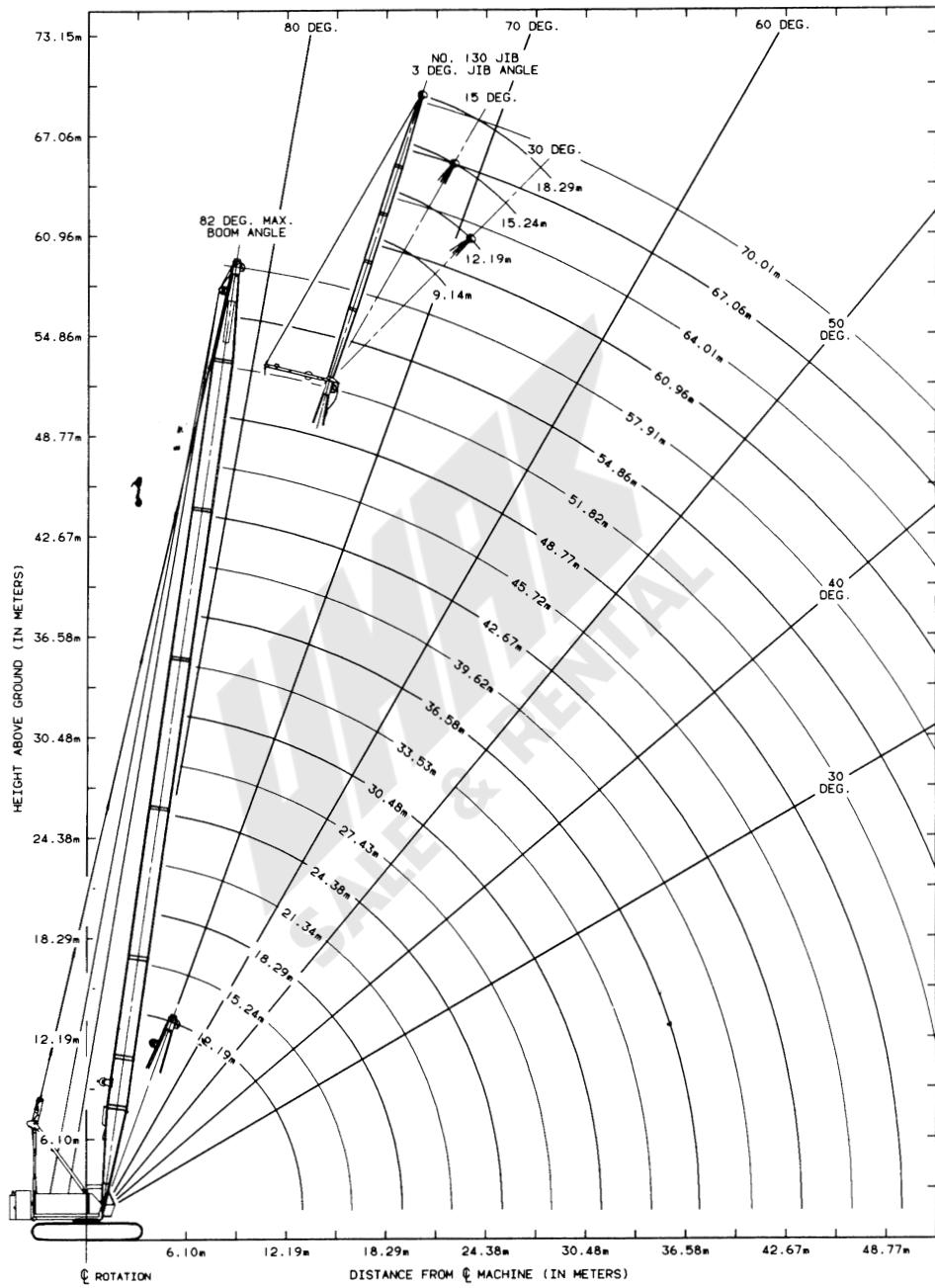
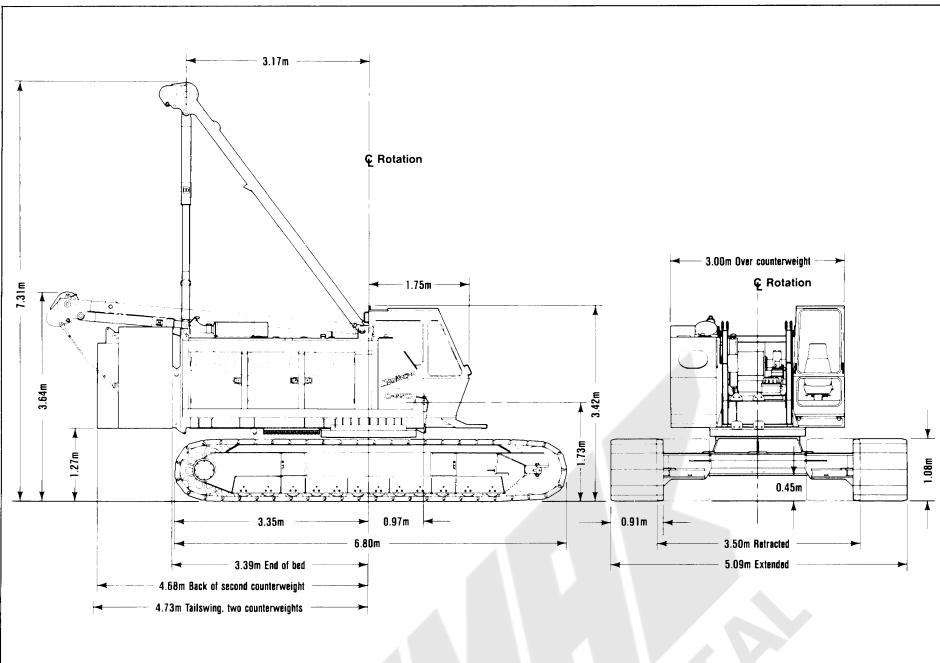


# MANITOWOC M-65W - 65-MTon liftcrane

6,804 KG CLAMSHELL 6,124 KG DRAGLINE



# MANITOWOC M-65w – Outline dimensions



## SPECIFICATIONS

### BASIC MACHINE

#### Upperworks

**ROTATING BED:** Fabricated steel rotating bed is mounted on 1.65m diameter turntable bearing.

**DRUMS:** Basic machine is equipped with two full-width drums. Drums are 457mm wide and 419mm diameter. Each drum is antifriction mounted on a separate shaft and is driven independently by a fixed-displacement hydraulic motor through a reduction gear. Internal-expanding drum clutches are spring set, air released. External-contracting drum brakes are air applied, spring released. Parking brakes are spring set, air released.

**BOOM HOIST:** Rear-mounted independent two-drum boom hoist is powered by a fixed-displacement hydraulic motor coupled to a planetary reduction, and is equipped with ratchet and pawl.

**SWING SYSTEM:** Front-mounted independent swing is powered by a fixed-displacement hydraulic motor coupled to an internal brake and planetary reduction. Includes gear-segment type swing lock.

**OPERATOR'S STATION:** Fully enclosed and insulated steel module mounted to the left front corner of rotating bed. Module is equipped with sliding door, large safety glass windows on all sides and roof. Electric signal horn, cab space heater, upper front windshield wiper, dome light, and air circulating fan are standard equipment.

#### Lowerworks

**CARBODY:** Single-piece steel fabricated carbody incorporates wide wings that facilitate removal from pockets in crawler frames. Crawlers hydraulically extend to 5.09m and hydraulically retract to 3.50m.

**CRAWLERS:** Crawler assemblies are 6.80m long reinforced steel fabrications with 914mm closed treads and sealed "low-maintenance" rollers. Each crawler is powered independently by a variable-displacement hydraulic motor driving through a planetary reduction. Crawlers provide counter-rotation capability.

**ENGINE/TRANSMISSION:** Cummins 6 CT 8.3 diesel engine rated at 157 KW at 2200 RPM provides independent power for all machine operations through the multi-hydraulic-pump transmission. Power system also includes engine block heater (120V), high silencing muffler, hydraulic oil cooler, radiator, and fan.

**CONTROLS:** Modulating electric-over-hydraulic controls provide infinite function speed response directly proportional to control movement. Selector switch permits hoisting drums to be operated in power-down (liftrcane), free-fall (excavator), or clamshell mode.

# MANITOWOC M-65W – Performance data

## Wire Rope Specifications

Application	Dia.	Description	Breaking Strength	Weight	Max. Operating Length
Lift	19mm	6 x 25 EIPS Regular Lay	26,672 Kgs.	1.55 Kgs./M	217.63M Hoist 217.63M Whip 76.81M Auxiliary*
Clam	19mm	6 x 25 EIPS Regular Lay	26,672 Kgs.	1.55 Kgs./M	70.10M Closing 54.86M Holding
Drag	19mm	6 x 25 EIPS Lang Lay	26,672 Kgs.	0.91 Kgs./M	57.91M Hoist 30.48M Drag
Boom Hoist	14mm	6 x 26 EIPS Alternate Lay	15,241 Kgs.	0.91 Kgs./M	173.74M

\*Optional drum mounted on rear drum shaft for 3-drum applications. 6,804-kg. line pull.

## Line Pull Vs. Line Speed\*

Line Pull	Line Speed	Divert 1 Travel Pump	Divert 2 Travel Pumps
0 Kgs.	74.68 MPM	116.43 MPM	158.50 MPM
2,268 Kgs.	73.76 MPM	114.60 MPM	155.45 MPM
4,536 Kgs.	72.54 MPM	112.78 MPM	120.70 MPM
6,804 Kgs.	71.32 MPM	80.47 MPM	80.47 MPM

\*Chart data based on 419mm diameter smooth drum, 5th layer.

**SWING SPEED:** 3.5 RPM.

**TRAVEL SPEED:** 1.61 KPH.

**GRADEABILITY:** 30%.

**BOOM HOIST SPEED:** 57.9m boom, 0° to 82° — 1 minute, 27 seconds.

## LIFTCRANE ATTACHMENT

**BASIC BOOM:** The liftcrane is equipped with 12.19m No. 46 basic boom consisting of 6.40m butt and 5.79m top with five 508mm diameter antifriction-bearing-mounted steel sheaves. Includes rope guides, boom hoist wire rope, boom angle indicator, and hook and weight ball.

Gantry with telescopic backhitch and power operated back-hitch pins.

Telescopic air-cushioned boom stop.

Automatic boom stop.

**COUNTERWEIGHT:** Two-piece removable counterweight, total 19,051 Kgs., with power-operated pins and with counterweight-handling pendants.

## OPTIONAL EQUIPMENT

### BOOM AND JIB:

3.05m No. 46 Boom insert with pendants  
6.10m No. 46 Boom insert with pendants  
9.14m No. 46 Boom insert with pendants  
9.14m No. 130 Jib with mounting parts  
3.05m Jib insert with pendants

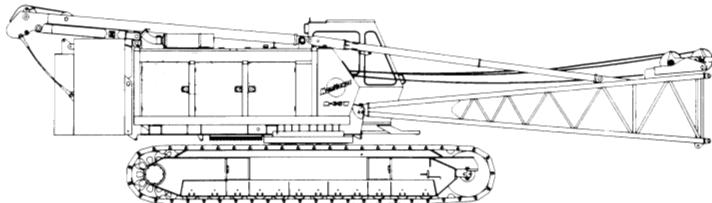
## ATTACHMENTS:

Manitowoc 68-ton five-sheave load block  
Single-sheave upper boom point (whipline)  
Pendant links for load-moment sensor pin  
Dragline fairlead  
Tagline, Rud-O-Matic No. 1248, two barrel  
Liftcrane lagging, 457mm diameter, grooved for  
19mm diameter rope — front/rear  
Clamshell/dragline lagging, 457mm diameter, grooved  
for 19mm diameter rope — front/rear  
Lift/clam/drag wire rope, 19mm diameter, 6x25 EIPS  
Machine preparation for X-SPANDER®  
X-SPANDER attachment  
Other attachments on request

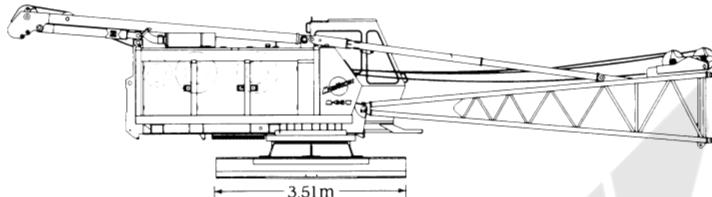
## BASIC MACHINE OPTIONS:

Split drum shaft assembly in place of  
single drum shaft  
Drum rotation indicators (2)  
Windshield wiper, lower front window  
Windshield wiper, roof window  
Ether starting aid  
Alcohol injector in air line  
Fire extinguisher  
Air conditioner in operator's cab  
Hydraulic third drum on front of rotating bed,  
4,400 kg. line pull  
Special paint — machinery enamel in color other than  
Manitowoc standard  
Block up limit control for load or auxiliary line  
Bail limit control for hoist drums

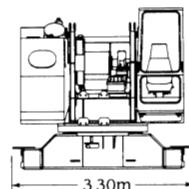
# **MANITOWOC M-65w – Shipping data (all dimensions length x width x height)**



Complete liftcrane less boom top: 59,687 Kgs.  
13.03m x 3.51m x 3.66m



Basic machine with boom butt & gantry: 22,544 Kgs.  
13.30m x 3.30m x 3.20m



Crawler frames: Each 8,959 Kgs.  
6.81m x 1.75m x 1.09m



Outer counter-weight: 3,175 Kgs.  
1.83m x 1.22m x 0.36m



Inner counterweight: 15,876 Kgs.  
3.00m x 1.17m x 1.78m



Boom top: 907 Kgs.  
7.39m x 1.32m x 1.45m

<b>Unit</b>	<b>Weight (Kgs.)</b>	<b>Dimensions (L x W x H)</b>
3.05m Boom insert	259	3.20m x 1.32m x 140m
6.10m Boom insert	440	6.25m x 1.32m x 140m
9.14m Boom insert	624	9.30m x 1.32m x 140m
9.14m Basic jib	699	Pack inside 9.14m boom insert
3.05m Jib insert	86	Pack inside 9.14m boom insert
68-MTon hook block with steel sheaves	621	1.55m x 0.64m x 0.64m
Pendant box	599	1.52m x 1.45m x 0.56m
Miscellaneous box, including weight ball	1,025	2.18m x 0.84m x 0.69m

# MANITOWOC M-65W – Liftcrane capacities boom no. 46

**19 050 KG COUNTERWEIGHT**

**6 807 MM CRAWLERS EXTENDED**

**360° RATING**

Capacities for various boom lengths and operating radii are for freely suspended loads and are calculated to comply with BS 1757-1986 clause 9, I.S.O. 4305 and BS 2573 part I – 1983 tables 5(a) and 6(a). Capacities based on structural competence are denoted by an asterisk(\*).

Upper boom point capacity for liftcrane service with single part whip line is 6 800kg. In all cases, upper boom point capacities cannot exceed those listed for the main boom capacity.

Weight of jib, 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.

Machine to operate in a level position on a firm uniformly supporting surface with crawlers fully extended (5 093mm) and gantry up. Refer to rigging no. 168744 and wire rope specification chart no. 7536-A. Crane operator judgement 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.

Machine may be operated in winds up to those shown in table provided crane operator judgement is used to allow for wind effect on the lifted load and other considerations noted on the capacity chart are followed. Wind will have a considerable effect on a load with a large 'sail area' and must be compensated for accordingly by reducing load ratings, reducing operating speeds or by a combination of both. Recommend stopping operation when wind is above those shown in table and tying off or lowering boom when wind is above 16 m/s.

Machine to travel on a firm, level and uniformly supporting surface and boom within the boom angle range shown in capacity chart.

Operating radius is the horizontal distance from the axis of rotation to the centre of vertical hoist line or load block. Boom angle is the angle between horizontal and centreline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity. Boom point elevation is vertical distance from ground level to centreline of boom point shaft.

Machine equipped with 6 807mm extendible crawlers, 914mm treads, 5 182mm retractable gantry, 12 part boom hoist reeving, two 32mm boom pendants, 1st counterweight = 15 875kg, and 2nd counterweight = 3 175kg.

WIND LIMITS DURING OPERATION	
MAXIMUM WIND VELOCITY	BOOM LENGTH METERS
14	12.2 - 36.6
10	39.6 - 48.8
7	51.8 - 57.9

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED				DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED	
OVER END OF BLOCKED CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS		JIB LGTH.	JIB NO. 130
BOOM LGTH.	JIB NO. 130	BOOM LGTH.	JIB NO. 130	9.1m	820 kg
57.9m	---	57.9m	---	12.2m	1 000 kg
54.9m	15.2m	54.9m	---	15.2m	1 180 kg
51.8m	18.3m	51.8m	12.2m	18.3m	1 410 kg
		48.8m	18.3m		

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

CONSULT JIB CHART FOR JIB CAPACITIES.

BOOM LGTH. METERS FEET	BOOM LGTH. METERS FEET	OPER. RAD. METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY KILOGRAMS	BOOM LGTH. METERS FEET	BOOM LGTH. METERS FEET	OPER. RAD. METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY KILOGRAMS
<b>1</b>	<b>2</b>	<b>4</b>	<b>0</b>	3.7	78.4	13.6	70 000*	3.7	80.8	16.7	64 500*
				4.0	77.0	13.5	70 000*	4.0	79.6	16.7	63 800*
				4.3	75.5	13.5	69 800*	4.3	78.4	16.6	63 200*
				4.6	74.0	13.4	65 200*	4.6	77.3	16.5	62 500*
				4.9	72.5	13.3	61 000*	4.9	76.1	16.5	60 900*
				5.2	71.0	13.2	55 000	5.2	74.9	16.4	55 000
				5.5	69.5	13.1	49 800	5.5	73.7	16.3	49 800
				5.8	67.9	12.9	45 600	5.8	72.5	16.2	45 500
				6.1	66.3	12.8	41 900	6.1	71.3	16.1	41 900
				6.4	64.7	12.6	38 800	6.4	70.1	16.0	38 800
				6.7	63.1	12.5	36 700	6.7	68.8	15.8	36 100
				7.0	61.5	12.3	33 700	7.0	67.6	15.7	33 700
				7.3	59.8	12.1	31 700	7.3	66.3	15.6	31 600
				7.6	58.1	11.9	29 800	7.6	65.1	15.4	29 800
				7.9	56.4	11.7	28 200	7.9	63.8	15.3	28 100
				8.2	54.8	11.5	26 700	8.2	62.6	15.1	26 600
				8.5	53.1	11.3	25 400	8.5	61.2	15.0	25 300
				8.8	51.5	11.0	24 100	8.8	59.9	14.8	24 100
				9.1	49.1	10.8	23 000	9.1	58.5	14.6	22 900
				9.8	45.5	10.2	21 000	9.8	56.7	14.2	21 000
				10.4	40.8	9.8	19 400	10.4	52.9	13.9	19 300
				11.0	36.0	8.7	18 000	11.0	49.3	13.2	17 900
				11.6	30.7	7.7	16 700	11.6	46.8	12.7	16 600
				12.2	24.2	6.5	15 600	12.2	43.5	12.0	15 500
								13.7	34.2	10.1	13 300
								15.2	21.5	7.1	11 600

**MANITOWOC M-65w – Liftcrane capacities boom no. 46**
**19 050 KG COUNTERWEIGHT**
**6 807 MM CRAWLERS EXTENDED**
**360° RATING**

BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RAD. METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY KILOGRAMS	BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RAD. METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY KILOGRAMS
1 8 · 3	6 0	4.0	81.4	19.8	57 500*	11.0	66.4	24.0	17 600		
		4.3	80.4	19.7	56 800	11.6	64.8	23.7	16 300		
		4.6	79.4	19.7	56 200*	12.2	63.2	23.4	15 200		
		4.9	78.4	19.6	55 300*	13.7	59.1	22.5	13 000		
		5.2	77.5	19.5	54 100*	15.2	54.8	21.5	11 200		
		5.5	76.5	19.4	49 800	16.8	50.2	20.3	9 900		
		5.8	75.5	19.4	45 400	18.3	45.3	18.9	8 700		
		6.1	74.5	19.3	41 800	19.8	40.0	17.2	7 800		
		6.4	73.5	19.2	38 700	21.3	33.9	15.1	7 100		
		6.7	72.5	19.1	36 000	22.9	26.7	12.5	6 400		
		7.0	71.5	19.0	33 600	24.4	16.8	8.5	5 800		
		7.3	70.5	18.9	31 500						
		7.6	69.5	18.8	29 700						
		7.9	68.4	18.6	28 000						
		8.2	67.4	18.5	26 500						
		8.5	66.3	18.4	25 200						
		8.8	65.3	18.2	23 900						
2 1 · 3	7 0	9.1	64.2	18.1	22 900						
		9.8	62.1	17.8	20 900						
		10.4	59.9	17.4	19 200						
		11.0	57.6	17.0	17 800						
		11.6	55.3	16.6	16 500						
		12.2	52.9	16.2	15 400						
		13.7	46.6	14.8	13 100						
		15.2	39.5	13.2	11 400						
		16.8	31.0	10.9	10 100						
		18.3	19.5	7.6	9 000						
2 4 · 4	8 0	4.3	81.8	22.8	51 100*	5.2	81.7	28.8	39 500*		
		4.6	81.0	22.8	50 400	5.5	81.0	28.8	38 800		
		4.9	80.1	22.7	49 300*	5.8	80.4	28.7	38 200*		
		5.2	79.3	22.6	48 300*	6.1	79.8	28.7	37 600*		
		5.5	78.4	22.6	47 400*	6.4	79.1	28.6	37 000*		
		5.8	77.6	22.5	45 400	6.7	78.5	28.6	35 800		
		6.1	76.8	22.4	41 800	7.0	77.8	28.5	33 400		
		6.4	75.9	22.4	38 600	7.3	77.1	28.4	31 300		
		6.7	75.1	22.3	35 900	7.6	76.5	28.3	29 500		
		7.0	74.2	22.2	33 600	7.9	75.8	28.3	27 800		
		7.3	73.4	22.1	31 500	8.2	75.2	28.2	26 300		
		7.6	72.5	22.0	29 600	8.5	74.5	28.1	24 900		
		7.9	71.6	21.9	28 000	8.8	73.9	28.0	23 700		
		8.2	70.8	21.8	26 500	9.1	73.2	27.9	22 600		
		8.5	69.9	21.7	25 100	9.8	71.8	27.7	20 600		
3 0 · 5	1 00	8.8	69.0	21.6	23 900	10.4	70.5	27.5	19 000		
		9.1	68.1	21.4	22 800	11.0	69.1	27.3	17 500		
		9.8	66.4	21.2	20 800	11.6	67.8	27.0	16 300		
		10.4	64.5	20.9	19 100	12.2	66.4	26.8	15 100		
		11.0	62.7	20.6	17 700	13.7	62.8	26.0	12 900		
		11.6	60.8	20.2	16 500	15.2	59.2	25.2	11 200		
		12.2	58.9	19.9	15 300	16.8	55.4	24.2	9 800		
		13.7	54.0	18.8	13 100	18.3	51.4	23.0	8 700		
		15.2	48.7	17.6	11 400	19.8	47.1	21.7	7 800		
		16.8	42.9	16.1	10 000	21.3	42.6	20.1	7 000		
		18.3	36.4	14.2	8 900	22.9	37.6	18.3	6 300		
		19.8	28.6	11.7	8 000	24.4	31.9	16.0	5 800		
		21.3	18.0	8.1	7 200	25.9	25.1	13.1	5 300		
		2.4	8.0	4.9	4.1	27.4	15.8	8.9	4 800		
2 4 · 4	8 0	4.9	81.4	25.8	45 100*	5.5	81.9	31.9	35 100*		
		5.2	80.6	25.7	44 400*	5.8	81.4	31.8	34 600*		
		5.5	79.9	25.7	43 600*	6.1	80.8	31.8	34 100*		
		5.8	79.2	25.6	42 900*	6.4	80.2	31.7	33 600*		
		6.1	78.5	25.6	41 700	6.7	79.6	31.7	33 100*		
		6.4	77.7	25.5	38 600	7.0	79.0	31.6	32 600*		
		6.7	77.0	25.4	35 800	7.3	78.5	31.5	31 200		
		7.0	76.2	25.4	33 500	7.6	77.9	31.5	29 400		
		7.3	75.5	25.3	31 400	7.9	77.3	31.4	27 700		
		7.6	74.8	25.2	29 500	8.2	76.7	31.3	26 200		
WELDEX	50	8.5	74.0	25.1	27 800	8.5	76.1	31.3	24 900		
		8.8	73.3	25.0	26 400	8.8	75.5	31.2	23 700		
		8.5	72.5	24.9	25 000	9.1	74.9	31.1	22 500		
		8.8	71.8	24.8	23 800	9.8	73.7	30.9	20 500		
		9.1	71.0	24.7	22 700	10.4	72.5	30.7	18 900		
		9.8	69.5	24.5	20 700	11.0	71.3	30.5	17 400		
		10.4	67.9	24.2	19 000	11.6	70.1	30.3	16 200		
		11.2	66.2	23.9	18 000	12.2	68.9	30.1	15 100		
		12.0	64.5	23.6	17 000	13.7	65.7	29.4	12 800		
		12.8	62.8	23.3	16 000	15.2	62.6	28.7	11 100		

**MANITOWOC M-65w – Liftcrane capacities boom no. 46**
**19 050 KG COUNTERWEIGHT**
**6 807 MM CRAWLERS EXTENDED**
**360° RATING**

BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RAD. METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY KILOGRAMS	BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RAD. METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY KILOGRAMS
3 3 · 5  3 1 · 0	10	6.1	81.6	34.9	31 200*	3 9 · 6  1 3 0	13	6.7	82.0	40.9	24 600*
		6.4	81.1	34.8	30 800*			7.0	81.6	40.9	24 300*
		6.7	80.6	34.8	30 400*			7.3	81.1	40.8	24 100*
		7.0	80.0	34.7	29 900*			7.6	80.7	40.8	23 800*
		7.3	79.5	34.6	29 500*			7.9	80.3	40.7	23 600*
		7.6	79.0	34.6	29 100*			8.2	79.8	40.7	23 300*
		7.9	78.5	34.5	27 600			8.5	79.4	40.6	23 000*
		8.2	77.9	34.5	26 100			8.8	78.9	40.6	22 800*
		8.5	77.4	34.4	24 800			9.1	78.5	40.5	22 300
		8.8	76.9	34.3	23 500			9.8	77.6	40.4	20 300
		9.1	76.3	34.2	22 400			10.4	76.6	40.2	18 600
		9.8	75.2	34.1	20 500			11.0	75.7	40.1	17 100
		10.4	74.2	33.9	18 800			11.6	74.8	39.9	15 900
		11.0	73.1	33.7	17 300			12.2	73.9	39.7	14 800
		11.6	72.0	33.5	16 100			13.7	71.6	39.2	12 500
		12.2	70.9	33.3	15 000			15.2	69.3	38.7	10 700
		13.7	68.1	32.7	12 700			16.8	66.9	38.1	9 400
		15.2	65.2	32.1	10 900			18.3	64.4	37.4	8 300
		16.8	62.3	31.3	9 600			19.8	62.0	36.6	7 300
		18.3	59.3	30.4	8 500			21.3	59.4	35.7	6 600
		19.8	56.2	29.5	7 500			22.9	56.8	34.8	5 900
		21.3	53.0	28.4	6 800			24.4	54.1	33.7	5 300
		22.9	49.7	27.1	6 100			25.9	51.4	32.5	4 800
		24.4	46.1	25.7	5 500			27.4	48.5	31.2	4 400
		25.9	42.4	24.1	5 000			29.0	45.4	29.8	4 000
		27.4	38.3	22.3	4 600			30.5	42.2	28.2	3 700
		29.0	33.8	20.2	4 200			32.0	38.8	26.4	3 400
		30.5	28.8	17.6	3 900			33.5	35.1	24.3	3 100
		32.0	22.7	14.4	3 600			35.1	31.0	21.9	2 800
		6.4	81.9	37.9	27 800*			36.6	26.4	19.1	2 600
		6.7	81.4	37.9	27 400*			38.1	20.8	15.6	2 400
		7.0	80.9	37.8	27 100*	4 2 · 7  1 4 0	14	7.3	81.8	43.9	21 800*
		7.3	80.4	37.7	26 800*			7.6	81.4	43.9	21 600*
		7.6	79.9	37.7	26 500*			7.9	81.0	43.8	21 400*
		7.9	79.4	37.6	26 200*			8.2	80.5	43.8	21 200*
		8.2	78.9	37.6	25 900*			8.5	80.1	43.7	21 000*
		8.5	78.5	37.5	24 700			8.8	79.7	43.7	20 700*
		8.8	78.0	37.4	23 400			9.1	79.3	43.6	20 500*
		9.1	77.5	37.4	22 400			9.8	78.5	43.5	20 000*
		9.8	76.5	37.2	20 400			10.4	77.2	43.4	18 500
		10.4	75.5	37.1	18 700			11.0	76.8	43.2	17 000
		11.0	74.5	36.9	17 200			11.6	75.9	43.1	15 700
		11.6	73.5	36.7	16 000			12.2	75.1	42.9	14 600
		12.2	72.5	36.5	14 900			13.7	73.0	42.5	12 400
		13.7	70.0	36.0	12 600			15.2	70.8	41.9	10 700
		15.2	67.4	35.4	10 800			16.8	68.6	41.4	9 200
		16.8	64.8	34.7	9 500			18.3	66.4	40.7	8 200
		18.3	62.1	33.9	8 400			19.8	64.1	40.0	7 200
		19.8	59.4	33.1	7 400			21.3	61.8	39.2	6 400
		21.3	56.6	32.1	6 700			22.9	59.5	38.4	5 800
		22.9	53.6	31.0	6 000			24.4	57.1	37.4	5 200
		24.4	50.6	29.8	5 400			25.9	54.6	36.4	4 700
		25.9	47.4	28.5	4 900			27.4	52.0	35.2	4 300
		27.4	44.0	27.0	4 500			29.0	49.4	33.9	3 900
		29.0	40.5	25.3	4 100			30.5	46.6	32.5	3 500
		30.5	36.6	23.3	3 800			32.0	43.7	31.0	3 200
		32.0	32.3	21.1	3 400			33.5	40.6	29.3	2 900
		33.5	27.5	18.4	3 200			35.1	37.3	27.4	2 700
		35.1	21.7	15.0	2 900			36.6	33.8	25.2	2 400

**MANITOWOC M-65w – Liftcrane capacities boom no. 46**
**19 050 KG COUNTERWEIGHT**
**6 807 MM CRAWLERS EXTENDED**
**360° RATING**

BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RAD. METERS	BOOM POINT ANG. DEG.	BOOM ELEV. METERS	CAPACITY KILOGRAMS	BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RAD. METERS	BOOM POINT ANG. DEG.	BOOM ELEV. METERS	CAPACITY KILOGRAMS
4 5 · 7	1 5 0	7.6	81.9	47.0	18 500*	18.3	70.8	50.6	7 800		
		7.9	81.6	46.9	18 500*	19.8	69.0	50.0	6 900		
		8.2	81.2	46.9	18 400*	21.3	67.1	49.4	6 100		
		8.5	80.8	46.8	18 400*	22.9	65.3	48.7	5 500		
		8.8	80.4	46.8	18 300*	24.4	63.4	47.9	4 900		
		9.1	80.0	46.7	18 300*	25.9	61.5	47.1	4 400		
		9.8	79.2	46.6	18 000*	27.4	59.6	46.3	3 900		
		10.4	78.5	46.5	17 600*	29.0	57.6	45.3	3 600		
		11.0	77.7	46.3	17 000	30.5	55.6	44.3	3 200		
		11.6	76.9	46.2	15 700	32.0	53.5	43.2	2 900		
		12.2	76.1	46.0	14 600	33.5	51.3	42.0	2 600		
		13.7	74.1	45.6	12 300	35.1	49.1	40.8	2 400		
		15.2	72.1	45.2	10 600	36.6	46.9	39.4	2 100		
		16.8	70.1	44.6	9 200	38.1	44.5	37.9	1 900		
		18.3	68.1	44.0	8 100	39.6	42.0	36.2	1 700		
		19.8	66.0	43.4	7 200	41.1	39.4	34.4	1 500		
		21.3	63.9	42.7	6 400	42.7	36.7	32.5	1 400		
4 8 · 8	1 6 0	22.9	61.7	41.9	5 700	9.1	81.7	56.0	11 700*		
		24.4	59.5	41.0	5 100	9.8	81.0	55.9	11 600*		
		25.9	57.3	40.0	4 600	10.4	80.4	55.8	11 500*		
		27.4	54.9	39.0	4 200	11.0	79.8	55.7	11 400*		
		29.0	52.6	37.9	3 800	11.6	79.1	55.6	11 300*		
		30.5	50.1	36.6	3 400	12.2	78.5	55.4	11 100*		
		32.0	47.6	35.3	3 200	13.7	76.8	55.1	10 700*		
		33.5	44.9	33.8	2 900	15.2	75.2	54.7	10 200		
		35.1	42.1	32.2	2 600	16.8	73.5	54.3	8 900		
		36.6	39.2	30.4	2 400	18.3	71.9	53.8	7 800		
		38.1	36.0	28.4	2 200	19.8	70.2	53.3	6 800		
		39.6	32.6	26.1	2 000	21.3	68.5	52.7	6 000		
		41.1	28.8	23.5	1 800	22.9	66.7	52.0	5 400		
		42.7	24.5	20.5	1 600	24.4	65.0	51.3	4 800		
		44.2	19.3	16.6	1 400	25.9	63.2	50.6	4 300		
5 1 · 8	1 7 0	8.2	81.7	50.0	15 800*	27.4	61.4	49.8	3 900		
		8.5	81.4	49.9	15 800*	29.0	59.6	48.9	3 500		
		8.8	81.0	49.9	15 800*	30.5	57.7	48.0	3 100		
		9.1	80.6	49.8	15 700	32.0	55.8	47.0	2 800		
		9.8	79.9	49.7	15 600*	33.5	53.9	45.9	2 500		
		10.4	79.2	49.6	15 600*	35.1	51.9	44.7	2 300		
		11.0	78.5	49.5	15 500*	36.6	49.8	43.5	2 000		
		11.6	77.7	49.3	15 300*	38.1	47.7	42.1	1 900		
		12.2	77.0	49.2	14 500	39.6	45.5	40.7	1 600		
		13.7	75.1	48.8	12 200	41.1	43.2	39.1	1 400		
		15.2	73.3	48.4	10 500	42.7	40.8	37.4	1 300		
		16.8	71.4	47.9	9 100						
		18.3	69.5	47.3	8 000						
		19.8	67.6	46.7	7 000						
		21.3	65.6	46.0	6 300						
5 7 · 9	1 9 0	22.9	63.6	45.3	5 600	9.8	81.5	59.0	10 100*		
		24.4	61.6	44.5	5 000	10.4	80.9	58.9	10 000*		
		25.9	59.5	43.6	4 500	11.0	80.3	58.8	9 800*		
		27.4	57.4	42.7	4 100	11.6	79.7	58.7	9 700*		
		29.0	55.3	41.7	3 700	12.2	79.1	58.5	9 500*		
		30.5	53.1	40.6	3 400	13.7	77.5	58.2	9 100*		
		32.0	50.8	39.3	3 000	15.2	76.0	57.9	8 700*		
		33.5	48.4	38.0	2 800	16.8	74.4	57.4	8 400*		
		35.1	46.0	36.6	2 500	18.3	72.8	57.0	7 700		
		36.6	43.4	35.0	2 300	19.8	71.3	56.5	6 700		
		38.1	40.7	33.3	2 100	21.3	69.7	55.9	5 900		
		39.6	37.9	31.5	1 900	22.9	68.0	55.3	5 300		
		41.1	34.8	29.4	1 700	24.4	66.4	54.7	4 700		
		42.7	31.5	27.0	1 500	25.9	64.7	54.0	4 200		
		44.2	27.9	24.3	1 400	27.4	63.1	53.2	3 800		
5 1 · 8	1 7 0	8.8	81.5	52.9	13 600*	29.0	61.3	52.4	3 400		
		9.1	81.2	52.9	13 600*	30.5	59.6	51.6	3 000		
		9.8	80.5	52.8	13 500*	32.0	57.8	50.6	2 700		
		10.4	79.8	52.7	13 400*	33.5	56.0	49.6	2 400		
		11.0	79.1	52.6	13 300*	35.1	54.2	48.5	2 200		
		11.6	78.5	52.4	13 200*	36.6	52.3	47.4	1 900		
4 8 · 8	1 6 0	12.2	77.8	52.3	13 100*	38.1	50.4	46.2	1 700		
		13.7	76.0	52.0	12 100	39.6	48.4	44.8	1 500		
		15.2	74.3	51.5	10 300	41.1	46.3	43.4	1 400		
		16.8	72.5	51.1	9 000						

**MANITOWOC M-65w – Liftcrane jib capacities**  
**(jib no. 130 with 3 658mm strut on boom no. 46)**

**19 050 KG COUNTERWEIGHT**

**6 807 MM CRAWLERS EXTENDED**

**360° RATING**

Chart supplements boom capacity chart no. 7534-AM. Capacities for various boom lengths, jib lengths and jib operating radii are for freely suspended loads and are calculated to comply with BS 1757-1986 clause 9, I.S.O. 4305 and BS 2573 part I – 1983 tables 5(a) and 6(a). 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 (5 093mm) and gantry up. Refer to boom rigging no. 168744, jib assembly no. 167951 and wire rope specification chart no. 7536-A. Crane operator judgement 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.

Machine may be operated in winds up to those shown in table provided crane operator judgement is used to allow for wind effect on the lifted load and

other considerations noted on the capacity chart are followed. Wind will have a considerable effect on a load with a large 'sail area' and must be compensated for accordingly by reducing load ratings, reducing operating speeds or by a combination of both. Recommend stopping operation when wind is above those shown in table and tieing off or lowering boom when wind is above 16 m/s.

Machine to travel on a firm, level and uniformly supporting surface and boom within the boom angle range shown in capacity chart.

Operating radius is the horizontal distance from the axis of rotation to the centre of vertical hoist line or load block. Boom angle is the angle between horizontal and centreline 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 centreline of jib point shaft.

Machine equipped with 6 807mm extendible crawlers, 914mm treads, 5 182mm retractable gantry, 12 part boom hoist reeving, two 32mm boom pendants, 1st counterweight = 15 875kg, and 2nd counterweight = 3 175kg.

**Maximum capacity on 19mm British Dyform 6/8 1960 N/mm<sup>2</sup> wire rope is 6 800kg.**

WIND LIMITS DURING OPERATION		
MAXIMUM WIND VELOCITY m/s	BOOM LENGTH METERS	JIB LENGTH METERS
14	21.3 - 36.6	9.1 - 18.3
10	39.6 - 48.8	9.1 - 18.3
7	51.8 - 54.9	9.1 - 15.2
7	51.8	18.3

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED			
OVER END OF BLOCKED CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS	
BOOM LGTH. m	JIB NO. 130	BOOM LGTH. m	JIB NO. 130
57.9*	--	57.9*	--
54.9*	15.2m	54.9*	--
51.8*	18.3m	51.8*	12.2m
		48.8m	18.3m

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

**9.1m (30 FT.) JIB**

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RAD. METERS	3 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. METERS
			BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS	BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS	BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS	
<b>2</b>	<b>7</b>	9.1	76.3	31.6	6 800*	79.8	31.3	6 800*	80.6	30.2	6 800*	9.1
		10.7	73.4	31.1	6 800*	76.8	30.9	6 800*	77.5	29.6	6 800*	10.7
		12.2	70.4	30.6	6 800*	73.8	30.3	6 800*	74.3	29.0	6 800*	12.2
		13.7	67.3	30.0	6 800*	70.7	29.7	6 800*	71.1	28.2	6 800*	13.7
		15.2	64.2	29.2	6 800*	67.5	29.0	6 800*	68.0	27.3	6 800*	15.2
		16.8	61.0	28.4	6 800*	64.3	28.1	6 800*	64.7	27.4	6 500*	16.8
		18.3	57.7	27.5	6 800*	60.9	27.2	6 800*	64.2	26.4	6 300*	18.3
		19.8	54.2	26.4	6 800*	57.4	26.1	6 800*	60.6	25.2	6 100*	19.8
		21.3	50.6	25.2	6 800*	53.7	24.8	6 800*	56.8	24.0	5 900*	21.3
		24.4	42.6	22.1	6 200	45.6	21.8	6 200	48.4	20.8	5 600*	24.4
<b>1</b>	<b>7</b>	27.4	33.1	18.0	5 200	35.9	17.6	5 300				27.4
		30.5	19.8	11.6	4 400							30.5
<b>3</b>	<b>8</b>	9.1	77.6	34.7	6 800*	80.7	34.5	6 800*	80.6	32.8	6 800*	9.1
		10.7	74.9	34.3	6 800*	78.0	34.1	6 800*	78.7	32.3	6 800*	10.7
		12.2	72.2	33.8	6 800*	75.3	33.6	6 800*	75.9	31.6	6 800*	12.2
		13.7	69.5	33.3	6 800*	72.5	33.0	6 800*	73.0	30.0	6 800*	13.7
		15.2	66.7	32.6	6 800*	69.7	32.4	6 800*	73.0	28.2	6 800*	15.2
		16.8	63.8	31.9	6 800*	66.8	31.6	6 800*	70.0	30.8	6 800*	16.8
		18.3	60.9	31.1	6 800*	63.9	30.8	6 800*	67.0	30.0	6 500*	18.3
		19.8	57.9	30.1	6 800*	60.8	29.8	6 800*	63.8	29.0	6 300*	19.8
		21.3	54.7	29.1	6 800*	57.6	28.7	6 800*	60.6	27.9	6 100*	21.3
		24.4	48.0	26.5	6 000	50.9	26.2	6 100	53.5	25.2	5 800*	24.4
<b>2</b>	<b>8</b>	27.4	40.5	23.3	5 100	43.2	22.9	5 100				27.4
		30.5	31.5	18.9	4 300	34.0	18.4	4 300				30.5

**MANITOWOC M-65w – Liftcrane jib capacities**
**(jib no. 130 with 3 658mm strut on boom no. 46)**
**19 050 KG COUNTERWEIGHT**
**6 807 MM CRAWLERS EXTENDED**
**360° RATING**
**9.1m (30 FT) JIB**

