

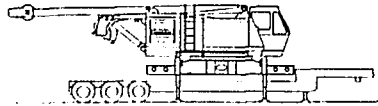


# 230 Ton Manitowoc 888

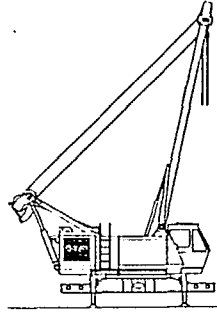


MAXIM CRANE WORKS - (877) MAX-LIFT (629-5438)  
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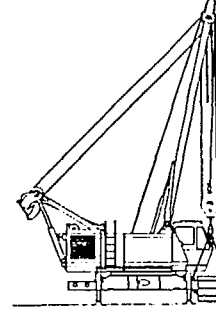
**888 SELF-ASSEMBLY**



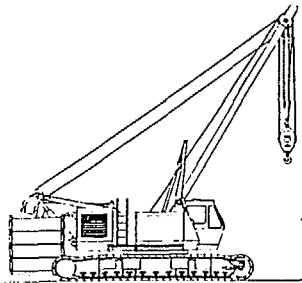
**1** The main shipping module, including carbody, upperworks, gantry, mast, and boom-hoist reeving, arrives as a unit. Optional hydraulic jacks mounted on the carbody raise the unit off its transport trailer.



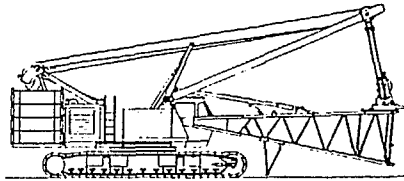
**2** Hydraulic cylinders raise the gantry to working position and lift the mast to vertical. The boom hoist rigging then lowers the mast so it can be rigged with the set-up load block. Wire rope from one of the hoist drums is reeved through sheaves in the mast to rig the block.



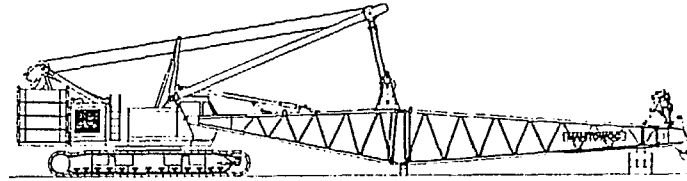
**3** The mast is used to install the crawlers, handle boom sections, stack the counterweights, and lift other components. Crawlers attach using FACT alignment surfaces and powered pins.



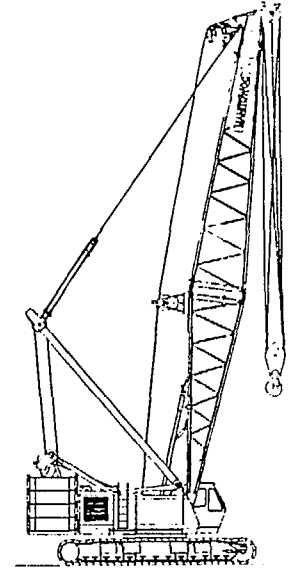
**4** The gantry is lowered and pinned to the assembled counterweight. Hydraulic cylinders raise the gantry and counterweight to working position. The counterweight is then connected to the back of the upperworks by power-activated pins.



**5** The mast is used to lay boom sections and install the boom butt. Power-activated pins simplify installation of the butt.

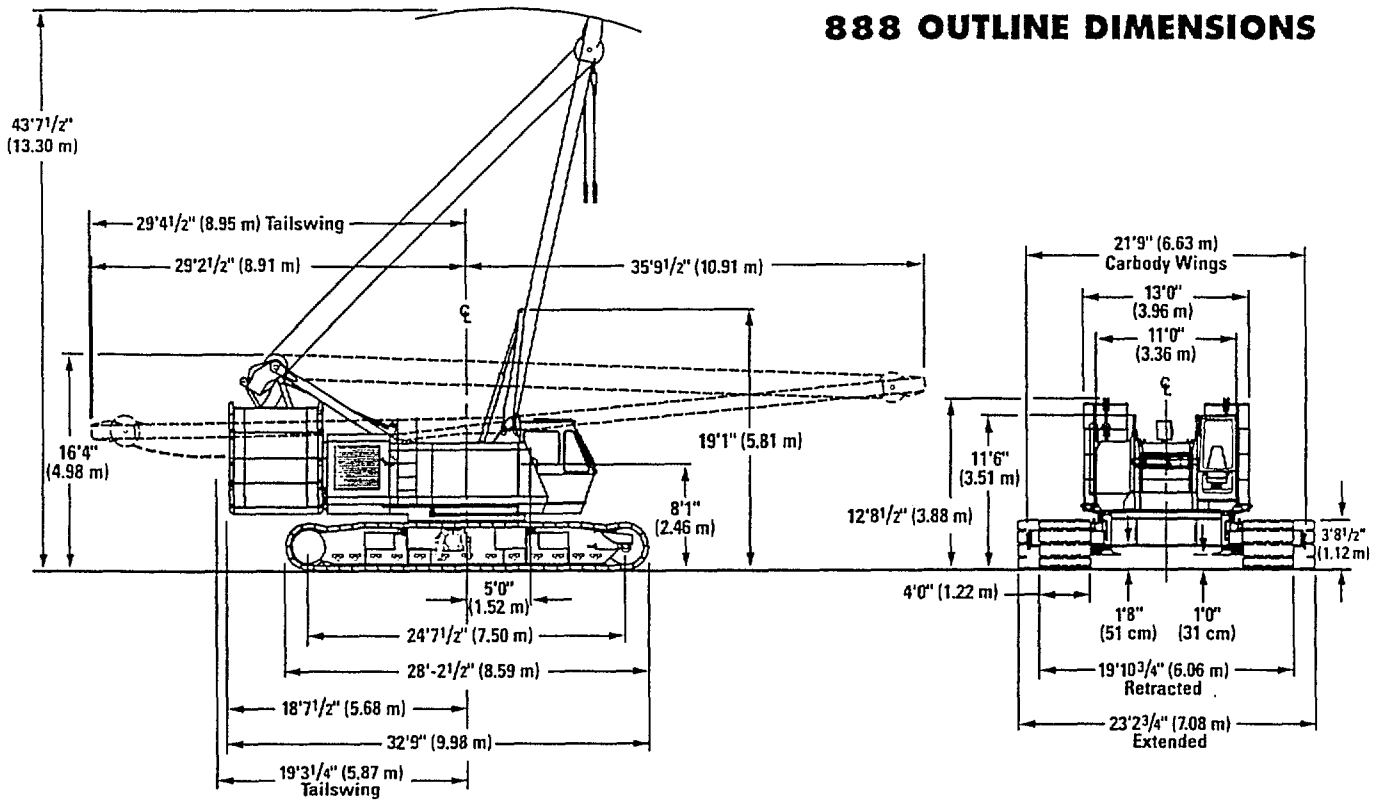


**6** Boom inserts and top are pinned to the boom butt. Boom-support pendants are pinned to the mast and boom top. Main and auxiliary load lines are reeved.



**7** The assembled 888 booms up and is ready to work.

## 888 OUTLINE DIMENSIONS



## SPECIFICATIONS

### UPPERWORKS

**ROTATING BED:** High-strength fabricated steel rotating bed is mounted on 108" diameter turntable bearing.

**HOIST DRUMS:** Two full-width hoist drums are standard. Both drums are 37" wide and 19 1/2" in diameter. Each is antifriction bearing mounted and driven independently by a variable-displacement hydraulic motor coupled to a planetary reduction. External contracting brakes mounted to the drum shafts are air applied and equipped with spring-set air-released parking brakes. A bi-directional redundant brake mounted between the hydraulic motor and planetary drive is standard for each hoist, and each drum is equipped with ratchet and pawl. A freefall clutch, laggings, and other options are available.

**BOOM HOIST:** Independent boom hoist is powered by a variable-displacement hydraulic motor coupled to a planetary reduction. It is equipped with a bi-directional brake and a ratchet-and-pawl. The boom hoist drum is grooved and measures 13 3/4" wide by 18 3/4" in diameter.

**SWING SYSTEM:** Independent swing is powered by a fixed-displacement hydraulic motor coupled to an internal brake and planetary reduction. System includes swing lock.

**OPERATOR'S STATION:** Fully enclosed and insulated steel module mounted to the left front corner of the rotating bed. Module is equipped with sliding door, large safety glass windows on all sides and in roof. Standard equipment includes electric horn, cab space heater, dome light, fire extinguisher, air-circulating fan, and windshield wipers for upper front window, lower front window, and roof window.

**ENGINE:** Cummins M11 diesel engine rated 330 HP at 2,100 RPM provides independent power for all machine operations through the multi-hydraulic-pump transmission. Power system includes engine block heater (120V), ether starting aid, transmission disconnect clutch, high-silencing muffler, alcohol injector in air line, hydraulic oil cooler, radiator, and fan.

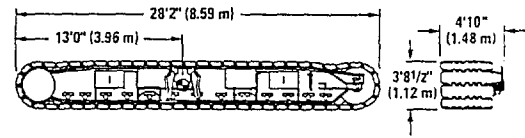
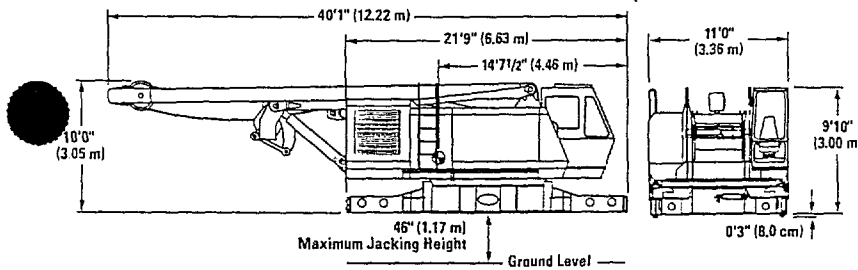
**CONTROLS:** Modulating electronic-over-hydraulic controls provide infinite speed response directly proportional to control lever movement. Controls include Manitowoc's exclusive EPIC® control system providing microprocessor driven control logic, pump control, on-board diagnostics and service information. Block up limit control and drum-rotation indicator are standard for hoist and whip falls.

### LOWERWORKS

**CARBODY:** Connects rotating bed to crawlers. High-strength fabricated steel assembly with patented FACT™ connection system for fast removal of crawler assemblies. Optional self-assembly system includes four hydraulic jacks that raise entire upperworks-and-carbody unit off the transport trailer. Hydraulic jacks support this unit during crawler installation and removal.

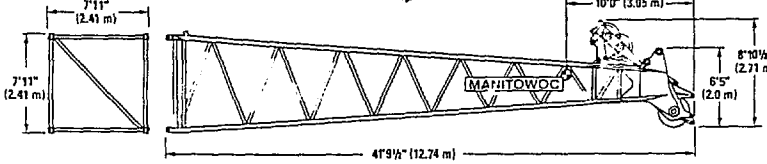
**CRAWLERS:** Crawlers are 28'2 1/2" long steel fabrication with 48" wide cast steel crawler tread and sealed low-maintenance intermediate rollers. Each crawler is powered independently by a variable-displacement hydraulic motor. Crawlers provide ample tractive effort to counter rotate with full rated liftcrane capacities. Each crawler includes two hydraulically powered pins for fast installation and removal from carbody.

# EASY MOBILIZATION

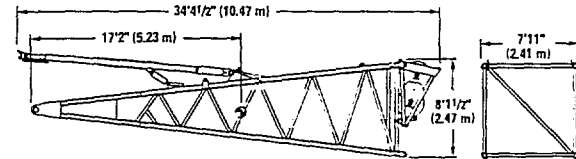


Crawler assembly (2), each 41,300 lb.

Main shipping module (carbody, upperworks, operator's cab, gantry, mast, boom-hoist wire rope, and optional self-assembly jacks): 84,500 lb. For maximum hoist and whip lines, add 6,000 lb. Maximum trailer height for self assembly: 42". Space between jacks will accommodate trailers up to 10' wide.



Boom top with seven-sheave lower point, upper wire-rope guide, and basic pendants: 11,090 lb.



Boom butt with lower wire-rope guide and air-cushioned physical boom stop: 10,260 lb.

Component	Weight (Lb)	Length	Width	Height
Upperworks counterweight tray	21,050	13'0"	7'4"	1'0 1/2"
Upperworks center counterweight	18,000	7'6 1/2"	4'1 1/2"	5'0"
Upperworks side counterweight (6 for Series-1; 8 for Series-2) each	17,500	7'4"	3'6"	2'3"
Carbody counterweight (2) (used only on Series-2) each	22,000	9'10 1/2"	4'10 1/2"	2'4"
10' No. 22 boom insert with pendants	1,935	10'6"	7'11"	7'11"
20' No. 22 boom insert with pendants	3,130*	20'6"	7'11"	7'11"*
40' No. 22 boom insert with pendants	5,300*	40'6"	7'11"	7'11"*
40' No. 22C open-throat boom top with pendants and wire-rope guide	11,795	45'9"	7'11"	10'6 1/2"
30' basic No. 123 jib with strut and pendants	2,095	31'6"	2'6"	3'0"
30' basic No. 134 jib with strut and pendants	3,443	31'6"	2'6"	3'0"
10' insert (with pendants) for No. 123 or No. 134 jib	480	10'6"	2'6"	2'6"
20' No. 134 jib insert with pendants	750	20'3"	2'7"	2'7"
27' No. 135 luffing-jib butt	2,285	27'7"	5'0"	4'1"
23' No. 135 luffing-jib top with pendants	3,150	25'7"	5'0"	4'10"
Main strut for No. 135 luffing-jib	3,400	24'11"	5'1"	2'3"
Jib strut for No. 135 luffing-jib	4,500	28'5"	5'0"	2'3"
10' No. 135 luffing-jib insert with pendants	845	10'4"	5'0"	4'1"
20' No. 135 luffing-jib insert with pendants	1,350	20'4"	5'0"	4'1"
40' No. 135 luffing-jib insert with pendants	2,320	40'4"	5'0"	4'1"
Box of miscellaneous parts	4,700	7'6"	3'4"	~2'10"

\* 100 lb heavier and 8'4" height for inserts with lugs for jib backstay.

## MANITOWOC'S 888...EVERYTHING YOU WANT FROM A CRANE:

**CAPACITY:** 230-ton maximum capacity. Outlifts many 275-ton lattice-boom cranes and 400-ton telescopic-boom cranes at useful boom lengths and normal working radii.

**ABILITY:** Complete 888 Series-1 with 260' of boom ships on 10 trucks. 888 Series-2 with 290' of boom ships on 11 trucks.

**RELIABILITY:** The 888 is designed and manufactured to deliver the same performance and long life that have earned other Manitowoc cranes a worldwide reputation for reliability and high resale value.

**CODE COMPLIANCE:** Manitowoc is preparing the 888 to comply with all major operating codes, including the OSHA/ANSI, DIN, Keboma, British, and French standards.



**MANITOWOC ENGINEERING CO.**  
 Division of The Manitowoc Company, Inc.  
 P.O. Box 70 • 2401 S. 30th St. • Manitowoc, WI 54221-0070  
 Telephone: 414-684-6621 • Telefax: 414-683-6277

*Because of continuing improvements, Manitowoc Engineering Co. reserves the right to change specifications at any time, without notice.*

## PERFORMANCE DATA

Wire Rope Specifications					
Application	Dia.	Description	Breaking Strength	Weight	Length
Lift	26 mm	2160 Grade, Rotation Resistant	147,500 lb	2.13 lb/ft	1,625' Hoist 1,010' Whip
Boom Hoist	22 mm	1960 Grade, Right Regular Lay	97,000 lb	1.46 lb/ft	1,060'

Line Pull vs. Line Speed*			
Line Pull (Infinitely Variable)	1st Layer	4th Layer	7th Layer
0 lb	270 fpm	350 fpm	430 fpm
5,000 lb	265 fpm	345 fpm	420 fpm
10,000 lb	260 fpm	335 fpm	405 fpm
15,000 lb	255 fpm	325 fpm	395 fpm
20,000 lb	250 fpm	315 fpm	325 fpm
25,000 lb	245 fpm	260 fpm	260 fpm
30,000 lb	215 fpm	220 fpm	220 fpm

\*Based on 19/32" diameter smooth drum.

**SWING SPEED:** 2.0 RPM.

**GRADEABILITY:** 30%

**TRAVEL SPEED:** 1.0 MPH.

**BOOM HOIST SPEED:** 290' boom, 0° to 82°, 2 minutes, 50 seconds.



### LIFTCRANE ATTACHMENT

**BASIC BOOM:** The liftcrane is equipped with 70' No. 22EL basic boom consisting of 30' butt and 40' No. 22L top with seven 30" diameter sheaves (eighth sheave optional). Includes rope guides, boom-hoist wire rope, boom-angle indicator, and hook and weight ball. Boom inserts available in 10', 20', and 40' lengths. Powered boom-hinge pins are standard.

**MAST:** The 32' long moving mast connects the boom-hoist reeving to the boom pendants. The mast facilitates self assembly and disassembly of the Model 888. It is capable of handling the crawlers, stacking the counterweights, and assembling the boom and jib.

**GANTRY:** Gantry includes hydraulic gantry-raising cylinders capable of lifting the entire upperworks counterweight for self-removal and installation.

