40,000*	79.8	146.6	40,000*				35
	40	75.7	145.9	40,000*	77.7	145.4	40,000*	79.7	144.2	40,000*	40
	45	73.6	144.5	40,000*	75.6	144.0	40,000*	77.6	142.7	40,000*	45
	50	71.5	142.9	40,000*	73.5	142.4	40,000*	75.4	141.1	40,000*	50
	55	69.4	141.1	40,000*	71.4	140.6	40,000*	73.3	139.3	40,000*	55
	60	67.2	139.1	40,000*	69.2	138.5	40,000*	71.1	137.2	40,000*	60
	65	65.0	136.8	40,000*	67.0	136.3	40,000*	68.9	134.9	40,000*	65
	70	62.8	134.3	39,100	64.8	133.8	39,800	66.6	132.4	40,000*	70
	80	58.2	128.6	32,400	60.2	128.0	32,900	61.9	126.6	33,400	80
	90	53.4	121.7	27,300	55.3	121.1	27,700	57.0	119.6	28,100	90
	100	48.2	113.4	23,300	50.1	112.8	23,600	51.7	111.1	23,900	100
110	42.5	103.4	20,100	44.4	102.7	20,400				110	
120	36.2	91.1	17,500							120	
<b>120</b>	30	80.5	158.3	40,000*							30
	35	78.6	157.4	40,000*	80.4	156.9	40,000*				35
	40	76.6	156.2	40,000*	78.5	155.7	40,000*	80.4	154.4	40,000*	40
	45	74.7	154.9	40,000*	76.6	154.4	40,000*	78.4	153.1	40,000*	45
	50	72.8	153.4	40,000*	74.6	152.9	40,000*	76.4	151.6	40,000*	50
	55	70.8	151.7	40,000*	72.7	151.2	40,000*	74.4	149.9	40,000*	55
	60	68.8	149.9	40,000*	70.7	149.4	40,000*	72.4	148.0	40,000*	60
	65	66.8	147.8	40,000*	68.6	147.3	40,000*	70.4	145.9	40,000*	65
	70	64.7	145.5	38,500	66.6	145.0	39,200	68.3	143.6	39,900	70
	80	60.5	140.3	31,700	62.3	139.7	32,300	64.0	138.3	32,800	80
	90	56.1	134.0	26,600	57.9	133.4	27,100	59.5	131.9	27,500	90
	100	51.5	126.6	22,600	53.2	126.0	23,000	54.8	124.4	23,400	100
	110	46.5	117.8	19,400	48.2	117.1	19,800				110
120	41.0	107.2	16,800	42.8	106.5	17,100				120	
130	34.9	94.3	14,600							130	



# LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

# 4000W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH OPEN THROAT TOP  
104,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

## 30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
<b>130</b>	30	81.0	168.4	40,000*							30
	35	79.3	167.6	40,000*	81.0	167.1	40,000*				35
	40	77.5	166.5	40,000*	79.2	166.0	40,000*	81.0	164.7	40,000*	40
	45	75.7	165.3	40,000*	77.4	164.8	40,000*	79.1	163.5	40,000*	45
	50	73.8	163.9	40,000*	75.6	163.4	40,000*	77.3	162.1	40,000*	50
	55	72.0	162.3	40,000*	73.8	161.8	40,000*	75.4	160.5	40,000*	55
	60	70.2	160.6	40,000*	71.9	160.0	40,000*	73.6	158.7	40,000*	60
	65	68.3	158.6	40,000*	70.0	158.1	40,000*	71.7	156.8	40,000*	65
	70	66.4	156.5	38,200	68.1	156.0	38,900	69.7	154.6	39,600	70
	80	62.5	151.7	31,400	64.2	151.1	32,000	65.8	149.7	32,600	80
	90	58.4	145.9	26,300	60.1	145.3	26,800	61.7	143.9	27,300	90
	100	54.2	139.2	22,300	55.9	138.6	22,700	57.4	137.0	23,100	100
	110	49.7	131.3	19,100	51.4	130.6	19,500	52.8	129.0	19,800	110
	120	44.9	122.0	16,500	46.6	121.3	16,800				120
130	39.7	110.9	14,300	41.3	110.1	14,500				130	
140	33.8	97.3	12,400							140	
<b>140</b>	35	79.9	177.7	40,000*							35
	40	78.2	176.7	40,000*	79.9	176.2	40,000*				40
	45	76.5	175.6	40,000*	78.2	175.1	40,000*	79.8	173.8	40,000*	45
	50	74.8	174.3	40,000*	76.5	173.8	40,000*	78.1	172.4	40,000*	50
	55	73.1	172.8	40,000*	74.7	172.3	40,000*	76.3	171.0	40,000*	55
	60	71.3	171.2	40,000*	73.0	170.7	40,000*	74.6	169.3	40,000*	60
	65	69.6	169.4	40,000*	71.2	168.8	40,000*	72.8	167.5	40,000*	65
	70	67.8	167.4	37,600	69.4	166.9	38,400	71.0	165.5	39,100	70
	80	64.2	162.9	30,800	65.8	162.3	31,500	67.3	160.9	32,100	80
	90	60.4	157.6	25,700	62.1	157.0	26,200	63.5	155.5	26,700	90
	100	56.6	151.4	21,700	58.2	150.8	22,200	59.6	149.2	22,600	100
	110	52.5	144.2	18,500	54.1	143.5	18,900	55.5	141.9	19,200	110
	120	48.2	135.8	15,800	49.7	135.1	16,200	51.1	133.4	16,500	120
	130	43.6	126.0	13,700	45.1	125.3	13,900				130
140	38.5	114.4	11,800							140	
150	32.8	100.3	10,200							150	
<b>150</b>	35	80.4	187.9	40,000*							35
	40	78.9	186.9	40,000*	80.4	186.4	40,000*				40
	45	77.3	185.9	40,000*	78.8	185.4	40,000*	80.4	184.0	40,000*	45
	50	75.7	184.6	40,000*	77.2	184.1	40,000*	78.7	182.8	40,000*	50
	55	74.0	183.3	40,000*	75.6	182.7	40,000*	77.1	181.4	40,000*	55
	60	72.4	181.7	40,000*	74.0	181.2	40,000*	75.5	179.8	40,000*	60
	65	70.7	180.0	40,000*	72.3	179.5	40,000*	73.8	178.1	40,000*	65
	70	69.1	178.2	37,100	70.6	177.6	37,900	72.1	176.2	38,700	70
	80	65.7	174.0	30,300	67.2	173.4	31,000	68.7	172.0	31,600	80
	90	62.2	169.0	25,100	63.7	168.4	25,700	65.1	167.0	26,300	90
	100	58.6	163.3	21,200	60.1	162.7	21,700	61.5	161.1	22,100	100
	110	54.9	156.6	17,900	56.4	156.0	18,400	57.7	154.4	18,800	110
	120	50.9	149.0	15,300	52.4	148.3	15,700	53.7	146.7	16,000	120
	130	46.8	140.2	13,100	48.2	139.5	13,400				130
140	42.3	129.9	11,300	43.7	129.1	11,500				140	
150	37.4	117.8	9,700							150	
160	31.8	103.1	8,300							160	
<b>160</b>	35	80.9	198.0	40,000*							35
	40	79.4	197.1	40,000*	80.9	196.6	40,000*				40
	45	77.9	196.1	40,000*	79.4	195.6	40,000*	80.9	194.3	40,000*	45
	50	76.4	195.0	40,000*	77.9	194.4	40,000*	79.3	193.1	40,000*	50
	55	74.9	193.6	40,000*	76.4	193.1	40,000*	77.8	191.8	40,000*	55
	60	73.3	192.2	40,000*	74.8	191.7	40,000*	76.2	190.3	40,000*	60
	65	71.8	190.6	40,000*	73.3	190.1	40,000*	74.7	188.7	40,000*	65
	70	70.2	188.9	36,500	71.7	188.3	37,400	73.1	186.9	38,200	70
	80	67.0	184.9	29,700	68.5	184.3	30,400	69.9	182.9	31,100	80
	90	63.8	180.3	24,500	65.2	179.7	25,200	66.6	178.2	25,800	90
	100	60.4	174.9	20,500	61.8	174.3	21,100	63.2	172.8	21,600	100
	110	56.9	168.7	17,300	58.4	168.1	17,800	59.6	166.6	18,200	110
	120	53.3	161.7	14,700	54.7	161.1	15,100	56.0	159.4	15,500	120
	130	49.5	153.6	12,500	50.9	153.0	12,800	52.1	151.2	13,200	130
140	45.5	144.4	10,600	46.8	143.7	10,900				140	
150	41.1	133.7	9,000	42.5	132.9	9,300				150	
160	36.4	121.1	7,600							160	
170	31.0	105.9	6,400							170	

# LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

4000W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH OPEN THROAT TOP  
104,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

## 30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
<b>170</b>	40	80.0	207.3	40,000*							40
	45	78.5	206.3	40,000*	80.0	205.8	40,000*				45
	50	77.1	205.2	40,000*	78.5	204.7	40,000*	79.9	203.4	40,000*	50
	55	75.6	204.0	40,000*	77.1	203.5	40,000*	78.4	202.1	40,000*	55
	60	74.2	202.6	40,000*	75.6	202.1	40,000*	76.9	200.7	40,000*	60
	65	72.7	201.1	40,000*	74.1	200.6	40,000*	75.5	199.2	40,000*	65
	70	71.2	199.5	36,100	72.6	198.9	37,000	74.0	197.5	37,900	70
	80	68.2	195.7	29,300	69.6	195.2	30,100	70.9	193.8	30,800	80
	90	65.1	191.4	24,200	66.5	190.8	24,800	67.8	189.3	25,500	90
	100	62.0	186.3	20,200	63.4	185.8	20,800	64.6	184.3	21,300	100
	110	58.7	180.6	17,000	60.1	180.0	17,500	61.3	178.4	17,900	110
	120	55.4	174.0	14,300	56.7	173.4	14,800	57.9	171.8	15,200	120
	130	51.9	166.6	12,100	53.2	166.0	12,500	54.4	164.3	12,800	130
	140	48.2	158.2	10,300	49.5	157.5	10,600	50.6	155.7	10,900	140
	150	44.3	148.5	8,700	45.6	147.8	9,000				150
	160	40.0	137.3	7,300	41.3	136.5	7,500				160
	170	35.4	124.3	6,100							170
<b>180</b>	40	80.4	217.5	40,000*							40
	45	79.1	216.5	40,000*	80.4	216.0	40,000*				45
	50	77.7	215.5	40,000*	79.1	215.0	40,000*	80.4	213.6	40,000*	50
	55	76.3	214.3	40,000*	77.7	213.8	40,000*	79.0	212.4	40,000*	55
	60	74.9	213.0	40,000*	76.3	212.5	40,000*	77.6	211.1	40,000*	60
	65	73.5	211.6	39,900	74.9	211.0	40,000*	76.2	209.7	40,000*	65
	70	72.1	210.0	35,600	73.5	209.5	36,600	74.8	208.1	37,500	70
	80	69.3	206.5	28,800	70.6	205.9	29,600	71.9	204.5	30,400	80
	90	66.4	202.3	23,600	67.7	201.8	24,400	68.9	200.3	25,000	90
	100	63.4	197.6	19,600	64.7	197.0	20,200	65.9	195.5	20,800	100
	110	60.4	192.2	16,400	61.7	191.6	17,000	62.9	190.1	17,400	110
	120	57.2	186.1	13,800	58.5	185.5	14,300	59.7	183.9	14,700	120
	130	54.0	179.2	11,600	55.2	178.5	12,000	56.4	176.9	12,400	130
	140	50.5	171.4	9,700	51.8	170.7	10,100	52.9	169.0	10,400	140
	150	47.0	162.5	8,100	48.2	161.8	8,400				150
	160	43.2	152.5	6,700	44.4	151.7	7,000				160
	170	39.1	140.9	5,500	40.3	140.1	5,700				170
180	34.5	127.4	4,400							180	
<b>190</b>	40	80.9	227.6	40,000*							40
	45	79.6	226.7	40,000*	80.9	226.2	40,000*				45
	50	78.3	225.7	40,000*	79.6	225.2	40,000*	80.8	223.8	40,000*	50
	55	76.9	224.6	40,000*	78.2	224.1	40,000*	79.5	222.7	40,000*	55
	60	75.6	223.4	40,000*	76.9	222.8	40,000*	78.2	221.4	40,000*	60
	65	74.3	222.0	39,400	75.6	221.5	40,000*	76.8	220.1	40,000*	65
	70	73.0	220.5	35,100	74.2	220.0	36,100	75.5	218.6	37,100	70
	80	70.3	217.1	28,300	71.5	216.6	29,100	72.7	215.2	30,000	80
	90	67.5	213.2	23,100	68.8	212.7	23,900	70.0	211.2	24,600	90
	100	64.7	208.8	19,100	66.0	208.2	19,800	67.1	206.7	20,400	100
	110	61.8	203.7	15,900	63.1	203.1	16,500	64.2	201.6	17,000	110
	120	58.9	197.9	13,300	60.1	197.3	13,800	61.2	195.7	14,200	120
	130	55.8	191.4	11,100	57.0	190.8	11,500	58.1	189.2	11,900	130
	140	52.6	184.2	9,200	53.9	183.5	9,600	54.9	181.8	9,900	140
	150	49.3	176.0	7,600	50.5	175.3	7,900	51.6	173.5	8,200	150
	160	45.8	166.8	6,200	47.0	166.1	6,500				160
	170	42.1	156.4	5,000	43.3	155.6	5,200				170
<b>200</b>	45	80.0	236.9	40,000*							45
	50	78.8	235.9	40,000*	80.0	235.4	40,000*				50
	55	77.5	234.9	40,000*	78.8	234.3	40,000*	80.0	233.0	40,000*	55
	60	76.3	233.7	40,000*	77.5	233.1	40,000*	78.7	231.8	40,000*	60
	65	75.0	232.4	38,800	76.2	231.8	40,000*	77.4	230.4	40,000*	65
	70	73.7	231.0	34,500	74.9	230.4	35,600	76.1	229.0	36,600	70
	80	71.1	227.8	27,700	72.4	227.2	28,600	73.5	225.8	29,500	80
	90	68.5	224.0	22,500	69.7	223.5	23,300	70.9	222.0	24,100	90
	100	65.9	219.8	18,500	67.1	219.2	19,200	68.2	217.7	19,800	100
	110	63.1	215.0	15,300	64.3	214.4	15,900	65.4	212.9	16,500	110
	120	60.3	209.5	12,700	61.5	208.9	13,200	62.6	207.4	13,700	120
	130	57.5	203.5	10,400	58.6	202.8	10,900	59.7	201.2	11,300	130
	140	54.5	196.6	8,600	55.7	196.0	9,000	56.7	194.3	9,400	140
	150	51.4	189.0	7,000	52.6	188.4	7,300	53.6	186.6	7,700	150
	160	48.2	180.5	5,600	49.3	179.8	5,900	50.3	178.0	6,200	160
	170	44.8	170.9	4,400	45.9	170.2	4,700				170

# LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

# 4000W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH OPEN THROAT TOP  
104,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

## 40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
<b>110</b>	30	80.7	158.3	30,000*							30
	35	78.8	157.3	30,000*	81.3	156.7	30,000*				35
	40	76.9	156.2	30,000*	79.4	155.6	30,000*				40
	45	74.9	154.9	30,000*	77.4	154.3	30,000*	79.9	152.6	30,000*	45
	50	73.0	153.4	30,000*	75.5	152.8	30,000*	77.9	151.1	30,000*	50
	55	71.0	151.7	30,000*	73.5	151.1	30,000*	75.9	149.4	30,000*	55
	60	69.0	149.9	30,000*	71.5	149.2	30,000*	73.9	147.5	30,000*	60
	65	67.0	147.8	30,000*	69.5	147.1	30,000*	71.8	145.4	30,000*	65
	70	65.0	145.5	30,000*	67.4	144.8	30,000*	69.7	143.1	30,000*	70
	80	60.7	140.2	30,000*	63.2	139.5	30,000*	65.4	137.7	30,000*	80
	90	56.3	134.0	27,600	58.7	133.2	28,100	60.9	131.3	28,500*	90
	100	51.7	126.6	23,600	54.0	125.8	24,000	56.2	123.7	24,500	100
	110	46.7	117.8	20,400	49.0	116.9	20,800	51.1	114.7	21,100	110
120	41.3	107.2	17,700	43.6	106.2	18,100				120	
130	35.2	94.2	15,600							130	
<b>120</b>	30	81.3	168.4	30,000*							30
	35	79.5	167.5	30,000*							35
	40	77.7	166.5	30,000*	80.0	165.8	30,000*				40
	45	75.9	165.3	30,000*	78.2	164.6	30,000*	80.5	163.0	30,000*	45
	50	74.1	163.9	30,000*	76.4	163.2	30,000*	78.7	161.5	30,000*	50
	55	72.2	162.3	30,000*	74.6	161.6	30,000*	76.8	159.9	30,000*	55
	60	70.4	160.6	30,000*	72.7	159.9	30,000*	74.9	158.2	30,000*	60
	65	68.5	158.6	30,000*	70.8	157.9	30,000*	73.0	156.2	30,000*	65
	70	66.6	156.5	30,000*	68.9	155.8	30,000*	71.1	154.1	30,000*	70
	80	62.7	151.7	30,000*	65.0	150.9	30,000*	67.1	149.1	30,000*	80
	90	58.7	145.9	26,900	60.9	145.2	27,500	63.0	143.3	28,100	90
	100	54.4	139.2	22,900	56.7	138.4	23,400	58.7	136.4	23,900	100
	110	50.0	131.3	19,700	52.2	130.4	20,100	54.1	128.3	20,500	110
120	45.2	121.9	17,100	47.3	121.0	17,400				120	
130	39.9	110.8	14,900	42.0	109.8	15,200				130	
140	34.0	97.3	13,000							140	
<b>130</b>	35	80.1	177.7	30,000*							35
	40	78.4	176.7	30,000*	80.6	176.1	30,000*				40
	45	76.7	175.6	30,000*	78.9	174.9	30,000*	81.1	173.2	30,000*	45
	50	75.0	174.3	30,000*	77.2	173.6	30,000*	79.4	171.9	30,000*	50
	55	73.3	172.8	30,000*	75.5	172.1	30,000*	77.6	170.4	30,000*	55
	60	71.6	171.2	30,000*	73.7	170.5	30,000*	75.9	168.8	30,000*	60
	65	69.8	169.4	30,000*	72.0	168.7	30,000*	74.1	166.9	30,000*	65
	70	68.0	167.4	30,000*	70.2	166.7	30,000*	72.3	164.9	30,000*	70
	80	64.4	162.9	30,000*	66.5	162.1	30,000*	68.6	160.3	30,000*	80
	90	60.7	157.6	26,600	62.8	156.8	27,200	64.8	154.9	27,900	90
	100	56.8	151.4	22,600	58.9	150.6	23,100	60.8	148.6	23,700	100
	110	52.7	144.2	19,400	54.8	143.3	19,900	56.7	141.3	20,300	110
	120	48.4	135.8	16,700	50.4	134.9	17,200	52.3	132.7	17,500	120
130	43.8	126.0	14,600	45.8	125.0	14,900				130	
140	38.7	114.4	12,700	40.7	113.3	13,000				140	
150	33.0	100.3	11,100							150	
<b>140</b>	35	80.6	187.9	30,000*							35
	40	79.1	186.9	30,000*	81.1	186.3	30,000*				40
	45	77.5	185.9	30,000*	79.5	185.2	30,000*				45
	50	75.9	184.6	30,000*	77.9	183.9	30,000*	80.0	182.2	30,000*	50
	55	74.2	183.2	30,000*	76.3	182.6	30,000*	78.3	180.8	30,000*	55
	60	72.6	181.7	30,000*	74.7	181.0	30,000*	76.7	179.3	30,000*	60
	65	70.9	180.0	30,000*	73.0	179.3	30,000*	75.0	177.6	30,000*	65
	70	69.3	178.2	30,000*	71.3	177.4	30,000*	73.3	175.7	30,000*	70
	80	65.9	173.9	30,000*	67.9	173.2	30,000*	69.9	171.4	30,000*	80
	90	62.4	169.0	25,900	64.4	168.2	26,700	66.3	166.4	27,400	90
	100	58.8	163.2	22,000	60.8	162.5	22,600	62.7	160.5	23,100	100
	110	55.1	156.6	18,700	57.0	155.8	19,300	58.8	153.8	19,800	110
	120	51.1	149.0	16,100	53.1	148.1	16,600	54.8	146.0	17,000	120
130	47.0	140.1	13,900	48.9	139.2	14,300	50.6	136.9	14,700	130	
140	42.5	129.9	12,100	44.4	128.9	12,400				140	
150	37.6	117.8	10,500							150	
160	32.0	103.1	9,100							160	

# LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

# 4000W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH OPEN THROAT TOP  
104,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

## 40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
<b>150</b>	35	81.1	198.0	30,000*							35
	40	79.6	197.1	30,000*							40
	45	78.1	196.1	30,000*	80.1	195.4	30,000*				45
	50	76.6	194.9	30,000*	78.6	194.2	30,000*	80.5	192.5	30,000*	50
	55	75.1	193.6	30,000*	77.0	192.9	30,000*	79.0	191.2	30,000*	55
	60	73.5	192.2	30,000*	75.5	191.5	30,000*	77.4	189.7	30,000*	60
	65	72.0	190.6	30,000*	73.9	189.9	30,000*	75.8	188.1	30,000*	65
	70	70.4	188.8	30,000*	72.3	188.1	30,000*	74.2	186.3	30,000*	70
	80	67.2	184.9	30,000*	69.1	184.1	30,000*	71.0	182.3	30,000*	80
	90	64.0	180.2	25,400	65.9	179.5	26,200	67.7	177.6	26,900	90
	100	60.6	174.9	21,400	62.5	174.1	22,100	64.3	172.2	22,700	100
	110	57.1	168.7	18,200	59.0	167.9	18,800	60.7	165.9	19,300	110
	120	53.5	161.7	15,600	55.4	160.8	16,100	57.0	158.7	16,500	120
	130	49.7	153.6	13,400	51.5	152.7	13,800	53.2	150.5	14,200	130
140	45.7	144.4	11,500	47.5	143.4	11,900				140	
150	41.3	133.7	9,900	43.1	132.6	10,200				150	
160	36.5	121.1	8,500							160	
170	31.2	105.9	7,300							170	
<b>160</b>	40	80.1	207.3	30,000*							40
	45	78.7	206.3	30,000*	80.6	205.6	30,000*				45
	50	77.3	205.2	30,000*	79.1	204.5	30,000*	81.0	202.8	30,000*	50
	55	75.8	204.0	30,000*	77.7	203.3	30,000*	79.5	201.5	30,000*	55
	60	74.4	202.6	30,000*	76.2	201.9	30,000*	78.0	200.1	30,000*	60
	65	72.9	201.1	30,000*	74.7	200.4	30,000*	76.6	198.6	30,000*	65
	70	71.4	199.5	30,000*	73.3	198.7	30,000*	75.0	196.9	30,000*	70
	80	68.4	195.7	29,900	70.2	195.0	30,000*	72.0	193.1	30,000*	80
	90	65.3	191.3	24,800	67.2	190.6	25,700	68.9	188.7	26,400	90
	100	62.2	186.3	20,800	64.0	185.5	21,500	65.7	183.6	22,200	100
	110	58.9	180.6	17,600	60.7	179.8	18,200	62.4	177.8	18,800	110
	120	55.6	174.0	15,000	57.3	173.2	15,500	59.0	171.1	16,000	120
	130	52.1	166.6	12,800	53.8	165.7	13,200	55.4	163.6	13,700	130
	140	48.4	158.1	10,900	50.1	157.2	11,300	51.6	154.9	11,700	140
150	44.4	148.5	9,300	46.2	147.5	9,600				150	
160	40.2	137.3	7,900	41.9	136.3	8,200				160	
170	35.6	124.3	6,700							170	
<b>170</b>	40	80.6	217.5	30,000*							40
	45	79.2	216.5	30,000*	81.0	215.8	30,000*				45
	50	77.9	215.5	30,000*	79.7	214.8	30,000*				50
	55	76.5	214.3	30,000*	78.3	213.6	30,000*	80.0	211.8	30,000*	55
	60	75.1	213.0	30,000*	76.9	212.3	30,000*	78.6	210.5	30,000*	60
	65	73.7	211.6	30,000*	75.5	210.9	30,000*	77.2	209.1	30,000*	65
	70	72.3	210.0	30,000*	74.1	209.3	30,000*	75.8	207.5	30,000*	70
	80	69.5	206.5	29,600	71.2	205.7	30,000*	72.9	203.9	30,000*	80
	90	66.6	202.3	24,400	68.3	201.6	25,300	70.0	199.7	26,100	90
	100	63.6	197.6	20,400	65.3	196.8	21,200	67.0	194.9	21,900	100
	110	60.5	192.2	17,200	62.3	191.4	17,900	63.9	189.4	18,500	110
	120	57.4	186.1	14,600	59.1	185.3	15,200	60.7	183.2	15,700	120
	130	54.1	179.2	12,400	55.8	178.3	12,900	57.3	176.2	13,300	130
	140	50.7	171.4	10,500	52.4	170.5	11,000	53.9	168.2	11,400	140
150	47.1	162.5	8,900	48.8	161.6	9,300				150	
160	43.3	152.5	7,500	45.0	151.4	7,900				160	
170	39.2	140.9	6,300	40.8	139.8	6,600				170	
180	34.7	127.4	5,200							180	

# LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

# 4000W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH OPEN THROAT TOP  
104,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

## 40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
<b>180</b>	40	81.0	227.6	30,000*							40
	45	79.7	226.7	30,000*							45
	50	78.4	225.7	30,000*	80.1	225.0	30,000*				50
	55	77.1	224.6	30,000*	78.8	223.9	30,000*	80.5	222.1	30,000*	55
	60	75.8	223.4	30,000*	77.5	222.6	30,000*	79.2	220.8	30,000*	60
	65	74.5	222.0	30,000*	76.2	221.3	30,000*	77.8	219.5	30,000*	65
	70	73.1	220.5	30,000*	74.8	219.8	30,000*	76.5	218.0	30,000*	70
	80	70.4	217.1	29,000	72.1	216.4	30,000*	73.7	214.5	30,000*	80
	90	67.7	213.2	23,900	69.3	212.5	24,800	70.9	210.6	25,700	90
	100	64.9	208.7	19,900	66.5	208.0	20,700	68.1	206.0	21,400	100
	110	62.0	203.6	16,700	63.6	202.9	17,400	65.2	200.9	18,000	110
	120	59.0	197.9	14,000	60.7	197.1	14,700	62.2	195.1	15,200	120
	130	56.0	191.4	11,800	57.6	190.6	12,400	59.1	188.5	12,900	130
	140	52.8	184.2	10,000	54.4	183.3	10,400	55.8	181.1	10,900	140
	150	49.5	176.0	8,400	51.1	175.1	8,800	52.5	172.8	9,200	150
	160	46.0	166.8	7,000	47.6	165.8	7,300				160
	170	42.3	156.3	5,700	43.8	155.3	6,100				170
	180	38.3	144.4	4,700							180
<b>190</b>	45	80.2	236.9	30,000*							45
	50	78.9	235.9	30,000*	80.6	235.2	30,000*				50
	55	77.7	234.9	30,000*	79.3	234.1	30,000*	80.9	232.3	30,000*	55
	60	76.4	233.7	30,000*	78.0	232.9	30,000*	79.6	231.1	30,000*	60
	65	75.1	232.4	30,000*	76.8	231.6	30,000*	78.4	229.8	30,000*	65
	70	73.9	230.9	30,000*	75.5	230.2	30,000*	77.1	228.4	30,000*	70
	80	71.3	227.7	28,500	72.9	227.0	29,700	74.5	225.1	30,000*	80
	90	68.7	224.0	23,400	70.3	223.3	24,400	71.8	221.4	25,300	90
	100	66.0	219.8	19,400	67.6	219.0	20,200	69.1	217.1	21,000	100
	110	63.3	214.9	16,100	64.9	214.2	16,900	66.3	212.2	17,600	110
	120	60.5	209.5	13,500	62.1	208.7	14,200	63.5	206.7	14,800	120
	130	57.6	203.4	11,300	59.2	202.6	11,900	60.6	200.5	12,400	130
	140	54.6	196.6	9,400	56.2	195.8	10,000	57.6	193.6	10,400	140
	150	51.6	189.0	7,800	53.1	188.1	8,300	54.4	185.9	8,700	150
160	48.3	180.5	6,400	49.9	179.6	6,800	51.2	177.2	7,200	160	
170	44.9	170.9	5,200	46.4	169.9	5,600				170	
180	41.3	160.1	4,100	42.8	159.0	4,500				180	
<b>200</b>	45	80.6	247.0	30,000*							45
	50	79.4	246.1	30,000*	81.0	245.4	30,000*				50
	55	78.2	245.1	30,000*	79.8	244.4	30,000*	81.3	242.6	30,000*	55
	60	77.0	244.0	30,000*	78.5	243.2	30,000*	80.1	241.4	30,000*	60
	65	75.8	242.7	30,000*	77.3	242.0	30,000*	78.9	240.2	30,000*	65
	70	74.6	241.4	30,000*	76.1	240.6	30,000*	77.6	238.8	30,000*	70
	80	72.1	238.3	27,900	73.6	237.5	29,200	75.1	235.7	30,000*	80
	90	69.6	234.7	22,800	71.1	234.0	23,800	72.6	232.1	24,800	90
	100	67.1	230.7	18,800	68.6	229.9	19,700	70.0	228.0	20,500	100
	110	64.5	226.1	15,600	66.0	225.3	16,300	67.4	223.4	17,100	110
	120	61.8	221.0	12,900	63.3	220.2	13,600	64.7	218.2	14,300	120
	130	59.1	215.2	10,700	60.6	214.4	11,300	62.0	212.3	11,900	130
	140	56.3	208.8	8,800	57.8	208.0	9,400	59.1	205.8	9,900	140
	150	53.4	201.7	7,200	54.9	200.8	7,700	56.2	198.6	8,200	150
160	50.4	193.7	5,800	51.9	192.8	6,300	53.2	190.5	6,700	160	
170	47.3	184.9	4,600	48.7	183.9	5,000				170	

# LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

4000W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH OPEN THROAT TOP  
104,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

## 50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
110	35	79.8	167.7	20,000*							35
	40	78.0	166.7	20,000*	80.9	166.0	20,000*				40
	45	76.2	165.5	20,000*	79.1	164.8	20,000*				45
	50	74.4	164.1	20,000*	77.3	163.4	20,000*	80.2	161.6	20,000*	50
	55	72.5	162.6	20,000*	75.4	161.9	20,000*	78.3	160.0	20,000*	55
	60	70.7	160.9	20,000*	73.6	160.2	20,000*	76.4	158.3	20,000*	60
	65	68.8	159.0	20,000*	71.7	158.3	20,000*	74.5	156.4	20,000*	65
	70	66.9	156.9	20,000*	69.8	156.2	20,000*	72.6	154.3	20,000*	70
	80	63.0	152.1	20,000*	65.9	151.4	20,000*	68.6	149.4	20,000*	80
	90	59.0	146.5	20,000*	61.8	145.7	20,000*	64.5	143.6	20,000*	90
	100	54.8	139.8	20,000*	57.6	139.0	20,000*	60.2	136.8	20,000*	100
	110	50.3	132.1	20,000*	53.1	131.2	20,000*	55.7	128.8	20,000*	110
	120	45.6	122.9	18,000	48.3	121.9	18,400	50.8	119.4	18,800	120
	130	40.4	112.0	15,800	43.1	110.9	16,200				130
140	34.6	98.7	14,000							140	
120	35	80.4	177.9	20,000*							35
	40	78.7	176.9	20,000*							40
	45	77.0	175.8	20,000*	79.8	175.1	20,000*				45
	50	75.3	174.5	20,000*	78.0	173.8	20,000*	80.8	171.9	20,000*	50
	55	73.6	173.1	20,000*	76.3	172.4	20,000*	79.0	170.5	20,000*	55
	60	71.8	171.5	20,000*	74.6	170.8	20,000*	77.3	168.8	20,000*	60
	65	70.1	169.7	20,000*	72.8	169.0	20,000*	75.5	167.0	20,000*	65
	70	68.3	167.8	20,000*	71.0	167.0	20,000*	73.7	165.1	20,000*	70
	80	64.7	163.3	20,000*	67.4	162.6	20,000*	70.0	160.5	20,000*	80
	90	61.0	158.1	20,000*	63.7	157.3	20,000*	66.2	155.2	20,000*	90
	100	57.1	152.0	20,000*	59.8	151.2	20,000*	62.3	149.0	20,000*	100
	110	53.0	144.9	20,000*	55.7	144.0	20,000*	58.1	141.7	20,000*	110
	120	48.8	136.6	17,400	51.4	135.7	17,900	53.7	133.2	18,300	120
	130	44.2	127.0	15,200	46.7	126.0	15,600				130
140	39.1	115.5	13,300	41.7	114.4	13,600				140	
150	33.5	101.7	11,700							150	
130	35	80.9	188.0	20,000*							35
	40	79.3	187.1	20,000*							40
	45	77.7	186.1	20,000*	80.3	185.4	20,000*				45
	50	76.1	184.9	20,000*	78.7	184.1	20,000*	81.3	182.2	20,000*	50
	55	74.5	183.5	20,000*	77.1	182.8	20,000*	79.7	180.9	20,000*	55
	60	72.9	182.0	20,000*	75.5	181.3	20,000*	78.0	179.3	20,000*	60
	65	71.2	180.3	20,000*	73.8	179.6	20,000*	76.3	177.6	20,000*	65
	70	69.5	178.5	20,000*	72.1	177.8	20,000*	74.6	175.8	20,000*	70
	80	66.2	174.4	20,000*	68.7	173.6	20,000*	71.2	171.6	20,000*	80
	90	62.7	169.5	20,000*	65.2	168.7	20,000*	67.7	166.6	20,000*	90
	100	59.1	163.8	20,000*	61.6	163.0	20,000*	64.0	160.8	20,000*	100
	110	55.4	157.3	19,700	57.9	156.4	20,000*	60.2	154.1	20,000*	110
	120	51.5	149.7	17,000	53.9	148.8	17,600	56.2	146.4	18,000	120
	130	47.3	141.0	14,800	49.8	140.1	15,300	52.0	137.5	15,700	130
140	42.9	130.9	13,000	45.3	129.9	13,300				140	
150	38.0	119.0	11,400	40.4	117.8	11,700				150	
160	32.5	104.6	10,000							160	
140	35	81.4	198.2	20,000*							35
	40	79.9	197.3	20,000*							40
	45	78.4	196.3	20,000*	80.8	195.6	20,000*				45
	50	76.8	195.2	20,000*	79.3	194.4	20,000*				50
	55	75.3	193.9	20,000*	77.8	193.2	20,000*	80.2	191.2	20,000*	55
	60	73.8	192.5	20,000*	76.2	191.7	20,000*	78.7	189.8	20,000*	60
	65	72.2	190.9	20,000*	74.7	190.1	20,000*	77.1	188.2	20,000*	65
	70	70.7	189.2	20,000*	73.1	188.4	20,000*	75.5	186.4	20,000*	70
	80	67.5	185.3	20,000*	69.9	184.5	20,000*	72.3	182.4	20,000*	80
	90	64.2	180.7	20,000*	66.6	179.9	20,000*	69.0	177.8	20,000*	90
	100	60.9	175.4	20,000*	63.3	174.6	20,000*	65.5	172.4	20,000*	100
	110	57.4	169.3	19,100	59.8	168.5	19,700	62.0	166.2	20,000*	110
	120	53.8	162.4	16,400	56.2	161.5	17,000	58.3	159.1	17,500	120
	130	50.0	154.4	14,200	52.4	153.5	14,700	54.5	151.0	15,200	130
140	46.0	145.3	12,300	48.3	144.3	12,800	50.3	141.6	13,200	140	
150	41.7	134.7	10,700	44.0	133.6	11,100				150	
160	37.0	122.3	9,300							160	
170	31.7	107.5	8,100							170	

# LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

# 4000W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH OPEN THROAT TOP  
104,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

## 50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
<b>150</b>	40	80.4	207.5	20,000*							40
	45	78.9	206.5	20,000*	81.3	205.8	20,000*				45
	50	77.5	205.4	20,000*	79.9	204.7	20,000*				50
	55	76.0	204.2	20,000*	78.4	203.5	20,000*	80.7	201.5	20,000*	55
	60	74.6	202.9	20,000*	76.9	202.1	20,000*	79.2	200.1	20,000*	60
	65	73.1	201.4	20,000*	75.5	200.6	20,000*	77.8	198.6	20,000*	65
	70	71.6	199.8	20,000*	74.0	199.0	20,000*	76.2	197.0	20,000*	70
	80	68.6	196.1	20,000*	71.0	195.3	20,000*	73.2	193.2	20,000*	80
	90	65.6	191.8	20,000*	67.9	191.0	20,000*	70.1	188.9	20,000*	90
	100	62.4	186.8	20,000*	64.7	186.0	20,000*	66.9	183.8	20,000*	100
	110	59.2	181.1	18,500	61.5	180.3	19,200	63.6	178.0	19,900	110
	120	55.8	174.7	15,900	58.1	173.8	16,500	60.2	171.5	17,100	120
	130	52.3	167.3	13,700	54.6	166.4	14,200	56.6	164.0	14,700	130
	140	48.7	159.0	11,800	50.9	158.0	12,300	52.9	155.4	12,700	140
	150	44.8	149.4	10,200	47.0	148.4	10,600				150
160	40.6	138.4	8,800	42.7	137.3	9,200				160	
170	36.0	125.6	7,600							170	
180	30.8	110.2	6,500							180	
<b>160</b>	40	80.8	217.6	20,000*							40
	45	79.5	216.7	20,000*							45
	50	78.1	215.7	20,000*	80.3	214.9	20,000*				50
	55	76.7	214.5	20,000*	79.0	213.8	20,000*	81.2	211.8	20,000*	55
	60	75.3	213.3	20,000*	77.6	212.5	20,000*	79.8	210.5	20,000*	60
	65	73.9	211.9	20,000*	76.2	211.1	20,000*	78.4	209.0	20,000*	65
	70	72.5	210.3	20,000*	74.8	209.5	20,000*	76.9	207.5	20,000*	70
	80	69.7	206.8	20,000*	71.9	206.0	20,000*	74.0	203.9	20,000*	80
	90	66.8	202.7	20,000*	69.0	201.9	20,000*	71.1	199.8	20,000*	90
	100	63.8	198.1	20,000*	66.0	197.2	20,000*	68.1	195.1	20,000*	100
	110	60.8	192.7	17,900	63.0	191.9	18,700	65.0	189.6	19,400	110
	120	57.6	186.7	15,300	59.8	185.8	16,000	61.8	183.5	16,600	120
	130	54.4	179.9	13,100	56.5	178.9	13,700	58.5	176.5	14,200	130
	140	51.0	172.1	11,200	53.1	171.2	11,700	55.0	168.6	12,200	140
	150	47.4	163.4	9,600	49.5	162.4	10,000	51.4	159.7	10,400	150
160	43.7	153.5	8,200	45.7	152.4	8,600				160	
170	39.6	142.1	7,000	41.6	140.9	7,300				170	
180	35.1	128.8	5,900							180	
<b>170</b>	40	81.2	227.8	20,000*							40
	45	79.9	226.9	20,000*							45
	50	78.6	225.9	20,000*	80.8	225.1	20,000*				50
	55	77.3	224.8	20,000*	79.5	224.0	20,000*				55
	60	76.0	223.6	20,000*	78.1	222.8	20,000*	80.2	220.8	20,000*	60
	65	74.7	222.3	20,000*	76.8	221.5	20,000*	78.9	219.4	20,000*	65
	70	73.3	220.8	20,000*	75.5	220.0	20,000*	77.5	217.9	20,000*	70
	80	70.6	217.5	20,000*	72.8	216.7	20,000*	74.8	214.6	20,000*	80
	90	67.9	213.6	20,000*	70.0	212.8	20,000*	72.0	210.7	20,000*	90
	100	65.1	209.2	20,000*	67.2	208.4	20,000*	69.2	206.2	20,000*	100
	110	62.2	204.2	17,500	64.3	203.3	18,400	66.3	201.1	19,100	110
	120	59.3	198.5	14,900	61.3	197.6	15,600	63.3	195.3	16,300	120
	130	56.2	192.1	12,700	58.3	191.2	13,300	60.2	188.8	13,900	130
	140	53.1	184.9	10,800	55.1	183.9	11,400	56.9	181.4	11,900	140
	150	49.8	176.8	9,200	51.8	175.8	9,700	53.6	173.2	10,100	150
160	46.3	167.7	7,800	48.3	166.6	8,200				160	
170	42.6	157.4	6,600	44.6	156.2	7,000				170	
180	38.6	145.6	5,500	40.6	144.3	5,800				180	
190	34.3	131.9	4,500							190	

# LIFTCRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

# 4000W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH OPEN THROAT TOP  
104,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

## 50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
<b>180</b>	45	80.4	237.1	20,000*							45
	50	79.1	236.1	20,000*	81.2	235.3	20,000*				50
	55	77.9	235.1	20,000*	79.9	234.3	20,000*				55
	60	76.6	233.9	20,000*	78.7	233.1	20,000*	80.7	231.1	20,000*	60
	65	75.3	232.6	20,000*	77.4	231.8	20,000*	79.4	229.8	20,000*	65
	70	74.1	231.2	20,000*	76.1	230.4	20,000*	78.1	228.4	20,000*	70
	80	71.5	228.1	20,000*	73.5	227.3	20,000*	75.5	225.1	20,000*	80
	90	68.9	224.4	20,000*	70.9	223.6	20,000*	72.8	221.4	20,000*	90
	100	66.2	220.2	20,000*	68.2	219.4	20,000*	70.1	217.2	20,000*	100
	110	63.5	215.4	17,000	65.5	214.6	17,900	67.4	212.3	18,700	110
	120	60.7	210.1	14,400	62.7	209.2	15,100	64.6	206.9	15,800	120
	130	57.9	204.0	12,100	59.8	203.1	12,800	61.6	200.8	13,400	130
	140	54.9	197.3	10,300	56.9	196.4	10,900	58.6	193.9	11,400	140
	150	51.8	189.8	8,700	53.8	188.8	9,200	55.5	186.2	9,700	150
	160	48.6	181.3	7,300	50.5	180.3	7,700	52.2	177.6	8,200	160
	170	45.2	171.9	6,000	47.1	170.8	6,500				170
	180	41.6	161.2	4,900	43.5	160.0	5,300				180
	190	37.8	149.0	4,000							190
<b>190</b>	45	80.8	247.2	20,000*							45
	50	79.6	246.3	20,000*							50
	55	78.4	245.3	20,000*	80.3	244.5	20,000*				55
	60	77.2	244.2	20,000*	79.1	243.4	20,000*	81.1	241.3	20,000*	60
	65	76.0	243.0	20,000*	77.9	242.2	20,000*	79.8	240.1	20,000*	65
	70	74.7	241.6	20,000*	76.7	240.8	20,000*	78.6	238.7	20,000*	70
	80	72.3	238.6	20,000*	74.2	237.8	20,000*	76.1	235.7	20,000*	80
	90	69.8	235.1	20,000*	71.7	234.3	20,000*	73.6	232.1	20,000*	90
	100	67.3	231.1	19,700	69.2	230.3	20,000*	71.0	228.1	20,000*	100
	110	64.7	226.6	16,500	66.6	225.7	17,400	68.4	223.5	18,300	110
	120	62.0	221.5	13,800	63.9	220.6	14,600	65.7	218.3	15,400	120
	130	59.3	215.8	11,600	61.2	214.9	12,300	63.0	212.5	13,000	130
	140	56.5	209.4	9,700	58.4	208.5	10,400	60.1	206.1	11,000	140
	150	53.7	202.4	8,100	55.5	201.4	8,700	57.2	198.9	9,200	150
	160	50.7	194.5	6,700	52.5	193.5	7,200	54.2	190.9	7,700	160
	170	47.5	185.8	5,500	49.4	184.7	6,000	51.0	181.9	6,400	170
	180	44.2	176.0	4,400	46.1	174.8	4,800				180



# LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

# 4000W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH OPEN THROAT TOP  
104,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

## 60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
<b>110</b>	35	80.1	177.9	10,000*							35
	40	78.4	176.9	10,000*							40
	45	76.7	175.8	10,000*	80.0	175.2	10,000*				45
	50	75.0	174.5	10,000*	78.3	173.9	10,000*				50
	55	73.3	173.1	10,000*	76.6	172.4	10,000*	79.9	170.5	10,000*	55
	60	71.5	171.5	10,000*	74.9	170.8	10,000*	78.2	168.8	10,000*	60
	65	69.8	169.7	10,000*	73.1	169.1	10,000*	76.4	167.0	10,000*	65
	70	68.0	167.8	10,000*	71.3	167.1	10,000*	74.6	165.1	10,000*	70
	80	64.4	163.3	10,000*	67.7	162.6	10,000*	70.9	160.5	10,000*	80
	90	60.7	158.1	10,000*	63.9	157.4	10,000*	67.1	155.2	10,000*	90
	100	56.8	152.0	10,000*	60.1	151.2	10,000*	63.2	149.0	10,000*	100
	110	52.8	144.9	10,000*	56.0	144.1	10,000*	59.0	141.7	10,000*	110
	120	48.5	136.6	10,000*	51.7	135.8	10,000*	54.6	133.2	10,000*	120
	130	43.9	127.0	10,000*	47.0	126.1	10,000*				130
	140	38.9	115.6	10,000*	42.0	114.5	10,000*				140
150	33.2	101.7	10,000*							150	
<b>120</b>	35	80.6	188.1	10,000*							35
	40	79.0	187.1	10,000*							40
	45	77.4	186.1	10,000*	80.6	185.4	10,000*				45
	50	75.8	184.9	10,000*	79.0	184.2	10,000*				50
	55	74.2	183.5	10,000*	77.4	182.9	10,000*	80.5	180.8	10,000*	55
	60	72.6	182.0	10,000*	75.7	181.3	10,000*	78.9	179.3	10,000*	60
	65	70.9	180.4	10,000*	74.1	179.7	10,000*	77.2	177.6	10,000*	65
	70	69.3	178.5	10,000*	72.4	177.8	10,000*	75.5	175.8	10,000*	70
	80	65.9	174.4	10,000*	69.0	173.7	10,000*	72.1	171.5	10,000*	80
	90	62.4	169.5	10,000*	65.5	168.8	10,000*	68.5	166.6	10,000*	90
	100	58.8	163.8	10,000*	61.9	163.1	10,000*	64.9	160.8	10,000*	100
	110	55.1	157.3	10,000*	58.2	156.5	10,000*	61.1	154.1	10,000*	110
	120	51.2	149.8	10,000*	54.2	148.9	10,000*	57.1	146.4	10,000*	120
	130	47.0	141.0	10,000*	50.1	140.2	10,000*	52.8	137.5	10,000*	130
	140	42.6	130.9	10,000*	45.6	130.0	10,000*				140
150	37.7	119.0	10,000*	40.7	117.9	10,000*				150	
160	32.3	104.6	10,000*							160	
<b>130</b>	35	81.1	198.2	10,000*							35
	40	79.6	197.3	10,000*							40
	45	78.1	196.3	10,000*							45
	50	76.6	195.2	10,000*	79.6	194.5	10,000*				50
	55	75.1	193.9	10,000*	78.0	193.2	10,000*	81.0	191.1	10,000*	55
	60	73.5	192.5	10,000*	76.5	191.8	10,000*	79.5	189.7	10,000*	60
	65	72.0	190.9	10,000*	74.9	190.2	10,000*	77.9	188.1	10,000*	65
	70	70.4	189.2	10,000*	73.4	188.5	10,000*	76.3	186.4	10,000*	70
	80	67.2	185.3	10,000*	70.2	184.6	10,000*	73.1	182.4	10,000*	80
	90	64.0	180.7	10,000*	66.9	180.0	10,000*	69.8	177.7	10,000*	90
	100	60.6	175.4	10,000*	63.5	174.7	10,000*	66.4	172.4	10,000*	100
	110	57.1	169.4	10,000*	60.0	168.6	10,000*	62.8	166.2	10,000*	110
	120	53.5	162.4	10,000*	56.4	161.6	10,000*	59.1	159.1	10,000*	120
	130	49.8	154.4	10,000*	52.6	153.6	10,000*	55.3	150.9	10,000*	130
	140	45.7	145.3	10,000*	48.6	144.4	10,000*	51.1	141.6	10,000*	140
150	41.4	134.7	10,000*	44.2	133.7	10,000*				150	
160	36.7	122.4	10,000*							160	
170	31.4	107.5	8,900							170	

# LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

# 4000W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH OPEN THROAT TOP  
104,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

## 60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
<b>140</b>	40	80.1	207.5	10,000*							40
	45	78.7	206.5	10,000*							45
	50	77.3	205.5	10,000*	80.1	204.8	10,000*				50
	55	75.8	204.2	10,000*	78.6	203.5	10,000*				55
	60	74.3	202.9	10,000*	77.2	202.2	10,000*	80.0	200.1	10,000*	60
	65	72.9	201.4	10,000*	75.7	200.7	10,000*	78.5	198.6	10,000*	65
	70	71.4	199.8	10,000*	74.2	199.1	10,000*	77.0	196.9	10,000*	70
	80	68.4	196.1	10,000*	71.2	195.4	10,000*	74.0	193.2	10,000*	80
	90	65.3	191.8	10,000*	68.1	191.0	10,000*	70.9	188.8	10,000*	90
	100	62.2	186.8	10,000*	65.0	186.1	10,000*	67.7	183.7	10,000*	100
	110	58.9	181.2	10,000*	61.7	180.4	10,000*	64.4	178.0	10,000*	110
	120	55.6	174.7	10,000*	58.3	173.9	10,000*	60.9	171.4	10,000*	120
	130	52.1	167.4	10,000*	54.8	166.5	10,000*	57.4	163.9	10,000*	130
	140	48.4	159.0	10,000*	51.1	158.1	10,000*	53.6	155.3	10,000*	140
	150	44.5	149.5	10,000*	47.2	148.5	10,000*				150
	160	40.4	138.5	9,500	43.0	137.4	9,900				160
	170	35.8	125.6	8,300							170
	180	30.6	110.2	7,200							180
<b>150</b>	40	80.6	217.6	10,000*							40
	45	79.2	216.7	10,000*							45
	50	77.9	215.7	10,000*	80.6	215.0	10,000*				50
	55	76.5	214.6	10,000*	79.2	213.8	10,000*				55
	60	75.1	213.3	10,000*	77.8	212.6	10,000*	80.5	210.4	10,000*	60
	65	73.7	211.9	10,000*	76.4	211.1	10,000*	79.1	209.0	10,000*	65
	70	72.3	210.3	10,000*	75.0	209.6	10,000*	77.7	207.4	10,000*	70
	80	69.5	206.8	10,000*	72.1	206.1	10,000*	74.8	203.9	10,000*	80
	90	66.6	202.8	10,000*	69.2	202.0	10,000*	71.8	199.7	10,000*	90
	100	63.6	198.1	10,000*	66.3	197.3	10,000*	68.8	195.0	10,000*	100
	110	60.6	192.8	10,000*	63.2	192.0	10,000*	65.7	189.6	10,000*	110
	120	57.4	186.7	10,000*	60.0	185.9	10,000*	62.5	183.4	10,000*	120
	130	54.2	179.9	10,000*	56.8	179.0	10,000*	59.2	176.4	10,000*	130
	140	50.8	172.2	10,000*	53.4	171.3	10,000*	55.8	168.5	10,000*	140
	150	47.2	163.4	10,000*	49.8	162.5	10,000*	52.1	159.6	10,000*	150
	160	43.4	153.5	9,000	46.0	152.5	9,400				160
	170	39.4	142.1	7,800	41.9	141.0	8,100				170
	180	34.9	128.8	6,700							180
<b>160</b>	40	81.0	227.8	10,000*							40
	45	79.7	226.9	10,000*							45
	50	78.4	225.9	10,000*	81.0	225.2	10,000*				50
	55	77.1	224.8	10,000*	79.7	224.1	10,000*				55
	60	75.8	223.6	10,000*	78.4	222.9	10,000*	80.9	220.7	10,000*	60
	65	74.5	222.3	10,000*	77.0	221.5	10,000*	79.6	219.3	10,000*	65
	70	73.1	220.8	10,000*	75.7	220.1	10,000*	78.2	217.9	10,000*	70
	80	70.4	217.5	10,000*	73.0	216.7	10,000*	75.5	214.5	10,000*	80
	90	67.7	213.6	10,000*	70.2	212.9	10,000*	72.7	210.6	10,000*	90
	100	64.9	209.2	10,000*	67.4	208.4	10,000*	69.9	206.1	10,000*	100
	110	62.0	204.2	10,000*	64.5	203.4	10,000*	67.0	201.0	10,000*	110
	120	59.0	198.5	10,000*	61.6	197.7	10,000*	64.0	195.2	10,000*	120
	130	56.0	192.1	10,000*	58.5	191.2	10,000*	60.9	188.7	10,000*	130
	140	52.8	184.9	10,000*	55.3	184.0	10,000*	57.6	181.3	10,000*	140
	150	49.5	176.8	9,800	52.0	175.9	10,000*	54.3	173.1	10,000*	150
	160	46.1	167.7	8,400	48.5	166.7	8,900	50.7	163.8	9,300	160
	170	42.4	157.4	7,100	44.8	156.3	7,600				170
	180	38.4	145.6	6,100	40.8	144.4	6,400				180
190	34.1	131.9	5,100							190	

# LIFTCRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

# 4000W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH OPEN THROAT TOP  
104,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

## 60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
<b>170</b>	45	80.2	237.1	10,000*							45
	50	78.9	236.1	10,000*							50
	55	77.7	235.1	10,000*	80.1	234.3	10,000*				55
	60	76.4	233.9	10,000*	78.9	233.2	10,000*				60
	65	75.1	232.6	10,000*	77.6	231.9	10,000*	80.1	229.7	10,000*	65
	70	73.9	231.2	10,000*	76.3	230.5	10,000*	78.8	228.3	10,000*	70
	80	71.3	228.1	10,000*	73.7	227.3	10,000*	76.2	225.0	10,000*	80
	90	68.7	224.4	10,000*	71.1	223.6	10,000*	73.5	221.3	10,000*	90
	100	66.0	220.2	10,000*	68.4	219.4	10,000*	70.8	217.1	10,000*	100
	110	63.3	215.4	10,000*	65.7	214.6	10,000*	68.1	212.2	10,000*	110
	120	60.5	210.1	10,000*	62.9	209.2	10,000*	65.2	206.8	10,000*	120
	130	57.6	204.1	10,000*	60.0	203.2	10,000*	62.3	200.6	10,000*	130
	140	54.7	197.3	10,000*	57.1	196.4	10,000*	59.3	193.8	10,000*	140
	150	51.6	189.8	9,400	54.0	188.9	10,000*	56.2	186.1	10,000*	150
	160	48.4	181.4	8,000	50.8	180.4	8,500	52.9	177.5	9,000	160
	170	45.0	171.9	6,800	47.4	170.9	7,200				170
	180	41.4	161.2	5,700	43.7	160.1	6,100				180
	190	37.6	149.0	4,700							190
	<b>180</b>	45	80.6	247.2	10,000*						
50		79.4	246.3	10,000*							50
55		78.2	245.3	10,000*	80.5	244.6	10,000*				55
60		77.0	244.2	10,000*	79.3	243.5	10,000*				60
65		75.8	243.0	10,000*	78.1	242.2	10,000*	80.5	240.0	10,000*	65
70		74.5	241.6	10,000*	76.9	240.9	10,000*	79.3	238.6	10,000*	70
80		72.1	238.6	10,000*	74.4	237.9	10,000*	76.8	235.6	10,000*	80
90		69.6	235.1	10,000*	71.9	234.3	10,000*	74.2	232.0	10,000*	90
100		67.1	231.1	10,000*	69.4	230.3	10,000*	71.7	228.0	10,000*	100
110		64.5	226.6	10,000*	66.8	225.8	10,000*	69.0	223.4	10,000*	110
120		61.8	221.5	10,000*	64.1	220.7	10,000*	66.4	218.2	10,000*	120
130		59.1	215.8	10,000*	61.4	215.0	10,000*	63.6	212.4	10,000*	130
140		56.3	209.5	10,000*	58.6	208.6	10,000*	60.8	206.0	10,000*	140
150		53.5	202.4	8,800	55.7	201.5	9,500	57.8	198.8	10,000*	150
160		50.5	194.5	7,400	52.7	193.6	8,000	54.8	190.8	8,500	160
170		47.3	185.8	6,200	49.6	184.8	6,700	51.6	181.8	7,200	170
180		44.0	176.0	5,100	46.3	174.9	5,600				180
190		40.5	164.9	4,200	42.7	163.8	4,600				190
<b>190</b>		45	80.9	257.3	10,000*						
	50	79.8	256.5	10,000*							50
	55	78.6	255.5	10,000*	80.9	254.8	10,000*				55
	60	77.5	254.5	10,000*	79.8	253.7	10,000*				60
	65	76.3	253.3	10,000*	78.6	252.5	10,000*	80.9	250.3	10,000*	65
	70	75.2	252.0	10,000*	77.4	251.2	10,000*	79.7	249.0	10,000*	70
	80	72.8	249.1	10,000*	75.1	248.3	10,000*	77.3	246.0	10,000*	80
	90	70.4	245.8	10,000*	72.7	245.0	10,000*	74.9	242.6	10,000*	90
	100	68.0	242.0	10,000*	70.3	241.2	10,000*	72.4	238.8	10,000*	100
	110	65.5	237.6	10,000*	67.8	236.8	10,000*	70.0	234.4	10,000*	110
	120	63.0	232.8	10,000*	65.3	232.0	10,000*	67.4	229.5	10,000*	120
	130	60.5	227.4	10,000*	62.7	226.5	10,000*	64.8	224.0	10,000*	130
	140	57.8	221.4	9,900	60.0	220.5	10,000*	62.1	217.9	10,000*	140
	150	55.1	214.7	8,300	57.3	213.8	9,000	59.4	211.1	9,600	150
	160	52.3	207.4	6,900	54.5	206.4	7,500	56.5	203.6	8,100	160
	170	49.4	199.2	5,700	51.6	198.2	6,200	53.5	195.3	6,700	170
	180	46.3	190.1	4,600	48.5	189.1	5,100	50.4	186.0	5,500	180
	190				45.2	178.9	4,100				190

# LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

4000W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH OPEN THROAT TOP  
OFFSET 4-1/2 DEGREES  
104,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

CHART SUPPLEMENTS BOOM CAPACITY CHART NO. 6274-C. CAPACITIES FOR VARIOUS BOOM LENGTHS, JIB LENGTHS AND JIB 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 AN ASTERISK (\*).

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.

MACHINE TO OPERATE IN A LEVEL POSITION ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH CRAWLERS FULLY EXTENDED AND GANTRY UP. REFER TO BOOM RIGGING NO. 48168, JIB ASSEMBLY NO. 43730 AND WIRE ROPE SPECIFICATION CHART NO. 6664-A. 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.

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 BOOM BUTT AND INSERTS AND IS AN INDICATION OF OPERATING RADIUS. IN ALL CASES, OPERATING RADIUS SHALL GOVERN CAPACITY. JIB POINT ELEVATION IS VERTICAL DISTANCE FROM GROUND LEVEL TO CENTERLINE OF JIB POINT SHAFT.

MACHINE EQUIPPED WITH 24' EXTENDIBLE CRAWLERS, 48" TREADS, 15' RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 1-3/8" BOOM PENDANTS, 1ST COUNTERWEIGHT = 40,100 LBS., 2ND COUNTERWEIGHT = 35,800 LBS., 3RD COUNTERWEIGHT = 28,500 LBS.

MAXIMUM CAPACITY ON 1-1/8" - 6 X 25 IPS, IWRC IS 28,300 LBS. PER LINE.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED			
OVER END OF BLOCKED CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS	
BM. LGTH.	JIB NO. 123	BM. LGTH.	JIB NO. 123
220'	---	200'	---
210'	---	190'	---
200'	40'	180'	50'
190'	60'	170'	60'

LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START.

## 30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
<b>110</b>	35	80.1	147.3	40,000*							35
	40	78.0	146.1	40,000*	80.0	145.4	40,000*				40
	45	76.0	144.7	40,000*	77.9	144.0	40,000*	79.8	142.5	40,000*	45
	50	73.9	143.1	40,000*	75.8	142.4	40,000*	77.7	140.9	40,000*	50
	55	71.7	141.3	40,000*	73.7	140.5	40,000*	75.6	139.0	40,000*	55
	60	69.6	139.2	40,000*	71.5	138.5	40,000*	73.4	137.0	40,000*	60
	65	67.4	137.0	40,000*	69.3	136.3	40,000*	71.1	134.7	40,000*	65
	70	65.2	134.5	39,100	67.1	133.8	39,800	68.9	132.2	40,000*	70
	80	60.6	128.8	32,400	62.5	128.0	32,900	64.2	126.3	33,400	80
	90	55.7	121.9	27,300	57.6	121.1	27,700	59.2	119.3	28,100	90
100	50.6	113.6	23,300	52.4	112.8	23,600				100	
110	44.9	103.7	20,100	46.7	102.7	20,400				110	
120	38.6	91.4	17,500							120	
<b>120</b>	35	80.7	157.5	40,000*							35
	40	78.8	156.4	40,000*	80.7	155.7	40,000*				40
	45	76.9	155.1	40,000*	78.8	154.4	40,000*	80.5	152.9	40,000*	45
	50	75.0	153.6	40,000*	76.8	152.9	40,000*	78.6	151.3	40,000*	50
	55	73.0	151.9	40,000*	74.8	151.2	40,000*	76.6	149.6	40,000*	55
	60	71.0	150.0	40,000*	72.8	149.3	40,000*	74.5	147.7	40,000*	60
	65	69.0	148.0	40,000*	70.8	147.2	40,000*	72.5	145.6	40,000*	65
	70	66.9	145.7	38,500	68.7	144.9	39,200	70.4	143.3	39,900	70
	80	62.7	140.4	31,700	64.5	139.6	32,300	66.1	138.0	32,800	80
	90	58.3	134.2	26,600	60.1	133.4	27,100	61.6	131.6	27,500	90
100	53.7	126.8	22,600	55.4	125.9	23,000	56.9	124.0	23,400	100	
110	48.7	118.0	19,400	50.4	117.0	19,800				110	
120	43.3	107.4	16,800							120	
130	37.2	94.5	14,600							130	

# LIFTCRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

# 4000W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH OPEN THROAT TOP  
OFFSET 4-1/2 DEGREES  
104,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

## 30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
<b>130</b>	40	79.5	166.6	40,000*							40
	45	77.7	165.4	40,000*	79.5	164.7	40,000*				45
	50	75.9	164.0	40,000*	77.6	163.3	40,000*	79.3	161.8	40,000*	50
	55	74.1	162.5	40,000*	75.8	161.7	40,000*	77.4	160.2	40,000*	55
	60	72.2	160.7	40,000*	73.9	160.0	40,000*	75.5	158.4	40,000*	60
	65	70.3	158.8	40,000*	72.0	158.0	40,000*	73.6	156.4	40,000*	65
	70	68.4	156.7	38,200	70.1	155.9	38,900	71.7	154.3	39,600	70
	80	64.5	151.8	31,400	66.2	151.0	32,000	67.8	149.4	32,600	80
	90	60.5	146.1	26,300	62.2	145.3	26,800	63.6	143.5	27,300	90
	100	56.3	139.4	22,300	57.9	138.5	22,700	59.3	136.7	23,100	100
	110	51.8	131.5	19,100	53.4	130.5	19,500	54.8	128.6	19,800	110
	120	47.0	122.2	16,500	48.6	121.2	16,800				120
	130	41.8	111.1	14,300							130
<b>140</b>	40	80.1	176.9	40,000*							40
	45	78.5	175.7	40,000*	80.1	175.0	40,000*				45
	50	76.7	174.4	40,000*	78.4	173.7	40,000*	79.9	172.1	40,000*	50
	55	75.0	172.9	40,000*	76.6	172.2	40,000*	78.2	170.6	40,000*	55
	60	73.3	171.3	40,000*	74.9	170.6	40,000*	76.4	169.0	40,000*	60
	65	71.5	169.5	40,000*	73.1	168.8	40,000*	74.7	167.1	40,000*	65
	70	69.8	167.5	37,600	71.4	166.8	38,400	72.9	165.1	39,100	70
	80	66.1	163.0	30,800	67.7	162.2	31,500	69.2	160.6	32,100	80
	90	62.4	157.7	25,700	64.0	156.9	26,200	65.4	155.2	26,700	90
	100	58.5	151.5	21,700	60.1	150.7	22,200	61.4	148.9	22,600	100
	110	54.5	144.3	18,500	56.0	143.4	18,900	57.3	141.5	19,200	110
	120	50.1	136.0	15,800	51.6	135.0	16,200				120
	130	45.5	126.2	13,700	47.0	125.1	13,900				130
140	40.5	114.6	11,800							140	
<b>150</b>	40	80.7	187.1	40,000*							40
	45	79.1	186.0	40,000*	80.6	185.2	40,000*				45
	50	77.5	184.8	40,000*	79.0	184.0	40,000*	80.5	182.4	40,000*	50
	55	75.9	183.4	40,000*	77.4	182.6	40,000*	78.9	181.0	40,000*	55
	60	74.2	181.8	40,000*	75.8	181.1	40,000*	77.2	179.5	40,000*	60
	65	72.6	180.2	40,000*	74.1	179.4	40,000*	75.5	177.8	40,000*	65
	70	70.9	178.3	37,100	72.4	177.5	37,900	73.9	175.9	38,700	70
	80	67.5	174.1	30,300	69.0	173.3	31,000	70.4	171.6	31,600	80
	90	64.1	169.1	25,100	65.5	168.3	25,700	66.9	166.6	26,300	90
	100	60.5	163.4	21,200	61.9	162.5	21,700	63.2	160.8	22,100	100
	110	56.7	156.8	17,900	58.2	155.9	18,400	59.4	154.0	18,800	110
	120	52.8	149.1	15,300	54.2	148.2	15,700	55.4	146.2	16,000	120
	130	48.6	140.3	13,100	50.0	139.3	13,400				130
140	44.2	130.1	11,300							140	
150	39.3	118.0	9,700							150	
<b>160</b>	45	79.7	196.2	40,000*							45
	50	78.1	195.1	40,000*	79.6	194.3	40,000*	81.0	192.7	40,000*	50
	55	76.6	193.8	40,000*	78.1	193.0	40,000*	79.5	191.4	40,000*	55
	60	75.1	192.3	40,000*	76.5	191.5	40,000*	77.9	189.9	40,000*	60
	65	73.5	190.7	40,000*	75.0	189.9	40,000*	76.3	188.3	40,000*	65
	70	72.0	189.0	36,500	73.4	188.2	37,400	74.7	186.5	38,200	70
	80	68.8	185.0	29,700	70.2	184.2	30,400	71.5	182.5	31,100	80
	90	65.5	180.4	24,500	66.9	179.5	25,200	68.2	177.8	25,800	90
	100	62.2	175.0	20,500	63.5	174.2	21,100	64.8	172.4	21,600	100
	110	58.7	168.9	17,300	60.1	168.0	17,800	61.3	166.1	18,200	110
	120	55.1	161.8	14,700	56.4	160.9	15,100	57.6	159.0	15,500	120
	130	51.3	153.8	12,500	52.6	152.8	12,800				130
	140	47.2	144.6	10,600	48.5	143.5	10,900				140
150	42.9	133.9	9,000							150	
160	38.1	121.3	7,600							160	

# LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

4000W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH OPEN THROAT TOP  
OFFSET 4-1/2 DEGREES  
104,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

## 30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
170	45	80.2	206.5	40,000*							45
	50	78.7	205.3	40,000*	80.1	204.6	40,000*				50
	55	77.3	204.1	40,000*	78.7	203.3	40,000*	80.0	201.7	40,000*	55
	60	75.8	202.7	40,000*	77.2	202.0	40,000*	78.5	200.3	40,000*	60
	65	74.4	201.2	40,000*	75.7	200.4	40,000*	77.0	198.8	40,000*	65
	70	72.9	199.6	36,100	74.3	198.8	37,000	75.5	197.1	37,900	70
	80	69.9	195.8	29,300	71.2	195.0	30,100	72.5	193.3	30,800	80
	90	66.8	191.5	24,200	68.1	190.6	24,800	69.4	188.9	25,500	90
	100	63.7	186.5	20,200	65.0	185.6	20,800	66.2	183.8	21,300	100
	110	60.4	180.7	17,000	61.7	179.8	17,500	62.9	178.0	17,900	110
	120	57.0	174.2	14,300	58.3	173.3	14,800	59.5	171.4	15,200	120
	130	53.5	166.8	12,100	54.8	165.8	12,500				130
	140	49.9	158.3	10,300	51.1	157.3	10,600				140
	150	45.9	148.6	8,700	47.2	147.6	9,000				150
	160	41.7	137.5	7,300							160
	170	37.1	124.5	6,100							170
	180	45	80.6	216.6	40,000*						
50		79.3	215.6	40,000*	80.6	214.8	40,000*				50
55		77.9	214.4	40,000*	79.2	213.6	40,000*	80.5	212.0	40,000*	55
60		76.5	213.1	40,000*	77.8	212.3	40,000*	79.1	210.7	40,000*	60
65		75.1	211.7	39,900	76.4	210.9	40,000*	77.7	209.2	40,000*	65
70		73.7	210.1	35,600	75.0	209.3	36,600	76.3	207.7	37,500	70
80		70.9	206.6	28,800	72.2	205.8	29,600	73.4	204.1	30,400	80
90		68.0	202.5	23,600	69.3	201.6	24,400	70.4	199.9	25,000	90
100		65.0	197.7	19,600	66.3	196.9	20,200	67.4	195.1	20,800	100
110		61.9	192.3	16,400	63.2	191.5	17,000	64.3	189.6	17,400	110
120		58.8	186.2	13,800	60.0	185.3	14,300	61.1	183.4	14,700	120
130		55.5	179.3	11,600	56.8	178.4	12,000	57.8	176.4	12,400	130
140		52.1	171.5	9,700	53.3	170.5	10,100				140
150	48.6	162.7	8,100	49.7	161.6	8,400				150	
160	44.8	152.6	6,700	45.9	151.5	7,000				160	
170	40.7	141.1	5,500							170	
180	36.2	127.6	4,400							180	
190	50	79.8	225.8	40,000*	81.0	225.0	40,000*				50
	55	78.5	224.7	40,000*	79.7	223.9	40,000*	80.9	222.3	40,000*	55
	60	77.1	223.5	40,000*	78.4	222.7	40,000*	79.6	221.0	40,000*	60
	65	75.8	222.1	39,400	77.1	221.3	40,000*	78.3	219.6	40,000*	65
	70	74.5	220.6	35,100	75.7	219.8	36,100	76.9	218.1	37,100	70
	80	71.8	217.2	28,300	73.0	216.4	29,100	74.2	214.7	30,000	80
	90	69.0	213.3	23,100	70.2	212.5	23,900	71.4	210.8	24,600	90
	100	66.2	208.9	19,100	67.4	208.0	19,800	68.5	206.2	20,400	100
	110	63.3	203.8	15,900	64.5	202.9	16,500	65.6	201.1	17,000	110
	120	60.4	198.0	13,300	61.6	197.1	13,800	62.6	195.3	14,200	120
	130	57.3	191.6	11,100	58.5	190.6	11,500	59.5	188.7	11,900	130
	140	54.2	184.3	9,200	55.3	183.3	9,600	56.3	181.3	9,900	140
	150	50.8	176.1	7,600	52.0	175.1	7,900				150
160	47.4	166.9	6,200	48.5	165.8	6,500				160	
170	43.7	156.5	5,000							170	
200	50	80.2	236.0	40,000*							50
	55	79.0	235.0	40,000*	80.2	234.2	40,000*				55
	60	77.7	233.8	40,000*	78.9	233.0	40,000*	80.1	231.3	40,000*	60
	65	76.4	232.5	38,800	77.6	231.7	40,000*	78.8	230.0	40,000*	65
	70	75.2	231.1	34,500	76.4	230.2	35,600	77.5	228.6	36,600	70
	80	72.6	227.9	27,700	73.8	227.0	28,600	74.9	225.3	29,500	80
	90	70.0	224.1	22,500	71.1	223.3	23,300	72.2	221.6	24,100	90
	100	67.3	219.9	18,500	68.5	219.0	19,200	69.5	217.3	19,800	100
	110	64.6	215.1	15,300	65.7	214.2	15,900	66.8	212.4	16,500	110
	120	61.8	209.6	12,700	62.9	208.7	13,200	64.0	206.9	13,700	120
	130	58.9	203.6	10,400	60.0	202.6	10,900	61.0	200.7	11,300	130
	140	55.9	196.8	8,600	57.1	195.8	9,000	58.0	193.8	9,400	140
	150	52.9	189.2	7,000	54.0	188.1	7,300				150
160	49.6	180.6	5,600	50.7	179.6	5,900				160	
170	46.2	171.1	4,400	47.3	170.0	4,700				170	

# LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

4000W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH OPEN THROAT TOP  
OFFSET 4-1/2 DEGREES  
104,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

## 40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
110	40	79.3	156.3	30,000*							40
	45	77.4	155.0	30,000*	79.9	154.2	30,000*				45
	50	75.5	153.6	30,000*	77.9	152.7	30,000*	80.3	150.7	30,000*	50
	55	73.5	151.9	30,000*	75.9	151.0	30,000*	78.3	149.0	30,000*	55
	60	71.5	150.0	30,000*	73.9	149.1	30,000*	76.3	147.1	30,000*	60
	65	69.5	147.9	30,000*	71.9	147.0	30,000*	74.2	145.0	30,000*	65
	70	67.4	145.6	30,000*	69.8	144.7	30,000*	72.1	142.7	30,000*	70
	80	63.2	140.4	30,000*	65.6	139.4	30,000*	67.8	137.3	30,000*	80
	90	58.8	134.1	27,600	61.2	133.1	28,100	63.3	130.9	28,500*	90
	100	54.2	126.7	23,600	56.5	125.6	24,000	58.5	123.3	24,500	100
	110	49.2	118.0	20,400	51.5	116.8	20,800				110
	120	43.8	107.4	17,700							120
	130	37.7	94.5	15,600							130
120	40	80.0	166.6	30,000*							40
	45	78.2	165.4	30,000*	80.5	164.5	30,000*				45
	50	76.4	164.0	30,000*	78.7	163.1	30,000*	80.9	161.1	30,000*	50
	55	74.5	162.4	30,000*	76.8	161.5	30,000*	79.1	159.5	30,000*	55
	60	72.7	160.7	30,000*	75.0	159.7	30,000*	77.2	157.8	30,000*	60
	65	70.8	158.8	30,000*	73.1	157.8	30,000*	75.3	155.8	30,000*	65
	70	68.9	156.6	30,000*	71.2	155.7	30,000*	73.3	153.6	30,000*	70
	80	65.0	151.8	30,000*	67.3	150.8	30,000*	69.4	148.7	30,000*	80
	90	61.0	146.1	26,900	63.2	145.0	27,500	65.2	142.8	28,100	90
	100	56.8	139.3	22,900	58.9	138.2	23,400	60.9	135.9	23,900	100
	110	52.3	131.4	19,700	54.4	130.3	20,100				110
	120	47.5	122.1	17,100	49.6	120.9	17,400				120
	130	42.3	111.0	14,900							130
140	36.4	97.5	13,000							140	
130	40	80.6	176.8	30,000*							40
	45	78.9	175.7	30,000*							45
	50	77.2	174.4	30,000*	79.4	173.4	30,000*				50
	55	75.5	172.9	30,000*	77.6	172.0	30,000*	79.7	170.0	30,000*	55
	60	73.7	171.3	30,000*	75.9	170.3	30,000*	78.0	168.3	30,000*	60
	65	72.0	169.5	30,000*	74.1	168.5	30,000*	76.2	166.5	30,000*	65
	70	70.2	167.5	30,000*	72.3	166.5	30,000*	74.4	164.4	30,000*	70
	80	66.6	163.0	30,000*	68.7	162.0	30,000*	70.7	159.8	30,000*	80
	90	62.8	157.7	26,600	64.9	156.6	27,200	66.9	154.4	27,900	90
	100	59.0	151.5	22,600	61.0	150.4	23,100	62.9	148.1	23,700	100
	110	54.9	144.3	19,400	56.9	143.1	19,900	58.7	140.7	20,300	110
	120	50.6	135.9	16,700	52.6	134.7	17,200				120
	130	46.0	126.1	14,600	47.9	124.8	14,900				130
140	40.9	114.5	12,700							140	
140	45	79.5	186.0	30,000*							45
	50	77.9	184.7	30,000*	80.0	183.8	30,000*				50
	55	76.3	183.3	30,000*	78.3	182.4	30,000*	80.3	180.3	30,000*	55
	60	74.6	181.8	30,000*	76.7	180.8	30,000*	78.7	178.8	30,000*	60
	65	73.0	180.1	30,000*	75.0	179.1	30,000*	77.0	177.1	30,000*	65
	70	71.3	178.3	30,000*	73.4	177.3	30,000*	75.3	175.2	30,000*	70
	80	67.9	174.0	30,000*	70.0	173.0	30,000*	71.8	170.9	30,000*	80
	90	64.5	169.1	25,900	66.4	168.0	26,700	68.3	165.8	27,400	90
	100	60.9	163.4	22,000	62.8	162.3	22,600	64.6	160.0	23,100	100
	110	57.1	156.7	18,700	59.1	155.6	19,300	60.8	153.2	19,800	110
	120	53.2	149.1	16,100	55.1	147.9	16,600	56.8	145.3	17,000	120
	130	49.0	140.3	13,900	50.9	139.0	14,300				130
	140	44.6	130.0	12,100	46.4	128.6	12,400				140
150	39.7	117.9	10,500							150	

# LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

# 4000W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH OPEN THROAT TOP  
OFFSET 4-1/2 DEGREES  
104,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

## 40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
<b>150</b>	45	80.1	196.2	30,000*							45
	50	78.5	195.0	30,000*	80.5	194.0	30,000*				50
	55	77.0	193.7	30,000*	79.0	192.7	30,000*	80.9	190.7	30,000*	55
	60	75.5	192.3	30,000*	77.4	191.3	30,000*	79.3	189.2	30,000*	60
	65	73.9	190.7	30,000*	75.8	189.7	30,000*	77.7	187.6	30,000*	65
	70	72.3	188.9	30,000*	74.3	187.9	30,000*	76.1	185.8	30,000*	70
	80	69.2	185.0	30,000*	71.1	183.9	30,000*	72.9	181.8	30,000*	80
	90	65.9	180.3	25,400	67.8	179.3	26,200	69.6	177.0	26,900	90
	100	62.5	175.0	21,400	64.4	173.9	22,100	66.1	171.6	22,700	100
	110	59.1	168.8	18,200	60.9	167.7	18,800	62.6	165.3	19,300	110
	120	55.4	161.8	15,600	57.3	160.6	16,100	58.9	158.1	16,500	120
	130	51.6	153.7	13,400	53.4	152.5	13,800				130
	140	47.6	144.5	11,500	49.4	143.1	11,900				140
	150	43.3	133.8	9,900							150
	160	38.5	121.2	8,500							160
	<b>160</b>	45	80.6	206.4	30,000*						
50		79.1	205.3	30,000*	81.0	204.3	30,000*				50
55		77.7	204.1	30,000*	79.5	203.1	30,000*				55
60		76.2	202.7	30,000*	78.1	201.7	30,000*	79.8	199.6	30,000*	60
65		74.7	201.2	30,000*	76.6	200.2	30,000*	78.4	198.0	30,000*	65
70		73.3	199.5	30,000*	75.1	198.5	30,000*	76.8	196.4	30,000*	70
80		70.2	195.8	29,900	72.1	194.7	30,000*	73.8	192.6	30,000*	80
90		67.2	191.4	24,800	69.0	190.4	25,700	70.7	188.1	26,400	90
100		64.0	186.4	20,800	65.8	185.3	21,500	67.5	183.0	22,200	100
110		60.8	180.7	17,600	62.5	179.5	18,200	64.1	177.1	18,800	110
120		57.4	174.1	15,000	59.2	172.9	15,500	60.7	170.5	16,000	120
130		53.9	166.7	12,800	55.6	165.5	13,200	57.1	162.9	13,700	130
140		50.2	158.3	10,900	51.9	156.9	11,300				140
150		46.3	148.6	9,300	47.9	147.2	9,600				150
160		42.1	137.5	7,900							160
170		37.5	124.4	6,700							170
<b>170</b>	45	81.0	216.6	30,000*							45
	50	79.6	215.6	30,000*							50
	55	78.3	214.4	30,000*	80.0	213.4	30,000*				55
	60	76.9	213.1	30,000*	78.6	212.0	30,000*	80.3	209.9	30,000*	60
	65	75.5	211.6	30,000*	77.2	210.6	30,000*	78.9	208.5	30,000*	65
	70	74.1	210.1	30,000*	75.8	209.0	30,000*	77.5	206.9	30,000*	70
	80	71.2	206.5	29,600	73.0	205.5	30,000*	74.6	203.3	30,000*	80
	90	68.3	202.4	24,400	70.0	201.3	25,300	71.7	199.1	26,100	90
	100	65.4	197.7	20,400	67.1	196.6	21,200	68.6	194.3	21,900	100
	110	62.3	192.3	17,200	64.0	191.1	17,900	65.5	188.8	18,500	110
	120	59.2	186.2	14,600	60.8	185.0	15,200	62.3	182.5	15,700	120
	130	55.9	179.3	12,400	57.5	178.0	12,900	59.0	175.5	13,300	130
	140	52.5	171.5	10,500	54.1	170.2	11,000				140
	150	48.9	162.6	8,900	50.5	161.2	9,300				150
	160	45.1	152.6	7,500	46.7	151.1	7,900				160
	170	41.0	141.0	6,300							170
180	36.5	127.5	5,200							180	



# LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

4000W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH OPEN THROAT TOP  
OFFSET 4-1/2 DEGREES  
104,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

## 40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET	
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS		
<b>180</b>	50	80.1	225.8	30,000*							50	
	55	78.8	224.7	30,000*	80.5	223.6	30,000*				55	
	60	77.5	223.4	30,000*	79.2	222.4	30,000*	80.8	220.2	30,000*	60	
	65	76.1	222.1	30,000*	77.8	221.0	30,000*	79.4	218.8	30,000*	65	
	70	74.8	220.6	30,000*	76.5	219.5	30,000*	78.1	217.3	30,000*	70	
	80	72.1	217.2	29,000	73.8	216.1	30,000*	75.3	213.9	30,000*	80	
	90	69.4	213.3	23,900	71.0	212.2	24,800	72.5	209.9	25,700	90	
	100	66.5	208.8	19,900	68.2	207.7	20,700	69.7	205.4	21,400	100	
	110	63.7	203.7	16,700	65.3	202.6	17,400	66.8	200.2	18,000	110	
	120	60.7	198.0	14,000	62.3	196.8	14,700	63.7	194.4	15,200	120	
	130	57.7	191.5	11,800	59.2	190.3	12,400	60.6	187.8	12,900	130	
	140	54.5	184.3	10,000	56.0	183.0	10,400	57.4	180.3	10,900	140	
	150	51.2	176.1	8,400	52.7	174.7	8,800				150	
	160	47.7	166.9	7,000	49.2	165.5	7,300				160	
	170	44.0	156.4	5,700							170	
	180	40.0	144.5	4,700							180	
	<b>190</b>	50	80.5	236.0	30,000*							50
		55	79.3	234.9	30,000*	80.9	233.9	30,000*				55
60		78.0	233.7	30,000*	79.6	232.7	30,000*				60	
65		76.8	232.4	30,000*	78.4	231.4	30,000*	79.9	229.2	30,000*	65	
70		75.5	231.0	30,000*	77.1	229.9	30,000*	78.6	227.7	30,000*	70	
80		72.9	227.8	28,500	74.5	226.7	29,700	76.0	224.5	30,000*	80	
90		70.3	224.1	23,400	71.9	223.0	24,400	73.4	220.7	25,300	90	
100		67.6	219.8	19,400	69.2	218.7	20,200	70.6	216.4	21,000	100	
110		64.9	215.0	16,100	66.4	213.9	16,900	67.9	211.5	17,600	110	
120		62.1	209.6	13,500	63.6	208.4	14,200	65.0	206.0	14,800	120	
130		59.2	203.5	11,300	60.7	202.3	11,900	62.1	199.8	12,400	130	
140		56.3	196.7	9,400	57.8	195.4	10,000	59.1	192.8	10,400	140	
150		53.2	189.1	7,800	54.7	187.8	8,300				150	
160		50.0	180.6	6,400	51.4	179.2	6,800				160	
170		46.6	171.0	5,200	48.0	169.5	5,600				170	
180		42.9	160.2	4,100							180	
<b>200</b>		50	80.9	246.2	30,000*							50
		55	79.7	245.2	30,000*							55
	60	78.5	244.0	30,000*	80.1	242.9	30,000*				60	
	65	77.3	242.8	30,000*	78.9	241.7	30,000*	80.4	239.5	30,000*	65	
	70	76.1	241.4	30,000*	77.6	240.3	30,000*	79.1	238.1	30,000*	70	
	80	73.6	238.4	27,900	75.2	237.3	29,200	76.6	235.0	30,000*	80	
	90	71.1	234.8	22,800	72.7	233.7	23,800	74.1	231.4	24,800	90	
	100	68.6	230.8	18,800	70.1	229.6	19,700	71.5	227.3	20,500	100	
	110	66.0	226.2	15,600	67.5	225.0	16,300	68.9	222.7	17,100	110	
	120	63.4	221.0	12,900	64.8	219.9	13,600	66.2	217.4	14,300	120	
	130	60.6	215.3	10,700	62.1	214.1	11,300	63.4	211.6	11,900	130	
	140	57.9	208.9	8,800	59.3	207.6	9,400	60.6	205.1	9,900	140	
	150	55.0	201.8	7,200	56.4	200.4	7,700	57.6	197.8	8,200	150	
	160	52.0	193.8	5,800	53.4	192.5	6,300				160	
	170	48.8	185.0	4,600	50.2	183.5	5,000				170	

# LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

# 4000W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH OPEN THROAT TOP  
OFFSET 4-1/2 DEGREES  
104,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