BOOM LGH. METERS	BOOM LGH. FEET	JIB OPER. RAD. METERS	3 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. METERS
			BOOM POINT DEG.	CAPACITY KILOGRAMS	BOOM POINT DEG.	CAPACITY KILOGRAMS	BOOM POINT DEG.	CAPACITY KILOGRAMS	BOOM POINT DEG.	CAPACITY KILOGRAMS	BOOM POINT DEG.	
<b>2 7 · 4</b>	<b>9 0 · 0</b>	9.1	78.6	37.9	6 800*	79.0	37.2	6 800*	79.7	36.0	6 800*	9.1
		10.7	76.2	37.5	6 800*	76.6	36.8	6 800*	77.1	35.5	6 800*	10.7
		12.2	73.8	37.0	6 800*	74.1	36.3	6 800*	77.1	34.9	6 800*	12.2
		13.7	71.3	36.5	6 800*	71.5	35.7	6 800*	74.5	34.2	6 800*	13.7
		15.2	68.7	35.9	6 800*	68.0	35.0	6 800*	71.9	33.4	6 800*	15.2
		16.8	66.2	35.3	6 800*	68.9	35.0	6 800*	69.2	32.6	6 800*	16.8
		18.3	63.5	34.5	6 800*	66.3	34.2	6 800*	66.4	31.6	6 800*	18.3
		19.8	60.8	33.7	6 800*	63.5	33.4	6 800*	63.5	30.0	6 800*	19.8
		21.3	58.1	32.8	6 800*	60.7	32.4	6 800*	63.5	29.3	6 800*	21.3
		24.4	52.2	30.5	5 900	54.8	30.2	6 000	57.4	28.4	6 000*	24.4
		27.4	45.9	27.8	4 900	48.4	27.4	5 000	50.7	26.4	5 100	27.4
		30.5	38.7	24.3	4 200	41.1	23.9	4 300	42.8	24.3	4 400	30.5
		33.5	30.1	19.7	3 600	32.3	19.2	3 600	33.1	18.6	3 600	33.5
<b>3 0 · 5</b>	<b>1 0 0</b>	9.1	79.5	41.0	6 800*	79.9	40.4	6 800*	80.5	39.2	6 800*	9.1
		10.7	77.3	40.6	6 800*	77.6	40.0	6 800*	78.2	38.7	6 800*	10.7
		12.2	75.0	40.2	6 800*	75.3	39.5	6 800*	75.8	38.2	6 800*	12.2
		13.7	72.7	39.8	6 800*	73.0	38.9	6 800*	76.0	37.5	6 800*	13.7
		15.2	70.4	39.2	6 800*	70.6	38.3	6 800*	73.4	37.0	6 800*	15.2
		16.8	68.1	38.6	6 800*	68.0	38.0	6 800*	70.9	36.8	6 800*	16.8
		18.3	65.7	37.9	6 800*	68.2	37.6	6 800*	68.4	36.1	6 700*	18.3
		19.8	63.3	37.2	6 800*	65.8	36.9	6 800*	65.8	35.2	6 500*	19.8
		21.3	60.8	36.3	6 800*	63.3	36.0	6 800*	60.5	33.1	6 000	21.3
		24.4	55.6	34.4	5 800	58.0	34.0	5 900	60.5	31.1	6 000	24.4
		27.4	50.0	32.0	4 800	52.4	31.6	4 900	54.7	30.7	5 000	27.4
		30.5	44.0	29.0	4 100	46.3	28.6	4 200	48.3	27.6	4 200	30.5
		33.5	37.1	25.3	3 500	39.3	24.9	3 500	41.1	23.6	3 500	33.5
		36.6	28.9	20.5	3 000	30.0	20.5	3 000	31.1	19.6	3 000	36.6
<b>3 3 · 5</b>	<b>1 1 0</b>	9.1	80.3	44.1	6 800*	80.6	43.5	6 800*	81.1	41.9	6 800*	9.1
		10.7	78.2	43.8	6 800*	78.5	43.1	6 800*	80.0	41.4	6 800*	10.7
		12.2	76.1	43.4	6 800*	76.4	42.7	6 800*	76.9	41.4	6 800*	12.2
		13.7	74.0	43.0	6 800*	74.3	42.2	6 800*	77.0	40.9	6 800*	13.7
		15.2	71.9	42.5	6 800*	70.6	41.7	6 800*	74.7	40.8	6 800*	15.2
		16.8	69.7	41.9	6 800*	72.1	41.6	6 800*	74.7	40.2	6 800*	16.8
		18.3	67.5	41.3	6 800*	69.9	41.0	6 800*	72.4	39.5	6 800*	18.3
		19.8	65.3	40.6	6 800*	67.7	40.3	6 800*	70.1	38.7	6 800*	19.8
		21.3	63.0	39.8	6 800*	65.4	39.5	6 800*	67.8	38.0	6 600*	21.3
		24.4	58.3	38.0	5 600	60.6	37.7	5 800	63.0	36.8	5 900	24.4
		27.4	53.4	35.9	4 700	55.6	35.6	4 800	57.8	34.6	4 900	27.4
		30.5	48.1	33.3	3 900	50.3	33.0	4 000	52.3	31.9	4 100	30.5
		33.5	42.3	30.2	3 400	44.4	29.8	3 400	46.2	28.7	3 500	33.5
		36.6	35.7	26.3	2 900	37.7	25.8	2 900	40.0	28.7	3 000	36.6
		39.6	27.8	21.2	2 400	—	—	—	—	—	—	39.6
<b>3 6 · 6</b>	<b>1 2 0</b>	9.1	80.9	47.2	6 800*	80.6	46.9	6 800*	81.1	45.1	6 800*	9.1
		10.7	79.0	46.9	6 800*	79.3	46.3	6 800*	79.8	44.6	6 800*	10.7
		12.2	77.0	46.5	6 800*	78.3	45.4	6 800*	77.8	44.6	6 800*	12.2
		13.7	75.1	46.1	6 800*	77.4	45.8	6 800*	79.8	45.1	6 800*	13.7
		15.2	73.1	45.7	6 800*	75.4	45.4	6 800*	77.8	44.6	6 800*	15.2
		16.8	71.1	45.2	6 800*	73.3	44.9	6 800*	75.8	44.1	6 800*	16.8
		18.3	69.1	44.6	6 800*	71.3	44.3	6 800*	73.7	43.5	6 800*	18.3
		19.8	67.0	43.9	6 800*	69.2	43.6	6 800*	71.6	42.8	6 800*	19.8
		21.3	65.0	43.2	6 800*	67.1	42.9	6 800*	69.4	42.1	6 800*	21.3
		24.4	60.7	41.6	5 500	62.8	41.3	5 700	65.0	40.4	5 800	24.4
		27.4	56.2	39.7	4 600	58.3	39.3	4 700	60.4	38.4	4 800	27.4
		30.5	51.4	37.4	3 900	53.5	37.0	3 900	55.5	36.0	4 000	30.5
		33.5	46.3	34.6	3 200	48.4	34.3	3 300	50.2	33.2	3 400	33.5
		36.6	40.8	31.3	2 700	42.7	30.9	2 800	44.6	32.1	3 000	36.6
		39.6	34.4	27.3	2 300	36.3	28.8	2 400	40.4	31.6	2 500	39.6
		42.7	26.8	21.9	1 900	—	—	—	—	—	—	42.7

**MANITOWOC M-65w – Liftcrane jib capacities  
(jib no. 130 with 3 658mm strut on boom no. 46)**

**19 050 KG COUNTERWEIGHT**

**6 807 MM CRAWLERS EXTENDED**

**360° RATING**

**9.1m (30 FT) JIB**

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RAD. METERS	3 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. METERS	
			BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS	BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS	BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS		
<b>3 9 · 6</b>	<b>1 3 0</b>	10.7	79.7	50.0	6 800*	12.2	77.9	49.7	6 800*	13.7	76.0	49.3	6 800*
		12.2	77.9	49.7	6 800*	15.2	74.2	48.9	6 800*	16.8	74.2	48.9	6 800*
		13.7	76.0	49.3	6 800*	18.3	70.4	47.8	6 800*	19.8	68.5	47.2	6 800*
		15.2	74.2	48.9	6 800*	21.3	66.6	46.6	6 700	24.4	62.7	45.1	5 400
		16.8	72.3	48.4	6 800*	24.7	58.5	43.3	4 500	27.4	54.2	41.2	3 700
		30.9	54.2	41.2	3 700	33.5	49.7	38.8	3 100	36.6	44.8	35.9	2 600
		35.5	54.2	41.2	3 700	39.6	39.4	32.4	2 200	42.7	33.3	28.2	1 900
		36.6	54.2	41.2	3 700	42.7	33.3	28.2	1 900	45.7	25.9	22.6	1 500
		39.6	54.2	41.2	3 700	45.7	25.9	22.6	1 500				
		42.7	54.2	41.2	3 700								
<b>4 2 · 7</b>	<b>1 4 0</b>	10.7	80.3	53.1	6 800*	12.2	78.6	52.8	6 800*	13.7	76.9	52.4	6 800*
		12.2	80.3	53.1	6 800*	15.2	75.1	52.0	6 800*	16.8	73.4	51.6	6 800*
		13.7	78.6	52.8	6 800*	18.3	69.9	50.5	6 800*	19.8	68.1	49.9	6 500
		15.2	76.9	52.4	6 800*	21.3	64.4	48.5	5 300	24.4	60.6	46.9	4 300
		16.8	75.1	52.0	6 800*	24.7	65.6	46.9	4 300	27.4	56.6	45.0	3 600
		30.5	56.6	45.0	3 600	33.5	52.5	42.7	3 000	36.6	48.1	40.1	2 500
		35.5	56.6	45.0	3 600	39.6	43.4	37.1	2 100	42.7	38.2	33.5	1 700
		36.6	56.6	45.0	3 600	42.7	32.3	29.0	1 400	45.7	32.3	29.0	1 400
		39.6	56.6	45.0	3 600								
		42.7	56.6	45.0	3 600								
<b>4 5 · 7</b>	<b>1 5 0</b>	10.7	80.8	56.2	6 800*	12.2	79.2	55.9	6 800*	13.7	77.6	55.6	6 800*
		12.2	79.2	55.9	6 800*	15.2	76.0	55.2	6 800*	16.8	74.3	54.8	6 800*
		13.7	77.6	55.6	6 800*	18.3	72.7	54.3	6 800*	19.8	71.0	53.8	6 800*
		15.2	76.0	55.2	6 800*	21.3	69.3	53.2	6 400	24.4	65.9	51.9	5 200
		16.8	74.3	54.8	6 800*	24.7	62.4	50.4	4 300	27.4	60.6	48.4	4 300
		30.5	58.7	48.6	3 500	33.5	54.9	46.6	2 900	36.6	46.7	41.5	2 000
		35.5	58.7	48.6	3 500	39.6	42.1	38.3	1 600	42.7	37.0	34.5	1 300
		36.6	58.7	48.6	3 500	42.7	34.5	34.5	1 300	45.7			
		39.6	58.7	48.6	3 500								
		42.7	58.7	48.6	3 500								
<b>4 8 · 8</b>	<b>1 6 0</b>	12.2	79.8	59.0	6 800*	12.2	78.3	58.7	6 800*	13.7	76.7	58.3	6 800*
		13.7	78.3	58.7	6 800*	15.2	76.7	58.3	6 800*	16.8	73.6	57.5	6 800*
		15.2	76.7	58.3	6 800*	18.3	72.0	57.0	6 800*	19.8	70.5	56.5	6 300
		16.8	75.2	57.9	6 800*	21.3	67.2	55.2	5 100	24.4	63.9	53.8	4 100
		18.3	73.6	57.5	6 800*	24.7	60.5	52.2	3 400	27.4	59.5	52.2	3 400
		33.5	57.0	50.3	2 800	36.6	53.3	48.1	2 300	39.6	49.4	45.6	1 900
		36.6	53.3	48.1	2 300	39.6	49.4	45.6	1 900	42.7	45.3	42.7	1 500
		39.6	53.3	48.1	2 300								
		42.7	53.3	48.1	2 300								

**MANITOWOC M-65w – Liftcrane jib capacities**

(jib no. 130 with 3 658mm strut on boom no. 46)

**19 050 KG COUNTERWEIGHT**
**6 807 MM CRAWLERS EXTENDED**
**360° RATING**
**9.1m (30 FT) JIB**

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RAD. METERS	3 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. METERS
			BOOM POINT DEG.	JIB ANG. DEG.	CAPACITY KILOGRAMS	BOOM POINT DEG.	JIB ANG. DEG.	CAPACITY KILOGRAMS	BOOM POINT DEG.	JIB ANG. DEG.	CAPACITY KILOGRAMS	
5 1 · 8	1 7 0	12.2	80.3	62.1	6 800*	19.8	73.0	60.2	6 800*	19.8	6 800*	12.2
		13.7	78.9	61.8	6 800*	21.3	71.5	59.7	6 200	21.3	5 900	13.7
		15.2	77.4	61.5	6 800*	24.4	68.4	58.6	79.1	15.2	70.1	15.2
		16.8	75.9	61.1	6 800*	27.4	65.3	57.2	77.6	16.8	60.8	16.8
		18.3	74.5	60.7	6 800*	30.5	62.1	55.7	76.1	18.3	67.0	18.3
		19.8	73.0	60.2	6 800*	33.5	58.8	53.9	74.7	19.8	59.9	19.8
		21.3	71.5	59.7	6 200	36.6	55.4	51.9	73.1	21.3	59.4	21.3
		24.4	68.4	58.6	4 900	39.6	49.6	47.0	58.2	24.4	50.0	24.4
		27.4	65.3	57.2	4 000	42.7	48.1	47.0	60.2	27.4	68.7	27.4
		30.5	62.1	55.7	3 300	42.7	53.9	50.0	63.8	30.5	55.3	30.5
		33.5	58.8	53.9	2 600	42.7	49.6	47.0	60.4	33.5	53.6	33.5
		36.6	55.4	51.9	2 100	42.7	49.6	47.0	57.0	36.6	51.5	36.6
		39.6	51.9	49.6	1 700	42.7	49.6	47.0	53.4	39.6	49.2	39.6
		42.7	48.1	47.0	1 400	42.7	49.6	47.0	57.0	42.7	51.0	42.7
5 4 · 9	1 8 0	12.2	80.8	65.2	6 800*	19.8	73.8	63.4	6 200	19.8	6 200	12.2
		13.7	79.4	64.9	6 800*	21.3	72.4	62.9	6 100*	21.3	74.0	13.7
		15.2	78.0	64.6	6 800*	24.4	69.5	61.8	79.6	15.2	71.1	15.2
		16.8	76.6	64.2	6 300	27.4	66.6	60.6	78.2	16.8	63.9	16.8
		18.3	75.2	63.8	6 200*	30.5	63.6	59.1	76.8	18.3	63.5	18.3
		19.8	73.8	63.4	6 100*	33.5	60.5	57.4	75.4	19.8	63.1	19.8
		21.3	72.4	62.9	6 100*	36.6	57.3	55.6	74.0	21.3	62.6	21.3
		24.4	69.5	61.8	4 800	39.6	54.0	52.4	71.1	24.4	61.5	24.4
		27.4	66.6	60.6	3 900	42.7	51.0	49.6	68.1	27.4	60.2	27.4
		30.5	63.6	59.1	3 200	42.7	58.8	56.1	65.1	30.5	66.7	30.5
		33.5	60.5	57.4	2 500	42.7	55.2	52.0	62.0	33.5	56.2	33.5
		36.6	57.3	55.6	2 000	42.7	52.0	50.0	58.8	36.6	54.2	36.6
		39.6	54.0	53.4	1 600	42.7	50.6	48.0	55.3	39.6	52.1	39.6

**MANITOWOC M-65w – Liftcrane jib capacities**
**(jib no. 130 with 3 658mm strut on boom no. 46)**
**19 050 KG COUNTERWEIGHT**
**6 807 MM CRAWLERS EXTENDED**
**360° RATING**
**12.2m (40 FT) JIB**

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RAD. DEG.	3 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. DEG.
			BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS	BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS	BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS	
<b>2 1 · 3</b>	<b>7 0</b>	9.1	78.2	34.7	6 800*	79.7	34.0	6 800*	78.8	32.0	6 300*	9.1
		10.7	75.6	34.3	6 800*	77.0	33.5	6 800*	75.8	31.4	6 000*	10.7
		12.2	72.9	33.8	6 800*	74.2	32.9	6 800*	73.2	30.8	5 500*	12.2
		13.7	70.1	33.3	6 800*	71.4	32.3	6 800*	72.9	29.2	5 300*	13.7
		15.2	67.3	32.6	6 800*	70.4	28.7	6 800*	69.8	27.6	5 100*	15.2
		16.8	64.5	31.9	6 800*	68.5	31.5	6 800*	72.9	30.6	5 700*	16.8
		18.3	61.5	31.0	6 800*	65.5	30.7	6 800*	69.8	29.7	5 500*	18.3
		19.8	58.5	30.1	6 800*	62.4	29.7	6 800*	66.6	28.7	5 300*	19.8
		21.3	55.4	29.0	6 800*	59.3	28.7	6 800*	63.3	27.6	5 100*	21.3
		24.4	48.7	26.5	6 200	52.5	26.1	6 300	56.2	24.9	4 800*	24.4
<b>2 4 · 4</b>	<b>8 0</b>	9.1	79.2	37.8	6 800*	80.6	37.1	6 800*	79.8	35.2	6 100*	9.1
		10.7	76.8	37.5	6 800*	78.1	36.7	6 800*	77.2	34.6	6 000*	10.7
		12.2	74.3	37.0	6 800*	75.6	36.2	6 800*	74.5	33.9	5 800*	12.2
		13.7	71.8	36.5	6 800*	73.0	35.6	6 800*	71.7	33.2	5 700*	13.7
		15.2	69.3	35.9	6 800*	70.4	34.9	6 800*	69.0	32.3	5 400*	15.2
		16.8	66.7	35.3	6 800*	67.8	34.2	6 800*	68.9	31.3	5 300*	16.8
		18.3	64.1	34.5	6 800*	65.0	33.3	6 800*	66.0	31.3	5 200*	18.3
		19.8	61.4	33.7	6 800*	62.2	32.4	6 800*	62.7	29.9	4 900*	19.8
		21.3	58.6	32.7	6 800*	59.3	30.1	6 200	59.9	29.0	4 900*	21.3
		24.4	52.8	30.5	6 100	56.3	30.1	6 200	59.9	29.0	4 900*	24.4
<b>2 7 · 4</b>	<b>9 0</b>	9.1	80.0	41.0	6 800*							9.1
		10.7	77.8	40.6	6 800*							10.7
		12.2	75.6	40.2	6 800*	79.0	39.9	6 800*	80.6	38.4	6 300*	12.2
		13.7	73.3	39.7	6 800*	76.7	39.4	6 800*	78.2	37.9	6 200*	13.7
		15.2	71.0	39.2	6 800*	74.4	38.8	6 800*	76.8	37.3	6 000*	15.2
		16.8	68.6	38.6	6 800*	72.0	38.2	6 800*	73.3	36.5	5 800*	16.8
		18.3	66.2	37.9	6 800*	69.5	37.5	6 800*	70.8	35.8	5 600*	18.3
		19.8	63.8	37.2	6 800*	67.2	36.8	6 800*	68.2	34.9	5 400*	19.8
		21.3	61.3	36.3	6 800*	64.6	35.9	6 800*	62.7	32.8	5 100*	21.3
		24.4	56.1	34.4	6 000	59.4	33.9	6 100	62.7	32.8	5 100*	24.4
<b>3 0 · 5</b>	<b>1 0</b>	9.1	80.8	44.1	6 800*							9.1
		10.7	78.7	43.7	6 800*							10.7
		12.2	76.6	43.4	6 800*	79.9	43.0	6 800*				12.2
		13.7	74.5	42.9	6 800*	77.7	42.6	6 800*				13.7
		15.2	72.4	42.4	6 800*	75.6	42.1	6 800*	79.1	41.1	6 400*	15.2
		16.8	70.2	41.9	6 800*	73.4	41.5	6 800*	76.9	40.5	6 100*	16.8
		18.3	68.0	41.3	6 800*	71.2	40.9	6 800*	74.6	39.9	5 900*	18.3
		19.8	65.8	40.6	6 800*	68.9	40.2	6 800*	72.3	39.1	5 700*	19.8
		21.3	63.5	39.8	6 800*	66.6	39.4	6 800*	70.0	38.4	5 500*	21.3
		24.4	58.8	38.0	5 800	61.9	37.6	6 000	65.1	36.5	5 200*	24.4
		27.4	53.9	35.9	4 900	56.9	35.5	5 000	59.9	34.3	5 000*	27.4
		30.5	48.6	33.3	4 100	51.5	32.8	4 300	54.3	31.6	4 300	30.5
		33.5	42.7	30.2	3 500	45.6	29.7	3 600	48.1	28.2	3 700	33.5
		36.6	36.2	26.3	3 000	38.9	25.7	3 100				36.6
		39.6	28.2	21.2	2 600							39.6

**MANITOWOC M-65w – Liftcrane jib capacities**

(jib no. 130 with 3 658mm strut on boom no. 46)