**BOOM STOP:** Air-cushioned physical boom stop and automatic boom stop.

**COUNTERWEIGHT:** The eight-piece counterweight assembly for the 888 Series-1 weighs 144,100 lb. It consists of a counterweight tray (21,050 lb), a center counterweight (18,000 lb), and six upper side counterweights (17,500 lb each). The Series-2 counterweight option includes two additional upper side counterweights (17,500 lb each) and two carbody counterweights (22,000 lb each), for a total counterweight of 223,100 lb.

### OPTIONAL EQUIPMENT

#### BOOM AND JIB:

- Boom No. 22E or 22EL
- 10' Insert with pendants
- 10' Insert with pendants (used with auxiliary drum)
- 20' Insert with pendants
- 40' Insert with pendants
- 40' No. 22C open-throat boom top
- 30' Tapered insert with pendants  
(used with light tapered top)
- 50' Light tapered top

#### Jib No. 123

- 30' Jib with mounting parts
- 10' Insert with pendants

#### Jib No. 134

- 30' Jib with mounting parts
- 10' Insert with pendants
- 20' Insert with pendants

#### ATTACHMENTS:

- Load blocks
- Single-sheave upper boom point (whipline)™
- Series-2 package
- No. 135 luffing-jib attachment
- RINGER® attachment
- Other attachments on request

#### BASIC CRANE OPTIONS:

- Air conditioner in operator's cab
- Foot control for travel
- Special paint — enamel in  
color other than Manitowoc standard
- Self-assembly system with jacks
- Grooved laggings for liftcrane
- Grooved laggings for clamshell
- Load-moment indicator (LMI)
- High-speed third drum with 20,000-lb. line pull
- Free-fall clutch

# REFERENCE CAPACITY CHART

LIFTCRANE CAPACITIES

144,100-LB COUNTERWEIGHT

360 DEGREE RATING



**MANITOWOC**

Model 888 Series 1

Boom No. 22EL

Liftcrane capacities comply with ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Weight of all load blocks, hooks, weight balls, slings, hoist lines, etc., beneath boom point sheaves is considered part of load. Where no capacity is shown operation is not intended or approved.

Machine equipped with 28' 2" long fully extended crawlers, 48" treads, 10' 3" gantry, 30' mast, 20-part boom hoist line, four 1-3/8" boom pendants and 144,100-lb upperworks counterweight assembly.

Liftcrane Capacities (Thousands of Pounds)												
Radius (Feet)	Boom Lengths (Feet)											
	70	80	100	120	140	160	180	200	220	240	250	
16	404.8*											
18	362.2*	361.9*										
20	327.4*	327.1*	326.3*									
22	298.4*	298.1*	297.4*	296.3*								
24	273.9*	273.6*	272.9*	271.8*								
26	244.3	245.1	246.0	246.4	246.7							
28	215.6	216.2	217.0	217.3	217.5	217.6						
30	192.6	193.2	193.8	194.1	194.2	194.1	194.0					
34	158.1	158.6	159.1	159.2	159.2	159.0	158.7	158.4	147.3*			
38	133.4	133.8	134.2	134.2	134.2	133.9	133.6	133.2	132.7	121.2*	109.7*	
42	114.9	115.3	115.6	115.5	115.4	115.0	114.7	114.2	113.7	113.2	109.1*	
46	100.5	100.8	101.1	100.9	100.8	100.4	100.0	99.5	98.9	98.3	98.1	
50	88.9	89.2	89.5	89.3	89.1	88.7	88.2	87.7	87.1	86.5	86.2	
60	68.0	68.3	68.5	68.3	68.1	67.5	67.1	66.4	65.8	65.1	64.8	
70	53.8	54.3	54.5	54.2	54.0	53.4	53.0	52.2	51.6	50.8	50.5	
80		44.0	44.4	44.2	44.0	43.3	42.9	42.1	41.5	40.7	40.3	
90			36.8	36.6	36.4	35.8	35.3	34.5	33.8	33.0	32.7	
100			30.8	30.7	30.5	29.9	29.4	28.6	27.9	27.1	26.7	
110				25.9	25.8	25.1	24.6	23.8	23.2	22.3	22.0	
120				21.9	21.9	21.2	20.7	19.9	19.3	18.4	18.1	
130					18.6	18.0	17.5	16.7	16.0	15.1	14.8	
140					15.7	15.2	14.7	13.9	13.3	12.4	12.0	
150						12.8	12.3	11.5	10.9	10.0	9.7	
160						10.6	10.3	9.5	8.8	7.9	7.6	
170							8.4	7.6	7.0	6.1	5.8	
180								6.0	5.4	4.5	4.2	
190								4.5	4.0			

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# REFERENCE CAPACITY CHART

LIFTCRANE JIB CAPACITIES  
 No. 134 JIB - 5 DEGREE OFFSET  
 144,100-LB COUNTERWEIGHT  
 360 DEGREE RATING



**MANITOWOC**  
 Model 888 Series 1  
 Boom No. 22EL

Liftcrane capacities comply with ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Machine equipped with 28' 2" long fully extended crawlers, 48" treads, 10' 4" gantry, 30' mast, 20-part boom hoist reeving, four 1-3/8" boom pendants, 12' 6" jib strut, 144,100-lb upperworks counterweight assemblies.

Weight of all load blocks, hooks, weight balls, slings, hoist lines, etc., beneath boom and jib point sheaves is considered part of jib load. Where no capacity is shown operation is not intended or approved.

## 30 Foot #134 Jib - 5° Offset

Liftcrane Jib Capacities (Thousands of Pounds)									
Radius (Feet)	Boom Lengths (Feet)								
	90	100	120	140	160	180	200	220	230
30	59.0*	59.0*							
40	59.0*	59.0*	59.0*	59.0*	59.0*				
50	59.0*	59.0*	59.0*	59.0*	59.0*	59.0*	59.0*	59.0*	59.0*
60	58.1*	59.0*	59.0*	59.0*	59.0*	59.0*	59.0*	59.0*	59.0*
70	56.1*	57.0*	56.5	55.9	55.1	54.4	53.6	52.9	52.5
80	47.4	47.1	46.4	45.8	45.0	44.3	43.4	42.7	42.2
90	39.8	39.6	38.8	38.2	37.4	36.7	35.8	35.0	34.6
100	33.9	33.7	32.9	32.3	31.5	30.8	29.8	29.1	28.6
110	29.1	28.9	28.2	27.6	26.7	26.0	25.1	24.3	23.8
120		25.0	24.3	23.7	22.8	22.1	21.2	20.4	19.9
130			21.0	20.5	19.6	18.9	17.9	17.1	16.6
140			18.2	17.7	16.8	16.1	15.2	14.4	13.9
150				15.3	14.4	13.7	12.8	12.0	11.5
160				13.2	12.3	11.7	10.7	9.9	9.4
170					10.5	9.8	8.9	8.1	7.6
180					8.9	8.2	7.3	6.5	6.0
190						6.8	5.9	5.1	4.6
200						5.5	4.6		
205							4.0		

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# REFERENCE CAPACITY CHART

LIFTCRANE JIB CAPACITIES  
 No. 134 JIB - 5 DEGREE OFFSET  
 144,100-LB COUNTERWEIGHT  
 360 DEGREE RATING



**MANITOWOC**  
 Model 888 Series 1  
 Boom No. 22EL

Liftcrane capacities comply with ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Machine equipped with 28' 2" long fully extended crawlers, 48" treads, 10' 4" gantry, 30' mast, 20-part boom hoist reeving, four 1-3/8" boom pendants, 12' 6" jib strut, 144,100-lb upperworks counterweight assemblies.

Weight of all load blocks, hooks, weight balls, slings, hoist lines, etc., beneath boom and jib point sheaves is considered part of jib load. Where no capacity is shown operation is not intended or approved.

## 40 Foot #134 Jib 5° Offset

Liftcrane Jib Capacities (Thousands of Pounds)									
Radius (Feet)	Boom Lengths (Feet)								
	90	100	120	140	160	180	200	220	230
30	53.6*								
40	50.5*	51.1*	52.3*	53.2*					
50	47.8*	48.5*	49.8*	50.9*	51.8*	52.6*	53.3*	53.9*	
60	45.4*	46.2*	47.7*	48.9*	49.9*	50.8*	51.6*	52.3*	52.6*
70	43.4*	44.2*	45.7*	47.0*	48.1*	49.1*	50.0*	50.7*	51.1*
80	41.7*	42.5*	44.0*	45.4*	45.7	45.0	44.2	43.4	43.0
90	40.2*	40.4	39.6	39.0	38.1	37.4	36.5	35.7	35.3
100	34.7	34.5	33.7	33.0	32.1	31.4	30.5	29.7	29.2
110	30.0	29.7	28.9	28.3	27.4	26.6	25.7	24.9	24.4
120	26.0	25.8	25.0	24.3	23.4	22.7	21.8	21.0	20.5
130		22.4	21.7	21.1	20.2	19.4	18.5	17.7	17.2
140			18.9	18.3	17.4	16.7	15.7	14.9	14.4
150			16.5	15.9	15.0	14.3	13.3	12.5	12.0
160				13.8	12.9	12.2	11.2	10.4	9.9
170				11.9	11.1	10.4	9.4	8.6	8.1
180					9.4	8.8	7.8	7.0	6.5
190					8.0	7.3	6.4	5.6	5.0
200						6.0	5.1	4.3	
210						4.8			

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# REFERENCE CAPACITY CHART

LIFTCRANE JIB CAPACITIES  
 No. 134 JIB - 5 DEGREE OFFSET  
 144,100-LB COUNTERWEIGHT  
 360 DEGREE RATING



**MANITOWOC**  
 Model 888 Series 1  
 Boom No. 22EL

Liftcrane capacities comply with ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Machine equipped with 28' 2" long fully extended crawlers, 48" treads, 10' 4" gantry, 30' mast, 20-part boom hoist reeving, four 1-3/8" boom pendants, 12' 6" jib strut, 144,100-lb upperworks counterweight assemblies.

Weight of all load blocks, hooks, weight balls, slings, hoist lines, etc., beneath boom and jib point sheaves is considered part of jib load. Where no capacity is shown operation is not intended or approved.

## 50 Foot #134 Jib 5° Offset

Liftcrane Jib Capacities (Thousands of Pounds)								
Radius (Feet)	Boom Lengths (Feet)							
	90	100	120	140	160	180	200	220
35	42.9*	43.4*						
40	41.7*	42.2*	43.0*	43.7*				
50	39.4*	40.0*	41.0*	41.9*	42.6*	43.2*	43.7*	
60	37.5*	38.1*	39.2*	40.2*	41.0*	41.7*	42.3*	42.8*
70	35.8*	36.4*	37.6*	38.6*	39.5*	40.3*	40.9*	41.5*
80	34.2*	34.9*	36.2*	37.2*	38.2*	39.0*	39.7*	40.3*
90	32.9*	33.6*	34.9*	36.0*	36.9*	37.8*	37.0	36.2
100	31.8*	32.4*	33.7*	33.5	32.6	31.9	31.0	30.2
110	29.4*	30.3	29.4	28.7	27.8	27.1	26.1	25.3
120	26.7	26.4	25.5	24.8	23.9	23.1	22.2	21.4
130	23.3	23.1	22.2	21.6	20.6	19.9	18.9	18.1
140		20.2	19.4	18.8	17.8	17.1	16.1	15.3
150			17.0	16.4	15.5	14.7	13.7	12.9
160			14.9	14.3	13.4	12.6	11.6	10.8
170				12.5	11.5	10.8	9.8	9.0
180				10.8	9.9	9.2	8.2	7.4
190					8.4	7.7	6.8	5.9
200					7.1	6.4	5.5	4.6
210						5.2	4.3	
220						4.1		

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# REFERENCE CAPACITY CHART

LIFTCRANE JIB CAPACITIES  
 No. 134 JIB - 5 DEGREE OFFSET  
 144,100-LB COUNTERWEIGHT  
 360 DEGREE RATING



**MANITOWOC**  
 Model 888 Series 1  
 Boom No. 22E1

Liftcrane capacities comply with ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Machine equipped with 28' 2" long fully extended crawlers, 48" treads, 10' 4" gantry, 30' mast, 20-part boom hoist reeving, four 1-3/8" boom pendants, 12' 6" jib strut, 144,100-lb upperworks counterweight assemblies.

Weight of all load blocks, hooks, weight balls, slings, hoist lines, etc., beneath boom and jib point sheaves is considered part of jib load. Where no capacity is shown operation is not intended or approved.

## 60 Foot #134 Jib 5° Offset

Liftcrane Jib Capacities (Thousands of Pounds)								
Radius (Feet)	Boom Lengths (Feet)							
	90	100	120	140	160	180	200	220
35	36.1*	36.4*						
40	35.1*	35.5*	36.1*					
50	33.3*	33.8*	34.5*	35.1*	35.7*	36.1*		
60	31.7*	32.2*	33.1*	33.8*	34.4*	34.9*	35.4*	35.8*
70	30.2*	30.8*	31.8*	32.5*	33.2*	33.8*	34.3*	34.8*
80	28.7*	29.3*	30.4*	31.4*	32.1*	32.8*	33.3*	33.8*
90	27.4*	28.1*	29.2*	30.2*	31.1*	31.8*	32.4*	32.9*
100	26.3*	26.9*	28.1*	29.1*	30.0*	30.8*	31.3	30.5
110	25.3*	25.9*	27.0*	28.1*	28.2	27.4	26.5	25.6
120	23.5*	25.0*	25.9	25.2	24.2	23.5	22.5	21.7
130	21.5*	23.0*	22.6	21.9	21.0	20.2	19.2	18.4
140	19.9*	20.7	19.9	19.2	18.2	17.4	16.4	15.6
150		18.3	17.5	16.8	15.8	15.0	14.0	13.2
160			15.4	14.7	13.7	12.9	12.0	11.1
170			13.5	12.9	11.9	11.1	10.1	9.3
180				11.2	10.3	9.5	8.5	7.7
190				9.7	8.8	8.1	7.1	6.2
200					7.5	6.8	5.8	4.9
210					6.3	5.6	4.6	
220						4.5		
225						4.0		

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# REFERENCE CAPACITY CHART

LIFTCRANE JIB CAPACITIES  
 No. 134 JIB - 5 DEGREE OFFSET  
 144,100-LB COUNTERWEIGHT  
 360 DEGREE RATING



**MANITOWOC**  
 Model 888 Series 1  
 Boom No. 22EL

Liftcrane capacities comply with ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Machine equipped with 28' 2" long fully extended crawlers, 48" treads, 10' 4" gantry, 30' mast, 20-part boom hoist reeving, four 1-3/8" boom pendants, 12' 6" jib strut, 144,100-lb upperworks counterweight assemblies.

Weight of all load blocks, hooks, weight balls, slings, hoist lines, etc., beneath boom and jib point sheaves is considered part of jib load. Where no capacity is shown operation is not intended or approved.

## 70 Foot #134 Jib 5° Offset

Liftcrane Jib Capacities (Thousands of Pounds)								
Radius (Feet)	Boom Lengths (Feet)							
	90	100	120	140	160	180	200	220
40	27.2*	27.3*	27.4*					
50	26.2*	26.5*	27.1*	27.2*	27.3*	27.4*		
60	25.0*	25.3*	26.0*	26.5*	27.0*	27.2*	27.3*	27.4*
70	23.8*	24.2*	24.9*	25.5*	26.0*	26.5*	26.9*	27.1*
80	22.8*	23.2*	24.0*	24.6*	25.2*	25.7*	26.1*	26.5*
90	21.8*	22.2*	23.1*	23.7*	24.3*	24.9*	25.3*	25.8*
100	20.8*	21.3*	22.2*	22.9*	23.6*	24.1*	24.6*	25.1*
110	19.9*	20.5*	21.4*	22.2*	22.8*	23.4*	24.0*	24.4*
120	19.1*	19.7*	20.6*	21.4*	22.1*	22.8*	23.0	22.1
130	18.4*	18.9*	19.9*	20.7*	21.4*	20.6	19.7	18.8
140	17.7*	18.2*	19.2*	19.6	18.7	17.9	16.9	16.0
150	17.1*	17.6*	18.0	17.3	16.3	15.5	14.5	13.6
160		16.8	15.9	15.2	14.2	13.4	12.4	11.6
170			14.1	13.4	12.4	11.6	10.6	9.7
180			12.4	11.7	10.8	10.0	9.0	8.1
190				10.3	9.3	8.5	7.5	6.7
200				9.0	8.0	7.2	6.2	5.4
210					6.8	6.1	5.1	4.2
220					5.8	5.0	4.0	
230						4.0		

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# REFERENCE CAPACITY CHART

LIFTCRANE JIB CAPACITIES  
 No. 134 JIB - 5 DEGREE OFFSET  
 144,100-LB COUNTERWEIGHT  
 360 DEGREE RATING



**MANITOWOC**  
 Model 888 Series 1  
 Boom No. 22EL

Liftcrane capacities comply with ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Machine equipped with 28' 2" long fully extended crawlers, 48" treads, 10' 4" gantry, 30' mast, 20-part boom hoist reeving, four 1-3/8" boom pendants, 12' 6" jib strut, 144,100-lb upperworks counterweight assemblies.

Weight of all load blocks, hooks, weight balls, slings, hoist lines, etc., beneath boom and jib point sheaves is considered part of jib load. Where no capacity is shown operation is not intended or approved.