## 50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
<b>110</b>	40	80.6	166.8	20,000*							40
	45	78.8	165.6	20,000*							45
	50	77.0	164.3	20,000*	79.8	163.3	20,000*				50
	55	75.1	162.8	20,000*	78.0	161.8	20,000*	80.9	159.6	20,000*	55
	60	73.3	161.0	20,000*	76.1	160.0	20,000*	79.0	157.8	20,000*	60
	65	71.4	159.2	20,000*	74.3	158.1	20,000*	77.1	155.9	20,000*	65
	70	69.5	157.1	20,000*	72.3	156.0	20,000*	75.1	153.8	20,000*	70
	80	65.6	152.3	20,000*	68.4	151.2	20,000*	71.1	148.9	20,000*	80
	90	61.6	146.6	20,000*	64.4	145.5	20,000*	67.0	143.1	20,000*	90
	100	57.4	140.0	20,000*	60.1	138.9	20,000*	62.7	136.3	20,000*	100
	110	53.0	132.2	20,000*	55.7	131.0	20,000*	58.1	128.3	20,000*	110
	120	48.2	123.1	18,000	50.9	121.7	18,400				120
	130	43.0	112.2	15,800							130
	140	37.2	98.9	14,000							140
<b>120</b>	45	79.4	175.9	20,000*							45
	50	77.7	174.7	20,000*	80.5	173.6	20,000*				50
	55	76.0	173.2	20,000*	78.7	172.2	20,000*				55
	60	74.3	171.6	20,000*	77.0	170.6	20,000*	79.6	168.3	20,000*	60
	65	72.5	169.8	20,000*	75.2	168.8	20,000*	77.9	166.5	20,000*	65
	70	70.8	167.9	20,000*	73.4	166.8	20,000*	76.1	164.5	20,000*	70
	80	67.1	163.5	20,000*	69.8	162.4	20,000*	72.4	160.0	20,000*	80
	90	63.4	158.2	20,000*	66.0	157.1	20,000*	68.5	154.6	20,000*	90
	100	59.6	152.1	20,000*	62.1	151.0	20,000*	64.6	148.4	20,000*	100
	110	55.5	145.0	20,000*	58.1	143.8	20,000*	60.4	141.1	20,000*	110
	120	51.2	136.8	17,400	53.7	135.5	17,900	56.0	132.6	18,300	120
	130	46.6	127.1	15,200	49.1	125.7	15,600				130
	140	41.6	115.7	13,300							140
	150	36.0	101.9	11,700							150
<b>130</b>	45	80.0	186.2	20,000*							45
	50	78.4	185.0	20,000*	81.0	183.9	20,000*				50
	55	76.8	183.6	20,000*	79.4	182.6	20,000*				55
	60	75.2	182.1	20,000*	77.7	181.1	20,000*	80.2	178.8	20,000*	60
	65	73.5	180.5	20,000*	76.1	179.4	20,000*	78.6	177.1	20,000*	65
	70	71.9	178.6	20,000*	74.4	177.6	20,000*	76.9	175.2	20,000*	70
	80	68.5	174.5	20,000*	71.0	173.4	20,000*	73.4	171.0	20,000*	80
	90	65.0	169.6	20,000*	67.5	168.5	20,000*	69.9	166.0	20,000*	90
	100	61.4	163.9	20,000*	63.9	162.8	20,000*	66.2	160.2	20,000*	100
	110	57.7	157.4	19,700	60.1	156.2	20,000*	62.4	153.5	20,000*	110
	120	53.8	149.9	17,000	56.2	148.6	17,600	58.4	145.7	18,000	120
	130	49.6	141.2	14,800	52.0	139.8	15,300				130
	140	45.2	131.1	13,000	47.5	129.6	13,300				140
	150	40.4	119.2	11,400							150
<b>140</b>	45	80.5	196.4	20,000*							45
	50	79.0	195.3	20,000*							50
	55	77.5	194.0	20,000*	79.9	192.9	20,000*				55
	60	76.0	192.6	20,000*	78.4	191.5	20,000*	80.8	189.1	20,000*	60
	65	74.4	191.0	20,000*	76.8	189.9	20,000*	79.2	187.5	20,000*	65
	70	72.8	189.3	20,000*	75.3	188.2	20,000*	77.6	185.8	20,000*	70
	80	69.7	185.4	20,000*	72.1	184.2	20,000*	74.4	181.8	20,000*	80
	90	66.4	180.8	20,000*	68.8	179.7	20,000*	71.0	177.1	20,000*	90
	100	63.1	175.5	20,000*	65.4	174.3	20,000*	67.6	171.7	20,000*	100
	110	59.6	169.5	19,100	61.9	168.2	19,700	64.1	165.5	20,000*	110
	120	56.0	162.5	16,400	58.3	161.2	17,000	60.4	158.4	17,500	120
	130	52.2	154.6	14,200	54.5	153.2	14,700	56.5	150.2	15,200	130
	140	48.2	145.4	12,300	50.4	144.0	12,800				140
	150	43.9	134.9	10,700	46.1	133.3	11,100				150
160	39.2	122.5	9,300							160	

# LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

# 4000W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH OPEN THROAT TOP  
OFFSET 4-1/2 DEGREES  
104,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

## 50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
<b>150</b>	45	81.0	206.6	20,000*							45
	50	79.6	205.5	20,000*							50
	55	78.1	204.3	20,000*	80.4	203.2	20,000*				55
	60	76.7	203.0	20,000*	79.0	201.9	20,000*				60
	65	75.2	201.5	20,000*	77.5	200.4	20,000*	79.8	198.0	20,000*	65
	70	73.7	199.9	20,000*	76.0	198.7	20,000*	78.3	196.3	20,000*	70
	80	70.7	196.2	20,000*	73.0	195.0	20,000*	75.2	192.6	20,000*	80
	90	67.7	191.9	20,000*	69.9	190.7	20,000*	72.1	188.2	20,000*	90
	100	64.5	186.9	20,000*	66.7	185.7	20,000*	68.9	183.1	20,000*	100
	110	61.3	181.2	18,500	63.5	180.0	19,200	65.6	177.3	19,900	110
	120	57.9	174.8	15,900	60.1	173.5	16,500	62.1	170.7	17,100	120
	130	54.4	167.4	13,700	56.6	166.1	14,200	58.5	163.1	14,700	130
	140	50.8	159.1	11,800	52.9	157.7	12,300				140
	150	46.9	149.6	10,200	49.0	148.0	10,600				150
	160	42.7	138.6	8,800							160
	170	38.1	125.7	7,600							170
	<b>160</b>	50	80.1	215.8	20,000*						
55		78.7	214.6	20,000*	80.9	213.5	20,000*				55
60		77.3	213.3	20,000*	79.5	212.2	20,000*				60
65		75.9	211.9	20,000*	78.1	210.8	20,000*	80.3	208.3	20,000*	65
70		74.5	210.4	20,000*	76.7	209.2	20,000*	78.8	206.8	20,000*	70
80		71.7	206.9	20,000*	73.8	205.7	20,000*	75.9	203.2	20,000*	80
90		68.8	202.8	20,000*	70.9	201.6	20,000*	73.0	199.1	20,000*	90
100		65.8	198.2	20,000*	67.9	196.9	20,000*	70.0	194.3	20,000*	100
110		62.8	192.8	17,900	64.9	191.6	18,700	66.9	188.9	19,400	110
120		59.6	186.8	15,300	61.7	185.5	16,000	63.7	182.7	16,600	120
130		56.4	180.0	13,100	58.5	178.6	13,700	60.3	175.7	14,200	130
140		53.0	172.2	11,200	55.0	170.8	11,700	56.9	167.8	12,200	140
150		49.4	163.5	9,600	51.4	162.0	10,000				150
160		45.7	153.6	8,200	47.6	152.0	8,600				160
170		41.6	142.2	7,000							170
180		37.1	128.9	5,900							180
<b>170</b>		50	80.5	226.0	20,000*						
	55	79.2	224.9	20,000*							55
	60	77.9	223.7	20,000*	80.0	222.5	20,000*				60
	65	76.6	222.3	20,000*	78.7	221.2	20,000*	80.7	218.7	20,000*	65
	70	75.2	220.9	20,000*	77.3	219.7	20,000*	79.4	217.2	20,000*	70
	80	72.5	217.5	20,000*	74.6	216.4	20,000*	76.6	213.8	20,000*	80
	90	69.8	213.7	20,000*	71.8	212.5	20,000*	73.8	209.9	20,000*	90
	100	67.0	209.3	20,000*	69.0	208.0	20,000*	71.0	205.4	20,000*	100
	110	64.1	204.2	17,500	66.1	203.0	18,400	68.0	200.3	19,100	110
	120	61.2	198.6	14,900	63.2	197.2	15,600	65.0	194.5	16,300	120
	130	58.1	192.2	12,700	60.1	190.8	13,300	61.9	187.9	13,900	130
	140	55.0	185.0	10,800	56.9	183.6	11,400	58.7	180.6	11,900	140
	150	51.7	176.9	9,200	53.6	175.4	9,700				150
	160	48.2	167.8	7,800	50.1	166.2	8,200				160
	170	44.5	157.5	6,600	46.4	155.8	7,000				170
	180	40.6	145.7	5,500							180
	190	36.2	132.0	4,500							190

# LIFTCRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

# 4000W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH OPEN THROAT TOP  
OFFSET 4-1/2 DEGREES  
104,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

## 50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET	
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS		
<b>180</b>	50	80.9	236.2	20,000*							50	
	55	79.7	235.1	20,000*							55	
	60	78.4	234.0	20,000*	80.4	232.8	20,000*				60	
	65	77.2	232.7	20,000*	79.2	231.5	20,000*				65	
	70	75.9	231.3	20,000*	77.9	230.1	20,000*	79.9	227.6	20,000*	70	
	80	73.3	228.1	20,000*	75.3	226.9	20,000*	77.2	224.4	20,000*	80	
	90	70.7	224.5	20,000*	72.7	223.2	20,000*	74.6	220.6	20,000*	90	
	100	68.0	220.3	20,000*	70.0	219.0	20,000*	71.9	216.4	20,000*	100	
	110	65.3	215.5	17,000	67.3	214.2	17,900	69.1	211.5	18,700	110	
	120	62.5	210.1	14,400	64.5	208.8	15,100	66.3	206.0	15,800	120	
	130	59.7	204.1	12,100	61.6	202.8	12,800	63.3	199.9	13,400	130	
	140	56.7	197.4	10,300	58.6	196.0	10,900	60.3	193.0	11,400	140	
	150	53.6	189.8	8,700	55.5	188.4	9,200	57.2	185.3	9,700	150	
	160	50.4	181.4	7,300	52.3	179.9	7,700				160	
	170	47.1	172.0	6,000	48.9	170.3	6,500				170	
	180	43.5	161.3	4,900							180	
	190	39.6	149.1	4,000							190	
	<b>190</b>	55	80.1	245.4	20,000*							55
		60	78.9	244.2	20,000*	80.8	243.1	20,000*				60
65		77.7	243.0	20,000*	79.6	241.8	20,000*				65	
70		76.5	241.7	20,000*	78.4	240.5	20,000*	80.3	237.9	20,000*	70	
80		74.0	238.7	20,000*	75.9	237.4	20,000*	77.8	234.9	20,000*	80	
90		71.5	235.2	20,000*	73.4	233.9	20,000*	75.3	231.3	20,000*	90	
100		69.0	231.2	19,700	70.9	229.9	20,000*	72.7	227.2	20,000*	100	
110		66.4	226.6	16,500	68.3	225.4	17,400	70.0	222.6	18,300	110	
120		63.8	221.6	13,800	65.6	220.2	14,600	67.4	217.4	15,400	120	
130		61.1	215.9	11,600	62.9	214.5	12,300	64.6	211.6	13,000	130	
140		58.3	209.5	9,700	60.1	208.1	10,400	61.7	205.2	11,000	140	
150		55.4	202.5	8,100	57.2	201.0	8,700	58.8	197.9	9,200	150	
160		52.4	194.6	6,700	54.2	193.1	7,200				160	
170	49.3	185.8	5,500	51.0	184.3	6,000				170		
180	46.0	176.0	4,400	47.7	174.4	4,800				180		

# LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

# 4000W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH OPEN THROAT TOP  
OFFSET 4-1/2 DEGREES  
104,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

## 60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
<b>110</b>	45	79.4	176.0	10,000*							45
	50	77.7	174.7	10,000*	81.0	173.7	10,000*				50
	55	76.0	173.3	10,000*	79.3	172.3	10,000*				55
	60	74.2	171.7	10,000*	77.5	170.7	10,000*	80.8	168.4	10,000*	60
	65	72.5	169.9	10,000*	75.8	168.9	10,000*	79.0	166.5	10,000*	65
	70	70.7	168.0	10,000*	74.0	166.9	10,000*	77.2	164.6	10,000*	70
	80	67.1	163.5	10,000*	70.3	162.5	10,000*	73.5	160.0	10,000*	80
	90	63.4	158.3	10,000*	66.6	157.2	10,000*	69.7	154.7	10,000*	90
	100	59.5	152.2	10,000*	62.7	151.1	10,000*	65.7	148.4	10,000*	100
	110	55.5	145.1	10,000*	58.6	143.9	10,000*	61.6	141.1	10,000*	110
	120	51.2	136.8	10,000*	54.3	135.6	10,000*	57.2	132.6	10,000*	120
	130	46.6	127.2	10,000*	49.7	125.9	10,000*				130
	140	41.6	115.8	10,000*	44.6	114.3	10,000*				140
	150	36.0	102.0	10,000*							150
	<b>120</b>	45	80.0	186.2	10,000*						
50		78.4	185.0	10,000*							50
55		76.8	183.7	10,000*	79.9	182.7	10,000*				55
60		75.1	182.2	10,000*	78.2	181.2	10,000*				60
65		73.5	180.5	10,000*	76.6	179.5	10,000*	79.6	177.1	10,000*	65
70		71.8	178.7	10,000*	74.9	177.6	10,000*	78.0	175.2	10,000*	70
80		68.5	174.5	10,000*	71.5	173.5	10,000*	74.5	170.9	10,000*	80
90		65.0	169.7	10,000*	68.0	168.6	10,000*	71.0	166.0	10,000*	90
100		61.4	164.0	10,000*	64.4	162.9	10,000*	67.3	160.2	10,000*	100
110		57.7	157.5	10,000*	60.6	156.3	10,000*	63.5	153.5	10,000*	110
120		53.8	149.9	10,000*	56.7	148.7	10,000*	59.4	145.7	10,000*	120
130		49.6	141.2	10,000*	52.5	139.9	10,000*	55.2	136.7	10,000*	130
140		45.2	131.1	10,000*	48.0	129.7	10,000*				140
150		40.3	119.2	10,000*							150
160		34.9	104.9	10,000*							160
<b>130</b>	45	80.5	196.5	10,000*							45
	50	79.0	195.3	10,000*							50
	55	77.5	194.0	10,000*	80.4	193.0	10,000*				55
	60	75.9	192.6	10,000*	78.9	191.6	10,000*				60
	65	74.4	191.1	10,000*	77.3	190.0	10,000*	80.2	187.5	10,000*	65
	70	72.8	189.3	10,000*	75.7	188.3	10,000*	78.6	185.7	10,000*	70
	80	69.6	185.4	10,000*	72.5	184.3	10,000*	75.4	181.8	10,000*	80
	90	66.4	180.9	10,000*	69.3	179.7	10,000*	72.1	177.1	10,000*	90
	100	63.0	175.6	10,000*	65.9	174.4	10,000*	68.6	171.7	10,000*	100
	110	59.6	169.5	10,000*	62.4	168.3	10,000*	65.1	165.5	10,000*	110
	120	56.0	162.6	10,000*	58.8	161.3	10,000*	61.4	158.3	10,000*	120
	130	52.2	154.6	10,000*	55.0	153.3	10,000*	57.5	150.2	10,000*	130
	140	48.2	145.5	10,000*	50.9	144.1	10,000*				140
	150	43.9	135.0	10,000*	46.6	133.4	10,000*				150
	160	39.2	122.6	10,000*							160
<b>140</b>	45	81.0	206.7	10,000*							45
	50	79.6	205.6	10,000*							50
	55	78.1	204.4	10,000*	80.9	203.3	10,000*				55
	60	76.6	203.0	10,000*	79.4	201.9	10,000*				60
	65	75.2	201.5	10,000*	78.0	200.4	10,000*	80.7	197.9	10,000*	65
	70	73.7	199.9	10,000*	76.5	198.8	10,000*	79.2	196.2	10,000*	70
	80	70.7	196.2	10,000*	73.5	195.1	10,000*	76.2	192.5	10,000*	80
	90	67.6	191.9	10,000*	70.4	190.8	10,000*	73.0	188.1	10,000*	90
	100	64.5	187.0	10,000*	67.2	185.8	10,000*	69.8	183.0	10,000*	100
	110	61.3	181.3	10,000*	64.0	180.1	10,000*	66.5	177.2	10,000*	110
	120	57.9	174.8	10,000*	60.6	173.6	10,000*	63.1	170.6	10,000*	120
	130	54.4	167.5	10,000*	57.1	166.2	10,000*	59.5	163.1	10,000*	130
	140	50.8	159.2	10,000*	53.4	157.7	10,000*	55.7	154.5	10,000*	140
	150	46.9	149.6	10,000*	49.4	148.1	10,000*				150
	160	42.7	138.7	9,500	45.2	137.0	9,900				160
170	38.1	125.8	8,300							170	

# LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

# 4000W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH OPEN THROAT TOP  
OFFSET 4-1/2 DEGREES  
104,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

## 60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET	
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS		
<b>150</b>	50	80.0	215.8	10,000*							50	
	55	78.7	214.7	10,000*							55	
	60	77.3	213.4	10,000*	80.0	212.3	10,000*				60	
	65	75.9	212.0	10,000*	78.5	210.9	10,000*				65	
	70	74.5	210.4	10,000*	77.1	209.3	10,000*	79.8	206.7	10,000*	70	
	80	71.6	207.0	10,000*	74.3	205.8	10,000*	76.9	203.1	10,000*	80	
	90	68.8	202.9	10,000*	71.4	201.7	10,000*	73.9	199.0	10,000*	90	
	100	65.8	198.2	10,000*	68.4	197.0	10,000*	70.9	194.2	10,000*	100	
	110	62.8	192.9	10,000*	65.3	191.6	10,000*	67.8	188.8	10,000*	110	
	120	59.6	186.8	10,000*	62.2	185.6	10,000*	64.6	182.6	10,000*	120	
	130	56.4	180.0	10,000*	58.9	178.7	10,000*	61.2	175.6	10,000*	130	
	140	53.0	172.3	10,000*	55.5	170.9	10,000*	57.8	167.7	10,000*	140	
	150	49.4	163.6	10,000*	51.9	162.1	10,000*				150	
	160	45.6	153.6	9,000	48.1	152.1	9,400				160	
	170	41.6	142.3	7,800							170	
	180	37.1	129.0	6,700							180	
	<b>160</b>	50	80.5	226.0	10,000*							50
		55	79.2	224.9	10,000*							55
60		77.9	223.7	10,000*	80.4	222.6	10,000*				60	
65		76.5	222.4	10,000*	79.1	221.2	10,000*				65	
70		75.2	220.9	10,000*	77.7	219.8	10,000*	80.2	217.1	10,000*	70	
80		72.5	217.6	10,000*	75.0	216.4	10,000*	77.5	213.7	10,000*	80	
90		69.8	213.7	10,000*	72.3	212.5	10,000*	74.7	209.8	10,000*	90	
100		67.0	209.3	10,000*	69.4	208.1	10,000*	71.8	205.3	10,000*	100	
110		64.1	204.3	10,000*	66.6	203.0	10,000*	68.9	200.1	10,000*	110	
120		61.1	198.6	10,000*	63.6	197.3	10,000*	65.9	194.3	10,000*	120	
130		58.1	192.2	10,000*	60.5	190.9	10,000*	62.8	187.8	10,000*	130	
140		54.9	185.0	10,000*	57.3	183.6	10,000*	59.5	180.4	10,000*	140	
150		51.7	177.0	9,800	54.0	175.5	10,000*	56.2	172.1	10,000*	150	
160		48.2	167.9	8,400	50.5	166.3	8,900				160	
170		44.5	157.6	7,100	46.8	155.9	7,600				170	
180		40.5	145.8	6,100							180	
190		36.2	132.1	5,100							190	
<b>170</b>		50	80.9	236.2	10,000*							50
	55	79.7	235.2	10,000*							55	
	60	78.4	234.0	10,000*	80.8	232.9	10,000*				60	
	65	77.1	232.7	10,000*	79.6	231.6	10,000*				65	
	70	75.9	231.3	10,000*	78.3	230.2	10,000*	80.7	227.5	10,000*	70	
	80	73.3	228.2	10,000*	75.7	227.0	10,000*	78.1	224.2	10,000*	80	
	90	70.7	224.5	10,000*	73.1	223.3	10,000*	75.4	220.5	10,000*	90	
	100	68.0	220.3	10,000*	70.4	219.1	10,000*	72.7	216.2	10,000*	100	
	110	65.3	215.6	10,000*	67.7	214.3	10,000*	69.9	211.4	10,000*	110	
	120	62.5	210.2	10,000*	64.9	208.9	10,000*	67.1	205.9	10,000*	120	
	130	59.7	204.2	10,000*	62.0	202.8	10,000*	64.2	199.7	10,000*	130	
	140	56.7	197.4	10,000*	59.0	196.0	10,000*	61.1	192.8	10,000*	140	
	150	53.6	189.9	9,400	55.9	188.5	10,000*	58.0	185.1	10,000*	150	
	160	50.4	181.5	8,000	52.7	180.0	8,500				160	
	170	47.0	172.0	6,800	49.3	170.4	7,200				170	
	180	43.5	161.4	5,700	45.6	159.6	6,100				180	
	190	39.6	149.2	4,700							190	

# LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

# 4000W

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 22 WITH OPEN THROAT TOP  
OFFSET 4-1/2 DEGREES  
104,400 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED

## 60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
<b>180</b>	55	80.1	245.4	10,000*							55
	60	78.9	244.3	10,000*							60
	65	77.7	243.1	10,000*	80.0	241.9	10,000*				65
	70	76.5	241.7	10,000*	78.8	240.5	10,000*				70
	80	74.0	238.7	10,000*	76.3	237.5	10,000*	78.6	234.7	10,000*	80
	90	71.5	235.2	10,000*	73.8	234.0	10,000*	76.1	231.2	10,000*	90
	100	69.0	231.2	10,000*	71.3	230.0	10,000*	73.5	227.1	10,000*	100
	110	66.4	226.7	10,000*	68.7	225.4	10,000*	70.8	222.5	10,000*	110
	120	63.8	221.6	10,000*	66.0	220.3	10,000*	68.1	217.3	10,000*	120
	130	61.0	215.9	10,000*	63.3	214.6	10,000*	65.4	211.5	10,000*	130
	140	58.3	209.6	10,000*	60.5	208.2	10,000*	62.5	205.0	10,000*	140
	150	55.4	202.5	8,800	57.6	201.1	9,500	59.6	197.8	10,000*	150
	160	52.4	194.7	7,400	54.6	193.1	8,000	56.5	189.7	8,500	160
	170	49.3	185.9	6,200	51.4	184.3	6,700				170
	180	46.0	176.1	5,100	48.1	174.4	5,600				180
190	42.5	165.1	4,200							190	
<b>190</b>	55	80.5	255.6	10,000*							55
	60	79.3	254.6	10,000*							60
	65	78.2	253.4	10,000*	80.4	252.2	10,000*				65
	70	77.0	252.1	10,000*	79.2	250.9	10,000*				70
	80	74.7	249.2	10,000*	76.9	248.0	10,000*	79.1	245.2	10,000*	80
	90	72.3	245.9	10,000*	74.5	244.6	10,000*	76.6	241.8	10,000*	90
	100	69.9	242.0	10,000*	72.1	240.8	10,000*	74.2	237.9	10,000*	100
	110	67.4	237.7	10,000*	69.6	236.4	10,000*	71.7	233.5	10,000*	110
	120	64.9	232.9	10,000*	67.1	231.6	10,000*	69.1	228.5	10,000*	120
	130	62.3	227.5	10,000*	64.5	226.1	10,000*	66.5	223.0	10,000*	130
	140	59.7	221.5	9,900	61.8	220.1	10,000*	63.8	216.9	10,000*	140
	150	57.0	214.8	8,300	59.1	213.4	9,000	61.0	210.1	9,600	150
	160	54.2	207.5	6,900	56.3	206.0	7,500	58.2	202.6	8,100	160
	170	51.2	199.3	5,700	53.3	197.7	6,200	55.2	194.2	6,700	170
	180	48.2	190.2	4,600	50.2	188.6	5,100				180
190				47.0	178.3	4,100				190	

# LOAD LINE SPECIFICATIONS 4000W

## LIFTCRANE — BOOM NO. 22 WITH LIGHT TAPERED TOP

BOOM OR BOOM AND JIB LENGTH		WHIP LINE LEFT DRUM				LOAD LINE RIGHT DRUM		MAXIMUM REQUIRED PARTS OF LINE
		1 PART		2 PART				
FEET	METERS	FEET	METERS	FEET	METERS	FEET	METERS	
110	33.5	245	75	355	108	915	279	7
120	36.6	265	81	385	117	915	279	6
130	39.6	285	87	415	127	940	287	6
140	42.7	305	93	445	136	940	287	5
150	45.7	325	99	475	145	940	287	5
160	48.8	345	105	505	154	985	300	5
170	51.8	365	111	535	163	985	300	4
180	54.9	385	117	565	172	985	300	4
190	57.9	405	124	595	181	985	300	4
200	61.0	425	130	625	191	985	300	3
210	64.0	445	136	655	200	985	300	3
220	67.1	465	142	685	209	985	300	3
230	70.1	485	148	715	218	985	300	3
240	73.2	505	154	745	227	985	300	3
250	76.2	525	160	775	236			
260	79.2	545	166	805	245			
270	82.3	565	172	---	---			

**LOAD LINE:** 1 1/8" (28.6mm) — 6 x 31 Warrington-Seale, Extra Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 130,000 lbs. (58,960 kg.).  
Approx. Weight Per Ft. in lbs. 2.34 (3.5 kg./m).

HOIST REEVING FOR MAIN LOAD BLOCK							
No. Parts of Line	1	2	3	4	5	6	7
Maximum Load — Lbs.	32,500	64,000	95,500	126,200	157,000	186,800	215,500
Maximum Load — Kg.	14,740	29,030	43,310	57,240	71,210	84,730	97,740

**WHIP LINE:** 1 1/8" (28.6mm) — 6 x 25 Filler Wire, Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 113,000 lbs. (51,250 kg.). Maximum Load = 28,300 lbs./Line (12,830 kg.). Approx. Weight Per Ft. in lbs. 2.34 (3.5 kg./m).



## BOOM NO. 22 WITH OPEN THROAT TOP 75,975 LB. COUNTERWEIGHT 24' CRAWLERS EXTENDED

Capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed **75%** of a static tipping load in the least stable position with machine on a firm level surface. Capacities are based on tipping, structural competence, operating speeds and other factors. Capacities based on structural competence are shown by shaded areas.

Capacities are shown in pounds. Weight of magnet is considered part of the load. Universal anchor joint is required for two part line operation. Where no capacity is shown, operation is not intended or approved.

Machine is to be operated by controlled converter lowering of the load for capacities above 20,000 lbs.

Refer to rigging No. 48168 and wire rope specification chart No. 6619-A. Crane operator judgment must be used to allow for adverse operating conditions and physical machine depreciation.

Operating radius is the horizontal distance from the axis of rotation to the center of gravity of the freely suspended load. Boom angle is the angle above true horizontal of a line drawn through the boom hinge pin and the upper boom point shaft centerline.

Machine equipped with 24' extendible crawlers, 48" treads, 15' retractable gantry, 12 part boom hoist reeving, four 1-3/8" boom pendants, 1st cwt. = 39,000 lbs., 2nd cwt. = 35,800 lbs. and 1,175 lbs. for generator.

### MAXIMUM LOADS

Wire Rope Dia.	Parts of Line	Maximum Working Load
1 1/8"	1	28,000 lbs.
1 1/4"	1	32,000 lbs.
1"	2	50,000 lbs.
1 1/8"	2	50,000 lbs.

Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Capacity:	Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Capacity:	Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Capacity:
<b>70</b>	26	72.4	50,000	<b>90</b>	32	72.4	50,000	<b>110</b>	38	72.4	50,000
	28	70.7	50,000		34	71.1	50,000		40	71.4	50,000
	30	69.1	50,000		36	69.8	50,000		45	68.7	50,000
	32	67.4	50,000		38	68.5	50,000		50	66.0	48,300
	34	65.7	50,000		40	67.2	50,000		55	63.2	41,900
	36	64.0	50,000		45	63.8	50,000		60	60.3	36,700
	38	62.2	50,000		50	60.4	49,500		65	57.4	32,400
	40	60.5	50,000		55	56.8	43,000		70	54.3	28,800
	45	55.9	50,000		60	53.0	37,800		75	51.1	25,800
	50	51.0	50,000		65	49.1	33,600		80	47.8	23,100
	55	45.9	44,100		70	44.9	30,000		85	44.3	20,900
	60	40.1	39,000		75	40.4	27,000		90	40.6	18,900
	65	33.7	34,700		80	35.4	24,400		95	36.6	17,100
	70	25.8	31,200		85	29.8	22,100		100	32.1	15,600
<b>80</b>	30	71.7	50,000	<b>100</b>	36	71.8	50,000	<b>120</b>	40	72.9	50,000
	32	70.2	50,000		38	70.7	50,000		45	70.5	50,000
	34	68.8	50,000		40	69.5	50,000		50	68.0	47,700
	36	67.3	50,000		45	66.5	50,000		55	65.5	41,300
	38	65.8	50,000		50	63.5	48,800		60	62.9	36,000
	40	64.3	50,000		55	60.3	42,300		65	60.3	31,800
	45	60.4	50,000		60	57.1	37,100		70	57.6	28,200
	50	56.4	50,000		65	53.7	32,800		75	54.8	25,100
	55	52.2	43,500		70	50.2	29,300		80	51.9	22,500
	60	47.7	38,400		75	46.5	26,200		85	48.9	20,200
	65	42.9	34,100		80	42.6	23,600		90	45.7	18,200
	70	37.6	30,500		85	38.3	21,400		95	42.4	16,500
	75	31.5	27,500		90	33.6	19,400		100	38.9	14,900
					95	28.3	17,600		105	35.0	13,500
						110	30.7	12,200			
						115	25.8	11,100			

### WIRE ROPE LENGTHS

BOOM LENGTH FEET	LEFT DRUM HOIST 1 PART LINE FEET	LEFT DRUM HOIST 2 PART LINE FEET	RIGHT DRUM MAGNET SUCKER LINE FEET
70	170	240	80
80	190	270	90
90	210	300	100
100	230	330	110
110	250	360	120
120	270	390	130

Lengths are based on lowering magnet to ground level.

### WIRE ROPE — TYPE

#### LEFT DRUM HOIST ROPE:

- (2 Part Line) 1" — 6 x 25 Filler Wire, Extra Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 103,400 Lbs.
- (1 or 2 Part Line) 1 1/8" — 6 x 25 Filler Wire, Extra Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 130,000 Lbs.
- (1 Part Line) 1 1/4" — 6 x 25 Filler Wire, Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 138,800 Lbs.

**RIGHT DRUM SUCKER ROPE:** 1 1/4" — 6 x 21 Filler Wire, Improved Plow Steel, Lang Lay, IWRC. Minimum Breaking Strength 138,800 Lbs.

# LOAD LINE SPECIFICATIONS 4000W

**LIFTGRANE — BOOM NO. 22 WITH OPEN THROAT TOP  
INLINE OR OFFSET 4-1/2 DEGREES**

BOOM OR BOOM AND JIB LENGTH		WHIP LINE LEFT DRUM				LOAD LINE RIGHT DRUM		MAXIMUM REQUIRED PARTS OF LINE	
		1 PART		2 PART					
FEET	METERS	FEET	METERS	FEET	METERS	FEET	METERS	TOP INLINE	TOP OFFSET
70	21.3	165	50	235	72	985	300	13	11
80	24.4	185	56	265	81	985	300	11	9
90	27.4	205	62	295	90	985	300	9	8
100	30.5	225	69	325	99	985	300	8	8
110	33.5	245	75	355	108	985	300	7	7
120	36.6	265	81	385	117	985	300	6	6
130	39.6	285	87	415	126	985	300	6	6
140	42.7	305	93	445	136	985	300	5	5
150	45.7	325	99	475	145	985	300	5	5
160	48.8	345	105	505	154	985	300	5	5
170	51.8	365	111	535	163	985	300	4	4
180	54.9	385	117	565	172	985	300	4	4
190	57.9	405	123	595	181	985	300	4	4
200	61.0	425	130	625	191	985	300	3	3
210	64.0	445	136	655	200	985	300	3	3
220	67.1	465	142	685	209	985	300	3	3
230	70.1	485	148	715	218				
240	73.2	505	154	745	227				
250	76.2	525	160	-----	-----				

HOIST REEVING FOR MAIN LOAD BLOCK							
No. Parts of Line	1	2	3	4	5	6	7
Maximum Load — Lbs.	32,500	64,000	95,500	126,200	157,000	186,800	215,900
Maximum Load — Kg	14,740	29,020	43,310	57,240	71,210	84,730	97,930
No. Parts of Line	8	9	10	11	12	13	
Maximum Load — Lbs.	243,000	267,100	289,000	311,000	331,000	350,000	
Maximum Load — Kg	110,220	121,150	131,080	141,060	150,130	158,750	

LOAD LINE: 1-1/8" (28.6mm) — 6 x 31 Warrington-Seale, extra improved plow steel, regular lay, IWRC. Minimum breaking strength 130,000 lb. (58,960 kg). Approx. weight per ft. in lbs. 2.34 (3.48 kg/m)

WHIP LINE: 1-1/8" (28.6mm) — 6 x 25 filler wire, improved plow steel, regular lay, IWRC. Minimum breaking strength 113,000 lb. (51,250 kg). Maximum load = 28,300 lbs./line (12.830 kg). Approx. weight per ft. in lbs. 2.34 (3.48 kg/m).

**Refer to drum and lagging chart No. 4865.**

# LIFT CRANE CAPACITIES

# 4000W CRAWLER

**BOOM NO. 22 WITH HAMMERHEAD TOP  
24' 0" CRAWLERS — 104,400 LB. COUNTERWEIGHT**

**LIFTING CAPACITIES:** Capacities for various boom lengths and operating radii may be based on per cent of tipping, strength of structural components, operating speeds and other factors.

Capacities are for freely suspended loads and do not exceed **75%** of static tipping loads. Capacities based on structural competence are shown by shaded areas.

Capacities are shown in pounds. Weight of jib, (see chart A), all load blocks, hooks, weight ball, slings, etc., is considered part of the main boom load. Boom is 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.

**OPERATING CONDITIONS:** Machine to operate in a level position on a firm surface with gantry in working position and under conditions referred to in rigging drawing No. 49377 and load line specification chart No. 6138.

Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, as well as adverse operating conditions & physical machine depreciation.

**OPERATING RADIUS:** Operating radius is the horizontal distance from the axis of rotation to the center of vertical hoist line or load block with the load freely suspended. Add 14" to boom point radius for radius of sheave when using single part hoist line.

Boom angle is the angle between horizontal and centerline of boom butt and inserts and is an indication of operating radius. In all cases, operating radius shall govern capacity.

**BOOM POINT ELEVATION:** Boom point elevation, in feet, is the vertical distance from ground level to centerline of boom point shaft.

**MACHINE EQUIPMENT:** Machine equipped with 24' 0" extendible crawlers, 48" treads, 15' retractable gantry, 12 part boom hoist reeving, four 1-3/8" boom pendants, 1st Ctwt. 40,100 lbs.,

2nd Ctwt. 35,800 lbs., 3rd Ctwt. 28,500 lbs. Total counterweight 104,400 pounds.

HOIST REEVING FOR MAIN LOAD BLOCK						
No. Parts of Line	1	2	3	4	5	6
Max. Load — Lbs.	32,500	64,000	95,500	126,200	157,000	186,800
No. Parts of Line	7	8	9	10	11	12
Max. Load — Lbs.	215,900	243,000	267,100	281,000	294,000	300,000

LOAD AND WHIP LINE SPECIFICATIONS	
LOAD LINE: 1-1/8" — 6x31 Warrington-Seale, Extra Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 65 Ton.	
WHIP LINE: 1-1/8" — 6x25 Filler Wire, Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 56.5 Ton. Maximum Load — 28,300 lbs. per Line.	

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED			
OVER FRONT OF BLOCKED CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS	
Boom Length	Jib No. 123	Boom Length	Jib No. 123
220'	—	200'	—
210'	—	190'	—
200'	40'	180'	50'
190'	60'	170'	60'
OVER SIDE OF RETRACTED CRAWLERS		(A) DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED	
Boom Length	Jib No. 123	Jib Length	Jib No. 123
190'	—	30'	2,700 Lb.
180'	—	40'	3,300 Lb.
170'	50'	50'	3,900 Lb.
160'	60'	60'	4,600 Lb.

Load block, hook and weight ball on ground at start.

For jib capacities, consult jib chart.