19 050 KG COUNTERWEIGHT

6 807 MM CRAWLERS EXTENDED

360° RATING

**12.2m (40 FT) JIB**

BOOM LGH. METERS	BOOM LGH. FEET	JIB OPER. RAD. METERS	3 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. METERS
			BOOM POINT DEG.	JIB ANG. DEG.	CAPACITY KILOGRAMS	BOOM POINT DEG.	JIB ANG. DEG.	CAPACITY KILOGRAMS	BOOM POINT DEG.	JIB ANG. DEG.	CAPACITY KILOGRAMS	
3	3	1 1 5 0	10.7	79.4	46.9	6 800*	72.5	44.2	6 800*	75.8	43.2	10.7
			12.2	77.5	46.5	6 800*	70.4	43.5	6 800*	73.6	42.5	12.2
			13.7	75.5	46.1	6 800*	68.3	42.8	6 800*	71.5	41.8	13.7
			15.2	73.6	45.7	6 800*	76.6	45.3	6 800*	67.0	40.1	15.2
			16.8	71.6	45.1	6 800*	74.6	44.8	6 800*	62.3	38.1	16.8
			18.3	69.5	44.6	6 800*	72.5	44.2	6 800*	75.8	43.2	18.3
			19.8	67.5	43.9	6 800*	70.4	43.5	6 800*	73.6	42.5	19.8
			21.3	65.4	43.2	6 800*	68.3	42.8	6 800*	71.5	41.8	21.3
			24.4	61.1	41.6	5 700	64.0	41.2	5 900	67.0	40.1	24.4
			27.4	56.6	39.7	4 800	59.5	39.2	4 900	62.3	38.1	27.4
3	6	1 2 0 0	30.5	51.9	37.4	4 000	54.7	36.9	4 100	57.4	36.6	30.5
			33.5	46.8	34.6	3 400	49.5	34.1	3 500	52.0	32.8	33.5
			36.6	41.2	31.3	2 900	43.8	30.8	3 000			36.6
			39.6	34.9	27.2	2 500	37.3	26.6	2 500			39.6
			42.7	27.2	21.9	2 100						42.7
			10.7	80.1	50.0	6 800*	79.3	48.9	6 800*	80.6	47.4	10.7
			12.2	78.3	49.6	6 800*	77.4	48.5	6 800*	78.7	47.0	12.2
			13.7	76.5	49.3	6 800*	75.6	48.0	6 800*			13.7
			15.2	74.6	48.8	6 800*						15.2
			16.8	72.8	48.4	6 800*						16.8
3	9	1 3 0	18.3	70.9	47.8	6 800*	73.7	47.4	6 800*	76.7	46.4	18.3
			19.8	69.0	47.2	6 800*	71.7	46.8	6 800*	74.8	45.8	19.8
			21.3	67.0	46.6	6 800*	69.8	46.2	6 800*	72.8	45.1	21.3
			24.4	63.1	45.1	5 600	65.8	44.7	5 800	68.7	43.6	24.4
			27.4	59.0	43.3	4 700	61.7	42.9	4 800	64.4	41.7	27.4
			30.5	54.7	41.2	3 900	57.3	40.8	4 000	59.9	39.5	30.5
			33.5	50.1	38.8	3 300	52.7	38.3	3 400	55.1	37.0	33.5
			36.6	45.2	35.9	2 800	47.7	35.3	2 900	50.0	33.9	36.6
			39.6	39.8	32.4	2 400	42.2	31.8	2 400			39.6
			42.7	33.7	28.1	2 000	36.0	27.5	2 100			42.7
			45.7	26.3	22.6	1 700						45.7
4	2	1 4 0	10.7	80.7	53.1	6 800*	79.9	52.0	6 800*	79.4	50.1	10.7
			12.2	79.0	52.8	6 800*	78.2	51.6	6 800*			12.2
			13.7	77.3	52.4	6 800*	76.4	51.2	6 800*			13.7
			15.2	75.5	52.0	6 800*						15.2
			16.8	73.8	51.6	6 800*						16.8
			18.3	72.0	51.1	6 800*	74.7	50.7	6 800*	77.6	49.6	18.3
			19.8	70.3	50.5	6 800*	72.9	50.1	6 800*	75.7	49.1	19.8
			21.3	68.5	49.9	6 800*	71.1	49.5	6 800*	73.9	48.4	21.3
			24.4	64.8	48.5	5 500	67.4	48.1	5 700	70.1	47.0	24.4
			27.4	61.0	46.9	4 500	63.5	46.4	4 700	66.1	45.3	27.4
			30.5	57.0	45.0	3 800	59.5	44.5	3 900	62.0	43.3	30.5
			33.5	52.9	42.7	3 200	55.3	42.3	3 300	57.7	41.0	33.5
			36.6	48.5	40.1	2 700	50.9	39.6	2 800	53.1	38.3	36.6
			39.6	43.8	37.1	2 300	46.1	36.5	2 400	48.1	35.0	39.6
			42.7	38.6	33.5	1 900	40.8	32.8	2 000			42.7
			45.7	32.6	29.0	1 600	34.7	28.3	1 600			45.7
			48.8	25.5	23.3	1 300						48.8
4	2	1 4 0	12.2	79.6	55.9	6 800*	80.5	55.2	6 800*	80.0	53.3	12.2
			13.7	78.0	55.6	6 800*	78.9	54.8	6 800*			13.7
			15.2	76.4	55.2	6 800*	77.2	54.4	6 800*	80.0	52.8	15.2
			16.8	74.7	54.8	6 800*	75.6	53.9	6 800*	78.3	52.8	16.8
			18.3	73.1	54.3	6 800*						18.3
			19.8	71.4	53.8	6 800*	73.9	53.4	6 800*	76.6	52.3	19.8
			21.3	69.7	53.2	6 600	72.9	52.8	6 800*	74.8	51.7	21.3
			24.4	66.3	51.9	5 300	68.7	51.5	5 600	71.3	50.4	24.4
			27.4	62.7	50.4	4 400	65.2	49.9	4 600	67.7	48.8	27.4
			30.5	59.1	48.6	3 700	61.5	48.1	3 800	63.9	47.0	30.5
			33.5	55.3	46.5	3 000	57.6	46.1	3 200	59.9	44.8	33.5
			36.6	51.3	44.2	2 500	53.6	43.7	2 700	55.7	42.4	36.6
			39.6	47.0	41.4	2 100	49.3	40.9	2 200	51.3	39.5	39.6
			42.7	42.4	38.2	1 800	44.6	37.7	1 900			42.7
			45.7	37.4	34.5	1 400	39.5	33.8	1 500			45.7

**MANITOWOC M-65w – Liftcrane jib capacities**  
**(jib no. 130 with 3 658mm strut on boom no. 46)**

**19 050 KG COUNTERWEIGHT**

**6 807 MM CRAWLERS EXTENDED**

**360° RATING**

**12.2m (40 FT) JIB**

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RAD. METERS	3 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. METERS	
			BOOM POINT DEG.	JIB ANG. DEG.	CAPACITY KILOGRAMS	BOOM POINT DEG.	JIB ANG. DEG.	CAPACITY KILOGRAMS	BOOM POINT DEG.	JIB ANG. DEG.	CAPACITY KILOGRAMS		
<b>4 5 · 7</b>	<b>1 5 0</b>	12.2	80.2	59.0	6 800*	13.7	78.6	58.7	6 800*	15.2	77.1	58.3	6 800*
		15.2	77.1	58.3	6 800*	16.8	75.5	57.9	6 800*	18.3	74.0	57.5	6 800*
		18.8	72.4	57.0	6 800*	21.3	70.8	56.4	6 500	24.4	67.6	55.2	5 300
		21.3	70.8	56.4	6 500	27.4	64.3	53.8	4 300	30.5	60.9	52.2	3 600
		24.4	67.6	55.2	5 300	33.5	57.4	50.3	2 900	36.6	49.8	45.6	2 000
		27.4	64.3	53.8	4 300	39.6	49.8	45.6	1 700	42.7	45.7	42.7	1 700
		30.5	60.9	52.2	3 600	42.7	41.2	39.4	1 400	45.7	41.2	39.4	1 400
		33.5	57.4	50.3	2 900	36.6	57.4	50.3	1 400	39.6	57.4	50.3	1 400
		36.6	53.7	48.1	2 400	39.6	49.8	45.6	1 400	42.7	41.2	39.4	1 400
		39.6	49.8	45.6	2 000	42.7	42.7	42.7	1 700	45.7	41.2	39.4	1 400
		42.7	42.7	42.7	1 700	45.7	41.2	39.4	1 400	45.7	41.2	39.4	1 400
		45.7	41.2	39.4	1 400	45.7	41.2	39.4	1 400	45.7	41.2	39.4	1 400
<b>4 8 · 8</b>	<b>1 6 0</b>	12.2	80.7	62.1	6 800*	13.7	79.2	61.8	6 800*	15.2	77.7	61.5	6 800*
		15.2	77.7	61.5	6 800*	18.3	74.8	60.7	6 800*	21.3	71.8	59.7	6 400
		18.8	76.3	61.1	6 800*	24.4	68.8	58.5	5 200	27.4	65.7	57.2	4 200
		21.3	74.8	60.7	6 800*	30.5	62.5	55.6	3 400	33.5	59.2	53.9	2 900
		24.4	73.3	60.2	6 800*	36.6	55.8	51.9	2 400	39.6	52.2	49.6	1 600
		27.4	71.8	59.7	6 400	42.7	48.4	46.9	1 600	45.7	48.4	46.9	1 600
		30.5	70.3	57.7	6 400	45.7	48.4	46.9	1 600	45.7	48.4	46.9	1 600
		33.5	67.8	55.6	5 200	33.5	59.2	53.9	2 900	36.6	52.2	49.6	1 600
		36.6	65.8	51.9	2 400	39.6	52.2	49.6	1 600	42.7	48.4	46.9	1 600
		39.6	63.8	49.6	1 900	42.7	46.9	46.9	1 600	45.7	48.4	46.9	1 600
		42.7	61.8	46.9	1 600	45.7	48.4	46.9	1 600	45.7	48.4	46.9	1 600
		45.7	59.8	53.9	2 900	45.7	48.4	46.9	1 600	45.7	48.4	46.9	1 600
<b>5 1 · 8</b>	<b>1 7 0</b>	13.7	79.7	64.9	6 400*	15.2	78.3	64.6	6 300*	16.8	76.9	64.2	6 300*
		15.2	76.9	64.2	6 300*	18.3	75.5	63.8	6 200*	19.8	74.1	63.4	6 200*
		18.8	74.1	63.4	6 200*	21.3	72.7	62.9	6 100*	24.4	69.8	61.8	5 000*
		21.3	71.8	62.9	6 100*	27.4	66.9	60.5	5 000	30.5	63.9	59.1	3 300
		24.4	69.8	61.8	5 000	33.5	60.8	57.4	2 700	36.6	59.1	55.6	2 700
		27.4	66.9	60.5	4 100	36.6	57.6	55.6	3 300	39.6	54.3	50.5	2 000
		30.5	63.9	59.1	3 300	39.6	54.3	50.5	1 800	42.7	50.5	46.4	1 700
		33.5	60.8	57.4	2 700	42.7	50.8	50.5	1 400	45.7	48.4	46.9	1 400
		36.6	57.6	55.5	2 200	45.7	50.8	50.5	1 400	45.7	48.4	46.9	1 400
		39.6	54.3	53.4	1 800	42.7	50.8	50.5	1 400	45.7	48.4	46.9	1 400
		42.7	51.0	51.0	1 400	45.7	48.4	46.9	1 400	45.7	48.4	46.9	1 400
		45.7	48.4	46.9	1 400	45.7	48.4	46.9	1 400	45.7	48.4	46.9	1 400
<b>5 4 · 9</b>	<b>1 8 0</b>	13.7	80.2	68.0	5 700*	15.2	78.9	67.7	5 600*	16.8	77.5	67.4	5 600*
		15.2	77.5	67.4	5 600*	18.3	76.2	67.0	5 500	19.8	74.9	66.6	5 400*
		18.8	74.9	66.6	5 400*	21.3	73.5	66.1	5 300*	24.4	68.0	63.9	4 000
		21.3	70.8	65.1	4 900	27.4	65.2	62.5	3 200	30.5	62.2	60.9	2 600
		24.4	67.8	65.1	4 900	33.5	62.2	60.9	2 600	36.6	59.3	57.4	2 000
		27.4	64.0	63.9	4 000	36.6	59.3	57.4	1 800	42.7	56.7	54.8	1 700
		30.5	61.2	62.5	3 200	39.6	56.2	54.8	1 400	45.7	54.8	52.9	1 400
		33.5	58.9	59.2	2 100	42.7	51.0	51.0	1 400	45.7	54.8	52.9	1 400
		36.6	55.6	57.2	1 700	45.7	51.0	51.0	1 400	45.7	54.8	52.9	1 400
		39.6	52.2	57.2	1 700	42.7	51.0	51.0	1 400	45.7	54.8	52.9	1 400
		42.7	52.9	54.9	1 300	45.7	51.0	51.0	1 400	45.7	54.8	52.9	1 400

**MANITOWOC M-65w – Liftcrane jib capacities**
**(jib no. 130 with 3 658mm strut on boom no. 46)**
**19 050 KG COUNTERWEIGHT**
**6 807 MM CRAWLERS EXTENDED**
**360° RATING**
**15.2m (50 FT) JIB**

BOOM LGH. METERS	BOOM LGH. FEET	JIB OPER. RAD. METERS	3 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. METERS
			BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS	BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS	BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS	
<b>2 1 · 3</b>	<b>7 0</b>	9.1	79.4	37.8	6 800*							9.1
		10.7	77.0	37.5	6 800*							10.7
		12.2	74.5	37.0	6 800*	79.3	36.7	6 800*				12.2
		13.7	72.0	36.5	6 800*	76.8	36.2	6 800*				13.7
		15.2	69.5	35.9	6 800*	74.2	35.6	6 800*	79.5	34.6	5 500*	15.2
		16.8	66.9	35.3	6 800*	71.6	34.9	6 800*	76.9	33.9	5 300*	16.8
		18.3	64.3	34.5	6 800*	68.9	34.1	6 800*	74.1	33.1	5 000*	18.3
		19.8	61.6	33.7	6 800*	66.2	33.3	6 800*	71.3	32.2	4 800*	19.8
		21.3	58.8	32.7	6 800*	63.4	32.3	6 800*	68.4	31.2	4 600*	21.3
		24.4	53.0	30.5	6 300	57.5	30.1	5 800*	62.2	28.9	4 300*	24.4
		27.4	46.6	27.8	5 300	51.0	27.3	5 200*	55.4	25.9	3 900*	27.4
		30.5	39.5	24.3	4 500	43.7	23.8	4 600	47.6	22.2	3 700*	30.5
		33.5	30.9	19.7	3 900	34.8	19.0	4 000				33.5
<b>2 4 · 4</b>	<b>8 0</b>	9.1	80.2	41.0	6 800*							9.1
		10.7	78.0	40.6	6 800*							10.7
		12.2	75.7	40.2	6 800*	80.1	39.8	6 800*				12.2
		13.7	73.5	39.7	6 800*	77.8	39.4	6 800*				13.7
		15.2	71.1	39.2	6 800*	75.5	38.8	6 800*	80.4	37.8	4 900*	15.2
		16.8	68.8	38.6	6 800*	73.1	38.2	6 800*	78.0	37.1	4 800*	16.8
		18.3	66.4	37.9	6 800*	70.7	37.5	6 800*	75.5	36.4	4 700*	18.3
		19.8	64.0	37.2	6 800*	68.2	36.8	6 800*	72.9	35.6	4 600*	19.8
		21.3	61.5	36.3	6 800*	65.7	35.9	6 800*	70.3	34.8	4 500*	21.3
		24.4	56.3	34.4	6 100	60.5	33.9	6 200*	64.9	32.7	4 300*	24.4
		27.4	50.7	32.0	5 200	54.8	31.5	5 300	59.0	30.2	4 100*	27.4
		30.5	44.7	29.0	4 400	48.7	28.5	4 500	52.5	27.0	3 900*	30.5
		33.5	37.8	25.3	3 800	41.6	24.7	3 900				33.5
		36.6	29.6	20.5	3 300	33.1	19.7	3 400				36.6
<b>2 7 · 4</b>	<b>9 0</b>	9.1	80.9	44.1	6 800*							9.1
		10.7	78.9	43.7	6 800*							10.7
		12.2	76.8	43.4	6 800*	80.9	43.0	6 800*				12.2
		13.7	74.7	42.9	6 800*	78.7	42.6	6 800*				13.7
		15.2	72.5	42.4	6 800*	76.5	42.1	6 800*				15.2
		16.8	70.4	41.9	6 800*	74.4	41.5	6 800*	78.9	40.4	5 000*	16.8
		18.3	68.2	41.3	6 800*	72.2	40.9	6 800*	76.6	39.7	4 900*	18.3
		19.8	66.0	40.6	6 800*	69.9	40.2	6 800*	74.3	39.0	4 800*	19.8
		21.3	63.7	39.8	6 800*	67.6	39.4	6 800*	72.0	38.2	4 700*	21.3
		24.4	59.0	38.0	6 000	62.9	37.6	6 200	67.1	36.4	4 600*	24.4
		27.4	54.0	35.9	5 000	57.9	35.4	5 200	61.8	34.1	4 300*	27.4
		30.5	48.7	33.3	4 300	52.5	32.8	4 400	56.2	31.4	4 000*	30.5
		33.5	42.9	30.2	3 700	46.6	29.6	3 800	50.0	28.0	3 800*	33.5
		36.6	36.3	26.3	3 200	39.8	25.6	3 300				36.6
		39.6	28.4	21.2	2 800	31.6	20.4	2 800				39.6
<b>3 0 · 5</b>	<b>1 0 0</b>	10.7	79.6	46.9	6 800*							10.7
		12.2	77.7	46.5	6 800*							12.2
		13.7	75.7	46.1	6 800*	79.5	45.7	6 800*				13.7
		15.2	73.7	45.7	6 800*	77.5	45.3	6 800*				15.2
		16.8	71.7	45.1	6 800*	75.5	44.7	6 800*	79.7	43.6	5 300*	16.8
		18.3	69.7	44.6	6 800*	73.5	44.1	6 800*	77.6	43.0	5 200*	18.3
		19.8	67.7	43.9	6 800*	71.4	43.5	6 800*	75.5	42.3	5 100*	19.8
		21.3	65.6	43.2	6 800*	69.3	42.8	6 800*	73.3	41.6	5 000*	21.3
		24.4	61.3	41.6	5 900	64.9	41.2	6 100	68.9	39.9	4 700*	24.4
		27.4	56.8	39.7	4 900	60.4	39.2	5 100	64.2	37.9	4 400*	27.4
		30.5	52.0	37.4	4 200	55.6	36.9	4 300	59.2	35.5	4 100*	30.5
		33.5	47.0	34.6	3 600	50.4	34.1	3 700	53.8	32.6	3 800	33.5
		36.6	41.4	31.3	3 100	44.7	30.7	3 200	47.8	29.0	3 300	36.6
		39.6	35.0	27.2	2 700	38.2	26.5	2 700				39.6
		42.7	27.4	21.9	2 300							42.7