## 80 Foot #134 Jib 5° Offset

Liftcrane Jib Capacities (Thousands of Pounds)								
Radius (Feet)	Boom Lengths (Feet)							
	90	100	120	140	160	180	200	210
40	20.7*	20.8*						
50	20.4*	20.5*	20.6*	20.7*	20.8*	20.9*		
60	20.1*	20.2*	20.3*	20.5*	20.6*	20.7*	20.7*	20.8*
70	19.8*	19.9*	20.1*	20.2*	20.3*	20.5*	20.5*	20.6*
80	19.2*	19.6*	19.8*	20.0*	20.1*	20.2*	20.4*	20.4*
90	18.3*	18.7*	19.4*	19.8*	19.9*	20.0*	20.2*	20.2*
100	17.5*	17.9*	18.7*	19.3*	19.7*	19.9*	20.0*	20.0*
110	16.6*	17.1*	17.9*	18.6*	19.2*	19.7*	19.8*	19.9*
120	15.9*	16.3*	17.2*	17.9*	18.5*	19.1*	19.6*	19.7*
130	15.1*	15.6*	16.5*	17.3*	17.9*	18.5*	19.0*	19.3*
140	14.5*	15.0*	15.8*	16.6*	17.3*	17.9*	17.0	16.6
150	13.9*	14.4*	15.2*	16.0*	16.4	15.6	14.6	14.2
160	13.4*	13.8*	14.7*	15.4	14.4	13.5	12.5	12.1
170		13.3*	14.1*	13.6	12.6	11.7	10.7	10.3
180			12.7	12.0	11.0	10.1	9.1	8.7
190			11.3	10.5	9.5	8.7	7.7	7.3
200				9.2	8.2	7.4	6.4	6.0
210				8.0	7.1	6.3	5.2	4.8
220					6.0	5.2	4.2	
230					5.0	4.2		
235					4.6			

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# REFERENCE CAPACITY CHART

LIFTCRANE CAPACITIES  
 144,100-LB COUNTERWEIGHT  
 360 DEGREE RATING



**MANITOWO**  
 Model 888 Series  
 BOOM NO. 22  
 Open Throat Tc

Liftcrane capacities comply with ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Machine equipped with 28' 2" long fully extended crawlers, 48" treads, 10.3' gantry, 30' mast, 20-part boom hoist line, four 1-3/8" boom pendants and 144,100-lb upperworks counterweight assembly.

Weight of hoisting line and rigging are considered part of load. Where no capacity is shown operation is not intended or approved.

260' boom requires removal of upper boom point.

Liftcrane Capacities (Thousands of Pounds)												
Radius (Feet)	Boom Lengths (Feet)											
	70	80	100	120	140	160	180	200	220	240	260	
15	434.0*											
16	408.9*											
17	386.5*	385.8*										
18	366.3*	365.6*										
19	348.0*	347.4*	346.2*									
20	331.5*	330.8*	329.6*									
22	302.4*	301.8*	300.6*	299.1*								
24	277.9*	277.3*	276.1*	274.5*								
26	242.7	243.0	243.4	243.2	243.2							
28	214.5	214.7	215.0	214.7	214.6	214.2						
30	191.9	192.0	192.2	191.9	191.7	191.3	190.8					
34	158.0	158.1	158.1	157.6	157.4	156.8	156.3	155.7				
38	133.8	133.8	133.7	133.2	132.9	132.2	131.7	131.0	130.3			
42	115.7	115.6	115.4	114.8	114.5	113.8	113.2	112.5	111.8	111.2	101.0*	
46	101.5	101.4	101.2	100.5	100.2	99.4	98.8	98.0	97.3	96.7	95.9	
50	90.2	90.1	89.7	89.1	88.7	87.9	87.3	86.5	85.8	85.1	84.3	
60	69.7	69.6	69.2	68.5	68.1	67.3	66.6	65.7	65.0	64.2	63.4	
70	55.9	55.9	55.5	54.8	54.3	53.5	52.8	51.9	51.1	50.3	49.4	
80		45.9	45.6	44.9	44.5	43.6	42.9	42.0	41.2	40.3	39.5	
90			38.2	37.5	37.1	36.2	35.5	34.5	33.7	32.9	32.0	
100			32.3	31.7	31.3	30.4	29.7	28.7	28.0	27.0	26.2	
110				27.0	26.7	25.8	25.1	24.1	23.3	22.4	21.5	
120				23.1	22.8	22.0	21.3	20.3	19.5	18.6	17.7	
130					19.6	18.8	18.1	17.1	16.3	15.4	14.5	
140					16.9	16.1	15.4	14.4	13.7	12.7	11.8	
150						13.7	13.1	12.1	11.3	10.4	9.5	
160							11.1	10.1	9.3	8.4	7.5	
170							9.3	8.3	7.6	6.6	5.8	
180								6.8	6.0	5.1	4.2	
190								5.3	4.6			
195								4.7	4.0			

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# REFERENCE CAPACITY CHART

LIFTCRANE CAPACITIES  
144,100-LB COUNTERWEIGHT  
360 DEGREE RATING



**MANITOWOC**  
Model 888 Series 1  
BOOM NO. 22E  
Open Throat Top  
With 4½° Offset

Liftcrane capacities comply with ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Machine equipped with 28' 2" long fully extended crawlers, 48" treads, 10.3' gantry, 30' mast, 20-part boom hoist line, four 1-3/8" boom pendants and 144,100-lb upperworks counterweight assembly.

Weight of hoisting line and rigging are considered part of load. Where no capacity is shown operation is not intended or approved.

260' boom requires removal of upper boom point. 250' boom must be raised over the front of blocked crawlers if upper boom point is attached.

Liftcrane Capacities (Thousands of Pounds)												
Radius (Feet)	Boom Lengths (Feet)											
	70	80	100	120	140	160	180	200	220	240	260	
17	386.4*											
18	366.3*	343.9*										
19	348.0*	338.4*										
20	331.4*	330.8*										
22	302.4*	301.8*	279.7*									
24	277.9*	277.3*	271.1*	249.7*								
26	242.7	242.9	243.4	242.0*	228.4*							
28	214.5	214.6	214.9	214.7	214.6	208.4*						
30	191.9	192.0	192.2	191.9	191.7	191.2						
34	158.0	158.1	158.1	157.6	157.4	156.8	156.3	155.7				
38	133.8	133.8	133.7	133.2	132.8	132.2	131.6	131.0	130.3			
42	115.7	115.6	115.4	114.8	114.5	113.8	113.2	112.4	111.8	111.1	96.3*	
46	101.5	101.4	101.1	100.5	100.1	99.4	98.8	98.0	97.3	96.7	95.7*	
50	90.2	90.1	89.7	89.1	88.7	87.9	87.3	86.5	85.8	85.1	84.3	
60	69.7	69.6	69.2	68.5	68.1	67.2	66.6	65.7	65.0	64.2	63.4	
70	55.9	55.9	55.5	54.8	54.3	53.4	52.8	51.9	51.1	50.3	49.4	
80		45.9	45.6	44.9	44.5	43.6	42.9	42.0	41.2	40.3	39.5	
90			38.2	37.5	37.1	36.2	35.5	34.5	33.7	32.8	32.0	
100			32.3	31.7	31.3	30.4	29.7	28.7	27.9	27.0	26.2	
110				27.0	26.6	25.8	25.1	24.1	23.3	22.4	21.5	
120				23.1	22.8	21.9	21.3	20.3	19.5	18.6	17.7	
130					19.6	18.8	18.1	17.1	16.3	15.4	14.5	
140					16.9	16.1	15.4	14.4	13.6	12.7	11.8	
150						13.7	13.1	12.1	11.3	10.4	9.5	
160						11.6	11.1	10.1	9.3	8.4	7.5	
170							9.3	8.3	7.6	6.6	5.8	
180								6.8	6.0	5.1	4.2	
190								5.3	4.6			
195								4.7	4.0			

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# REFERENCE CAPACITY CHART

LIFTCRANE CAPACITIES  
144,100-LB COUNTERWEIGHT  
360 DEGREE RATING



**MANITOWOC**  
Model 888 Series  
BOOM NO. 225  
Light Tapered To

Liftcrane capacities comply with ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Machine equipped with 28' 2" long fully extended crawlers, 48" treads, 10.3' gantry, 30' mast, 20-part boom hoist line, four 1-3/8" boom pendants and 144,100-lb upperworks counterweight assembly.

Weight of hoisting line and rigging are considered part of load. Where no capacity is shown operation is not intended or approved.

280' boom requires removal of upper boom point.

Liftcrane Capacities (Thousands of Pounds)										
Radius (Feet)	Boom Lengths (Feet)									
	110	120	140	160	180	200	220	240	260	280
24	265.5*	265.5*								
26	246.3	246.8								
28	217.9	218.3	218.0							
30	195.2	195.5	195.1	194.6						
32	176.7	176.8	176.4	175.9						
34	161.2	161.2	160.8	160.2	159.7					
36	148.1	148.1	147.6	147.0	146.4					
38	136.8	136.8	136.2	135.6	135.0	134.4				
40	127.1	127.0	126.4	125.8	125.2	124.5	123.8			
42	118.6	118.5	117.9	117.2	116.6	115.9	115.1			
44	111.1	110.9	110.3	109.6	109.0	108.2	107.5	106.8		
46	104.4	104.2	103.5	102.8	102.2	101.4	100.7	99.9	99.3	
48	98.4	98.2	97.5	96.8	96.1	95.4	94.6	93.8	93.2	
50	93.0	92.8	92.1	91.3	90.7	89.9	89.1	88.4	87.7	82.8*
60	72.5	72.2	71.5	70.6	70.0	69.1	68.3	67.5	66.8	65.9
70	58.8	58.5	57.7	56.8	56.2	55.3	54.5	53.6	52.8	51.9
80	49.0	48.6	47.9	47.0	46.3	45.4	44.6	43.6	42.9	41.9
90	41.7	41.2	40.4	39.6	38.9	37.9	37.1	36.2	35.4	34.4
100	35.9	35.5	34.7	33.8	33.1	32.1	31.3	30.4	29.6	28.6
110	31.2	30.8	30.0	29.1	28.5	27.5	26.7	25.7	24.9	23.9
120		26.9	26.2	25.3	24.7	23.7	22.9	21.9	21.1	20.1
130			23.0	22.2	21.5	20.5	19.7	18.7	17.9	16.9
140			20.2	19.5	18.8	17.8	17.0	16.0	15.2	14.2
150				17.1	16.5	15.5	14.7	13.7	12.9	11.9
160					14.5	13.5	12.7	11.7	10.9	9.9
170					12.7	11.7	10.9	9.9	9.2	8.1
180						10.2	9.4	8.4	7.6	6.6
190						8.7	8.0	7.0	6.2	5.2
200							6.7	5.7	5.0	
210							5.6	4.6		

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# REFERENCE CAPACITY CHART

LIFTCRANE CAPACITIES  
223,100-LB COUNTERWEIGHT  
360 DEGREE RATING



**MANITOWOC**  
Model 888 Series 2  
Boom No. 22EL

Liftcrane capacities comply with ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Weight of all load blocks, hooks, weight balls, slings, hoist lines, etc., beneath boom point sheaves is considered part of load. Where no capacity is shown operation is not intended or approved.

Machine equipped with 28' 2" long fully extended crawlers, 48" treads, 10' 3" gantry, 30' mast, 20-part boom hoist line, four 1-3/8" boom pendants and 179,100-lb upperworks and 44,000-lb carbody counterweight assembly.

Upper boom point can not be used on 290' boom.

Liftcrane Capacities (Thousands of Pounds)													
Radius (Feet)	Boom Lengths (Feet)												
	70	80	100	120	140	160	180	200	220	240	260	280	290
16	441.0*												
18	385.3*	385.0*											
20	348.3*	348.0*	347.3*										
22	317.6*	317.3*	316.6*	309.9*									
24	291.6*	291.3*	290.6*	289.5*									
26	269.3*	269.0*	268.3*	267.3*	266.5*								
28	250.0*	249.7*	249.0*	248.0*	247.2*	228.4*							
30	233.1*	232.8*	232.2*	231.2*	230.4*	223.4*	198.8*						
34	199.2	199.7	200.2	200.3	200.3	200.1	191.3*	167.8*	147.3*				
38	168.7	169.1	169.5	169.4	169.4	169.1	168.8	162.2*	144.1*	121.2*			
42	145.7	146.1	146.4	146.3	146.2	145.9	145.5	145.0	139.8*	120.5*	99.7*	82.5*	
46	127.9	128.2	128.5	128.3	128.2	127.8	127.4	126.9	126.3	119.8*	99.1*	81.9*	75.1*
50	113.6	113.9	114.1	113.9	113.8	113.3	112.9	112.3	111.8	111.1	98.4*	81.4*	74.5*
60	87.7	88.0	88.2	88.0	87.8	87.3	86.8	86.1	85.5	84.8	84.2	79.5*	71.5*
70	70.3	70.7	70.9	70.7	70.5	69.9	69.4	68.7	68.1	67.3	66.6	65.8	65.4
80		58.1	58.5	58.3	58.1	57.4	57.0	56.2	55.6	54.8	54.0	53.2	52.8
90			49.2	48.9	48.8	48.1	47.6	46.8	46.2	45.3	44.6	43.7	43.4
100			41.7	41.6	41.5	40.8	40.3	39.5	38.9	38.0	37.3	36.4	36.0
110				35.8	35.6	35.0	34.5	33.7	33.0	32.2	31.4	30.5	30.1
120				30.8	30.8	30.2	29.7	28.9	28.2	27.4	26.6	25.7	25.3
130					26.8	26.2	25.7	24.9	24.2	23.3	22.6	21.7	21.3
140					23.3	22.8	22.3	21.5	20.8	19.9	19.2	18.3	17.9
150						19.8	19.4	18.6	17.9	17.0	16.3	15.3	15.0
160						17.2	16.8	16.0	15.4	14.5	13.7	12.8	12.4
170							14.6	13.8	13.2	12.3	11.5	10.6	10.2
180								11.8	11.2	10.3	9.6	8.6	8.2
190								10.0	9.4	8.6	7.8	6.9	6.5
200									7.9	7.0	6.2	5.3	4.9
210									6.4	5.6	4.8		
220										4.2			

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# REFERENCE CAPACITY CHART

LIFTCRANE CAPACITIES  
223,100-LB COUNTERWEIGHT



**MANITOWOC**  
Model 888 Series 2  
Boom No. 22EL

## OVER FRONT OF BLOCKED CRAWLER RATING

Liftcrane capacities comply with ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Weight of all load blocks, hooks, weight balls, slings, hoist lines, etc., beneath boom point sheaves is considered part of load. Where no capacity is shown operation is not intended or approved.

Machine equipped with 28' 2" long fully extended crawlers, 48" treads, 10' 4" gantry, 30' mast, 20-part boom hoist line, four 1-3/8" boom pendants and 179,100-lb upperworks and 44,000-lb carbody counterweight assembly.

Upper boom point can not be used on 290' boom.

Liftcrane Capacities (Thousands of Pounds)													
Radius (Feet)	Boom Lengths (Feet)												
	70	80	100	120	140	160	180	200	220	240	260	280	290
16	441.0*												
18	385.3*	385.0*											
20	348.3*	348.0*	347.3*										
22	317.6*	317.3*	316.6*	309.9*									
24	291.6*	291.3*	290.6*	289.5*									
26	269.3*	269.0*	268.3*	267.3*	266.5*								
28	250.0*	249.7*	249.0*	248.0*	247.2*	228.4*							
30	233.1*	232.8*	232.2*	231.2*	230.4*	223.4*	198.8*						
34	204.9*	204.7*	204.1*	203.1*	202.4*	201.1*	191.3*	167.8*	147.3*				
38	182.4*	182.2*	181.6*	180.7*	179.9*	178.7*	177.7*	162.2*	144.1*	121.2*			
42	164.0*	163.8*	163.3*	162.3*	161.6*	160.3*	159.4*	156.6*	139.8*	120.5*	99.7*	82.5*	
46	148.6*	148.5*	147.9*	147.0*	146.3*	145.1*	144.1*	142.7*	135.3*	119.8*	99.1*	81.9*	75.1*
50	135.6*	135.5*	135.0*	134.1*	133.4*	132.1*	131.2*	129.8*	128.7*	116.8*	98.4*	81.4*	74.5*
60	108.7	109.1	109.4	109.0*	108.3*	107.1*	106.2*	104.8*	103.8*	102.4*	94.3*	79.5*	71.5*
70	75.3*	87.4	87.7	87.6	87.4	86.9	86.5	85.8	85.2	84.3*	83.2*	74.7*	67.5*
80		65.2*	72.4	72.2	72.1	71.5	71.1	70.4	69.8	69.0	68.3	67.6	63.7*
90			61.0	60.8	60.7	60.1	59.6	58.9	58.3	57.5	56.8	56.0	55.6
100			49.0*	52.0	51.9	51.3	50.8	50.0	49.4	48.6	47.9	47.0	46.7
110				44.9	44.8	44.2	43.7	43.0	42.3	41.5	40.8	39.9	39.6
120				36.1*	39.0	38.5	38.0	37.2	36.6	35.7	35.0	34.1	33.8
130					34.2	33.7	33.2	32.4	31.8	30.9	30.2	29.3	28.9
140					27.0*	29.6	29.2	28.4	27.7	26.9	26.1	25.2	24.9
150						25.8*	25.7	24.9	24.3	23.4	22.7	21.8	21.4
160						19.5*	22.7	21.9	21.3	20.4	19.7	18.7	18.4
170							18.9*	19.3	18.7	17.8	17.0	16.1	15.7
180								16.7*	16.3	15.5	14.7	13.8	13.4
190								12.8*	14.3	13.4	12.7	11.7	11.2*
200									11.2*	11.5	10.8	9.7*	9.1*
210									8.0*	8.9*	9.1*	7.8*	7.2*
220										6.2*	6.8*	6.0*	5.3*
225										4.9*	5.6*	5.2*	4.2*
230											4.4*	4.4*	

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# REFERENCE CAPACITY CHART

LIFTCRANE JIB CAPACITIES  
 No. 134 JIB - 5 DEGREE OFFSET  
 223,100-LB COUNTERWEIGHT  
 360 DEGREE RATING



**MANITOWOC**  
 Model 888 Series  
 Boom No. 22E1

Liftcrane capacities comply with ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Machine equipped with 28' 2" long fully extended crawlers, 48" treads, 10' 4" gantry, 30' mast, 20-part boom hoist reeving, four 1-3/8" boom pendants, 12' 6" jib strut, 179,100-lb upperworks and 44,000-lb carbody counterweight assemblies.