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
16	82.5	76.1	300,000	300,000	
17	81.7	75.9	274,300	300,000	
18	80.8	75.7	247,200	288,000	
19	80.0	75.5	224,800	268,300	
20	79.2	75.2	206,000	251,000	
22	77.5	74.7	176,300	213,200	
24	75.8	74.2	153,800	184,000	
26	74.1	73.5	136,200	161,600	
28	72.3	72.8	122,100	143,900	
30	70.6	72.0	110,500	129,500	
32	68.8	71.2	100,700	117,600	
34	67.0	70.3	92,500	107,600	
36	65.2	69.3	85,400	99,100	
38	63.3	68.2	79,300	91,800	
40	61.4	67.0	73,900	85,300	
45	56.5	63.7	62,900	72,400	
50	51.2	59.7	54,500	62,600	
55	45.5	54.8	47,900	54,900	
60	39.1	48.8	42,500	48,800	
65	31.6	41.0	38,100	43,700	
70	21.4	29.7	34,400	39,500	
17	82.7	86.1	274,100	294,000	
18	82.0	85.9	246,900	287,400	
19	81.3	85.7	224,500	267,600	
20	80.5	85.5	205,700	250,300	
22	79.1	85.0	176,000	213,000	
24	77.6	84.5	153,500	183,700	
26	76.1	84.0	135,800	161,300	
28	74.6	83.4	121,700	143,500	
30	73.1	82.7	110,000	129,200	
32	71.6	82.0	100,300	117,200	
34	70.0	81.2	92,000	107,200	
36	68.5	80.4	84,900	98,700	
38	66.9	79.4	78,800	91,300	
40	65.3	78.5	73,400	84,900	
45	61.2	75.7	62,400	71,900	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
50	57.0	72.4	54,000	62,100	
55	52.4	68.5	47,400	54,500	
60	47.6	64.0	42,000	48,300	
65	42.3	58.6	37,600	43,200	
70	36.4	51.9	33,900	38,900	
75	29.3	43.5	30,700	35,300	
80	19.9	31.3	28,000	32,200	
19	82.3	95.8	224,300	267,100	
20	81.6	95.7	205,500	250,600	
22	80.3	95.3	175,700	212,800	
24	79.0	94.8	153,200	183,500	
26	77.7	94.3	135,500	161,000	
28	76.4	93.8	121,400	143,300	
30	75.1	93.2	109,700	128,900	
32	73.7	92.6	100,000	117,000	
34	72.4	91.9	91,700	106,900	
36	71.0	91.2	84,600	98,400	
38	69.6	90.4	78,400	91,000	
40	68.3	89.5	73,000	84,600	
45	64.7	87.1	62,000	71,600	
50	61.1	84.3	53,600	61,800	
55	57.3	81.1	47,000	54,100	
60	53.3	77.4	41,600	47,900	
65	49.1	73.0	37,200	42,800	
70	44.6	68.0	33,500	38,600	
75	39.7	62.1	30,300	35,000	
80	34.1	54.9	27,600	31,900	
85	27.5	45.8	25,200	29,200	
90	18.6	32.7	23,100	26,800	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
20	82.5	105.8	205,100	243,000	
22	81.3	105.5	175,300	212,500	
24	80.1	105.1	152,700	183,200	
26	79.0	104.6	135,100	160,700	
28	77.8	104.2	120,900	142,900	
30	76.6	103.6	109,200	128,500	
32	75.4	103.1	99,500	116,500	
34	74.2	102.4	91,200	106,500	
36	73.0	101.8	84,100	97,900	
38	71.8	101.1	77,900	90,500	
40	70.6	100.3	72,500	84,100	
45	67.4	98.2	61,500	71,100	
50	64.3	95.8	53,100	61,300	
55	61.0	93.0	46,500	53,600	
60	57.6	89.8	41,100	47,400	
65	54.0	86.2	36,600	42,300	
70	50.3	82.0	32,900	38,000	
75	46.4	77.3	29,800	34,400	
80	42.1	71.8	27,000	31,300	
85	37.5	65.4	24,600	28,600	
90	32.2	57.7	22,500	26,200	
95	25.9	48.0	20,700	24,100	
100	17.5	34.1	19,000	22,300	

Capacities continued on reverse side.

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
22	82.1	115.6	175,000	212,300	
24	81.0	115.3	152,500	182,900	
26	80.0	114.9	134,800	160,400	
28	78.9	114.4	120,600	142,600	
30	77.8	114.0	108,900	128,200	
32	76.8	113.4	99,100	116,200	
34	75.7	112.9	90,900	106,200	
36	74.6	112.3	83,700	97,600	
38	73.5	111.7	77,600	90,200	
40	72.4	111.0	72,100	83,700	
45	69.6	109.1	61,100	70,800	
50	66.8	106.9	52,700	60,900	
55	63.9	104.4	46,100	53,200	
60	60.9	101.6	40,700	47,000	
65	57.8	98.5	36,300	41,900	
70	54.6	94.9	32,500	37,600	
75	51.3	90.9	29,400	34,000	
80	47.8	86.4	26,600	30,900	
85	44.0	81.2	24,300	28,200	
90	40.0	75.3	22,200	25,800	
95	35.6	68.5	20,300	23,800	
100	30.6	60.3	18,700	21,900	
105	24.6	50.0	17,200	20,200	
110	16.6	35.5	15,800	18,700	
24	81.8	125.4	152,000	182,600	
26	80.8	125.1	134,300	160,000	
28	79.8	124.7	120,100	142,200	
30	78.9	124.2	108,400	127,700	
32	77.9	123.8	98,600	115,800	
34	76.9	123.3	90,400	105,700	
36	75.9	122.7	83,200	97,100	
38	74.9	122.1	77,000	89,700	
40	73.9	121.5	71,600	83,300	
45	71.4	119.8	60,600	70,200	
50	68.8	117.8	52,200	60,400	
55	66.2	115.6	45,500	52,700	
60	63.6	113.1	40,100	46,500	
65	60.8	110.3	35,700	41,400	
70	58.0	107.2	32,000	37,100	
75	55.1	103.7	28,800	33,500	
80	52.1	99.8	26,000	30,300	
85	48.9	95.4	23,700	27,600	
90	45.6	90.5	21,600	25,300	
95	42.0	85.0	19,700	23,200	
100	38.2	78.7	18,100	21,300	
105	34.0	71.5	16,600	19,600	
110	29.2	62.8	15,200	18,100	
115	23.5	52.0	14,000	16,800	
120	15.8	36.7	12,900	15,500	
24	82.4	135.5	151,900	182,500	
26	81.5	135.2	134,200	159,900	
28	80.6	134.8	120,000	142,100	
30	79.7	134.5	108,300	127,600	
32	78.8	134.0	98,500	115,600	
34	77.9	133.6	90,200	105,600	
36	77.0	133.1	83,100	97,000	
38	76.1	132.5	76,900	89,600	
40	75.2	132.0	71,500	83,100	
45	72.9	130.4	60,500	70,100	
50	70.5	128.6	52,000	60,300	
55	68.2	126.6	45,400	52,500	
60	65.8	124.3	40,000	46,300	
65	63.3	121.8	35,600	41,200	
70	60.8	119.0	31,800	36,900	
75	58.2	115.8	28,600	33,300	
80	55.5	112.4	25,900	30,200	
85	52.7	108.6	23,500	27,500	
90	49.8	104.4	21,400	25,100	
95	46.8	99.7	19,600	23,000	
100	43.6	94.5	17,900	21,200	
105	40.2	88.6	16,400	19,500	
110	36.6	82.0	15,100	18,000	
115	32.5	74.3	13,900	16,600	
120	28.0	65.2	12,800	15,400	
125	22.5	53.9	11,700	14,200	
130	15.1	37.9	10,800	13,200	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
26	82.1	145.3	133,800	157,000	
28	81.3	145.0	119,500	141,700	
30	80.5	144.6	107,800	127,200	
32	79.6	144.2	98,000	115,200	
34	78.8	143.8	89,700	105,100	
36	78.0	143.4	82,600	96,500	
38	77.1	142.9	76,400	89,100	
40	76.3	142.3	71,000	82,700	
45	74.2	140.9	59,900	69,600	
50	72.0	139.3	51,500	59,700	
55	69.8	137.4	44,800	52,000	
60	67.6	135.3	39,400	45,800	
65	65.3	133.0	35,000	40,700	
70	63.0	130.4	31,300	36,400	
75	60.7	127.6	28,100	32,800	
80	58.3	124.5	25,300	29,600	
85	55.8	121.1	22,900	26,900	
90	53.3	117.4	20,800	24,600	
95	50.6	113.3	19,000	22,500	
100	47.9	108.7	17,300	20,600	
105	45.0	103.8	15,800	18,900	
110	41.9	98.2	14,500	17,400	
115	38.7	92.0	13,300	16,000	
120	35.1	85.1	12,200	14,800	
125	31.3	77.0	11,200	13,600	
130	26.9	67.5	10,200	12,600	
135	21.6	55.7	9,400	11,600	
26	82.7	155.5	133,400	157,000	
28	81.9	155.2	119,100	141,300	
30	81.1	154.8	107,400	126,800	
32	80.3	154.4	97,600	114,800	
34	79.6	154.0	89,300	104,800	
36	78.8	153.6	82,200	96,200	
38	78.0	153.2	76,000	88,700	
40	77.2	152.7	70,600	82,300	
45	75.2	151.3	59,500	69,200	
50	73.2	149.8	51,100	59,300	
55	71.2	148.1	44,400	51,600	
60	69.2	146.2	39,000	45,400	
65	67.1	144.0	34,600	40,300	
70	65.0	141.7	30,800	36,000	
75	62.8	139.1	27,600	32,300	
80	60.7	136.3	24,900	29,200	
85	58.4	133.2	22,500	26,500	
90	56.1	129.8	20,400	24,100	
95	53.7	126.1	18,500	22,000	
100	51.3	122.1	16,900	20,100	
105	48.7	117.7	15,400	18,500	
110	46.1	113.0	14,100	17,000	
115	43.3	107.7	12,800	15,600	
120	40.4	101.9	11,700	14,300	
125	37.3	95.4	10,700	13,200	
130	33.9	88.0	9,800	12,200	
135	30.1	79.6	8,900	11,200	
140	25.9	69.7	8,100	10,300	
145	20.8	57.5	7,400	9,500	
28	82.4	165.3	118,700	140,900	
30	81.7	165.0	107,000	126,400	
32	81.0	164.6	97,200	114,400	
34	80.2	164.2	88,800	104,300	
36	79.5	163.8	81,700	95,700	
38	78.8	163.4	75,500	88,300	
40	78.0	163.0	70,000	81,800	
45	76.2	161.7	59,000	68,700	
50	74.3	160.3	50,500	58,800	
55	72.4	158.7	43,800	51,100	
60	70.5	156.9	38,500	44,800	
65	68.6	154.9	34,000	39,700	
70	66.7	152.7	30,300	35,400	
75	64.7	150.4	27,100	31,800	
80	62.7	147.8	24,300	28,700	
85	60.6	144.9	21,900	25,900	
90	58.5	141.9	19,800	23,600	
95	56.4	138.5	18,000	21,400	
100	54.1	134.9	16,300	19,600	
105	51.9	131.0	14,800	17,900	
110	49.5	126.7	13,500	16,400	
115	47.1	122.1	12,200	15,000	
120	44.5	117.0	11,100	13,800	
125	41.9	111.5	10,100	12,600	
130	39.0	105.3	9,200	11,600	
135	36.0	98.5	8,300	10,600	
140	32.7	90.9	7,500	9,700	
145	29.1	82.2	6,800	8,900	
150	25.0	71.9	6,100	8,100	
155	20.1	59.1	5,500	7,400	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
30	82.2	175.1	106,700	126,200	
32	81.5	174.8	96,900	114,200	
34	80.8	174.4	88,600	104,100	
36	80.1	174.0	81,500	95,500	
38	79.4	173.6	75,300	88,000	
40	78.7	173.2	69,800	81,600	
45	77.0	172.0	58,700	68,500	
50	75.3	170.7	50,300	58,600	
55	73.5	169.2	43,600	50,800	
60	71.7	167.5	38,200	44,600	
65	69.9	165.7	33,800	39,500	
70	68.1	163.7	30,000	35,200	
75	66.3	161.4	26,800	31,600	
80	64.4	159.0	24,100	28,400	
85	62.5	156.4	21,700	25,700	
90	60.6	153.6	19,600	23,300	
95	58.6	150.5	17,700	21,200	
100	56.6	147.2	16,100	19,300	
105	54.5	143.6	14,600	17,700	
110	52.4	139.8	13,200	16,200	
115	50.2	135.6	12,000	14,800	
120	47.9	131.1	10,900	13,500	
125	45.6	126.2	9,900	12,400	
130	43.1	120.9	9,000	11,300	
135	40.5	115.1	8,100	10,400	
140	37.8	108.7	7,300	9,500	
145	34.9	101.6	6,600	8,700	
150	31.7	93.7	5,900	7,900	
155	28.2	84.6	5,200	7,200	
160	24.2	74.0	4,600	6,500	
165	19.5	60.8	4,000	5,900	
30	82.6	185.2	106,300	125,800	
32	82.0	184.9	96,500	113,800	
34	81.3	184.6	88,100	103,700	
36	80.7	184.2	81,000	95,000	
38	80.0	183.8	74,800	87,600	
40	79.4	183.4	69,300	81,100	
45	77.8	182.3	58,200	68,000	
50	76.1	181.1	49,800	58,100	
55	74.5	179.7	43,100	50,300	
60	72.8	178.1	37,700	44,100	
65	71.1	176.4	33,200	39,000	
70	69.4	174.5	29,500	34,700	
75	67.7	172.4	26,300	31,000	
80	65.9	170.1	23,500	27,900	
85	64.2	167.7	21,100	25,200	
90	62.4	165.1	19,000	22,800	
95	60.5	162.2	17,200	20,700	
100	58.7	159.2	15,500	18,800	
105	56.8	155.9	14,000	17,100	
110	54.8	152.4	12,700	15,600	
115	52.8	148.6	11,400	14,200	
120	50.8	144.5	10,300	13,000	
125	48.7	140.1	9,300	11,800	
130	46.5	135.4	8,400	10,800	
135	44.2	130.2	7,500	9,800	
140	41.8	124.7	6,700	8,900	
145	39.3	118.6	6,000	8,100	
150	36.7	112.0	5,300	7,300	
155	33.8	104.6	4,700	6,600	
160	30.8	96.4	4,100	5,900	
165	27.4	87.0	3,600	5,300	
170	23.5	76.0	3,100	4,700	

Capacities continued on next page.

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
32	32	82.4	195.0	96,000	113,400
34	34	81.8	194.7	87,700	103,300
36	36	81.2	194.4	80,500	94,600
38	38	80.6	194.0	74,300	87,200
40	40	80.0	193.6	68,900	80,700
45	45	78.4	192.6	57,800	67,600
50	50	76.9	191.4	49,300	57,700
55	55	75.3	190.1	42,600	49,900
60	60	73.7	188.6	37,200	43,600
65	65	72.1	187.0	32,800	38,500
70	70	70.5	185.2	29,000	34,200
75	75	68.9	183.2	25,800	30,600
80	80	67.3	181.1	23,100	27,400
85	85	65.6	178.8	20,700	24,700
90	90	64.0	176.4	18,600	22,300
95	95	62.2	173.7	16,700	20,200
100	100	60.5	170.9	15,000	18,300
105	105	58.7	167.9	13,500	16,600
110	110	56.9	164.6	12,200	15,100
115	115	55.1	161.1	11,000	13,800
120	120	53.2	157.4	9,900	12,500
125	125	51.3	153.4	8,800	11,400
130	130	49.3	149.1	7,900	10,300
135	135	47.3	144.4	7,000	9,300
140	140	45.1	139.5	6,200	8,500
145	145	42.9	134.1	5,500	7,600
150	150	40.6	128.3	4,800	6,900
155	155	38.2	122.0	4,200	6,100
160	160	35.6	115.1		5,500
165	165	32.9	107.5		4,900
170	170	29.9	99.0		4,300

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Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
34	34	82.6	214.9	86,900	95,500
36	36	82.0	214.6	79,800	93,900
38	38	81.5	214.3	73,500	86,400
40	40	80.9	214.0	68,100	79,900
45	45	79.5	213.0	57,000	66,800
50	50	78.1	212.0	48,500	56,900
55	55	76.7	210.8	41,800	49,100
60	60	75.3	209.4	36,400	42,800
65	65	73.9	208.0	31,900	37,700
70	70	72.5	206.4	28,200	33,400
75	75	71.0	204.6	25,000	29,700
80	80	69.6	202.8	22,200	26,600
85	85	68.1	200.7	19,800	23,900
90	90	66.6	198.6	17,700	21,500
95	95	65.1	196.2	15,800	19,400
100	100	63.6	193.7	14,200	17,500
105	105	62.0	191.1	12,700	15,800
110	110	60.5	188.2	11,300	14,300
115	115	58.9	185.2	10,100	12,900
120	120	57.2	182.0	9,000	11,600
125	125	55.6	178.5	8,000	10,500
130	130	53.9	174.9	7,000	9,500
135	135	52.2	171.0	6,200	8,500
140	140	50.4	166.9	5,400	7,600
145	145	48.6	162.5	4,600	6,800
150	150	46.7	157.8		6,000
155	155	44.8	152.7		5,300
160	160	42.8	147.4		4,600
165	165	40.7	141.6		4,000

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36	36	82.4	224.7	79,300	93,400
38	38	81.9	224.4	73,100	86,000
40	40	81.3	224.1	67,600	79,500
45	45	80.0	223.2	56,500	66,300
50	50	78.7	222.2	48,000	56,400
55	55	77.3	221.1	41,300	48,600
60	60	76.0	219.8	35,900	42,300
65	65	74.7	218.4	31,400	37,200
70	70	73.3	216.9	27,600	32,900
75	75	71.9	215.2	24,400	29,200
80	80	70.5	213.5	21,700	26,100
85	85	69.1	211.5	19,300	23,300
90	90	67.7	209.5	17,200	20,900
95	95	66.3	207.3	15,300	18,800
100	100	64.9	204.9	13,600	16,900
105	105	63.4	202.4	12,100	15,200
110	110	61.9	199.7	10,800	13,700
115	115	60.4	196.9	9,500	12,300
120	120	58.9	193.9	8,400	11,100
125	125	57.4	190.6	7,400	9,900
130	130	55.8	187.2	6,500	8,900
135	135	54.2	183.6	5,600	7,900
140	140	52.6	179.8	4,800	7,000
145	145	50.9	175.7	4,100	6,200
150	150	49.2	171.4		5,400
155	155	47.4	166.8		4,700
160	160	45.6	161.9		4,000