**MANITOWOC M-65w – Liftcrane jib capacities**  
**(jib no. 130 with 3 658mm strut on boom no. 46)**

**19 050 KG COUNTERWEIGHT**

**6 807 MM CRAWLERS EXTENDED**

**360° RATING**

**15.2m (50 FT) JIB**

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RAD. METERS	3 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. METERS										
			BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS	BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS	BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS											
<b>3 3 · 5</b>	<b>3 3 · 10</b>	10.7	80.3	50.0	6 800*	12.2	78.4	49.7	6 800*	13.7	76.6	49.3	6 800*	15.2	74.8	48.8	6 800*	16.8	72.9	48.4	6 800*	10.7
		12.2	80.3	50.0	6 800*	12.2	78.4	49.7	6 800*	13.7	76.6	49.3	6 800*	15.2	74.8	48.8	6 800*	16.8	72.9	48.4	6 800*	12.2
		13.7	76.6	49.3	6 800*	13.7	76.6	49.3	6 800*	15.2	74.8	48.8	6 800*	16.8	72.9	48.4	6 800*	16.8	72.9	48.4	6 800*	13.7
		15.2	74.8	48.8	6 800*	15.2	74.8	48.8	6 800*	16.8	72.9	48.4	6 800*	18.3	71.0	47.8	6 800*	19.8	69.1	47.2	6 800*	19.8
		16.8	72.9	48.4	6 800*	16.8	72.9	48.4	6 800*	18.3	71.0	47.8	6 800*	21.3	67.2	46.6	6 800*	21.3	65.3	46.1	5 800*	21.3
		18.3	71.0	47.8	6 800*	18.3	71.0	47.8	6 800*	21.3	69.1	47.2	6 800*	24.4	64.1	45.1	5 800*	24.4	62.2	43.3	4 800*	24.4
		19.8	69.1	47.2	6 800*	19.8	69.1	47.2	6 800*	21.3	67.2	46.6	6 800*	27.4	62.2	43.3	4 800*	27.4	59.1	41.1	4 800*	27.4
		21.3	67.2	46.6	6 800*	21.3	67.2	46.6	6 800*	24.4	64.1	45.1	5 800*	30.5	59.1	41.1	4 800*	30.5	56.2	38.8	3 400	30.5
		24.4	63.2	45.1	6 800*	24.4	63.2	45.1	6 800*	27.4	66.7	44.6	6 000	33.5	66.7	44.6	6 000	33.5	63.2	40.0	2 500	33.5
		27.4	59.1	43.3	4 800*	27.4	59.1	43.3	4 800*	30.5	62.5	42.8	5 000	36.6	62.5	42.8	5 000	36.6	59.1	33.9	2 200	36.6
		30.5	54.8	41.2	4 000	30.5	54.8	41.2	4 000	33.5	58.2	40.7	4 200	42.7	51.6	39.3	4 300	42.7	56.8	38.8	3 400	42.7
		33.5	50.3	38.8	3 400	33.5	50.3	38.8	3 400	36.6	53.5	38.2	3 600	45.5	51.6	39.3	3 700	45.5	53.5	38.8	3 400	45.5
		36.6	45.4	35.9	2 900	36.6	45.4	35.9	2 900	39.6	48.6	35.3	3 000	44.9	51.0	40.8	3 100	44.9	49.9	36.6	2 600	39.6
		39.6	40.0	32.4	2 500	39.6	40.0	32.4	2 500	42.7	43.1	31.8	2 600	43.4	49.0	40.4	2 700	43.4	44.9	36.6	2 600	42.7
		42.7	33.9	28.1	2 200	42.7	33.9	28.1	2 200	45.7	36.8	27.4	2 200	44.8	50.0	45.7	2 300	44.8	41.5	4 500*	45.7	
		45.7	26.5	22.6	1 900	45.7	26.5	22.6	1 900	48.8	34.7	22.6	1 900	45.5	54.0	45.7	1 900	45.5	41.5	4 500*	45.7	
<b>3 6 · 6</b>	<b>3 6 · 120</b>	10.7	80.8	53.1	6 800*	10.7	80.8	53.1	6 800*	12.2	79.1	52.8	6 800*	13.7	77.4	52.4	6 800*	15.2	75.7	52.0	6 800*	16.8
		12.2	79.1	52.8	6 800*	12.2	79.1	52.8	6 800*	13.7	77.4	52.4	6 800*	15.2	75.7	52.0	6 800*	16.8	73.9	51.6	6 800*	16.8
		13.7	77.4	52.4	6 800*	13.7	77.4	52.4	6 800*	15.2	75.9	51.6	6 800*	16.8	73.9	51.6	6 800*	16.8	72.2	45.0	3 900	16.8
		15.2	75.7	52.0	6 800*	15.2	75.7	52.0	6 800*	16.8	73.9	51.6	6 800*	18.3	72.2	45.0	3 900	18.3	70.4	45.5	3 400	18.3
		16.8	73.9	51.6	6 800*	16.8	73.9	51.6	6 800*	18.3	72.2	45.0	3 900	21.3	68.6	49.9	6 000	21.3	66.1	48.5	4 700	21.3
		18.3	72.2	51.1	6 800*	18.3	72.2	51.1	6 800*	21.3	70.4	45.5	4 100	24.4	64.9	48.5	5 700	24.4	62.2	46.9	4 700	24.4
		19.8	70.4	50.5	6 800*	19.8	70.4	50.5	6 800*	21.3	68.6	49.9	6 000	24.4	64.9	48.5	5 700	24.4	62.2	46.9	4 700	24.4
		21.3	68.6	49.9	6 800*	21.3	68.6	49.9	6 800*	24.4	64.9	48.5	6 000	27.4	61.1	46.9	4 700	27.4	59.2	41.6	3 900	27.4
		24.4	64.9	48.5	5 700	24.4	64.9	48.5	5 700	27.4	66.8	48.2	4 800	30.5	61.1	46.9	4 700	30.5	57.2	45.0	3 900	30.5
		27.4	61.1	46.9	4 700	27.4	61.1	46.9	4 700	30.5	64.3	46.4	4 000	33.5	59.2	41.6	4 700	33.5	57.2	45.0	3 900	33.5
		30.5	57.2	45.0	3 900	30.5	57.2	45.0	3 900	33.5	60.3	44.5	4 100	36.6	56.2	42.2	3 500	36.6	59.3	40.8	3 600	36.6
		33.5	53.0	42.7	3 400	33.5	53.0	42.7	3 400	36.6	56.2	42.2	3 600	40.8	51.6	38.8	3 100	40.8	59.3	40.8	3 600	36.6
		36.6	48.6	40.1	2 800	36.6	48.6	40.1	2 800	39.6	51.7	39.6	2 900	43.4	54.6	38.0	2 100	43.4	56.2	38.0	2 600	39.6
		39.6	43.9	37.1	2 400	39.6	43.9	37.1	2 400	42.7	46.9	36.5	2 500	49.6	54.6	38.0	2 100	49.6	51.7	38.0	2 600	39.6
		42.7	38.7	33.5	2 000	42.7	38.7	33.5	2 000	45.7	41.6	32.8	2 100	49.6	54.6	42.7	2 100	49.6	51.7	38.8	2 600	42.7
		45.7	32.8	29.0	1 800	45.7	32.8	29.0	1 800	48.8	35.5	28.2	1 800	45.5	54.0	45.7	1 800	45.5	41.5	4 500*	45.7	
		48.8	25.6	23.3	1 500	48.8	25.6	23.3	1 500	48.8	34.7	22.6	1 500	48.8	54.0	45.7	1 500	48.8	41.5	4 500*	48.8	
<b>3 9 · 6</b>	<b>3 9 · 130</b>	12.2	79.7	55.9	6 800*	12.2	79.7	55.9	6 800*	13.7	78.1	55.6	6 800*	15.2	76.5	55.2	6 800*	16.8	74.9	54.8	6 800*	16.8
		13.7	78.1	55.6	6 800*	13.7	78.1	55.6	6 800*	15.2	76.5	55.2	6 800*	16.8	73.2	54.3	6 800*	16.8	71.3	53.8	6 800*	16.8
		15.2	76.5	55.2	6 800*	15.2	76.5	55.2	6 800*	16.8	73.2	54.3	6 800*	18.3	70.7	53.8	6 800*	18.3	68.6	51.9	6 000	18.3
		16.8	74.9	54.8	6 800*	16.8	74.9	54.8	6 800*	18.3	70.7	53.8	6 800*	21.3	68.6	51.9	6 000	21.3	66.1	49.9	5 800*	21.3
		18.3	73.2	54.3	6 800*	18.3	73.2	54.3	6 800*	21.3	70.7	53.8	6 800*	24.4	65.9	51.4	5 800*	24.4	63.2	49.9	5 800*	24.4
		19.8	71.5	53.8	6 800*	19.8	71.5	53.8	6 800*	21.3	68.6	51.9	6 000	24.4	64.1	49.9	5 800*	24.4	62.2	48.5	4 700	24.4
		21.3	69.8	53.0	6 800*	21.3	69.8	53.0	6 800*	24.4	66.1	51.9	6 000	27.4	65.9	51.4	5 800*	27.4	63.2	48.5	4 700	27.4
		24.4	66.4	51.9	5 500	24.4	66.4	51.9	5 500	27.4	64.9	51.4	5 800*	30.5	65.9	51.4	5 800*	30.5	63.2	48.5	4 700	30.5
		27.4	62.9	50.4	4 600	27.4	62.9	50.4	4 600	30.5	65.9	49.9	4 800	33.5	62.5	48.5	4 800*	33.5	59.2	48.6	3 800	33.5
		33.5	55.4	46.5	3 200	33.5	55.4	46.5	3 200	36.6	58.4	46.0	3 400	44.6	61.4	44.6	3 500	44.6	56.2	45.0	3 400	36.6
		36.6	51.4	44.2	2 700	36.6	51.4	44.2	2 700	39.6	54.3	43.6	2 900	52.2	57.2	42.1	3 000	52.2	53.8	41.4	2 300	36.6
		39.6	47.2	41.4	2 300	39.6	47.2	41.4	2 300	42.7	50.0	40.9	2 400	52.7	59.2	42.1	2 500	52.7	56.2	41.4	2 100	36.6
		42.7	42.6	38.3	1 900	42.7	42.6	38.3	1 900	45.7	37.6	37.6	2 000	47.8	55.8	35.8	2 100	47.8	53.8	38.3	2 600	42.7
		45.7	37.5	34.5	1 600	45.7	37.5	34.5	1 600	48.2	33.8	33.8	1 700	49.6	55.8	35.8	2 100	49.6	51.9	34.5	2 600	42.7
		48.8	31.8	29.9	1 400	48.8	31.8	29.9	1 400	48.8	34.4	29.0	1 400	48.8	55.8	34.4	1 400	48.8	41.5	34.4	4 500*	48.8
<b>4 2 · 7</b>	<b>4 2 · 40</b>	12.2	80.3	59.0	6 800*	12.2	80.3	59.0	6 800*	13.7	78.8	58.7	6 800*	15.2	77.2	58.3	6 800*	16.8	75.7	57.9	6 800*	16.8
		13.7	78.8	58.7	6 800*	13.7	78.8	58.7	6 800*	15.2	77.2	58.3	6 800*	16.8	75.7	57.9	6 800*	16.8	73.2	57.9	6 800*	16.8
		15.2	77.2	58.3	6 800*	15.2	77.2	58.3	6 800*	16.8	75.7	57.9	6 800*	18.3	73.2	57.9	6 800*	18.3	71.1	57.5	6 800*	18.3
		16.8	75.7	57.9	6 800*	16.8	75.7	57.9	6 800*	18.3	73.2	57.5	6 800*	21.3	71.1	57.						

**MANITOWOC M-65w – Liftcrane jib capacities**

(jib no. 130 with 3 658mm strut on boom no. 46)

**19 050 KG COUNTERWEIGHT**
**6 807 MM CRAWLERS EXTENDED**
**360° RATING**
**15.2m (50 FT) JIB**

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RAD. METERS	3 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. METERS	
			BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS	BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS	BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS		
<b>4 5 · 7</b>	<b>1 5 0</b>	12.5	80.8	62.1	6 800*	13.7	79.3	61.8	6 800*	15.2	77.9	61.5	6 800*
		13.7	79.3	61.8	6 800*	14.4	78.0	61.5	6 800*	15.9	76.7	61.2	6 800*
		15.2	77.9	61.5	6 800*	16.8	76.4	61.1	6 800*	18.3	75.0	60.7	6 800*
		16.8	76.4	61.1	6 800*	18.3	74.9	60.7	6 800*	20.7	73.4	60.2	6 800*
		19.8	73.4	60.2	6 800*	21.3	71.9	59.7	6 800*	22.9	70.5	59.3	6 800*
		21.3	71.9	59.7	6 800*	24.4	68.9	58.5	5 300	25.0	67.5	57.2	5 300
		24.4	68.9	58.5	5 300	27.4	65.8	57.2	4 300	28.0	63.8	56.7	4 300
		30.5	62.6	55.6	3 600	33.5	59.3	53.9	3 000	34.1	57.0	51.9	3 000
		36.6	55.9	51.9	2 500	36.6	52.3	49.6	2 100	37.2	50.2	46.9	2 100
		39.6	52.3	49.6	2 100	42.7	48.6	46.9	1 700	43.3	46.4	44.7	1 700
		45.7	44.6	44.0	1 400	45.7	44.6	44.0	1 400	47.1	43.3	41.6	1 400
		12.5	80.8	62.1	6 800*	13.7	79.3	61.8	6 800*	15.2	77.9	61.5	6 800*
<b>4 8 · 8</b>	<b>1 6 0</b>	13.7	79.8	64.9	6 300*	15.2	78.4	64.6	6 200*	16.8	77.1	64.2	6 200*
		16.8	77.1	64.2	6 200*	18.3	75.7	63.8	6 100*	19.8	74.2	63.4	6 100*
		19.8	72.7	63.4	6 100*	21.3	72.8	62.9	6 000*	22.9	71.4	62.5	6 000*
		21.3	72.8	62.9	6 000*	24.4	69.9	61.8	5 200	25.0	67.0	60.5	5 200
		27.4	67.0	60.5	4 300	30.5	64.0	59.1	3 500	31.1	61.3	58.6	3 500
		33.5	60.9	57.4	2 900	36.6	57.7	55.6	2 400	37.2	53.5	52.9	2 400
		36.6	57.7	55.6	2 400	39.6	54.4	53.4	1 900	40.2	51.0	50.4	1 900
		42.7	51.0	51.0	1 600	45.7	51.0	49.7	1 600	47.7	47.7	46.0	1 600
		13.7	80.3	68.0	5 600*	15.2	79.0	67.7	5 600*	16.8	77.3	67.4	5 600*
		16.8	77.7	67.4	5 500*	18.3	76.3	67.0	5 500*	19.8	75.0	66.6	5 500*
		19.8	75.0	66.6	5 400*	21.3	73.6	66.1	5 400*	22.9	71.1	65.6	5 400*
		21.3	73.6	66.1	5 400*	24.4	70.9	65.1	5 100	25.0	69.4	63.9	5 100
		27.4	68.1	63.9	4 100	30.5	65.3	62.5	3 400	31.1	67.8	62.0	3 400
		33.5	62.4	60.9	2 800	36.6	59.4	59.2	2 300	37.2	61.8	58.7	2 300
		36.6	59.4	59.2	2 300	39.6	56.3	57.2	1 800	40.2	55.7	56.3	1 800
<b>5 1 · 8</b>	<b>1 7 0</b>	13.7	80.3	68.0	5 600*	15.2	79.0	67.7	5 600*	16.8	77.3	67.4	5 600*
		16.8	77.7	67.4	5 500*	18.3	76.3	67.0	5 500*	19.8	75.0	66.6	5 500*
		19.8	75.0	66.6	5 400*	21.3	73.6	66.1	5 400*	22.9	71.1	65.6	5 400*
		21.3	73.6	66.1	5 400*	24.4	70.9	65.1	5 100	25.0	69.4	63.9	5 100
		27.4	68.1	63.9	4 100	30.5	65.3	62.5	3 400	31.1	67.8	62.0	3 400
		33.5	62.4	60.9	2 800	36.6	59.4	59.2	2 300	37.2	61.8	58.7	2 300
		36.6	59.4	59.2	2 300	39.6	56.3	57.2	1 800	40.2	55.7	56.3	1 800
		42.7	53.1	54.9	1 400	45.7	53.1	55.4	1 400	47.7	54.4	54.3	1 400
		13.7	80.7	71.1	5 000*	15.2	79.5	70.8	5 000*	16.8	78.2	70.5	5 000*
		16.8	77.7	70.5	4 900*	18.3	76.9	70.1	4 900*	19.8	75.6	69.7	4 800*
		19.8	75.6	69.7	4 800*	21.3	74.4	69.3	4 800*	22.9	72.1	68.8	4 800*
		21.3	74.4	69.3	4 800*	24.4	71.8	68.3	4 700*	25.0	69.7	66.7	4 700*
		27.4	69.1	67.2	4 000	30.5	66.4	65.9	3 300	31.1	69.4	65.4	3 300
		33.5	63.7	64.4	2 600	36.6	56.3	56.0	2 900	37.2	68.5	62.5	2 900
		36.6	60.8	62.7	2 100	39.6	57.9	60.8	1 700	40.2	60.3	56.7	1 700
		42.7	54.9	58.7	1 400	45.7	54.9	57.2	1 400	47.7	58.2	56.2	1 400
<b>5 4 · 9</b>	<b>1 8 0</b>	13.7	80.7	71.1	5 000*	15.2	79.5	70.8	5 000*	16.8	78.2	70.5	5 000*
		16.8	77.7	70.5	4 900*	18.3	76.9	70.1	4 900*	19.8	75.6	69.7	4 800*
		19.8	75.6	69.7	4 800*	21.3	74.4	69.3	4 800*	22.9	72.1	68.8	4 800*
		21.3	74.4	69.3	4 800*	24.4	71.8	68.3	4 700*	25.0	69.7	66.7	4 700*
		27.4	69.1	67.2	4 000	30.5	66.4	65.9	3 300	31.1	69.4	65.4	3 300
		33.5	63.7	64.4	2 600	36.6	56.3	56.0	2 900	37.2	68.5	62.5	2 900
		36.6	60.8	62.7	2 100	39.6	57.9	60.8	1 700	40.2	60.3	56.7	1 700
		42.7	54.9	58.7	1 400	45.7	54.9	57.2	1 400	47.7	58.2	56.2	1 400
		13.7	80.7	71.1	5 000*	15.2	79.5	70.8	5 000*	16.8	78.2	70.5	5 000*
		16.8	77.7	70.5	4 900*	18.3	76.9	70.1	4 900*	19.8	75.6	69.7	4 800*
		19.8	75.6	69.7	4 800*	21.3	74.4	69.3	4 800*	22.9	72.1	68.8	4 800*
		21.3	74.4	69.3	4 800*	24.4	71.8	68.3	4 700*	25.0	69.7	66.7	4 700*
		27.4	69.1	67.2	4 000	30.5	66.4	65.9	3 300	31.1	69.4	65.4	3 300
		33.5	63.7	64.4	2 600	36.6	56.3	56.0	2 900	37.2	68.5	62.5	2 900
		36.6	60.8	62.7	2 100	39.6	57.9	60.8	1 700	40.2	60.3	56.7	1 700
		42.7	54.9	58.7	1 400	45.7	54.9	57.2	1 400	47.7	58.2	56.2	1 400

**MANITOWOC M-65w – Liftcrane jib capacities**
**(jib no. 130 with 3 658mm strut on boom no. 46)**
**19 050 KG COUNTERWEIGHT**
**6 807 MM CRAWLERS EXTENDED**
**360° RATING**
**18.3m (60 FT) JIB**

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RAD. METERS	3 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. METERS	
			BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS	BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS	BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS		
<b>2 1 · 3</b>	<b>7 0</b>	9.1	80.1	41.0	6 800*	10.7	77.9	40.6	6 800*	12.2	75.6	40.2	6 800*
		10.7	77.9	40.6	6 800*	12.2	75.6	40.2	6 800*	13.7	73.3	39.8	6 800*
		12.2	75.6	40.2	6 800*	13.7	73.3	39.8	6 800*	15.2	71.0	39.2	6 800*
		13.7	73.3	39.8	6 800*	15.2	71.0	39.2	6 800*	16.8	68.7	38.6	6 700*
		16.8	68.7	38.6	6 700*	18.3	66.3	37.9	6 700*	20.8	53.0	32.0	4 800*
		18.3	66.3	37.9	6 700*	19.8	63.9	37.2	6 700*	21.3	51.4	31.4	4 800*
		21.3	63.9	37.2	6 700*	24.4	56.2	34.4	5 800*	27.4	30.5	25.3	5 700*
		24.4	56.2	34.4	5 800*	27.4	50.6	32.0	5 300	30.5	33.5	25.3	5 300
		30.5	44.6	29.0	4 600	33.5	37.7	25.3	3 900	36.6	29.5	20.5	3 500
		33.5	44.6	29.0	4 600	36.6	37.7	25.3	3 900	39.6	28.3	21.2	2 900
		36.6	44.6	29.0	4 600	39.6	48.6	33.3	4 400	42.7	52.0	37.4	4 300
		42.7	52.0	37.4	4 300	46.1	67.6	45.5	6 800*	49.1	79.5	41.9	6 700*
		46.1	67.6	45.5	6 800*	49.1	79.5	41.9	6 800*	52.0	70.3	41.9	6 700*
		52.0	70.3	41.9	6 700*	55.4	68.1	41.3	6 500*	58.0	68.1	41.3	6 700*
		55.4	68.1	41.3	6 500*	58.0	68.1	41.3	6 500*	61.8	70.3	41.9	6 700*
		61.8	70.3	41.9	6 700*	64.4	63.6	39.8	6 200	67.4	66.6	39.9	6 700*
		64.4	63.6	39.8	6 200	67.4	63.6	39.8	6 200	70.5	61.2	36.6	6 700*
		67.4	63.6	39.8	6 200	70.5	61.2	36.6	6 200	73.5	56.2	34.4	6 700*
		70.5	61.2	36.6	6 200	73.5	56.2	34.4	6 200	76.5	49.2	31.4	6 700*
		73.5	56.2	34.4	6 200	76.5	49.2	31.4	6 200	80.0	42.9	28.2	6 700*
		76.5	49.2	31.4	6 200	80.0	42.9	28.2	6 200	83.0	36.6	25.3	6 700*
		80.0	42.9	28.2	6 200	83.0	36.6	25.3	6 200	86.0	31.4	22.0	6 700*
		83.0	36.6	25.3	6 200	86.0	31.4	22.0	6 200	89.0	26.7	19.7	6 700*
		86.0	31.4	22.0	6 200	89.0	26.7	19.7	6 200	92.0	22.0	17.4	6 700*
		92.0	26.7	19.7	6 200	92.0	26.7	17.4	6 200	95.0	22.0	15.2	6 700*
		95.0	22.0	17.4	6 200	95.0	22.0	15.2	6 200	98.0	22.0	13.7	6 700*
		98.0	22.0	15.2	6 200	98.0	22.0	13.7	6 200	101.0	22.0	12.2	6 700*
		101.0	22.0	13.7	6 200	101.0	22.0	12.2	6 200	104.0	22.0	10.7	6 700*
		104.0	22.0	12.2	6 200	104.0	22.0	10.7	6 200	107.0	22.0	9.1	6 700*
		107.0	22.0	9.1	6 200	107.0	22.0	9.1	6 200	110.0	22.0	10.7	6 700*
		110.0	22.0	10.7	6 200	110.0	22.0	10.7	6 200	113.0	22.0	12.2	6 700*
		113.0	22.0	12.2	6 200	113.0	22.0	12.2	6 200	116.0	22.0	13.7	6 700*
		116.0	22.0	13.7	6 200	116.0	22.0	13.7	6 200	119.0	22.0	15.2	6 700*
		119.0	22.0	15.2	6 200	119.0	22.0	15.2	6 200	122.0	22.0	16.8	6 700*
		122.0	22.0	16.8	6 200	122.0	22.0	16.8	6 200	125.0	22.0	18.3	6 700*
		125.0	22.0	18.3	6 200	125.0	22.0	18.3	6 200	128.0	22.0	19.8	6 700*
		128.0	22.0	19.8	6 200	128.0	22.0	19.8	6 200	131.0	22.0	21.3	6 700*
		131.0	22.0	21.3	6 200	131.0	22.0	21.3	6 200	134.0	22.0	24.4	6 700*
		134.0	22.0	24.4	6 200	134.0	22.0	24.4	6 200	137.0	22.0	27.4	6 700*
		137.0	22.0	27.4	6 200	137.0	22.0	27.4	6 200	140.0	22.0	30.5	6 700*
		140.0	22.0	30.5	6 200	140.0	22.0	30.5	6 200	143.0	22.0	33.5	6 700*
		143.0	22.0	33.5	6 200	143.0	22.0	33.5	6 200	146.0	22.0	36.6	6 700*
		146.0	22.0	36.6	6 200	146.0	22.0	36.6	6 200	149.0	22.0	39.6	6 700*
		149.0	22.0	39.6	6 200	149.0	22.0	39.6	6 200	152.0	22.0	42.7	6 700*
		152.0	22.0	42.7	6 200	152.0	22.0	42.7	6 200	155.0	22.0	45.7	6 700*
		155.0	22.0	45.7	6 200	155.0	22.0	45.7	6 200	158.0	22.0	48.7	6 700*
		158.0	22.0	48.7	6 200	158.0	22.0	48.7	6 200	161.0	22.0	51.7	6 700*
		161.0	22.0	51.7	6 200	161.0	22.0	51.7	6 200	164.0	22.0	54.7	6 700*
		164.0	22.0	54.7	6 200	164.0	22.0	54.7	6 200	167.0	22.0	57.7	6 700*
		167.0	22.0	57.7	6 200	167.0	22.0	57.7	6 200	170.0	22.0	60.7	6 700*
		170.0	22.0	60.7	6 200	170.0	22.0	60.7	6 200	173.0	22.0	63.7	6 700*
		173.0	22.0	63.7	6 200	173.0	22.0	63.7	6 200	176.0	22.0	66.7	6 700*
		176.0	22.0	66.7	6 200	176.0	22.0	66.7	6 200	179.0	22.0	69.7	6 700*
		179.0	22.0	69.7	6 200	179.0	22.0	69.7	6 200	182.0	22.0	72.7	6 700*
		182.0	22.0	72.7	6 200	182.0	22.0	72.7	6 200	185.0	22.0	75.7	6 700*
		185.0	22.0	75.7	6 200	185.0	22.0	75.7	6 200	188.0	22.0	78.7	6 700*
		188.0	22.0	78.7	6 200	188.0	22.0	78.7	6 200	191.0	22.0	81.7	6 700*
		191.0	22.0	81.7	6 200	191.0	22.0	81.7	6 200	194.0	22.0	84.7	6 700*
		194.0	22.0	84.7	6 200	194.0	22.0	84.7	6 200	197.0	22.0	87.7	6 700*
		197.0	22.0	87.7	6 200	197.0	22.0	87.7	6 200	200.0	22.0	90.7	6 700*
		200.0	22.0	90.7	6 200	200.0	22.0	90.7	6 200	203.0	22.0	93.7	6 700*
		203.0	22.0	93.7	6 200	203.0	22.0	93.7	6 200	206.0	22.0	96.7	6 700*
		206.0	22.0	96.7	6 200	206.0	22.0	96.7	6 200	209.0	22.0	99.7	6 700*
		209.0	22.0	99.7	6 200	209.0	22.0	99.7	6 200	212.0	22.0	102.7	6 700*
		212.0	22.0	102.7	6 200	212.0	22.0	102.7	6 200	215.0	22.0	105.7	6 700*
		215.0	22.0	105.7	6 200	215.0	22.0	105.7	6 200	218.0	22.0	108.7	6 700*
		218.0	22.0	108.7	6 200	218.0	22.0	108.7	6 200	221.0	22.0	111.7	6 700*
		221.0	22.0	111.7	6 200	221.0	22.0	111.7	6 200	224.0	22.0	114.7	6 700*
		224.0	22.0	114.7	6 200	224.0	22.0	114.7	6 200	227.0	22.0	117.7	6 700*
		227.0	22.0	117.7	6 200	227.0	22.0	117.7	6 200	230.0	22.0	120.7	6 700*
		230.0	22.0	120.7	6 200	230.0	22.0	120.7	6 200	233.0	22.0	123.7	6 700*
		233.0	22.0	123.7	6 200	233.0	22.0	123.7	6 200	236.0	22.0	126.7	6 700*
		236.0	22.0	126.7	6 200	236.0	22.0	126.7	6 200	239.0	22.0	129.7	6 700*
		239.0	22.0	129.7	6 200	239.0	22.0	129.7	6 200	242.0	22.0	132.7	6 700*
		242.0	22.0	132.7	6 200	242.0	22.0	132.7	6 200	245.0	22.0	135.7	6 700*
		245.0	22.0	135.7	6 200	245.0	22.0	135.7	6 200	248.0	22.0	138.7	6 700*
		248.0	22.0	138.7	6 200	248.0	22.0	138.7	6 200	251.0	22.0	141.7	6 700*
		251.0	22.0	141.7	6 200	251.0	22.0	141.7	6 200	254.0	22.0	144.7	6 700*
		254.0	22.0	144.7	6 200	254.0	22.0	144.7	6 200	257.0	22.0	147.7	6 700*
		257.0	22.0	147.7	6 200	257.0	22.0	147.7	6 200	260.0	22.0	150.7	6 700*
		260.0	22.0	150.7	6 200	260.0	22.0	150.7	6 200	263.0	22.0	153.7	6 700*
		263.0	22.0	153.7	6 200	263.0	22.0	153.7	6 200	266.0	22.0	156.7	6 700*
		266.0	22.0	156.7	6 200	266.0	22.0	156.7	6 200	269.0	22.0	159.7	6 700*
		269.0	22.0	159.7	6 200	269.0	22.0	15					