Weight of all load blocks, hooks, weight balls, slings, hoist lines, etc., beneath boom and jib point sheaves is considered part of jib load. Where no capacity is shown operation is not intended or approved.

## 30 Foot #134 Jib - 5° Offset

Liftcrane Jib Capacities (Thousands of Pounds)												
Radius (Feet)	Boom Lengths (Feet)											
	90	100	120	140	160	180	200	220	240	260	270	
30	59.0*	59.0*										
40	59.0*	59.0*	59.0*	59.0*	59.0*							
50	59.0*	59.0*	59.0*	59.0*	59.0*	59.0*	59.0*	59.0*	59.0*			
60	58.1*	59.0*	59.0*	59.0*	59.0*	59.0*	59.0*	59.0*	59.0*	59.0*	56.5*	
70	56.1*	57.0*	58.7*	59.0*	59.0*	59.0*	59.0*	59.0*	59.0*	59.0*	55.7*	
80	54.5*	55.4*	57.0*	58.5*	59.0*	58.4	57.5	56.8	55.9	55.1	54.7	
90	52.1	51.9	51.2	50.6	49.7	49.0	48.1	47.4	46.4	45.6	45.2	
100	44.9	44.6	43.9	43.3	42.4	41.7	40.8	40.0	39.1	38.3	37.8	
110	39.0	38.8	38.0	37.5	36.6	35.9	34.9	34.2	33.2	32.4	31.9	
120		33.9	33.2	32.7	31.8	31.1	30.1	29.3	28.4	27.6	27.1	
130			29.2	28.7	27.8	27.1	26.1	25.3	24.4	23.5	23.0	
140			25.8	25.3	24.4	23.7	22.7	21.9	21.0	20.1	19.6	
150				22.3	21.5	20.8	19.8	19.0	18.1	17.2	16.7	
160				19.8	18.9	18.2	17.3	16.5	15.5	14.7	14.2	
170					16.7	16.0	15.1	14.3	13.3	12.4	11.9	
180					14.7	14.0	13.1	12.3	11.3	10.5	10.0	
190						12.3	11.3	10.6	9.6	8.7	8.2	
200						10.7	9.8	9.0	8.0	7.2	6.6	
210							8.3	7.6	6.6	5.7	5.2	
220							7.0	6.3	5.3	4.5		
230								5.1	4.1			
240								4.0				

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# REFERENCE CAPACITY CHART

LIFTCRANE JIB CAPACITIES  
 No. 134 JIB - 5 DEGREE OFFSET  
 223,100-LB COUNTERWEIGHT  
 360 DEGREE RATING



**MANITOWOC**  
 Model 888 Series 2  
 Boom No. 22

Liftcrane capacities comply with ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).  
 Machine equipped with 28' 2" long fully extended crawlers, 48" treads, 10' 4" gantry, 30' mast, 20-part boom hoist reeving, four 1-3/8" boom pendants, 12' 6" jib strut, 179,100-lb upperworks and 44,000-lb carbody counterweight assemblies.

Weight of all load blocks, hooks, weight balls, slings, hoist lines, etc., beneath boom and jib point sheaves is considered part of jib load. Where no capacity is shown operation is not intended or approved.

## 40 Foot #134 Jib 5° Offset

Liftcrane Jib Capacities (Thousands of Pounds)												
Radius (Feet)	Boom Lengths (Feet)											
	90	100	120	140	160	180	200	220	240	260	270	
30	53.6*											
40	50.5*	51.1*	52.3*	53.2*								
50	47.8*	48.5*	49.8*	50.9*	51.8*	52.6*	53.3*	53.9*				
60	45.4*	46.2*	47.7*	48.9*	49.9*	50.8*	51.6*	52.3*	52.9*	53.4*	52.1*	
70	43.4*	44.2*	45.7*	47.0*	48.1*	49.1*	50.0*	50.7*	51.4*	52.0*	51.4*	
80	41.7*	42.5*	44.0*	45.4*	46.5*	47.6*	48.5*	49.3*	50.0*	50.7*	50.7*	
90	40.2*	41.0*	42.5*	43.9*	45.1*	46.2*	47.1*	48.0*	47.1	46.3	45.9	
100	38.4*	39.7*	41.2*	42.6*	43.1	42.4	41.4	40.7	39.7	38.9	38.5	
110	34.9*	37.4*	38.8	38.1	37.2	36.5	35.6	34.8	33.8	33.0	32.5	
120	32.0*	34.3*	33.9	33.3	32.4	31.7	30.7	29.9	29.0	28.1	27.7	
130		30.7	29.9	29.3	28.4	27.6	26.7	25.9	24.9	24.1	23.6	
140			26.5	25.9	25.0	24.2	23.3	22.5	21.5	20.7	20.2	
150			23.5	22.9	22.0	21.3	20.4	19.5	18.6	17.7	17.2	
160				20.4	19.5	18.8	17.8	17.0	16.0	15.2	14.7	
170				18.1	17.2	16.5	15.6	14.8	13.8	12.9	12.4	
180					15.2	14.6	13.6	12.8	11.8	10.9	10.4	
190					13.4	12.8	11.8	11.0	10.0	9.2	8.7	
200						11.2	10.2	9.5	8.5	7.6	7.1	
210						9.7	8.8	8.0	7.0	6.2	5.7	
220							7.5	6.7	5.7	4.9	4.4	
230							6.3	5.5	4.6			
240								4.4				

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# REFERENCE CAPACITY CHART

LIFTCRANE JIB CAPACITIES  
 No. 134 JIB - 5 DEGREE OFFSET  
 223,100-LB COUNTERWEIGHT  
 360 DEGREE RATING



**MANITOWOC**  
 Model 888 Series 2  
 Boom No. 22E

Liftcrane capacities comply with ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Machine equipped with 28' 2" long fully extended crawlers, 48" treads, 10' 4" gantry, 30' mast, 20-part boom hoist reeving, four 1-3/8" boom pendants, 12' 6" jib strut, 179,100-lb upperworks and 44,000-lb carbody counterweight assemblies.

Weight of all load blocks, hooks, weight balls, slings, hoist lines, etc., beneath boom and jib point sheaves is considered part of jib load. Where no capacity is shown operation is not intended or approved.

## 50 Foot #134 Jib 5° Offset

Liftcrane Jib Capacities (Thousands of Pounds)										
Radius (Feet)	Boom Lengths (Feet)									
	90	100	120	140	160	180	200	220	240	260
35	42.9*	43.4*								
40	41.7*	42.2*	43.0*	43.7*						
50	39.4*	40.0*	41.0*	41.9*	42.6*	43.2*	43.7*			
60	37.5*	38.1*	39.2*	40.2*	41.0*	41.7*	42.3*	42.8*	43.3*	43.7*
70	35.8*	36.4*	37.6*	38.6*	39.5*	40.3*	40.9*	41.5*	42.1*	42.5*
80	34.2*	34.9*	36.2*	37.2*	38.2*	39.0*	39.7*	40.3*	40.9*	41.4*
90	32.9*	33.6*	34.9*	36.0*	36.9*	37.8*	38.5*	39.2*	39.8*	40.4*
100	31.8*	32.4*	33.7*	34.8*	35.8*	36.7*	37.5*	38.2*	38.8*	39.4
110	29.4*	31.4*	32.6*	33.8*	34.8*	35.7*	36.0	35.2	34.3	33.4
120	26.9*	28.7*	31.7*	32.8*	32.9	32.1	31.2	30.4	29.4	28.6
130	24.8*	26.4*	29.8*	29.8	28.8	28.1	27.1	26.3	25.3	24.5
140		24.6*	27.0	26.4	25.4	24.7	23.7	22.9	21.9	21.1
150			24.1	23.4	22.5	21.7	20.8	19.9	19.0	18.1
160			21.5	20.9	19.9	19.2	18.2	17.4	16.4	15.5
170				18.6	17.7	17.0	16.0	15.2	14.2	13.3
180				16.6	15.7	15.0	14.0	13.2	12.2	11.3
190					13.9	13.2	12.2	11.4	10.4	9.5
200					12.3	11.6	10.6	9.8	8.8	8.0
210						10.2	9.2	8.4	7.4	6.5
220						8.8	7.9	7.1	6.1	5.2
230							6.7	5.9	4.9	4.1
240							5.6	4.8		
245								4.3		

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# REFERENCE CAPACITY CHART

LIFTCRANE JIB CAPACITIES  
 No. 134 JIB - 5 DEGREE OFFSET  
 223,100-LB COUNTERWEIGHT  
 360 DEGREE RATING



**MANITOWOC**  
 Model 888 Series 2  
 Boom No. 22

Liftcrane capacities comply with ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Machine equipped with 28' 2" long fully extended crawlers, 48" treads, 10' 4" gantry, 30' mast, 20-part boom hoist reeving, four 1-3/8" boom pendants, 12' 6" jib strut, 179,100-lb upperworks and 44,000-lb carbody counterweight assemblies.

Weight of all load blocks, hooks, weight balls, slings, hoist lines, etc., beneath boom and jib point sheaves is considered part of jib load. Where no capacity is shown operation is not intended or approved.

## 60 Foot #134 Jib 5° Offset

Liftcrane Jib Capacities (Thousands of Pounds)										
Radius (Feet)	Boom Lengths (Feet)									
	90	100	120	140	160	180	200	220	240	260
35	36.1*	36.4*								
40	35.1*	35.5*	36.1*							
50	33.3*	33.8*	34.5*	35.1*	35.7*	36.1*				
60	31.7*	32.2*	33.1*	33.8*	34.4*	34.9*	35.4*	35.8*	36.2*	36.5*
70	30.2*	30.8*	31.8*	32.5*	33.2*	33.8*	34.3*	34.8*	35.2*	35.6*
80	28.7*	29.3*	30.4*	31.4*	32.1*	32.8*	33.3*	33.8*	34.3*	34.7*
90	27.4*	28.1*	29.2*	30.2*	31.1*	31.8*	32.4*	32.9*	33.4*	33.9*
100	26.3*	26.9*	28.1*	29.1*	30.0*	30.8*	31.5*	32.1*	32.6*	33.1*
110	25.3*	25.9*	27.0*	28.1*	29.0*	29.8*	30.6*	31.3*	31.8*	32.3*
120	23.5*	25.0*	26.1*	27.2*	28.1*	28.9*	29.7*	30.4*	29.7	28.8
130	21.5*	23.0*	25.3*	26.3*	27.2*	28.1*	27.4	26.6	25.6	24.8
140	19.9*	21.2*	23.9*	25.5*	25.8	25.0	24.0	23.2	22.2	21.3
150		19.8*	22.2*	23.8	22.9	22.1	21.1	20.2	19.2	18.4
160			20.8*	21.3	20.3	19.5	18.5	17.7	16.7	15.8
170			19.5*	19.0	18.1	17.3	16.3	15.4	14.4	13.6
180				17.0	16.1	15.3	14.3	13.5	12.5	11.6
190				15.2	14.3	13.5	12.5	11.7	10.7	9.8
200					12.7	12.0	11.0	10.1	9.1	8.2
210					11.2	10.5	9.5	8.7	7.7	6.8
220						9.2	8.2	7.4	6.4	5.5
230						8.0	7.0	6.2	5.2	4.3
240							5.9	5.1	4.1	
250							4.9	4.1		

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# REFERENCE CAPACITY CHART

LIFTCRANE JIB CAPACITIES  
 No. 134 JIB - 5 DEGREE OFFSET  
 223,100-LB COUNTERWEIGHT  
 360 DEGREE RATING



**MANITOWOC**  
 Model 888 Series 2  
 Boom No. 22EL

Liftcrane capacities comply with ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Machine equipped with 28' 2" long fully extended crawlers, 48" treads, 10' 4" gantry, 30' mast, 20-part boom hoist reeving, four 1-3/8" boom pendants, 12' 6" jib strut, 179,100-lb upperworks and 44,000-lb carbody counterweight assemblies.

Weight of all load blocks, hooks, weight balls, slings, hoist lines, etc., beneath boom and jib point sheaves is considered part of jib load. Where no capacity is shown operation is not intended or approved.

## 70 Foot #134 Jib 5° Offset

Liftcrane Jib Capacities (Thousands of Pounds)										
Radius (Feet)	Boom Lengths (Feet)									
	90	100	120	140	160	180	200	220	240	260
40	27.2*	27.3*	27.4*							
50	26.2*	26.5*	27.1*	27.2*	27.3*	27.4*				
60	25.0*	25.3*	26.0*	26.5*	27.0*	27.2*	27.3*	27.4*	27.4*	
70	23.8*	24.2*	24.9*	25.5*	26.0*	26.5*	26.9*	27.1*	27.2*	27.3*
80	22.8*	23.2*	24.0*	24.6*	25.2*	25.7*	26.1*	26.5*	26.8*	27.1*
90	21.8*	22.2*	23.1*	23.7*	24.3*	24.9*	25.3*	25.8*	26.1*	26.5*
100	20.8*	21.3*	22.2*	22.9*	23.6*	24.1*	24.6*	25.1*	25.5*	25.9*
110	19.9*	20.5*	21.4*	22.2*	22.8*	23.4*	24.0*	24.4*	24.9*	25.3*
120	19.1*	19.7*	20.6*	21.4*	22.1*	22.8*	23.3*	23.8*	24.3*	24.7*
130	18.4*	18.9*	19.9*	20.7*	21.4*	22.1*	22.7*	23.2*	23.7*	24.1*
140	17.7*	18.2*	19.2*	20.0*	20.8*	21.5*	22.1*	22.7*	22.6	21.8
150	17.1*	17.6*	18.6*	19.4*	20.2*	20.9*	21.5*	20.7	19.7	18.8
160		16.9*	18.0*	18.8*	19.6*	20.0	19.0	18.1	17.1	16.2
170			17.4*	18.3*	18.6	17.7	16.7	15.9	14.9	14.0
180			16.7*	17.5	16.6	15.8	14.8	13.9	12.9	12.0
190				15.8	14.8	14.0	13.0	12.2	11.1	10.2
200				14.2	13.2	12.4	11.4	10.6	9.6	8.7
210					11.8	11.0	10.0	9.1	8.1	7.2
220					10.4	9.7	8.7	7.9	6.8	5.9
230						8.5	7.5	6.7	5.7	4.8
240						7.4	6.4	5.6	4.6	
250							5.4	4.6		
260							4.5			

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# REFERENCE CAPACITY CHART

LIFTCRANE JIB CAPACITIES  
 No. 134 JIB - 5 DEGREE OFFSET  
 223,100-LB COUNTERWEIGHT  
 360 DEGREE RATING



**MANITOWOC**  
 Model 888 Series 2  
 Boom No. 22E

Liftcrane capacities comply with ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Machine equipped with 28' 2" long fully extended crawlers, 48" treads, 10' 4" gantry, 30' mast, 20-part boom hoist reeving, four 1-3/8" boom pendants, 12' 6" jib strut, 179,100-lb upperworks and 44,000-lb carbody counterweight assemblies.

Weight of all load blocks, hooks, weight balls, slings, hoist lines, etc., beneath boom and jib point sheaves is considered part of jib load. Where no capacity is shown operation is not intended or approved.