**MANITOWOC M-65w – Liftcrane jib capacities**

(jib no. 130 with 3 658mm strut on boom no. 46)

19 050 KG COUNTERWEIGHT

6 807 MM CRAWLERS EXTENDED

360° RATING

**18.3m (60 FT) JIB**

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RAD. METERS	3 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. METERS	
			BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS	BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS	BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS		
3 3 · 5	1 1 · 0	10.7	80.7	53.1	6 800*	12.2	79.0	52.8	6 800*	13.7	77.3	52.4	6 800*
		12.2	79.0	50.5	6 800*	13.7	75.6	52.0	6 800*	15.2	73.9	51.6	6 600*
		13.7	77.3	52.4	6 800*	15.2	75.6	52.0	6 800*	16.8	73.9	51.6	6 600*
		15.2	75.6	52.0	6 800*	16.8	73.9	51.6	6 600*	18.3	72.1	51.1	6 500*
		16.8	73.9	51.6	6 600*	18.3	70.3	50.5	6 300*	19.8	68.5	49.9	6 300*
		18.3	72.1	51.1	6 500*	19.8	68.5	49.9	6 300*	21.3	64.8	48.5	5 800*
		21.3	68.5	49.9	6 300*	21.3	64.8	48.5	5 800*	24.4	61.0	46.9	4 800
		24.4	64.8	48.5	5 800	24.4	61.0	46.9	4 800	27.4	57.1	45.0	4 100
		27.4	57.1	45.0	4 100	27.4	57.1	45.0	4 100	30.5	52.9	42.7	3 400
		33.5	52.9	42.7	3 400	33.5	52.9	42.7	3 400	36.6	48.6	40.1	2 900
		36.6	48.6	40.1	2 900	36.6	48.6	40.1	2 900	39.6	43.8	37.1	2 500
		42.7	43.8	37.1	2 500	42.7	43.8	37.1	2 500	45.7	38.6	33.5	2 200
		45.7	32.7	29.0	1 900	45.7	32.7	29.0	1 900	48.8	25.6	23.3	1 600
		48.8	32.7	23.3	1 600	48.8	25.6	23.3	1 600				
3 3 · 6	1 2 · 0	12.2	79.7	55.9	6 800*	13.7	78.0	55.6	6 800*	15.2	76.4	55.2	6 700*
		13.7	78.0	55.6	6 800*	15.2	76.4	55.2	6 700*	16.8	74.8	54.8	6 600*
		15.2	76.4	55.2	6 700*	16.8	74.8	54.8	6 600*	18.3	73.1	54.3	6 400*
		16.8	74.8	54.8	6 600*	18.3	73.1	54.3	6 400*	19.8	71.4	53.8	6 300*
		19.8	71.4	53.8	6 300*	19.8	69.8	53.2	6 200*	21.3	66.3	51.9	5 700
		21.3	69.8	53.2	6 200*	21.3	66.3	51.9	5 700	24.4	62.8	50.4	4 700
		24.4	66.3	51.9	5 700	24.4	62.8	50.4	4 700	27.4	59.1	48.6	3 900
		27.4	59.1	48.6	3 900	27.4	59.1	48.6	3 900	30.5	55.3	46.6	3 400
		33.5	55.3	46.6	3 400	33.5	55.3	46.6	3 400	36.6	51.3	44.2	2 900
		36.6	51.3	44.2	2 900	36.6	51.3	44.2	2 900	39.6	47.1	41.5	2 400
		42.7	47.1	41.5	2 400	42.7	47.1	41.5	2 400	45.7	37.5	34.5	1 800
		45.7	37.5	34.5	1 800	45.7	37.5	34.5	1 800	48.8	31.7	29.9	1 500
		48.8	31.7	29.9	1 500	48.8	31.7	29.9	1 500				
3 3 · 9	1 3 · 0	12.2	80.2	59.0	6 800*	13.7	78.7	58.7	6 700*	15.2	77.1	58.3	6 600*
		13.7	78.7	58.7	6 700*	15.2	77.1	58.3	6 600*	16.8	75.6	57.9	6 500*
		15.2	77.1	58.3	6 600*	16.8	75.6	57.9	6 500*	18.3	74.0	57.5	6 300*
		16.8	75.6	57.9	6 500*	18.3	74.0	57.5	6 300*	19.8	72.5	57.0	6 300*
		19.8	72.5	57.0	6 300*	19.8	70.9	56.5	6 100*	21.3	67.6	55.2	5 500
		21.3	70.9	56.5	6 100*	21.3	67.6	55.2	5 500	24.4	64.3	53.8	4 600
		24.4	67.6	55.2	5 500	24.4	64.3	53.8	4 600	27.4	60.9	50.2	3 900
		27.4	60.9	50.2	3 900	27.4	60.9	50.2	3 900	30.5	57.4	50.3	3 400
		33.5	57.4	50.3	3 400	33.5	57.4	50.3	3 400	36.6	53.7	48.1	2 700
		36.6	53.7	48.1	2 700	36.6	53.7	48.1	2 700	39.6	49.9	45.6	2 300
		42.7	45.7	42.7	1 900	42.7	45.7	42.7	1 900	45.7	41.3	39.4	1 700
		45.7	41.3	39.4	1 700	45.7	41.3	39.4	1 700	48.8	36.4	35.5	1 400
		48.8	36.4	35.5	1 400	48.8	36.4	35.5	1 400				
4 2 · 7	1 4 · 0	12.2	80.7	62.1	6 300*	13.7	79.2	61.8	6 300*	15.2	77.8	61.5	6 200*
		13.7	79.2	61.8	6 300*	15.2	77.8	61.5	6 200*	16.8	76.3	61.1	6 200*
		15.2	77.8	61.5	6 200*	16.8	76.3	61.1	6 200*	18.3	74.8	60.7	5 700
		16.8	76.3	61.1	6 200*	18.3	74.8	60.7	5 700	19.8	73.4	60.2	6 100*
		19.8	73.4	60.2	6 100*	19.8	71.9	59.7	6 000*	21.3	68.8	58.5	5 400
		21.3	71.9	59.7	6 000*	21.3	68.8	58.5	5 400	24.4	65.7	57.2	4 400
		24.4	68.8	58.5	5 400	24.4	65.7	57.2	4 400	27.4	62.5	55.7	3 700
		27.4	65.7	57.2	4 400	27.4	65.7	56.1	4 400	30.5	59.2	53.9	3 100
		33.5	59.2	53.9	3 100	33.5	59.2	53.9	3 100	36.6	55.8	51.9	2 600
		36.6	55.8	51.9	2 600	36.6	55.8	51.9	2 600	39.6	52.2	49.6	2 200
		42.7	48.5	47.0	1 800	42.7	48.5	47.0	1 800	45.7	44.5	44.0	1 500
		45.7	44.5	44.0	1 500	45.7	44.5	44.0	1 500	48.8	43.2	39.8	1 400
		48.8	43.2	39.8	1 400	48.8	43.2	39.8	1 400				

**MANITOWOC M-65w – Liftcrane jib capacities**

(jib no. 130 with 3 658mm strut on boom no. 46)

19 050 KG COUNTERWEIGHT

6 807 MM CRAWLERS EXTENDED

360° RATING

**18.3m (60 FT) JIB**

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RAD. METERS	3 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. METERS
			BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS	BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS	BOOM POINT ANG. DEG.	JIB ELEV. METERS	CAPACITY KILOGRAMS	
4 5 · 7	1 5 0	13.7	79.8	64.9	5 800*							13.7
		15.2	78.4	64.6	5 700*							15.2
		16.8	77.0	64.2	5 700*	80.3	63.8	5 500*				16.8
		18.3	75.6	63.8	5 700*	78.9	63.4	5 500*				18.3
		19.8	74.2	63.4	5 600*	77.4	62.9	5 500*				19.8
		21.3	72.7	62.9	5 600*	76.0	62.4	5 400*	79.6	61.1	3 800*	21.3
		24.4	69.9	61.8	5 300	73.1	61.3	5 400*	76.7	59.9	3 800*	24.4
		27.4	66.9	60.6	4 300	70.1	60.1	4 700	73.6	58.6	3 700*	27.4
		30.5	63.9	59.1	3 600	67.1	58.6	3 900	70.5	57.1	3 600*	30.5
		33.5	60.8	57.4	3 000	64.0	56.9	3 200	67.3	55.4	3 400	33.5
4 8 · 8	1 6 0	36.6	57.7	55.6	2 500	60.8	55.0	2 700	64.0	53.4	2 900	36.6
		39.6	54.3	53.4	2 100	57.4	52.9	2 300	60.6	51.2	2 400	39.6
		42.7	50.9	51.0	1 700	53.9	50.4	1 900	56.9	48.7	2 000	42.7
		45.7	47.2	48.3	1 400	50.2	47.7	1 500	53.1	45.8	1 700	45.7
		48.8							49.0	42.5	1 400	48.8
		13.7	80.2	68.0	5 300*							13.7
		15.2	78.9	67.7	5 300*							15.2
		16.8	77.6	67.4	5 200*	80.7	66.9	5 000*				16.8
		18.3	76.2	67.0	5 200*	79.4	66.5	5 000*				18.3
		19.8	74.9	66.6	5 100*	78.0	66.1	5 000*				19.8
5 1 · 8	1 7 0	21.3	73.6	66.1	5 100*	76.7	65.6	5 000*	80.1	64.2	3 700*	21.3
		24.4	70.8	65.1	5 000*	73.9	64.6	4 900*	77.3	63.2	3 600*	24.4
		27.4	68.0	63.9	4 300	71.1	63.4	4 600	74.5	61.9	3 500*	27.4
		30.5	65.2	62.5	3 500	68.2	62.0	3 800	71.5	60.5	3 500*	30.5
		33.5	62.3	60.9	2 900	65.3	60.4	3 100	68.5	58.9	3 400	33.5
		36.6	59.3	59.2	2 400	62.3	58.6	2 600	65.4	57.1	2 800	36.6
		39.6	56.2	57.2	1 900	59.2	56.6	2 100	62.2	55.0	2 400	39.6
		42.7	53.0	54.9	1 600	55.9	54.4	1 800	58.8	52.7	1 900	42.7
		45.7	49.6	52.4	1 300	52.5	51.8	1 400	55.3	50.0	1 600	45.7
		13.7	80.7	71.1	4 800*							13.7
5 1 · 8	1 7 0	15.2	79.4	70.8	4 800*							15.2
		16.8	78.1	70.5	4 800*							16.8
		18.3	76.9	70.1	4 700*	79.9	69.7	4 500*				18.3
		19.8	75.6	69.7	4 700*	78.6	69.3	4 500*				19.8
		21.3	74.3	69.3	4 600*	77.3	68.8	4 500*	80.6	67.4	3 500*	21.3
		24.4	71.7	68.3	4 500*	74.6	67.8	4 400*	77.9	66.4	3 500*	24.4
		27.4	69.0	67.2	4 100	72.0	66.7	4 400*	75.2	65.2	3 400*	27.4
		30.5	66.3	65.9	3 400	69.3	65.4	3 700	72.4	63.9	3 400*	30.5
		33.5	63.6	64.4	2 800	66.5	63.9	3 000	69.6	62.3	3 300	33.5
		36.6	60.8	62.7	2 300	63.6	62.2	2 500	66.7	60.6	2 700	36.6
39.6	54.9	39.6	57.9	60.9	1 900	60.7	60.3	2 000	63.6	58.7	2 300	39.6
		42.7	54.9	58.8	1 500	57.7	58.2	1 700	60.5	56.5	1 900	42.7
		45.7				54.5	55.8	1 300	57.3	54.0	1 500	45.7

**MANITOWOC**

**M-65W**



**75-Ton Liftcrane ■ 15,000-Lb. Clamshell ■ 13,500-Lb. Dragline**

# MORE FEATURES THAN ANY OTHER CRANE IN ITS CLASS

- Compact design
- 135,630-pound overall weight
- 11'5 $\frac{3}{4}$ " transportation width
- Three-truck shipability with maximum boom
- Boom lengths to 190'
- Jib lengths to 60'
- Boom & jib combinations to 230'
- Efficient hydrostatic transmission

- Independent, variable-speed operation of all functions
- Permanently-sealed crawler drive bearings
- Spooling capacities to 728' of  $\frac{3}{4}$ " wire rope per drum
- Full-power and free-fall drum controls
- 18" wide tandem drums

- Rated line pulls to 15,000 pounds
- Line speeds to 510 FPM
- Swing speeds to 3.50 RPM
- Travel speeds to 1.0 MPH
- 30% gradeability
- Ergonomic control consoles
- Electro-hydraulic controls
- X-SPANDER® capacity enhancement device

## LOWERWORKS

**CARBODY:** Single-piece steel fabrication. Integral turret provides rigid mounting for inner race of turntable bearing. Wings on carbody mate with pockets in crawler frames.

**CRAWLER ASSEMBLIES:** Two reinforced steel fabrications, each supporting a front idler roller, 12 intermediate rollers, hydraulic drive motor, fully enclosed travel planetary, crawler tumbler, and tread. Abrasion-resistant steel slide rails along crawler frame top. Overall crawler length 22'3 $\frac{3}{8}$ " (6.80M). Crawlers extend to 16'8 $\frac{1}{2}$ " (5.09M), retract to 11'5 $\frac{3}{4}$ " (3.5M).

**FRONT IDLER ROLLER:** Double-flanged, 33" (838mm) diameter, fabricated steel roller is mounted on stationary shaft supported at both ends by crawler frame. Roller revolves on sealed bearings for minimized maintenance.

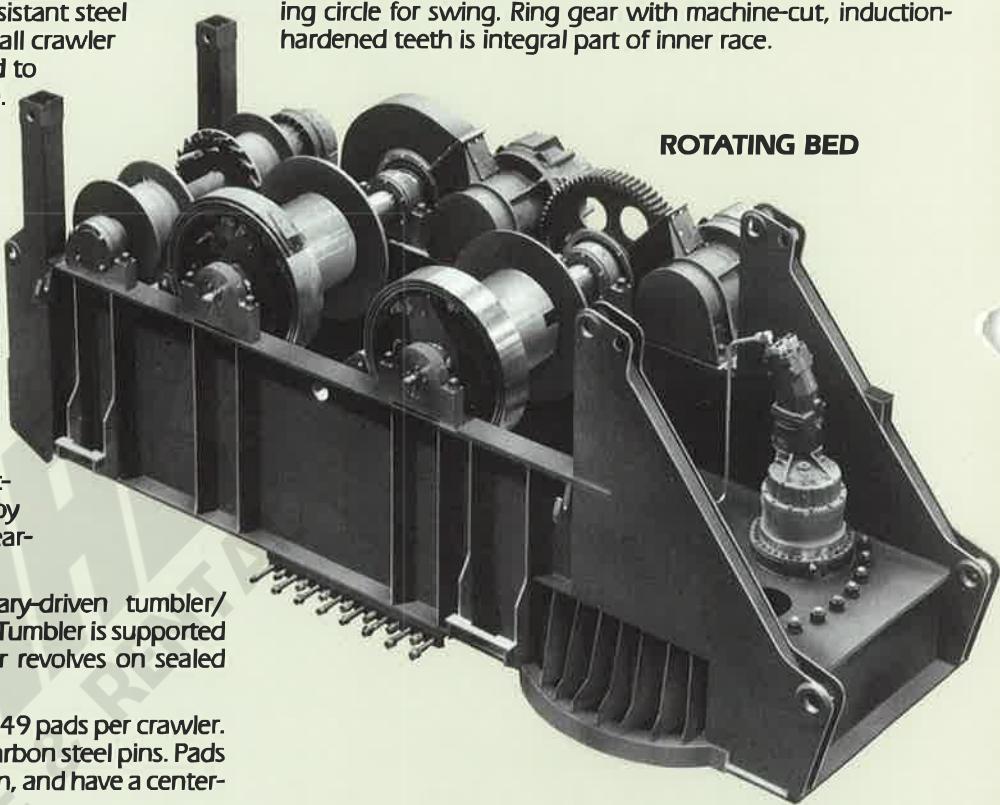
**INTERMEDIATE ROLLERS:** Double-flanged, 12" (305mm) diameter rollers are mounted along underside of crawler frame. Each roller is mounted on a 2 $\frac{3}{4}$ " (70mm) diameter stationary shaft whose ends are supported by welded frames and held in place by keeper bars. Rollers revolve on sealed bearings for minimized maintenance.

**CRAWLER DRIVE TUMBLER:** Planetary-driven tumbler/sprocket transmits drive torque to tread. Tumbler is supported at both ends by crawler frame. Tumbler revolves on sealed bearings for minimized maintenance.

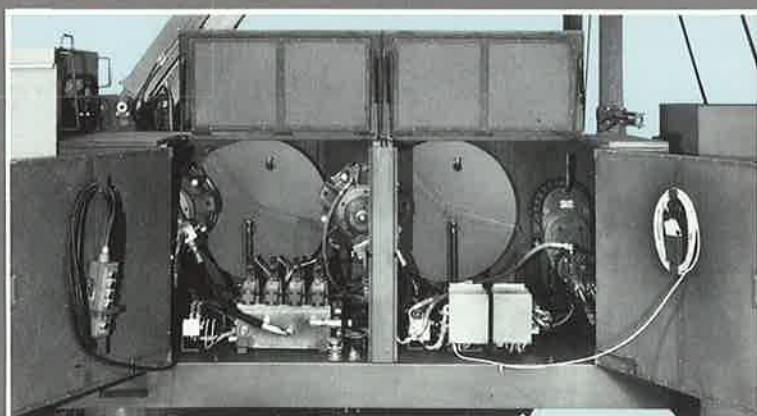
**CRAWLER TREADS:** 36" (914mm) wide, 49 pads per crawler. Adjacent pads connected by two high-carbon steel pins. Pads are cast alloy steel, feature a closed design, and have a centering lug.

**INDEPENDENT TRAVEL POWER:** Two pressure-compensated, variable-displacement hydraulic motors, one driving each crawler. System enables each crawler to be rotated independently in either direction at variable speed.

**TURNTABLE BEARING:** 64 $\frac{3}{4}$ " (1.64M) diameter bearing bolts to carbody and rotating bed, providing single-row ball bearing circle for swing. Ring gear with machine-cut, induction-hardened teeth is integral part of inner race.



HYDRAULIC CRAWLER DRIVE



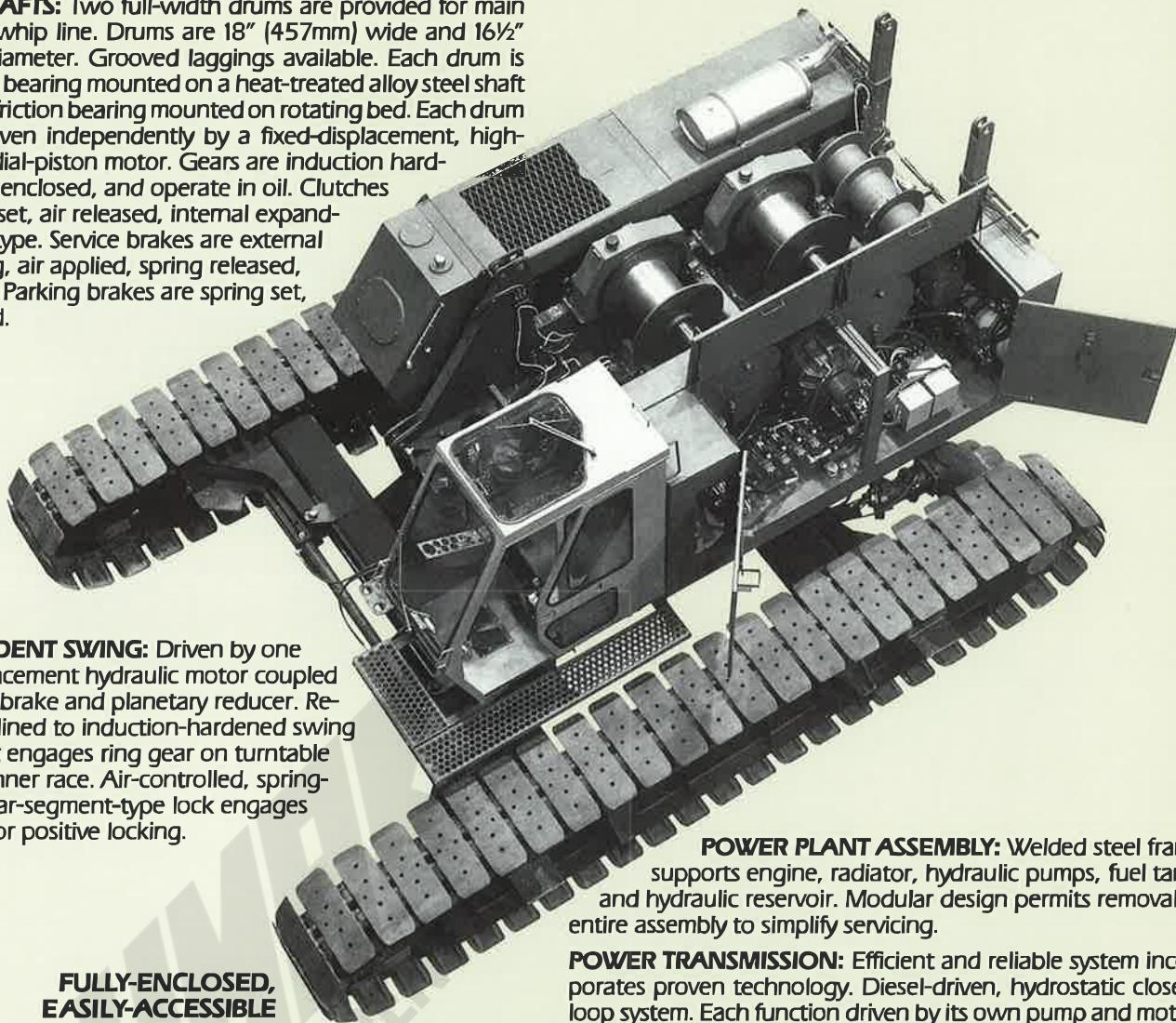
PROVEN HYDROSTATIC COMPONENTS

## UPPERWORKS

**ROTATING BED:** Single-piece, deep-section, steel fabrication with vertical side frames and internal framing provides support for mounting all other upperworks components. Bed rotates on 64 $\frac{3}{4}$ " (1.64M) diameter turntable bearing. Complete upperworks can be mounted on carbody or truck chassis.

**DRUM SHAFTS:** Two full-width drums are provided for main hoist and whip line. Drums are 18" (457mm) wide and 16 $\frac{1}{2}$ " (419mm) diameter. Grooved laggings available. Each drum is antifriction bearing mounted on a heat-treated alloy steel shaft that is antifriction bearing mounted on rotating bed. Each drum shaft is driven independently by a fixed-displacement, high-torque, radial-piston motor. Gears are induction hardened, fully enclosed, and operate in oil. Clutches are spring set, air released, internal expanding, band type. Service brakes are external contracting, air applied, spring released, band type. Parking brakes are spring set, air released.

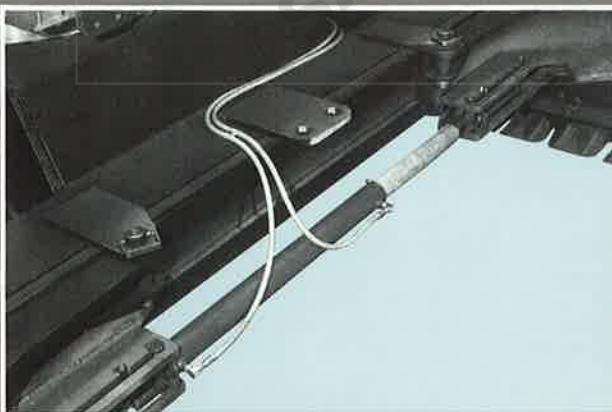
**INDEPENDENT BOOM HOIST:** Dual, grooved drums antifriction bearing mounted on rear of rotating bed. Boom hoist drum shaft driven independently by variable-displacement hydraulic motor coupled to internal brake and planetary reducer. Ratchet and pawl standard.



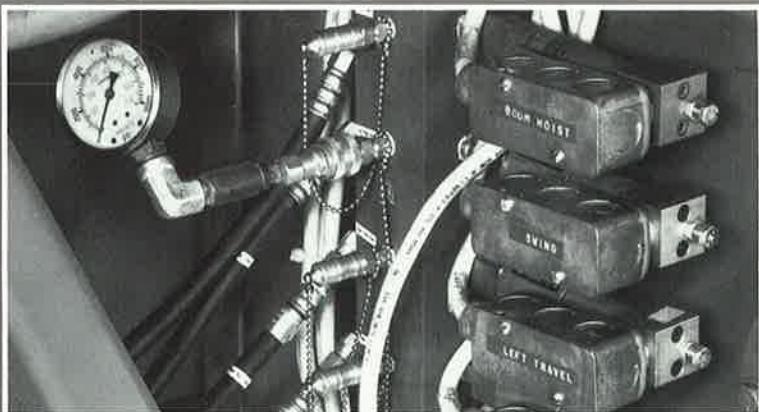
**POWER PLANT ASSEMBLY:** Welded steel frame supports engine, radiator, hydraulic pumps, fuel tank, and hydraulic reservoir. Modular design permits removal of entire assembly to simplify servicing.

**POWER TRANSMISSION:** Efficient and reliable system incorporates proven technology. Diesel-driven, hydrostatic closed-loop system. Each function driven by its own pump and motor, providing totally independent operation.

**POWER LOWERING:** An integral function of system. Pump and motor provide hydraulically-powered rotation in either direction, resulting in loads being hoisted and lowered under power for positive control.



HYDRAULICALLY EXTENDIBLE CRAWLERS

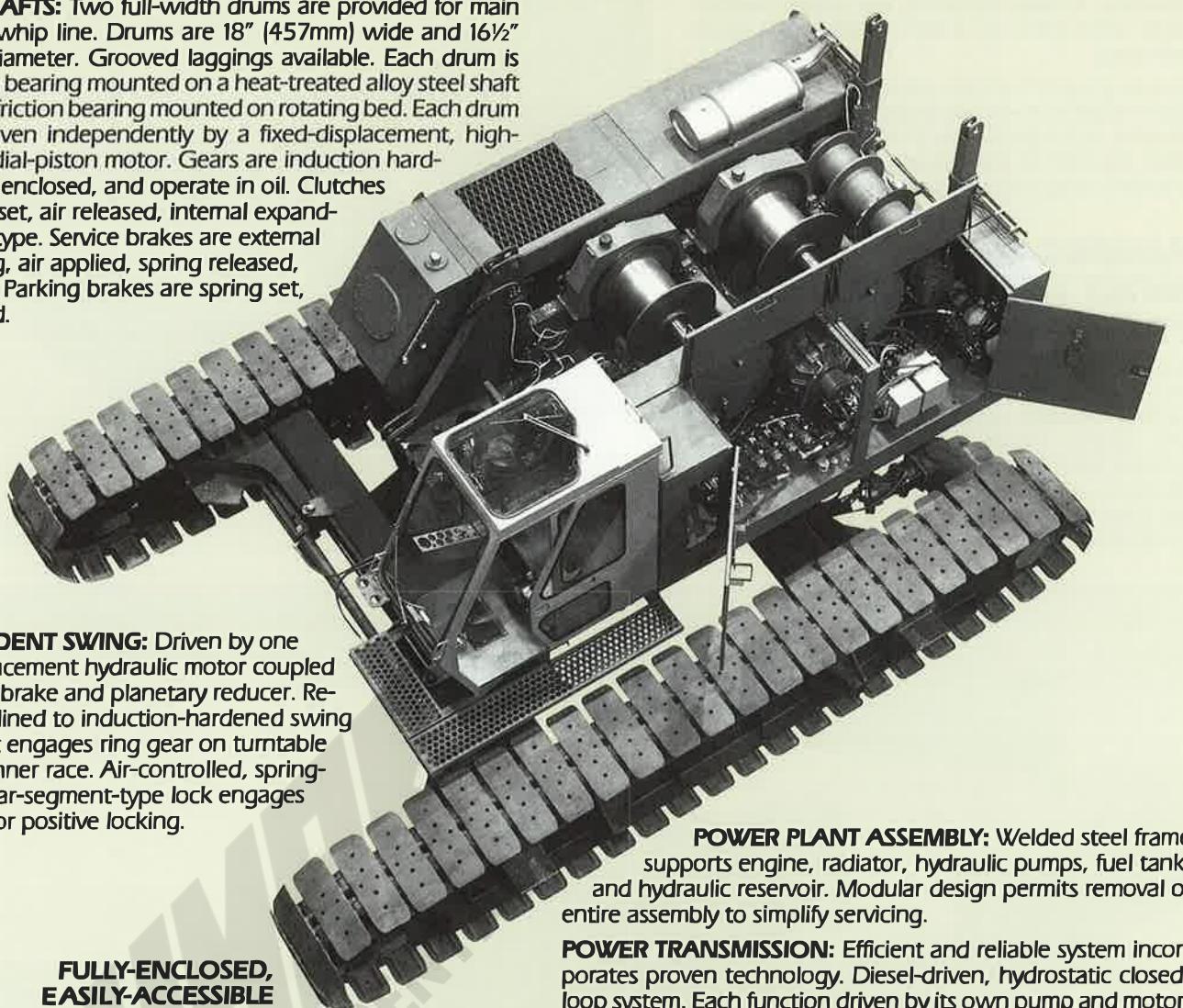


CONVENIENT DIAGNOSTICS

## UPPERWORKS

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**INDEPENDENT SWING:** Driven by one fixed-displacement hydraulic motor coupled to internal brake and planetary reducer. Reducer is splined to induction-hardened swing pinion that engages ring gear on turntable bearing's inner race. Air-controlled, spring-loaded, gear-segment-type lock engages ring gear for positive locking.

FULLY-ENCLOSED,  
EASILY-ACCESSIBLE  
COMPONENTS

**INDEPENDENT BOOM HOIST:** Dual, grooved drums anti-friction bearing mounted on rear of rotating bed. Boom hoist drum shaft driven independently by variable-displacement hydraulic motor coupled to internal brake and planetary reducer. Ratchet and pawl standard.

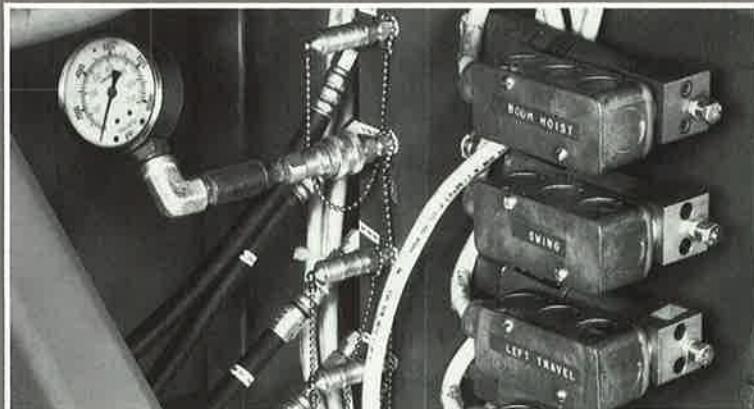
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HYDRAULICALLY EXTENDIBLE CRAWLERS



CONVENIENT DIAGNOSTICS

## FRONT END ATTACHMENTS

**NO. 46 BOOM:** 21' (6.40M) butt; 10' (3.05M), 20' (6.10M), and 30' (9.15M) inserts; 19' (5.80M) open throat top. Rectangular box-section design. All-welded construction with tubular chords and lacings. All boom sections are 47" (1.19M) wide x 47" (1.19M) deep at pin-connected joints. Each insert matched with two 1 $\frac{1}{8}$ " (28mm) diameter, single-length pendants. Lower boom point equipped with five 20" (508mm) diameter sheaves. Optional detachable upper boom point has one 20" (508mm) diameter sheave. All sheaves are antifriction bearing mounted. Basic boom length 40' (12.20M); maximum length 190' (57.90M).

**BOOM RIGGING:** Single line reeved from boom hoist drums through sheaves on gantry and equalizer forms 10-part rigging. Equalizer is connected to boom point by two 1 $\frac{1}{8}$ " (28mm) diameter pendants.

**GANTRY AND BACKHITCH:** Gantry is fabricated plate with parallel box section legs. Supported on pins by rotating bed. Telescoping, link-type backhitch pin-connects to gantry and rotating bed. Gantry sheaves are antifriction bearing mounted. Grease lines piped to bottom of gantry simplify sheave lubrication.

**EQUALIZER:** Fabricated steel frame supports four vertical sheaves and two horizontal sheaves, all antifriction-bearing mounted.

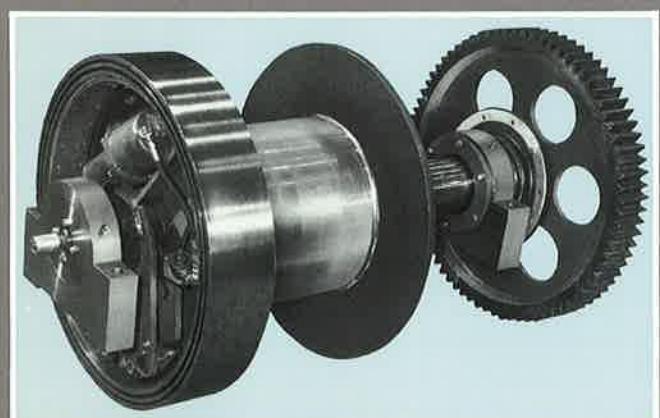
**AUTOMATIC BOOM STOP:** Boom contacts push rod, stopping boom hoist operation when boom angle reaches 82° from horizontal.

**TELESCOPIC BOOM STOP:** Air-cushioned telescoping tubes pinned to boom and rotating bed start cushioning at 75° boom angle and provide positive physical stop at 85° from horizontal. Standard on liftcrane.

**WIRE ROPE GUIDE:** Two antifriction-bearing sheaves mounted in steel frame on upper side of boom top.

**NO. 130 JIB:** Optional. 7.5-ton (6.80-metric ton) maximum capacity. 30' (9.15M) basic length extendible to 40' (12.20M), 50' (15.25M), or 60' (18.30M) with 10' (3.05M) inserts and matching pendants.

Jib offset angle adjustable to 3, 15, or 30 degrees. All-welded construction with tubular chords and lacings. Rectangular box-section 27" (686mm) wide x 22" (559mm) deep at pin-connected joints. Jib point has 19 $\frac{1}{16}$ " (500mm) OD antifriction-bearing mounted sheave. Maximum boom-and-jib combination, 170' (51.82M) + 60' (18.29M) or 180' (54.86M) + 50' (15.24M).



FULL-POWER/FREE-FALL DRUM

## GENERAL

**MACHINERY ENCLOSURES:** Steel housings along sides of crane protect engine and hydraulic components. Enclosures swing open to permit access for service.

**OPERATOR'S STATION:** Fully enclosed and insulated steel module mounted at left front corner of rotating bed on vibration absorbing rubber cushions. Large rubber-mounted safety glass windows on all sides and in ceiling provide clear, wide-angle view. Sliding door on left side. Conveniently located controls. Electric signal horn, heater, windshield wiper, dome light, and circulating fan standard.

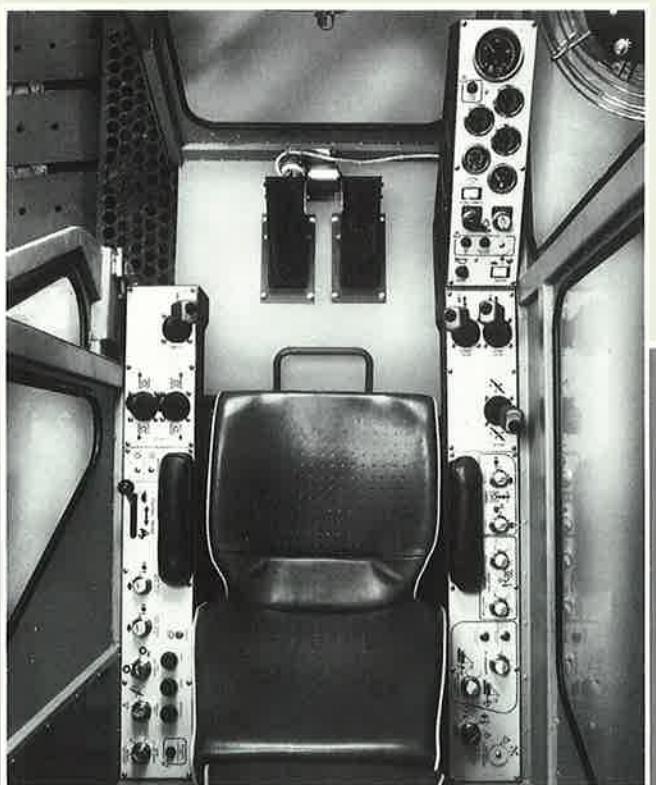
**SAFETY EQUIPMENT:** Load moment indicator, over-hoist limit switch, and audible swing alarm optional.

**CONTROLS:** All functions operated by electro-hydraulic controls, with speed directly proportional to control lever movement. First movement of boom hoist and travel controls releases parking brake; further movement increases speed. Movement of swing control lever immediately regulates power, and free swing exists when lever is in neutral position. Swing parking brake applied by separate switch. Controls for load drums can be operated in "full-power" (liftcrane) or "free-fall" (excavator) modes as applications require. Operator selects mode by positioning switch on control console. In full-power (liftcrane) mode, drum clutches always remain fully applied and loads are powered down using hydraulic system. In free-fall (excavator) mode, drum clutches release automatically when the control levers are in neutral position, and all lowering is controlled by pedal-operated service brakes. Additionally, mode-selector switch offers a "clamshell" setting that permits both drums to be controlled simultaneously with one lever. Drum speeds can be doubled by engaging selector switches that divert flow from travel pumps to drum motors.