## 80 Foot #134 Jib 5° Offset

Radius (Feet)	Liftcrane Capacities (Thousands of Pounds)									
	Boom Lengths (Feet)									
	90	100	120	140	160	180	200	220	240	250
40	20.7*	20.8*								
50	20.4*	20.5*	20.6*	20.7*	20.8*	20.9*				
60	20.1*	20.2*	20.3*	20.5*	20.6*	20.7*	20.7*	20.8*	20.9*	
70	19.8*	19.9*	20.1*	20.2*	20.3*	20.5*	20.5*	20.6*	20.7*	20.7*
80	19.2*	19.6*	19.8*	20.0*	20.1*	20.2*	20.4*	20.4*	20.5*	20.6*
90	18.3*	18.7*	19.4*	19.8*	19.9*	20.0*	20.2*	20.3*	20.4*	20.4*
100	17.5*	17.9*	18.7*	19.3*	19.7*	19.9*	20.0*	20.1*	20.2*	20.2*
110	16.6*	17.1*	17.9*	18.6*	19.2*	19.7*	19.8*	19.9*	20.0*	20.1*
120	15.9*	16.3*	17.2*	17.9*	18.5*	19.1*	19.6*	19.8*	19.9*	19.9*
130	15.1*	15.6*	16.5*	17.3*	17.9*	18.5*	19.0*	19.5*	19.7*	19.8*
140	14.5*	15.0*	15.8*	16.6*	17.3*	17.9*	18.5*	19.0*	19.4*	19.6*
150	13.9*	14.4*	15.2*	16.0*	16.7*	17.4*	17.9*	18.5*	18.9*	19.2*
160	13.4*	13.8*	14.7*	15.5*	16.2*	16.8*	17.4*	18.0*	17.2	16.8
170		13.3*	14.1*	14.9*	15.7*	16.3*	16.9	16.0	15.0	14.6
180			13.7*	14.4*	15.2*	15.8*	14.9	14.0	13.0	12.6
190			13.3*	14.0*	14.7*	14.2	13.2	12.3	11.3	10.8
200				13.6*	13.4	12.6	11.6	10.7	9.7	9.3
210				13.0	12.0	11.2	10.2	9.3	8.3	7.8
220					10.7	9.9	8.9	8.0	7.0	6.6
230					9.5	8.7	7.7	6.8	5.8	5.4
240						7.6	6.6	5.8	4.7	4.3
250						6.6	5.6	4.8		
260							4.7			
265							4.3			

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# REFERENCE CAPACITY CHART

LIFTCRANE CAPACITIES  
223,100-LB COUNTERWEIGHT  
360 DEGREE RATING



**MANITOWOC**  
Model 888 Series 2  
BOOM NO. 22E  
Open Throat Top

Liftcrane capacities comply with ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Machine equipped with 28' 2" long fully extended crawlers, 48" treads, 10.3' gantry, 30' mast, 20-part boom hoist line, four 1-3/8" boom pendants and 179,100-lb upperworks and 44,000-lb carbody counterweight assembly.

Weight of hoisting line and rigging are considered part of load. Where no capacity is shown operation is not intended or approved.

290' boom requires removal of upper boom point.

Liftcrane Capacities (Thousands of Pounds)													
Radius (Feet)	Boom Lengths (Feet)												
	70	80	100	120	140	160	180	200	220	240	260	280	290
15	460.0*												
16	434.6*												
17	410.8*	410.1*											
18	389.3*	388.7*											
19	370.0*	369.3*	364.0*										
20	352.4*	351.8*	350.6*										
22	321.6*	321.0*	319.8*	305.9*									
24	295.6*	295.0*	293.8*	292.3*									
26	273.3*	272.7*	271.5*	270.0*	260.3*								
28	254.0*	253.4*	252.2*	250.7*	249.7*	225.0*							
30	237.2*	236.5*	235.3*	233.8*	232.8*	220.5*	197.7*						
32	218.3	218.4	218.4	218.0	217.8	216.1*	194.2*						
34	199.1	199.2	199.2	198.7	198.5	197.9	190.8*	168.0*					
36	183.0	183.0	182.9	182.4	182.1	181.5	181.0	165.4*	148.8*				
38	169.1	169.1	168.9	168.4	168.1	167.5	166.9	162.8*	146.7*				
40	157.0	157.0	156.8	156.3	155.9	155.3	154.7	154.0	144.6*	122.5*			
42	146.5	146.4	146.2	145.6	145.3	144.6	144.0	143.3	142.6*	122.1*	101.0*		
44	137.2	137.1	136.9	136.3	135.9	135.2	134.6	133.8	133.1	121.7*	100.6*	83.2*	
46	128.9	128.8	128.6	127.9	127.6	126.8	126.2	125.4	124.7	121.3*	100.2*	82.9*	75.9*
48	121.5	121.4	121.1	120.5	120.1	119.3	118.7	117.9	117.2	116.5	99.9*	82.6*	75.6*
50	114.8	114.7	114.4	113.8	113.4	112.6	112.0	111.2	110.4	109.7	99.5*	82.3*	75.3*
60	89.4	89.3	88.9	88.2	87.8	87.0	86.3	85.5	84.7	83.9	83.1	80.5*	73.6*
70	72.4	72.3	71.9	71.2	70.8	69.9	69.2	68.3	67.5	66.7	65.9	65.0	64.6
80		60.0	59.7	59.0	58.6	57.7	57.0	56.1	55.3	54.4	53.6	52.6	52.2
90			50.5	49.8	49.4	48.5	47.8	46.9	46.1	45.2	44.3	43.4	43.0
100			43.2	42.7	42.3	41.4	40.7	39.7	38.9	38.0	37.2	36.2	35.8
110				36.9	36.5	35.6	34.9	34.0	33.2	32.3	31.4	30.4	30.0
120				32.1	31.8	30.9	30.2	29.3	28.5	27.5	26.7	25.7	25.3
130					27.9	27.0	26.3	25.4	24.6	23.6	22.8	21.7	21.3
140					24.4	23.7	23.0	22.0	21.2	20.3	19.4	18.4	18.0
150						20.8	20.1	19.2	18.4	17.4	16.6	15.6	15.1
160							17.6	16.7	15.9	15.0	14.1	13.1	12.7
170							15.4	14.5	13.7	12.8	11.9	10.9	10.5
180								12.6	11.8	10.9	10.0	9.0	8.6
190								10.8	10.1	9.2	8.3	7.3	6.9
200									8.6	7.6	6.8	5.7	5.3
210										7.1	6.2	5.4	5.0
220											5.0	4.1	3.8
225											4.4	3.5	3.2

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LIFTCRANE JIB CAPACITIES  
 No. 123 JIB - 10 DEGREE OFFSET  
 223,100-LB COUNTERWEIGHT  
 360 DEGREE RATING



Model 888 Series 2  
 BOOM NO. 22E  
 Open Throat Top

Liftcrane capacities comply with ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Machine equipped with 28' 2" long fully extended crawlers, 48" treads, 10.3' gantry, 30' mast, 20-part boom hoist line, four 1-3/8" boom pendants 12' 6" jib strut, 179,100-lb upperworks and 44,000-lb carbody counterweight assemblies.

Weight of hoisting line and rigging are considered part of load. Where no capacity is shown operation is not intended or approved.

30 Foot #123 Jib 10° Offset

Liftcrane Capacities (Thousands of Pounds)												
(Feet)	Radius					Boom Lengths (Feet)						
	90	100	120	140	160	180	200	220	240	260	270	
35	40.0*	40.0*	40.0*									
40	40.0*	40.0*	40.0*	40.0*								
50	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*					
60	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*
70	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*
80	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*
90	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*
100	37.7*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	40.0*	39.7	39.2	
110	34.9*	37.0*	39.7	39.1	38.1	37.3	36.4	35.5	34.6	33.8	33.3	
120		34.5*	35.0	34.3	33.3	32.5	31.6	30.7	29.8	28.9	28.4	
130			30.9	30.3	29.3	28.5	27.5	26.7	25.8	24.9	24.4	
140			27.5	26.9	25.9	25.2	24.2	23.3	22.4	21.5	21.0	
150				24.0	23.0	22.2	21.2	20.4	19.4	18.6	18.0	
160				21.4	20.5	19.7	18.7	17.9	16.9	16.0	15.5	
170					18.2	17.5	16.5	15.6	14.7	13.8	13.3	
180					16.2	15.5	14.5	13.7	12.7	11.8	11.3	
190						13.7	12.7	11.9	11.0	10.1	9.5	
200							11.2	10.3	9.4	8.5	8.0	
210							9.7	8.9	8.0	7.1	6.5	
220								7.6	6.7	5.8	5.2	
230								6.4	5.5	4.6	4.1	
240									4.4			

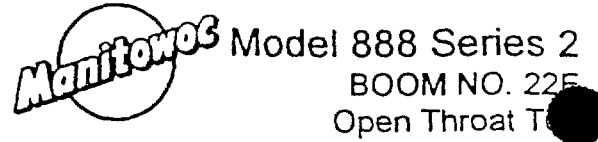
40 Foot #123 Jib 10° Offset

Liftcrane Capacities (Thousands of Pounds)											
Radius (Feet)	Boom Lengths (Feet)										
	90	100	120	140	160	180	200	220	240	260	
35	30.0*										
40	30.0*	30.0*	30.0*								
50	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*					
60	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	
70	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*
80	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*
90	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*
100	29.1*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*
110	26.8*	28.4*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*
120	24.9*	26.4*	29.1*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	30.0*	29.5
130		24.7*	27.2*	29.8*	29.9	29.1	28.1	27.3	26.3	25.5	
140			25.6*	27.4	26.5	25.7	24.7	23.8	22.9	22.0	
150			24.3*	24.5	23.5	22.7	21.7	20.9	20.0	19.1	
160				21.9	21.0	20.2	19.2	18.3	17.4	16.5	
170				19.6	18.7	17.9	16.9	16.1	15.1	14.3	
180					16.7	16.0	15.0	14.1	13.2	12.3	
190						14.2	13.2	12.4	11.4	10.5	
200						12.6	11.6	10.8	9.8	8.9	
210							10.2	9.3	8.4	7.5	
220							8.8	8.0	7.1	6.2	
230								6.8	5.9	5.0	
240								5.7	4.8		

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LIFTCRANE JIB CAPACITIES  
 No. 123 JIB - 10 DEGREE OFFSET  
 223,100-LB COUNTERWEIGHT  
 360 DEGREE RATING



Liftcrane capacities comply with ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Machine equipped with 28' 2" long fully extended crawlers, 48" treads, 10.3' gantry, 30' mast, 20-part boom hoist line, four 1-3/8" boom pendants 12' 6" jib strut, 179,100-lb upperworks and 44,000-lb carbody counterweight assemblies.

Weight of hoisting line and rigging are considered part of load. Where no capacity is shown operation is not intended or approved.

50 Foot #123 Jib 10° Offset

Radius (Feet)	Liftcrane Capacities (Thousands of Pounds)									
	Boom Lengths (Feet)									
	90	100	120	140	160	180	200	220	240	260
40	20.0*	20.0*								
50	20.0*	20.0*	20.0*	20.0*	20.0*					
60	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*		
70	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*
80	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*
90	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*
100	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*
110	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*
120	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*
130	19.7*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*
140		19.5*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*
150			20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	20.0*	19.6
160			19.2*	20.0*	20.0*	20.0*	19.7	18.9	17.9	17.1
170				19.9*	19.2	18.4	17.5	16.6	15.7	14.8
180				18.2	17.2	16.4	15.5	14.6	13.7	12.8
190					15.4	14.7	13.7	12.8	11.9	11.0
200					13.8	13.1	12.1	11.2	10.3	9.4
210						11.6	10.6	9.8	8.8	8.0
220							9.3	8.5	7.5	6.6
230							8.1	7.3	6.3	5.5
240								6.2	5.2	4.4
250								5.1	4.2	

60 Foot #123 Jib 10° Offset

Radius (Feet)	Liftcrane Capacities (Thousands of Pounds)									
	Boom Lengths (Feet)									
	90	100	120	140	160	180	200	220	240	260
45	10.0*	10.0*								
50	10.0*	10.0*	10.0*	10.0*						
60	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*			
70	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*
80	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*
90	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*
100	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*
110	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*
120	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*
130	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*
140	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*
150		10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*
160			10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*
170			10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*
180				10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*
190				10.0*	10.0*	10.0*	10.0*	10.0*	10.0*	10.0*
200					10.0*	10.0*	10.0*	10.0*	10.0*	9.7
210					10.0*	10.0*	10.0*	10.0*	9.1	8.2
220						10.0*	9.6	8.8	7.8	6.9
230							8.4	7.6	6.6	5.7
240							7.3	6.5	5.5	4.6
250								5.4	4.5	
260								4.5		

MANITOWOC ENGINEERING CO.  
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NOTICE: This capacity chart is for reference use only and must not be used for lifting purposes. Regular capacity charts for a specific crane can be purchased from an authorized Manitowoc Distributor.

# REFERENCE CAPACITY CHART

LIFTCRANE CAPACITIES  
223,100-LB COUNTERWEIGHT  
360 DEGREE RATING



**MANITOWOC**  
Model 888 Series 2  
BOOM NO. 22E  
Light Tapered Top

Liftcrane capacities comply with ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Machine equipped with 28' 2" long fully extended crawlers, 48" treads, 10.3' gantry, 30' mast, 20-part boom hoist line, four 1-3/8" boom pendants and 179,100-lb upperworks and 44,000-lb carbody counterweight assembly.

Weight of hoisting line and rigging are considered part of load. Where no capacity is shown operation is not intended or approved.

310' boom requires removal of upper boom point.

Liftcrane Capacities (Thousands of Pounds)													
Radius (Feet)	Boom Lengths (Feet)												
	110	120	140	160	180	200	220	240	260	280	300	310	
24	265.5*	265.5*											
26	265.5*	265.5*											
28	256.4*	255.7*	251.6*										
30	239.6*	238.9*	237.3*	218.7*									
32	221.5	221.6	221.2	214.5*									
34	202.3	202.3	201.9	201.3	189.8*								
36	186.0	186.0	185.5	184.9	184.4								
38	172.1	172.0	171.5	170.8	170.3	162.6*							
40	160.0	159.9	159.3	158.7	158.1	157.4	143.3*						
42	149.4	149.3	148.7	148.0	147.4	146.7	141.1*						
44	140.1	139.9	139.3	138.6	138.0	137.2	136.5	120.1*					
46	131.8	131.6	130.9	130.2	129.6	128.8	128.1	119.7*	100.0*				
48	124.3	124.2	123.5	122.7	122.1	121.3	120.6	119.2*	99.6*				
50	117.7	117.4	116.8	116.0	115.3	114.6	113.8	113.0	99.2*	82.8*			
60	92.2	91.9	91.2	90.4	89.7	88.9	88.1	87.2	86.5	81.0*	68.4*	62.3*	
70	75.3	74.9	74.1	73.3	72.6	71.7	70.9	70.0	69.3	68.4	64.6*	58.4*	
80	63.1	62.7	61.9	61.1	60.4	59.5	58.6	57.7	57.0	56.0	55.2	54.7	
90	54.0	53.6	52.8	51.9	51.2	50.3	49.4	48.5	47.7	46.8	45.9	45.4	
100	46.8	46.4	45.6	44.7	44.1	43.1	42.3	41.3	40.6	39.6	38.7	38.2	
110	41.0	40.7	39.9	39.0	38.3	37.4	36.5	35.6	34.8	33.8	32.9	32.4	
120		35.9	35.2	34.3	33.6	32.7	31.9	30.9	30.1	29.1	28.2	27.7	
130			31.2	30.4	29.7	28.8	27.9	26.9	26.2	25.1	24.3	23.7	
140			27.8	27.0	26.4	25.4	24.6	23.6	22.8	21.8	20.9	20.4	
150				24.1	23.5	22.6	21.8	20.8	20.0	19.0	18.1	17.5	
160					21.0	20.1	19.3	18.3	17.5	16.5	15.6	15.0	
170					18.8	17.9	17.1	16.1	15.3	14.3	13.4	12.9	
180						16.0	15.2	14.2	13.4	12.4	11.5	10.9	
190						14.2	13.5	12.5	11.7	10.7	9.8	9.2	
200							11.9	10.9	10.2	9.1	8.2	7.7	
210								10.5	9.5	8.8	7.8	6.9	6.3
220									8.3	7.5	6.5	5.6	5.1
230										7.1	6.4	5.4	4.5
240											5.3	4.3	
250												4.3	

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# PRELIMINARY CAPACITY CHART

LIFTCRANE LUFFING JIB CAPACITIES  
 LUFFING JIB No. 135  
 223,100-LB COUNTERWEIGHT  
 360 DEGREE RATING



**MANITOWOC**  
 Model 888 Series 2  
 Boom No. 22EL  
 83 Degree Boom Angle

Liftcrane capacities are calculated to be within the scope of ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Machine equipped with 28' 2" long fully extended crawlers, 48" treads, 10' 4" gantry, 30' mast, 20-part boom hoist reeving, four 1-3/8" boom pendants, 8-part luffing jib hoist reeving, two 1-1/2" luffing jib pendants, 179,100-lb upperworks and 44,000-lb carbody counterweight assemblies.

Weight of all load blocks, hooks, weight balls, slings, hoist lines, etc., beneath boom and luffing jib point sheaves is considered part of luffing jib load. Where no capacity is shown operation is not intended or approved.

## 70 Foot Boom No. 22EL at 83 degrees

Liftcrane Luffing Jib Capacities (Thousands of Pounds)												
Radius (Feet)	Jib Lengths (Feet)											
	70	80	90	100	110	120	130	140	150	160	170	
45	91.8*	84.0*										
50	91.8*	84.0*	75.8*	69.3*								
60	88.7*	81.8*	71.5*	66.5*	63.2*	58.2*	44.3*					
70	77.5*	75.5*	66.0*	60.9*	58.6*	53.9*	42.7*	40.2*	37.7*	35.1*		
80	57.8*	63.8*	61.3*	56.2*	54.1*	49.9*	41.3*	38.9*	36.0*	32.8*	30.2*	
90		50.0*	54.3*	52.1*	50.2*	46.1*	39.4*	36.0*	33.1*	30.0*	27.5*	
100			43.3*	46.5*	46.6*	42.7*	36.5*	33.1*	30.3*	27.4*	25.0*	
110				38.2*	40.5*	39.6*	33.8*	30.6*	27.9*	24.9*	22.7*	
120					32.8*	35.5*	31.5*	28.2*	25.6*	22.7*	20.2*	
130						28.9*	28.5*	26.1*	23.0*	20.2*	17.3*	
140							25.7*	23.4*	20.1*	17.5*	14.8*	
150								20.9*	17.7*	15.1*	12.5*	
160									15.5*	12.7*	10.5*	
170										10.6*	8.8*	
180											7.0*	

## 100 Foot Boom No. 22EL at 83 degrees

Liftcrane Luffing Jib Capacities (Thousands of Pounds)												
Radius (Feet)	Jib Lengths (Feet)											
	70	80	90	100	110	120	130	140	150	160	170	
50	87.5*	80.1*	72.0*									
60	87.5*	80.1*	72.0*	66.3*	61.2*	56.0*						
70	80.0	77.6*	67.6*	62.6*	59.7*	54.8*	42.2*	39.7*	37.2*			
80	67.8	67.6	62.9*	57.8*	55.5*	50.9*	40.9*	38.5*	36.1*	33.5*	30.8*	
90		58.4	58.3	53.6*	51.5*	47.3*	39.8*	36.9*	33.9*	30.8*	28.3*	
100			50.5*	50.0*	48.1*	43.9*	37.5*	34.1*	31.2*	28.2*	25.8*	
110				44.1*	44.5*	40.8*	34.8*	31.5*	28.7*	25.8*	23.5*	
120					38.9*	38.1*	32.4*	29.1*	26.4*	23.6*	21.3*	
130						33.5*	29.7*	27.0*	24.2*	21.4*	18.5*	
140							26.7*	24.6*	21.2*	18.6*	15.8*	
150								21.9*	18.6*	16.0*	13.4*	
160									16.4*	13.7*	11.3*	
170										11.5*	9.5*	
180											7.7*	

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# PRELIMINARY CAPACITY CHART

LIFTCRANE LUFFING JIB CAPACITIES  
 LUFFING JIB No. 135  
 223,100-LB COUNTERWEIGHT.  
 360 DEGREE RATING



**MANITOWOC**  
 Model 888 Series 2  
 Boom No. 22EL  
 83 Degree Boom Angle

Liftcrane capacities are calculated to be within the scope of ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Weight of all load blocks, hooks, weight balls, slings, hoist lines, etc., beneath boom and luffing jib point sheaves is considered part of luffing jib load. Where no capacity is shown operation is not intended or approved.

Machine equipped with 28' 2" long fully extended crawlers, 48" treads, 10' 4" gantry, 30' mast, 20-part boom hoist reeving, four 1-3/8" boom pendants, 8-part luffing jib hoist reeving, two 1-1/2" luffing jib pendants, 179,100-lb upperworks and 44,000-lb carbody counterweight assemblies.

## 180 Foot Boom No. 22EL at 83 degrees

Liftcrane Luffing Jib capacities (Thousands of Pounds)											
Radius (Feet)	Jib Lengths (Feet)										
	70	80	90	100	110	120	130	140	150	160	170
65	71.6*	66.1*	60.5*	55.9*	44.8*						
70	71.6*	66.1*	60.5*	55.9*	44.1*	41.7*					
80	64.6	64.3	60.5*	55.9*	42.9*	40.7*	38.3*	35.9*	33.7*		
90	55.8	55.6	55.4	55.1	41.8*	39.7*	37.5*	35.2*	32.9*	30.6*	26.5*
100		48.7	48.6	48.3	40.7*	38.8*	36.7*	34.4*	32.2*	29.8*	24.6*
110			43.2	42.9	39.7*	37.9*	36.0*	33.6*	30.7*	27.7*	22.7*
120				37.5*	36.9*	36.0*	34.7*	31.3*	28.5*	25.6*	20.8*
130					32.3*	31.8*	31.2*	29.2*	26.5*	23.6*	18.9*
140						28.0*	27.7*	27.1*	24.5*	21.6*	16.4*
150							24.5*	24.2*	21.8*	19.1*	14.2*
160								21.5*	19.1*	16.5*	12.2*
170									16.8*	14.2*	10.4*
180										12.1*	8.7*
190											7.2*
200											6.0*

## 200 Foot Boom No. 22EL at 83 degrees

Liftcrane Luffing Jib Capacities (Thousands of Pounds)											
Radius (Feet)	Jib Lengths (Feet)										
	70	80	90	100	110	120	130	140	150	160	170
70	67.0*	61.6*	56.7*	44.8*	42.7*						
80	63.2*	61.5*	56.7*	43.5*	41.6*	39.4*	37.1*	34.8*			
90	55.2	55.0	53.5*	42.2*	40.6*	38.5*	36.3*	34.1*	31.9*	29.7*	26.6*
100	48.4	48.2	47.3*	41.1*	39.6*	37.7*	35.6*	33.4*	31.3*	29.1*	24.8*
110		42.6*	41.4*	40.0*	38.7*	36.9*	34.9*	32.8*	30.7*	27.9*	22.9*
120			36.5*	35.3*	34.6*	33.6*	32.4*	30.9*	28.8*	25.9*	21.2*
130				31.3*	30.7*	30.0*	29.2*	28.2*	26.8*	24.0*	19.4*
140					27.4*	26.7*	26.2*	25.5*	24.7*	22.1*	17.2*
150						23.9*	23.4*	23.0*	22.5*	20.0*	14.9*
160							21.1*	20.6*	20.0*	17.3*	12.8*
170								18.6*	17.5*	14.9*	10.9*
180									15.4*	12.8*	9.2*
190										10.9*	7.7*
200											6.4*

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# PRELIMINARY CAPACITY CHART

LIFTCRANE LUFFING JIB CAPACITIES

LUFFING JIB No. 135

223,100-LB COUNTERWEIGHT

360 DEGREE RATING



**MANITOWOC**

Model 888 Series 2

Boom No. 22EL

60 Degree Boom Angle

Liftcrane capacities are calculated to be within the scope of ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Weight of all load blocks, hooks, weight balls, slings, hoist lines, etc., beneath boom and luffing jib point sheaves is considered part of luffing jib load. Where no capacity is shown operation is not intended or approved.

Machine equipped with 28' 2" long fully extended crawlers, 48" treads, 10' 4" gantry, 30' mast, 20-part boom hoist reeving, four 1-3/8" boom pendants, 8-part luffing jib hoist reeving, two 1-1/2" luffing jib pendants, 179,100-lb upperworks and 44,000-lb carbody counterweight assemblies.

## 70 Foot Boom No. 22EL at 60 degrees

Liftcrane Luffing Jib Capacities (Thousands of Pounds)												
Radius (Feet)	Jib Lengths (Feet)											
	70	80	90	100	110	120	130	140	150	160	170	
90	51.7											
100	45.3	45.0										
110	40.1	40.0	39.8	39.4								
120		35.7	35.6	35.3	35.3							
130			32.1	31.9	31.9	31.5	31.3					
140				28.8	28.9	28.6	28.4	28.1				
150					26.4	26.1	25.9	25.6	24.5*	21.6*		
160						23.9	23.8	23.4	22.0*	19.3*	16.4*	
170							21.8	21.5	19.2*	16.6*	14.0*	
180								19.8	16.9*	14.3*	11.8*	
190									14.9*	12.0*	9.9*	
200										10.0*	8.2*	
210											6.5*	

## 100 Foot Boom No. 22EL at 60 degrees

Liftcrane Luffing Jib Capacities (Thousands of Pounds)												
Radius (Feet)	Jib Lengths (Feet)											
	70	80	90	100	110	120	130	140	150	160	170	
105	38.9											
110	36.7											
120	32.9	32.5	32.3									
130		29.3	29.1	28.8								
140			26.4	26.1	26.1	25.7						
150				23.7	23.8	23.4	23.2					
160					21.8	21.4	21.2	20.8	20.7			
170						19.7	19.5	19.1	19.0	18.7		
180							17.9	17.6	17.5	17.2	15.3*	
190								16.2	16.2	15.6*	13.0*	
200									14.9	13.4*	10.9*	
210										11.2*	9.1*	
220											7.4*	
225											6.6*	

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# PRELIMINARY CAPACITY CHART

LIFTCRANE LUFFING JIB CAPACITIES  
 LUFFING JIB No. 135  
 223,100-LB COUNTERWEIGHT  
 360 DEGREE RATING



**MANITOWOC**  
 Model 888 Series 2  
 Boom No. 22EL  
 60 Degree Boom Angle

Liftcrane capacities are calculated to be within the scope of ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Weight of all load blocks, hooks, weight balls, slings, hoist lines, etc., beneath boom and luffing jib point sheaves is considered part of luffing jib load. Where no capacity is shown operation is not intended or approved.

Machine equipped with 28' 2" long fully extended crawlers, 48" treads, 10' 4" gantry, 30' mast, 20-part boom hoist reeving, four 1-3/8" boom pendants, 8-part luffing jib hoist reeving, two 1-1/2" luffing jib pendants, 179,100-lb upperworks and 44,000-lb carbody counterweight assemblies.

## 180 Foot Boom No. 22EL at 60 degrees

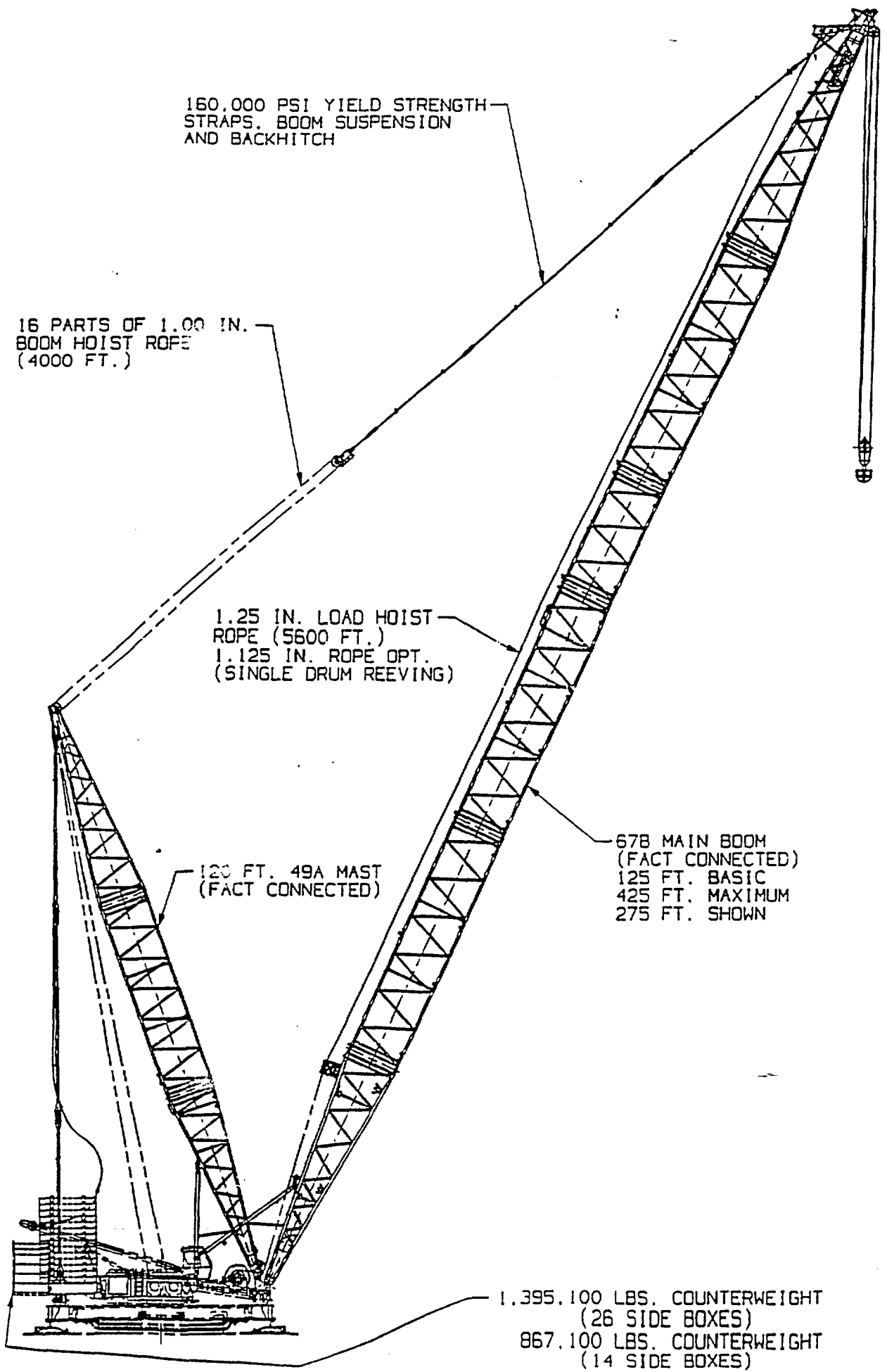
Liftcrane Luffing Jib Capacities (Thousands of Pounds)												
Radius (Feet)	Jib Lengths (Feet)											
	70	80	90	100	110	120	130	140	150	160	170	
145	17.2											
150	16.3											
160	14.8	14.4	14.2									
170		13.1	12.9	12.5								
180			11.8	11.4	11.4	10.9						
190				10.3	10.4	10.0	9.7					
200					9.5	9.1	8.8	8.4	8.3			
210						8.3	8.0	7.6	7.5	7.1		
220							7.3	6.9	6.9	6.4	6.2	
230								6.3	6.2	5.8	5.6	
240									5.6	5.2	5.0	
250										4.7	4.5	
260											4.0	

## 200 Foot Boom No. 22EL at 60 degrees

Liftcrane Luffing Jib Capacities (Thousands of Pounds)												
Radius (Feet)	Jib Lengths (Feet)											
	70	80	90	100	110	120	130	140	150	160	170	
155	13.9											
160	13.3											
170	12.0	11.6	11.4									
180		10.6	10.3	9.9								
190			9.4	9.0	9.0	8.5						
200				8.1	8.2	7.7	7.4					
210					7.4	7.0	6.7	6.3	6.2			
220						6.3	6.1	5.7	5.6	5.1		
230							5.5	5.1	5.0	4.6		
240								4.5	4.5	4.1		
250									4.0			

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150,000 PSI YIELD STRENGTH STRAPS, BOOM SUSPENSION AND BACKHITCH

16 PARTS OF 1.00 IN. BOOM HOIST ROPE (4000 FT.)

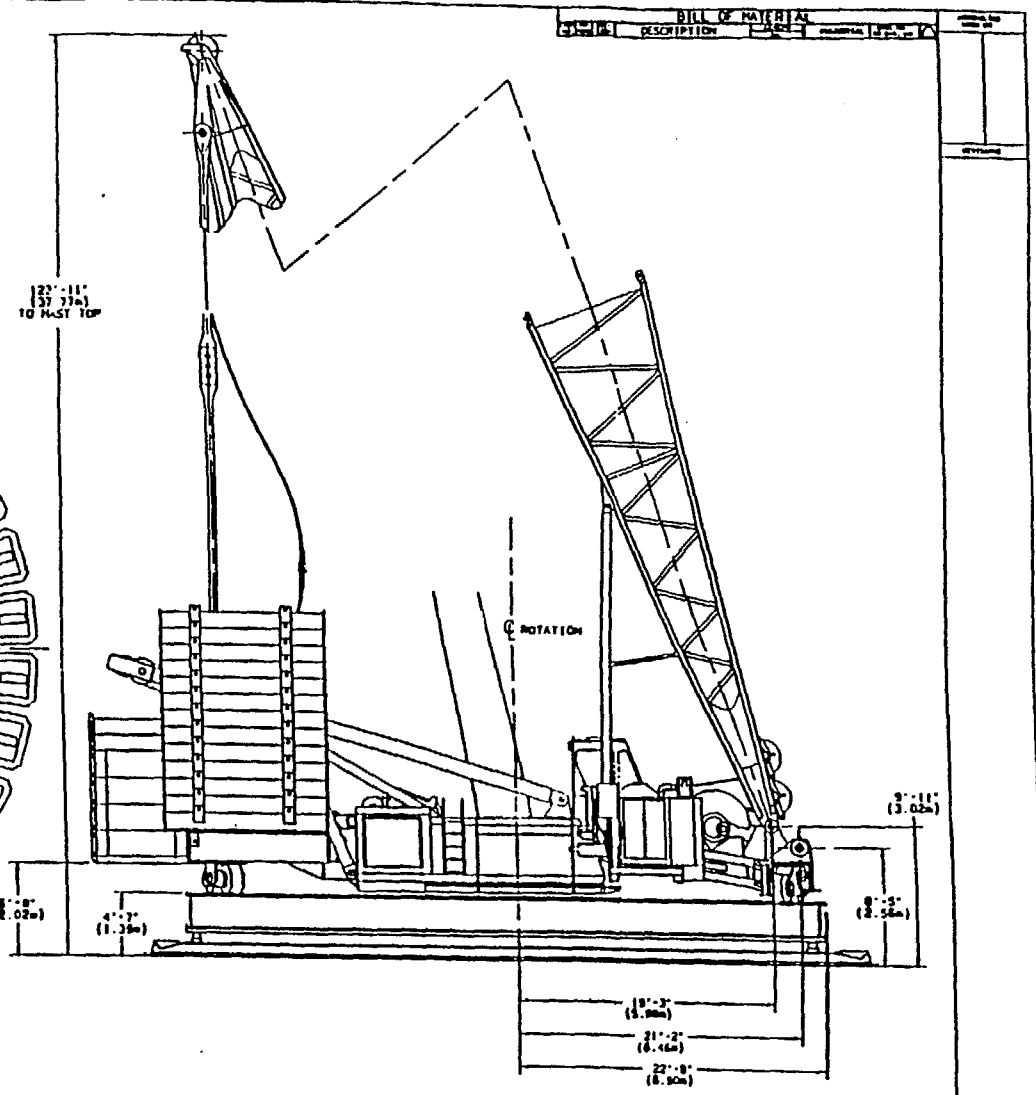
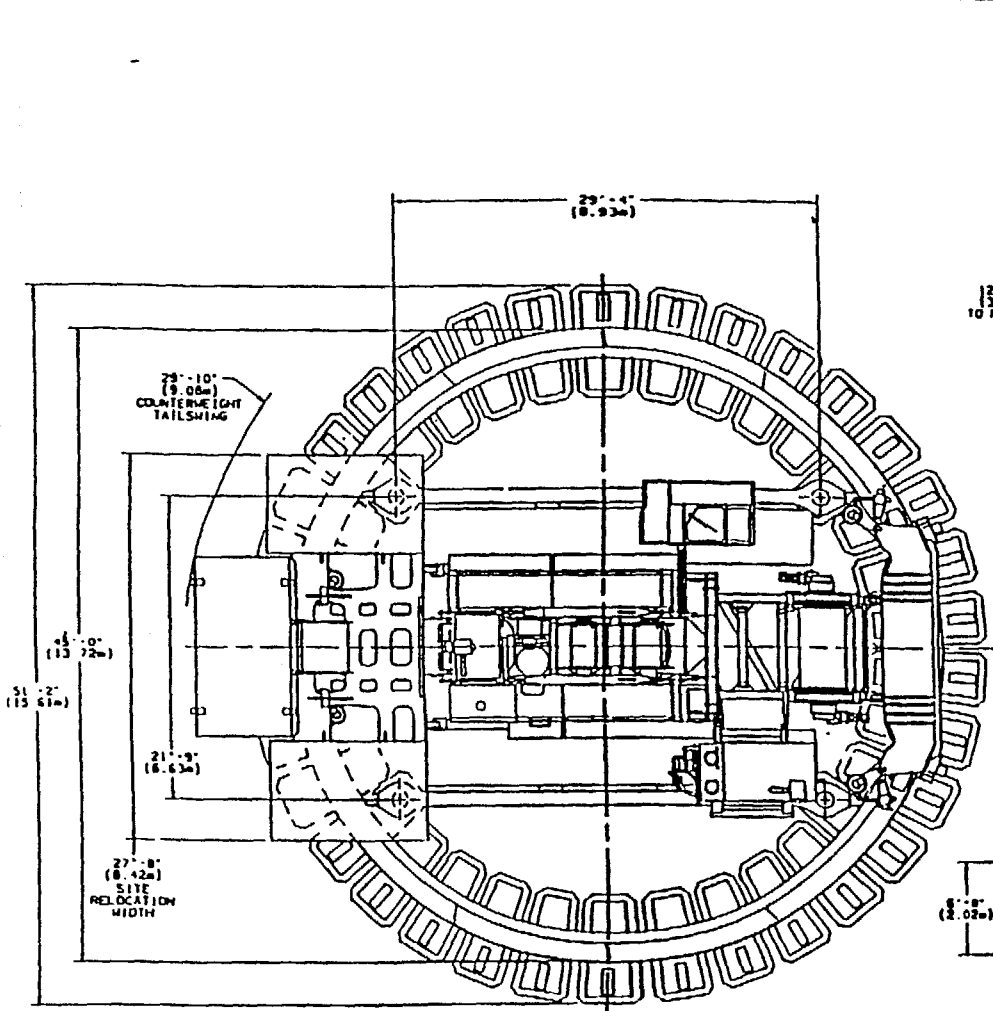
1.25 IN. LOAD HOIST ROPE (5600 FT.)  
1.125 IN. ROPE OPT. (SINGLE DRUM REEVING)

120 FT. 49A MAST (FACT CONNECTED)

678 MAIN BOOM (FACT CONNECTED)  
125 FT. BASIC  
425 FT. MAXIMUM  
275 FT. SHOWN

1,395,100 LBS. COUNTERWEIGHT (26 SIDE BOXES)  
867,100 LBS. COUNTERWEIGHT (14 SIDE BOXES)

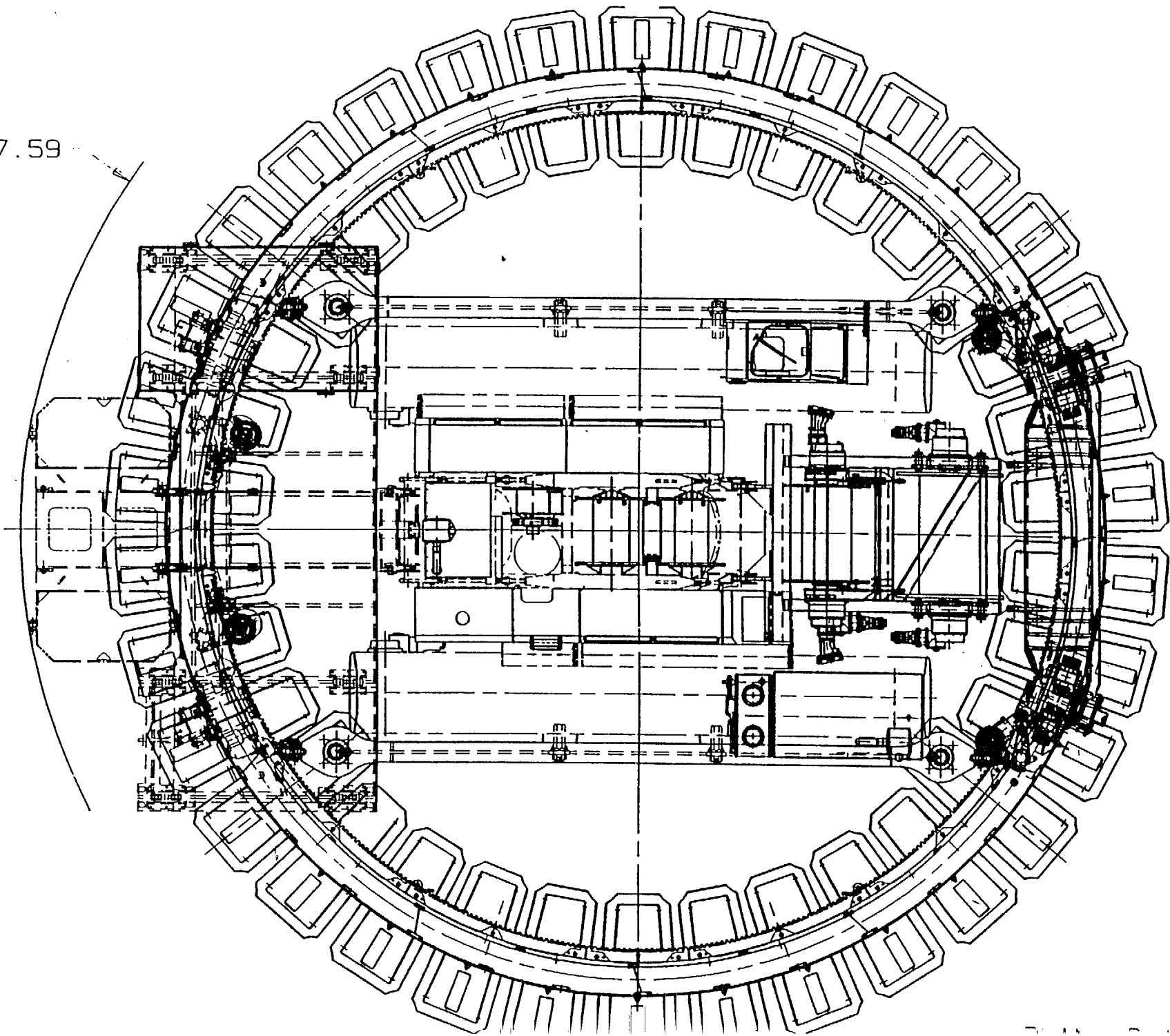




NOTE: ALL VERTICAL DIMENSIONS ARE BASED ON 2" (.05 m) CLEARANCE BETWEEN UNDERSIDE OF RING AND GROUND. VERTICAL DIMENSIONS WILL VARY DEPENDING ON HEIGHT ADJUSTMENT OF RING.

DATE: 10-05-96	REVISED DESCRIPTION: CRANE OUTLINE DIME
BY: MYS	DATE: 10-05-96
CHK: TP	BY: MYS
APP: TP	CHK: TP

R357.59



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# PRELIMINARY CAPACITY CHART

LIFTCRANE BOOM CAPACITIES  
 BOOM No. 67B  
 1,059,000-LB AUXILIARY COUNTERWEIGHT



**MANITOWOC**  
 Model 888 RINGER  
 Boom No. 67B

## 360 DEGREE RATING

Liftcrane capacities are calculated to comply with ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Weight of all load blocks, hooks, weight balls, slings, hoist lines, etc., beneath boom point sheaves is considered part of load. Where no capacity is shown operation is not intended or approved.

Ringer equipped with 45' diameter ring, 120' No. 49A mast, 16-part boom hoist line, four 1-3/4" boom pendants and 1,059,000-lb auxiliary counterweight assembly. 888 equipped with 28' 2" long crawlers, 48" treads, 10' 4" gantry, 30' mast, 20-part mast reeving, four 1-3/8" mast self-erecting pendants, 0-lb crane and 0-lb carbody counterweight assemblies.

Ringer Liftcrane Capacities (Thousands of Pounds)													
Radius (Feet)	Boom Lengths (Feet)												
	125	150	175	200	225	250	275	300	325	350	375	400	
40	1200.0*												
45	1173.0*	1139.1*	1029.7*										
50	1091.9*	1082.4*	1026.9*	917.6*									
55	1021.0*	1011.8*	1003.5*	907.5*	792.9*	697.9*							
60	958.4*	949.6*	941.6*	896.1*	783.8*	690.9*	609.5*	537.0*					
70	807.5	804.4	802.8	800.6	765.8*	676.6*	598.6*	528.6*	460.4*	386.0*	324.4*		
80	667.9	664.9	663.1	660.9	658.6	655.9	587.3*	519.5*	460.4*	386.0*	324.4*	274.1*	
90	568.0	565.0	563.1	560.8	558.5	555.8	553.2	510.1*	453.2*	386.0*	324.4*	274.1*	
100	492.9	490.0	488.0	485.7	483.3	480.6	478.0	475.1	443.3*	386.0*	324.4*	274.1*	
110	434.4	431.5	429.5	427.1	424.7	422.0	419.4	416.5	413.7	381.7*	324.4*	274.1*	
120	387.5	384.6	382.6	380.2	377.8	375.1	372.4	369.5	366.7	363.7	324.4*	274.1*	
130	344.3*	346.2	344.2	341.7	339.3	336.6	334.0	331.0	328.3	325.2	315.6*	274.1*	
140	278.8*	314.2	312.1	309.7	307.3	304.5	301.9	299.0	296.2	293.1	290.3	268.0*	
150		287.0	284.9	282.5	280.1	277.4	274.7	271.8	269.0	266.0	263.1	260.2*	
160		261.7*	261.6	259.2	256.8	254.0	251.4	248.5	245.7	242.6	239.8	236.7	
170			241.3	238.9	236.5	233.8	231.1	228.2	225.4	222.4	219.5	216.4	
180			223.6	221.2	218.8	216.1	213.4	210.5	207.7	204.7	201.8	198.7	
190			201.3*	205.5	203.1	200.4	197.8	194.9	192.1	189.1	186.2	183.1	
200				191.5	189.1	186.5	183.8	180.9	178.1	175.1	172.2	169.2	
210				178.9	176.6	174.0	171.3	168.5	165.7	162.7	159.8	156.7	
220					165.3	162.7	160.1	157.2	154.4	151.4	148.5	145.5	
230					155.0	152.5	149.9	147.0	144.3	141.3	138.4	135.3	
240						143.2	140.6	137.8	135.0	132.0	129.1	126.1	
250						134.6	132.1	129.3	126.5	123.5	120.7	117.6	
260						126.7	124.2	121.5	118.7	115.8	112.9	109.8	
270							117.0	114.3	111.6	108.6	105.7	102.7	
280							110.3	107.6	104.9	102.0	99.1	96.1	
290								101.5	98.8	95.9	93.0	90.0	
300								95.7	93.0	90.1	87.3	84.3	
310								90.2	87.7	84.8	82.0	79.0	
320									82.6	79.8	77.0	74.0	
330									77.9	75.1	72.3	69.4	
340										70.7	67.9	65.0	
350										66.5	63.8	60.9	
360											59.9	57.0	
370											56.2	53.3	
380											52.6	49.8	
390												46.5	
400													43.3

**MANITOWOC ENGINEERING CO.**  
 Division of the Manitowoc Company, Inc.  
 P.O. Box 70 ♦ Manitowoc, WI 54221-0070  
 Telephone: 414-684-6621 ♦ Fax: 414-683-6277

NOTICE: This capacity chart is for reference use only and must not be used for lifting purposes. Regular capacity charts for a specific crane can be purchased from an authorized Manitowoc Distributor.

# PRELIMINARY CAPACITY CHART

LIFTCRANE BOOM CAPACITIES

BOOM No. 67B

1,323,000-LB AUXILIARY COUNTERWEIGHT



**MANITOWOC**

Model 888 RINGER

Boom No. 67B

## 360 DEGREE RATING

Liftcrane capacities are calculated to comply with ANSI B30.5 requirements and do not exceed 75% of static tipping load. Capacities based on structural competence denoted by an asterisk (\*).

Weight of all load blocks, hooks, weight balls, slings, hoist lines, etc., beneath boom point sheaves is considered part of load. Where no capacity is shown operation is not intended or approved.

Ringer equipped with 45" diameter ring, 120' No. 49A mast, 16-part boom hoist line, four 1-3/4" boom pendants and 1,323,000-lb auxiliary counterweight assembly. 888 equipped with 28' 2" long crawlers, 48" treads, 10' 4" gantry, 30' mast, 20-part mast reeving, four 1-3/8" mast self-erecting pendants, 0-lb crane and 0-lb carbody counterweight assemblies.

Liftcrane Capacities (Thousands of Pounds)												
Radius (Feet)	Boom Lengths (Feet)											
	125	150	175	200	225	250	275	300	325	350	375	400
40	1200											
45	1173	1139.1	1029.7									
50	1091	1082.4	1026.9	917.6*								
55	1021	1011.8	1003.5	907.5*	792.9*	697.9*						
60	958.4*	949.6*	941.6*	896.1*	783.8*	690.9*	609.5*	537.0*				
65	902.8*	894.3*	886.5*	878.0*	774.7*	683.8*	604.1*	532.9*	460.4*			
70	853.1*	844.8*	837.3*	829.0*	765.8*	676.6*	598.6*	528.6*	460.4*	386.0*	324.4*	
75	808.3*	800.2*	793.0*	785.0*	756.9*	669.3*	592.9*	524.1*	460.4*	386.0*	324.4*	274.1*
80	767.7*	760.0*	753.0*	745.2*	737.7*	661.9*	587.3*	519.5*	460.4*	386.0*	324.4*	274.1*
85	719.6	716.6	714.8	709.0*	701.7*	654.7*	581.5*	514.9*	458.0*	386.0*	324.4*	274.1*
90	666.0	663.0	661.1	658.8	656.5	633.4*	575.8*	510.1*	453.2*	386.0*	324.4*	274.1*
95	617.3*	616.5	614.5	612.2	609.9	596.2*	559.8*	505.4*	448.3*	386.0*	324.4*	274.1*
100	567.1*	575.7	573.8	571.4	569.1	563.0*	529.2*	497.4*	443.3*	386.0*	324.4*	274.1*
110	481.2*	507.8	505.7	503.4	501.0	498.3	477.3*	449.2*	423.2*	381.7*	324.4*	274.1*
120	403.7*	453.3	451.2	448.8	446.5	443.7	434.5*	409.6*	386.0*	363.9*	324.4*	274.1*
130	344.3*	403.5*	406.6	404.2	401.8	399.1	396.4	376.3*	354.9*	334.5*	315.6*	274.1*
140	278.8*	356.4*	369.4	366.9	364.5	361.8	359.1	347.6*	328.2*	309.2*	291.7*	266.2*
150		308.7*	337.8	335.4	332.9	330.2	327.6	322.4*	305.0*	287.5*	271.0*	255.2*
160		261.7*	310.7	308.3	305.8	303.1	300.5	297.6	284.5*	268.3*	252.9*	237.9*
170			275.3*	284.8	282.3	279.6	277.0	274.1	266.1*	251.2*	236.8*	222.6*
180			240.3*	264.2	261.7	259.0	256.4	253.5	249.5*	235.8*	222.2*	208.9*
190			201.3*	243.7*	243.5	240.9	238.2	235.3	232.5	221.8*	209.1*	196.5*
200				216.9*	227.3	224.7	222.0	219.1	216.3	209.0*	197.2*	185.2*
210				188.5*	212.8	210.2	207.5	204.7	201.9	197.1*	186.1*	174.8*
220					193.8*	197.1	194.5	191.6	188.8	185.8	175.9*	165.2*
230					172.2*	185.2	182.6	179.8	177.0	174.0	166.3*	156.3*
240						172.1*	171.8	169.0	166.2	163.3	157.3*	147.9*
250						155.1*	162.0	159.2	156.4	153.5	148.9*	140.1*
260						136.2*	151.9*	150.1	147.4	144.4	140.8*	132.6*
270							138.2*	141.2*	139.1	136.1	133.1*	125.6*
280							123.5*	130.3*	131.4	128.5	125.6	118.8*
290								122.0*	122.3*	121.3	118.5	112.3*
300								110.0*	113.3*	114.7	111.7*	106.1*
310								96.6*	106.6*	105.1*	104.9*	100.0*
320									96.9*	97.4*	98.3*	94.1*
330									86.3*	92.1*	89.3*	88.3*
340										84.0*	82.8*	82.6*
350										75.3*	76.2*	74.8*
360											71.6*	69.2*
370											64.4*	63.5*
380											56.3*	59.8*
390												53.6*
400												46.9*

### MANITOWOC ENGINEERING CO.

Division of the Manitowoc Company, Inc.

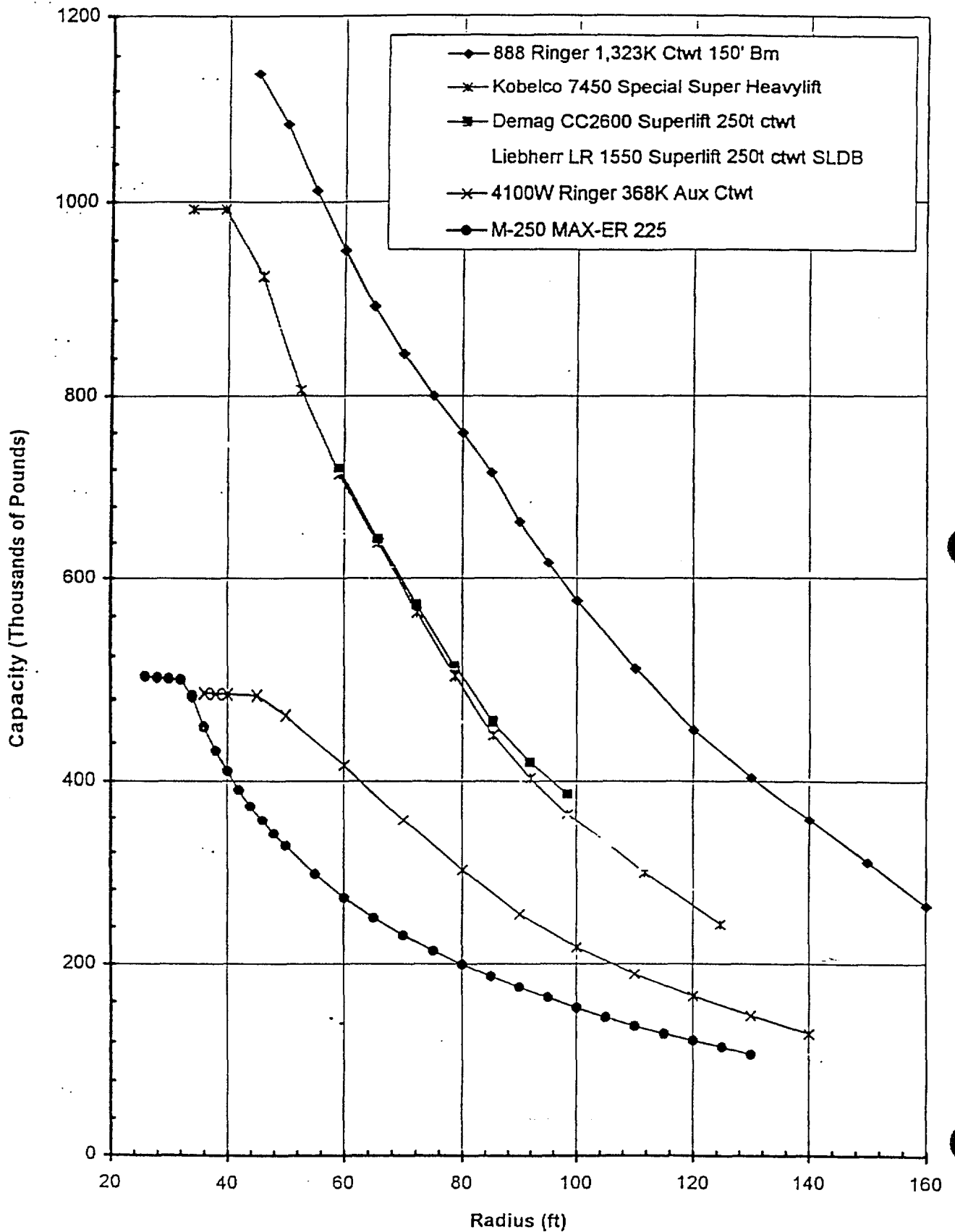
P.O. Box 70 ♦ Manitowoc, WI 54221-0070

Telephone: 414-684-6621 ♦ Fax: 414-683-6277

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# 888 Ringer Capacity Comparison

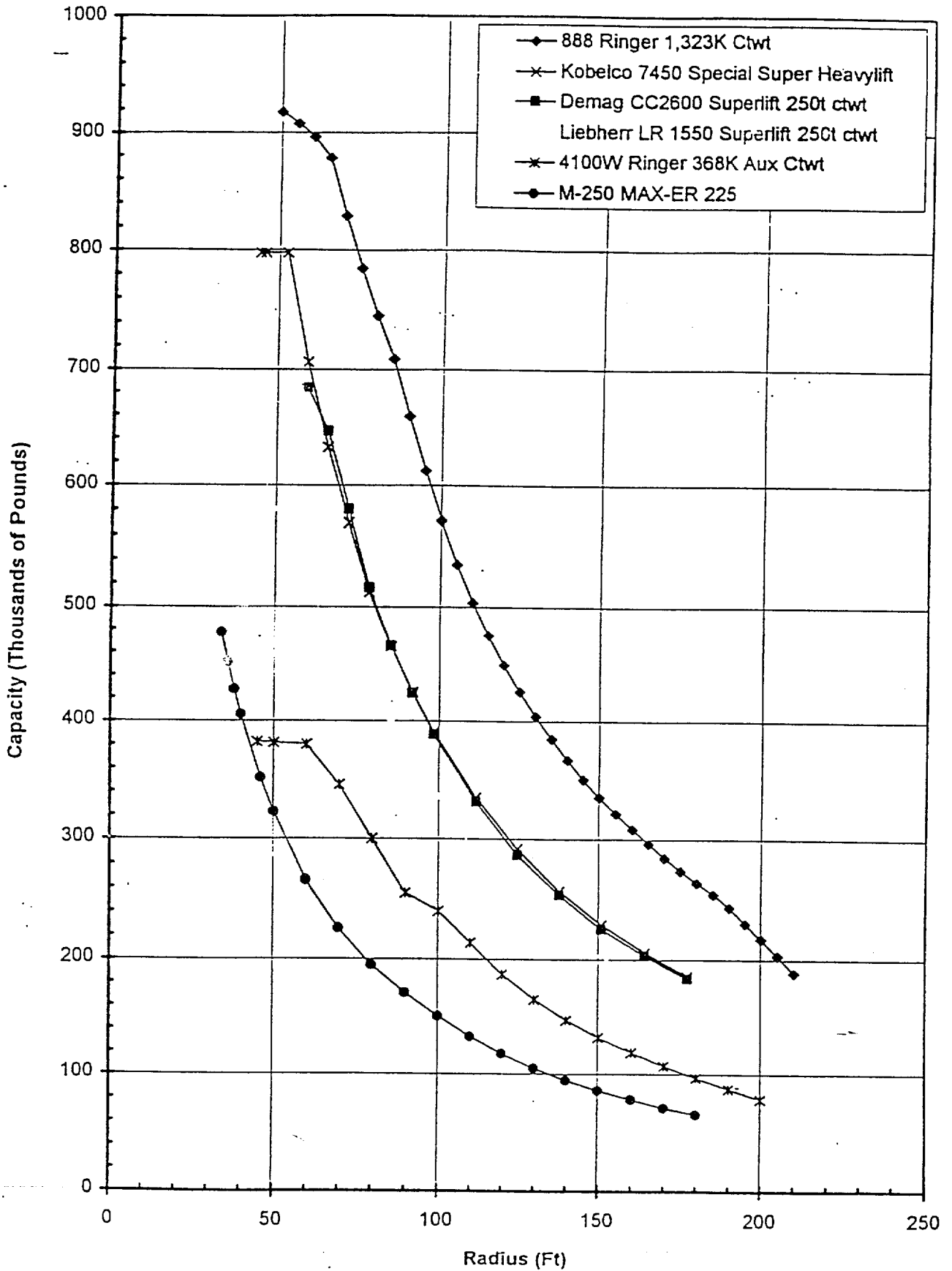
140' Boom



Comparative information is for reference use only and is subject to change. Selected manufacturer should be

# 888 Ringer Capacity Comparisons

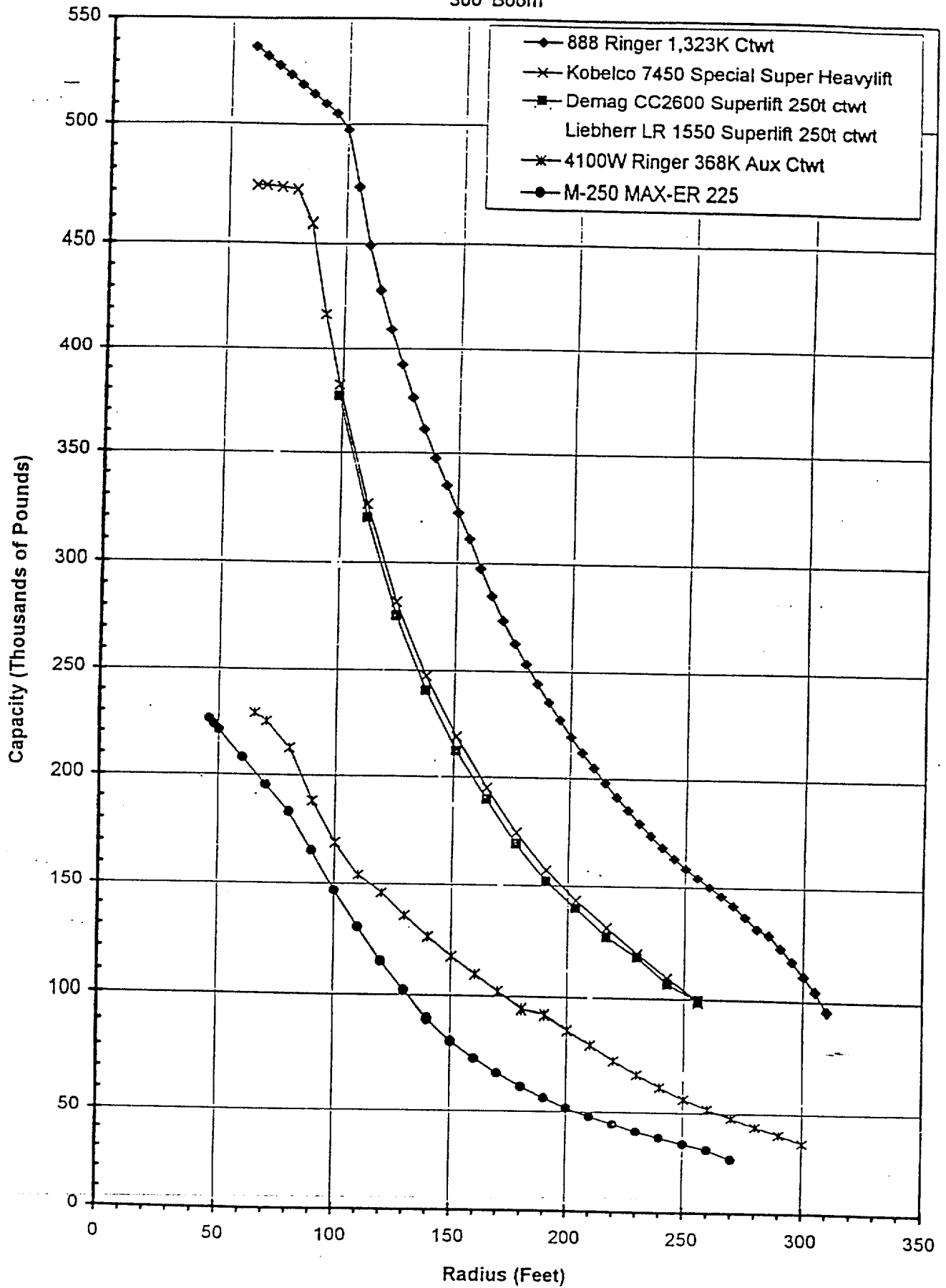
200' Boom



Comparative information is for reference use only and is subject to change. Selected manufacturer should be consulted for current and accurate data.

# 888 Ringer Capacity Comparisons

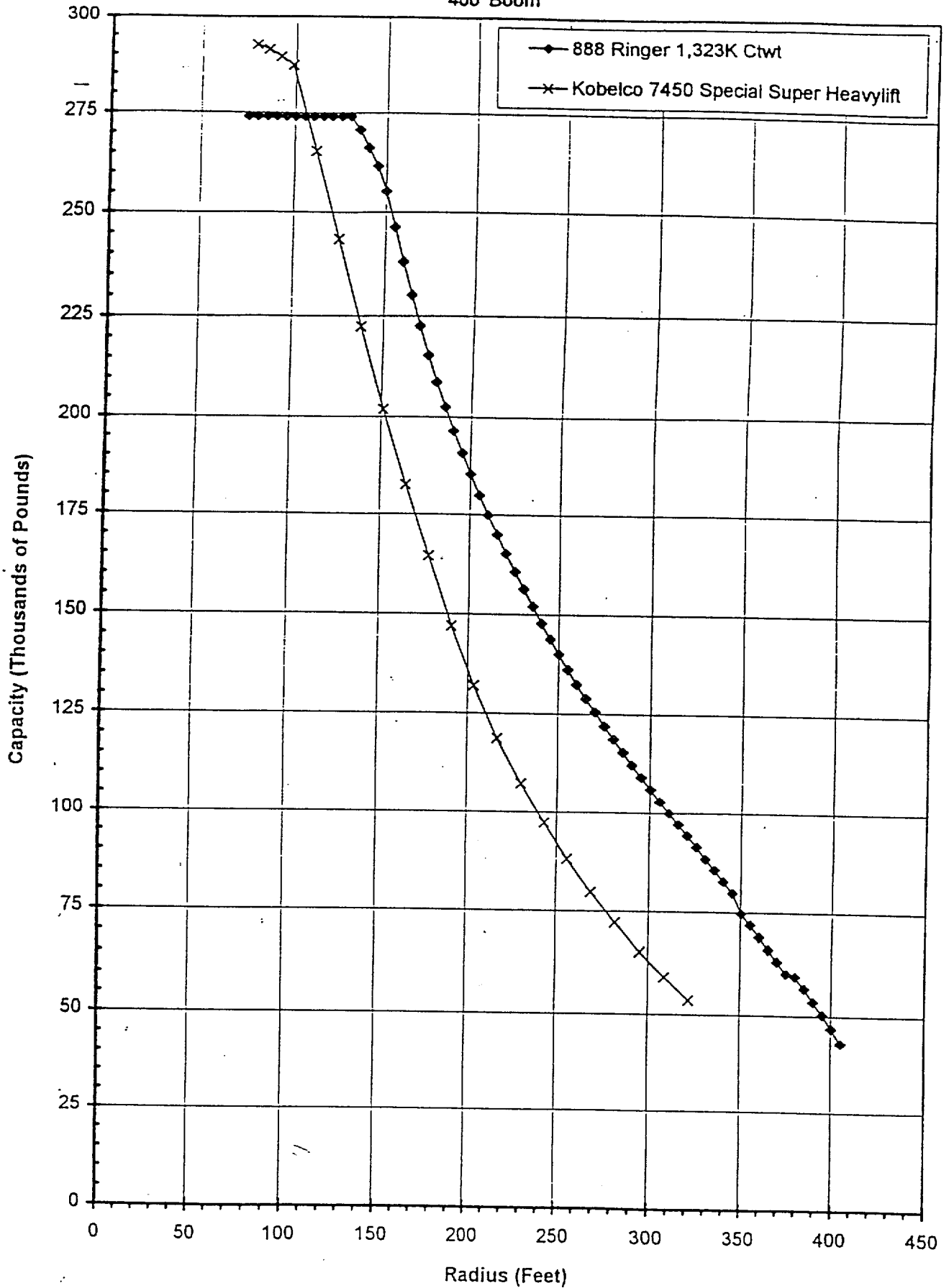
300' Boom



Comparative information is for reference use only and is subject to change. Selected manufacturer should be consulted for current and accurate data

# 888 Ringer Capacity Comparison

400' Boom



Comparative information is for reference use only and is subject to change. Selected manufacturer should be