**SWING SPEED:** Variable, 3.5 RPM maximum.

**TRAVEL SPEED:** Variable, 1.0 MPH (1.61 KPH) maximum.

**GRADEABILITY:** 30%.

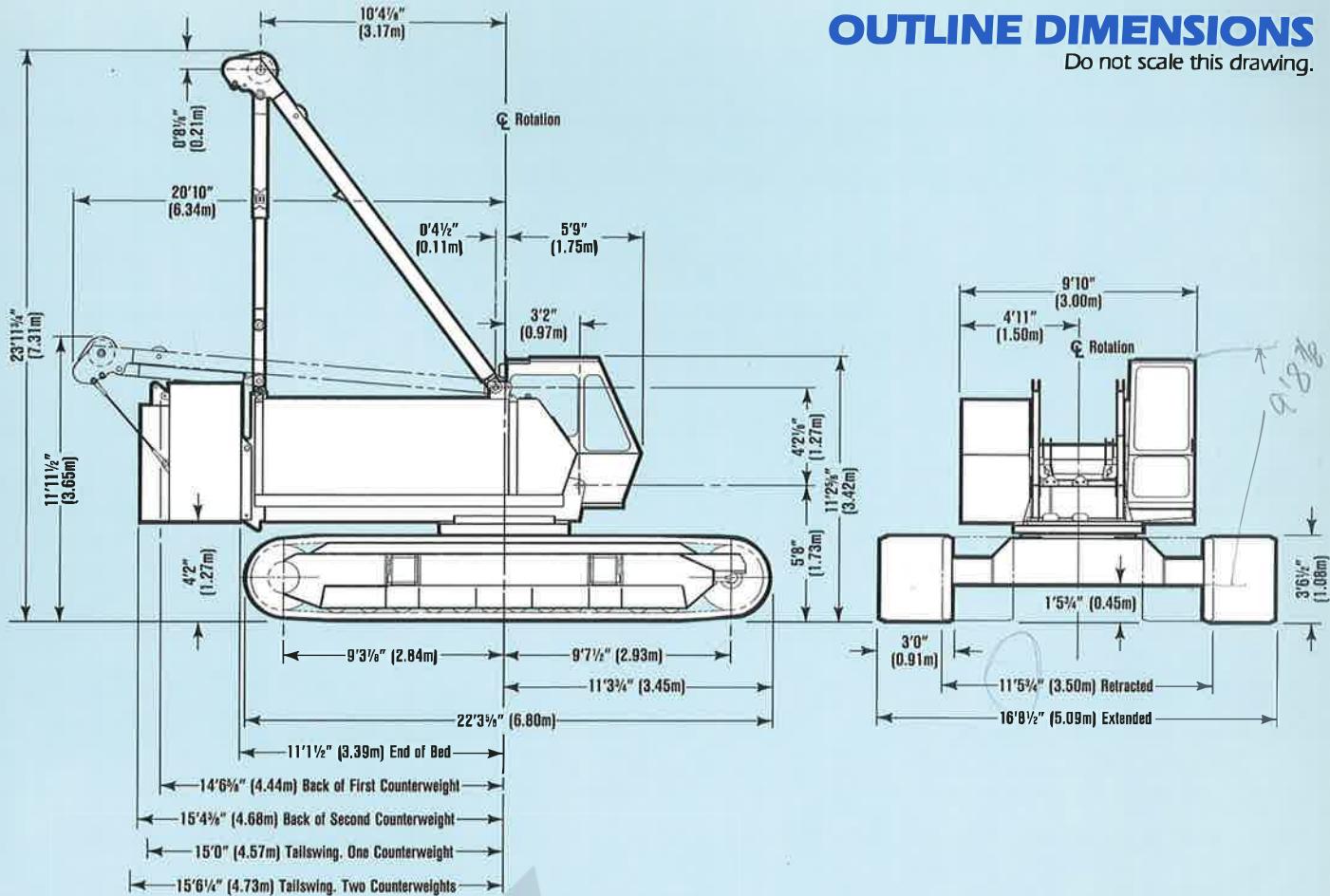


ERGONOMIC CONTROLS

M65W

# OUTLINE DIMENSIONS

Do not scale this drawing.



## WEIGHTS

**LIFTCRANE**, complete with 40' [12.20M] No. 46 boom, gantry and backhitch, boom hoist rigging and pendants, front and rear drums with load lines, swing machinery, telescopic boom stop, 22'3" (6.80M) long crawlers, 36" (914mm) wide treads, counterweight, and 75-U.S.-ton (68MT) capacity hook block.....

	Pounds	Kilograms	Pounds	Kilograms	
<b>LIFTCRANE</b> , complete with 40' [12.20M] No. 46 boom, gantry and backhitch, boom hoist rigging and pendants, front and rear drums with load lines, swing machinery, telescopic boom stop, 22'3" (6.80M) long crawlers, 36" (914mm) wide treads, counterweight, and 75-U.S.-ton (68MT) capacity hook block.....	135,630	61,510	<b>LOWERWORKS &amp; UPPERWORKS</b> , (combined) complete with crawlers, front and rear drums with load lines, boom hoist wire rope, power plant, gantry, equalizer, boom butt, and telescopic boom stop .....	89,195	40,451
<b>REMOVABLE COUNTERWEIGHT</b> , (2-piece)			<b>BOOM NO. 46</b>		
Inner .....	35,000	15,875	Butt, 21' [6.40M] .....	1,480	671
Outer .....	7,000	3,175	Top, 19' [5.79M] with lower point and wire rope guide .....	2,000	907
Total .....	42,000	19,050	<b>Inserts:</b>		
			10' [3.05M] .....	570	259
			20' [6.10M] .....	970	440
			30' [9.15M] .....	1,375	624

## POWER PLANT

Model		Cylinder	Bore	Stroke	Cubic Inch Displacement	Net HP @ RPM (at flywheel)
BASIC	Cummins 6 CT 8.3	6	4.49" (114mm)	5.31" (135mm)	504.6 (8,270cc)	210 @ 2,200

## DRUMS

Liftcrane	Clamshell	Dragline	Drum	Drum Diameter	Drum Width	Type of Drum	Spooling Capacity		
							1st Layer <sup>1</sup>	Layers <sup>2</sup>	Maximum <sup>2</sup>
Hoist Whip	Closing Holding	Drag Hoist	Front Rear	16 1/2"³ (419mm) 16 1/2"³ (419mm)	18" (457mm) 18" (457mm)	Plain³ Plain³	3/4" (19mm) 3/4" (19mm)	99' (30.2M) 99' (30.2M)	6 6
									728' (222M) 728' (222M)

<sup>1</sup>Liftcrane, clamshell, and dragline.<sup>2</sup>Liftcrane only.<sup>3</sup>Grooved lagging for clamshell and dragline.

## X-SPANDER ATTACHMENT

To enhance the M-65W's versatility, Manitowoc's optional X-SPANDER® attachment boosts the crane's capacity by 30 to 100%. When deployed, the X-SPANDER extends the crane's counterweight rearward, thereby increasing the crane's stability while maintaining its ability to swing and travel with load.

Stored conveniently in the crane's rotating bed, the X-SPANDER is always available. It's also fully self-erecting, so no assist crane is required. Deployment takes less than 10 minutes and can be handled by one man using a remote control.



## AMERICA'S MOST TRANSPORTABLE 75-TON CRAWLER CRANE

A compact, efficient design enables the M-65W to be trucked in most areas of the United States with carbody, crawlers, upperworks, gantry, boom butt, and equalizer intact. The entire crane, including X-SPANDER® attachment and maximum boom and jib, can be carried on just three trucks. Erection takes less than three hours, and can be completed without an assist crane.



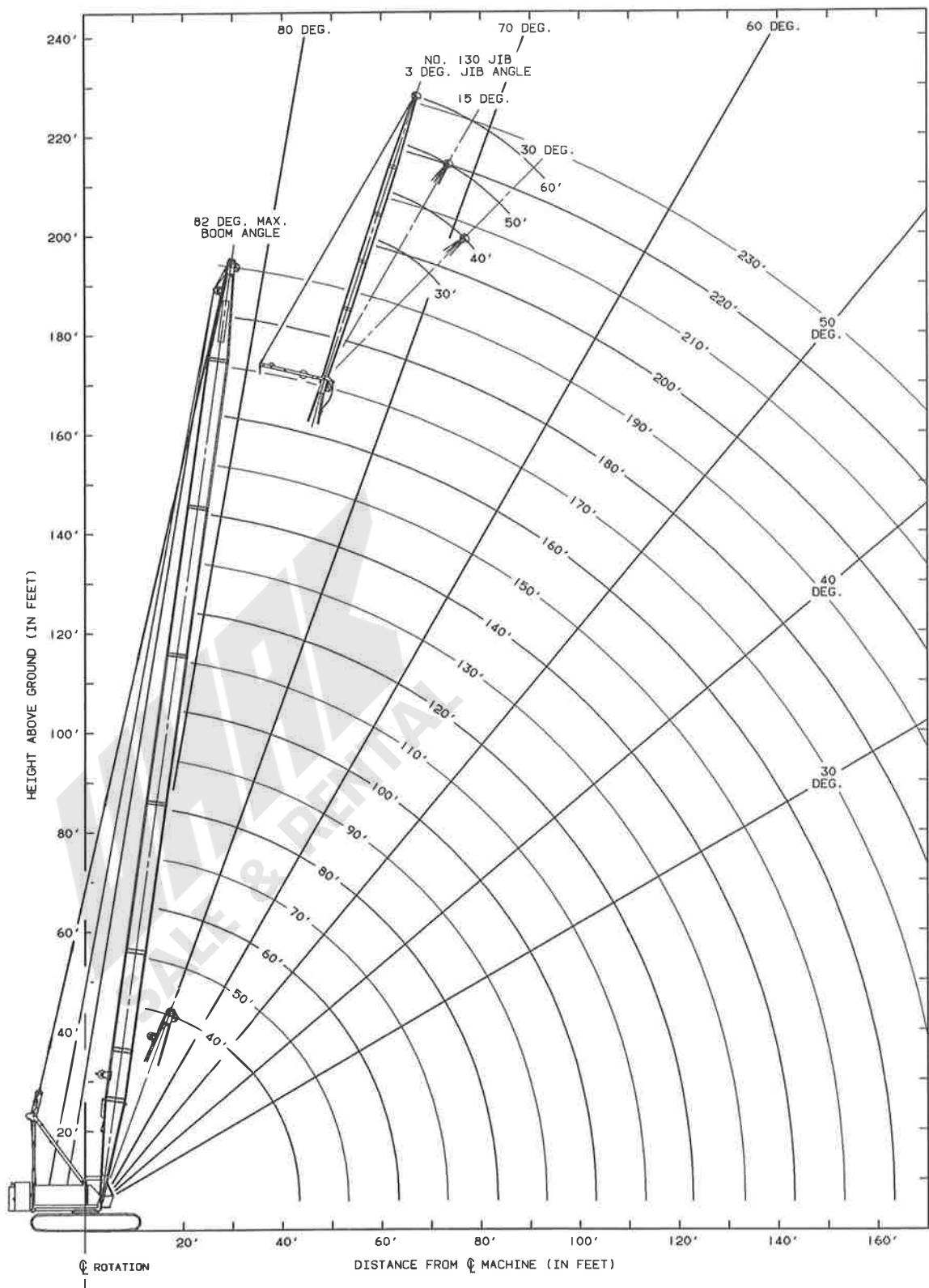
**Manitowoc M-Series**  
*...the new generation of  
liftcrane performance!*

**MANITOWOC ENGINEERING CO.**

500 South 16th Street, Manitowoc, WI 54221 USA  
Telephone: 414-684-6621 ■ Telefax: 414-683-6277

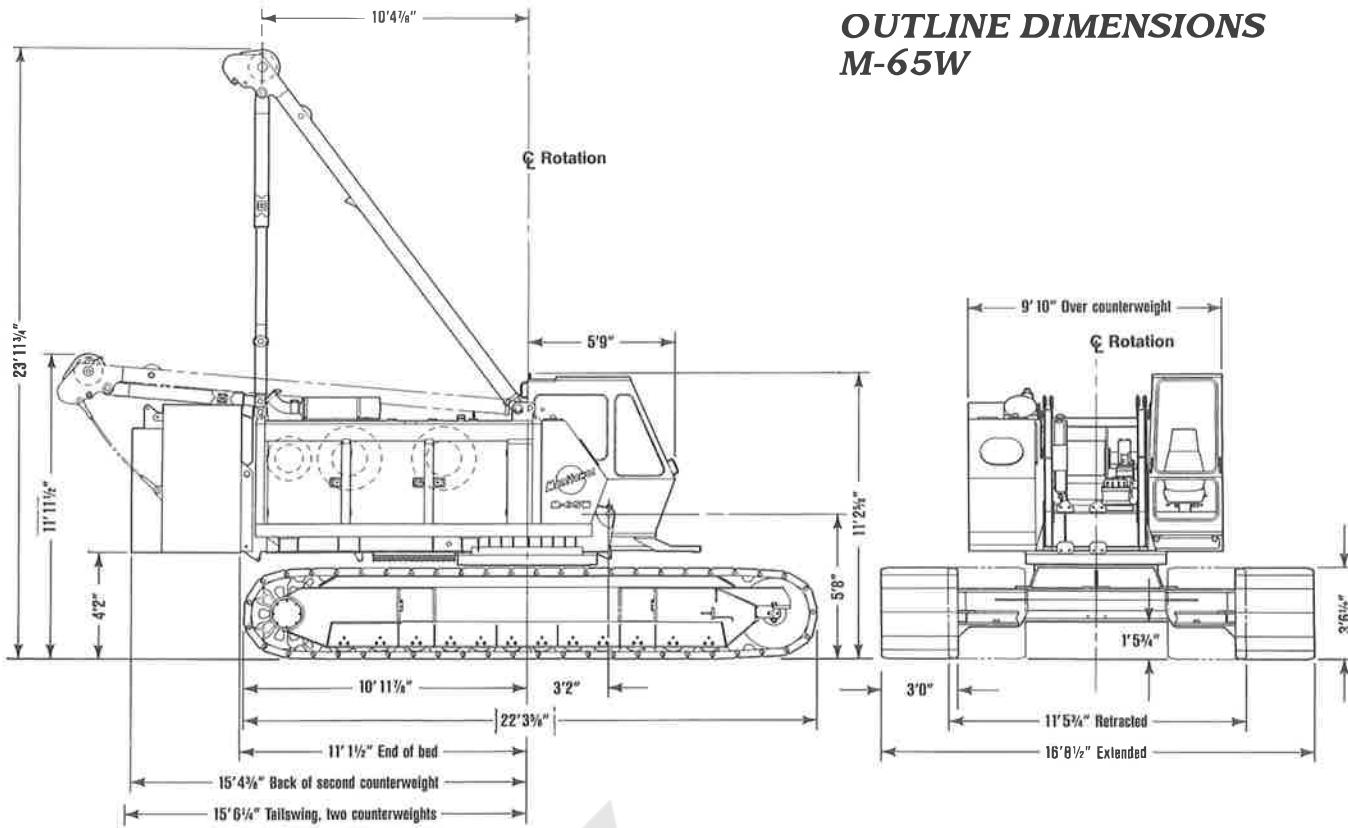
# MANITOWOC

# M-65W



**75-Ton Liftcrane ■ 15,000-Lb. Clamshell ■ 13,500-Lb. Dragline**

## OUTLINE DIMENSIONS M-65W



## SPECIFICATIONS

### BASIC MACHINE

#### Upperworks

**ROTATING BED:** Fabricated steel rotating bed is mounted on 64 3/4" diameter turntable bearing.

**DRUMS:** Basic machine is equipped with two full-width drums. Drums are 18" wide and 16 1/2" diameter. Each drum is antifriction mounted on a separate shaft and is driven independently by a fixed-displacement hydraulic motor through a reduction gear. Internal-expanding drum clutches are spring set, air released. External-contracting drum brakes are air applied, spring released. Parking brakes are spring set, air released.

**BOOM HOIST:** Rear-mounted independent two-drum boom hoist is powered by a fixed-displacement hydraulic motor coupled to a planetary reduction, and is equipped with ratchet and pawl.

**SWING SYSTEM:** Front-mounted independent swing is powered by a fixed-displacement hydraulic motor coupled to an internal brake and planetary reduction. Includes gear-segment type swing lock.

**OPERATOR'S STATION:** Fully enclosed and insulated steel module mounted to the left front corner of rotating bed. Module is equipped with sliding door, large safety glass windows on all sides and roof. Electric signal horn, cab space heater, upper front windshield wiper, dome light, and air circulating fan are standard equipment.

#### Lowerworks

**CARBODY:** Single-piece steel fabricated carbody incorporates wide wings that facilitate removal from pockets in crawler frames. Crawlers hydraulically extend to 16' 8 1/2" and hydraulically retract to 11' 5 3/4".

**CRAWLERS:** Crawler assemblies are 22' 3 5/8" long reinforced steel fabrications with 36" closed treads and sealed "low-maintenance" rollers. Each crawler is powered independently by a variable-displacement hydraulic motor driving through a planetary reduction. Crawlers provide counter-rotation capability.

**ENGINE/TRANSMISSION:** Cummins 6 CT 8.3 diesel engine rated at 210 HP at 2200 RPM provides independent power for all machine operations through the multi-hydraulic-pump transmission. Power system also includes engine block heater (120V), high silencing muffler, hydraulic oil cooler, radiator, and fan.

**CONTROLS:** Modulating electric-over-hydraulic controls provide infinite function speed response directly proportional to control movement. Selector switch permits hoisting drums to be operated in power-down (liftcrane), free-fall (excavator), or clamshell mode.

## PERFORMANCE DATA

Wire Rope Specifications					
Application	Dia.	Description	Breaking Strength	Weight	Max. Operating Length
Lift	3/4"	6 x 25 EIPS Regular Lay	58,800 Lbs.	1.04 Lbs./Ft.	714' Hoist 714' Whip 252' Auxiliary*
Clam	3/4"	6 x 25 EIPS Regular Lay	58,800 Lbs.	1.04 Lbs./Ft.	230' Closing 180' Holding
Drag	3/4"	6 x 25 EIPS Lang Lay	58,800 Lbs.	1.04 Lbs./Ft.	190' Hoist 100' Drag
Boom Hoist	9/16"	6 x 26 EIPS Alternate Lay	33,600 Lbs.	0.61 Lbs./Ft.	570'

\*Optional drum mounted on rear drum shaft for 3-drum applications. 15,000-lb. line pull.

Line Pull Vs. Line Speed* — Line Pull Infinitely Variable From 0 to 15,000 Lbs.			
Line Pull	Line Speed	Divert 1 Travel Pump	Divert 2 Travel Pumps
0 Lbs.	245 FPM	382 FPM	520 FPM
5,000 Lbs.	242 FPM	376 FPM	510 FPM
10,000 Lbs.	238 FPM	370 FPM	396 FPM
15,000 Lbs.	234 FPM	264 FPM	264 FPM

\*Chart data based on 16½" diameter smooth drum, 5th layer.

**SWING SPEED:** 3.5 RPM.

**TRAVEL SPEED:** 1.0 MPH.

**GRADEABILITY:** 30%.

**BOOM HOIST SPEED:** 190' boom, 0° to 82° — 1 minute, 27 seconds.

### LIFTCRANE ATTACHMENT

**BASIC BOOM:** The liftcrane is equipped with 40' No. 46 basic boom consisting of 21' butt and 19' top with five 20" diameter antifriction-bearing-mounted steel sheaves. Includes rope guides, boom hoist wire rope, boom angle indicator, and hook and weight ball.

Gantry with telescopic backhitch and power operated back-hitch pins.

Telescopic air-cushioned boom stop.

Automatic boom stop.

**COUNTERWEIGHT:** Two-piece removable counterweight, total 42,000 lbs., with power-operated pins and with counterweight-handling pendants.

### OPTIONAL EQUIPMENT

#### BOOM AND JIB:

10' No. 46 Boom insert with pendants  
20' No. 46 Boom insert with pendants  
30' No. 46 Boom insert with pendants  
30' No. 130 Jib with mounting parts  
10' Jib insert with pendants

### ATTACHMENTS:

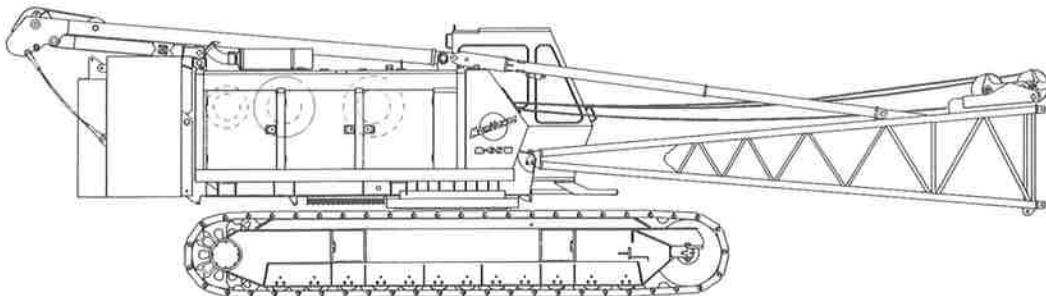
Manitowoc 75-ton five-sheave load block  
Single-sheave upper boom point (whipline)  
Pendant links for load-moment sensor pin  
Dragline fairlead  
Tagline, Rud-O-Matic No. 1248, two barrel  
Liftcrane lagging, 18" diameter, grooved for  
¾" diameter rope — front/rear  
Clamshell/dragline lagging, 18" diameter, grooved  
for ¾" diameter rope — front/rear  
Lift/clam/drag wire rope, ¾" diameter, 6x25 EIPS  
Machine preparation for X-SPANDER®  
X-SPANDER attachment  
Other attachments on request

### BASIC MACHINE OPTIONS:

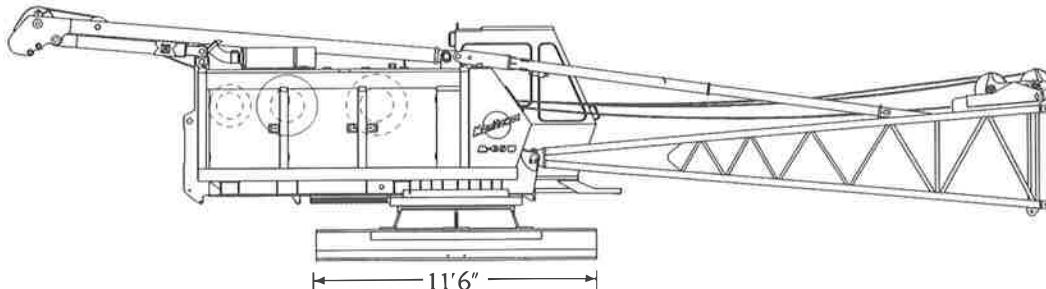
Split drum shaft assembly in place of  
single drum shaft  
Drum rotation indicators (2)  
Windshield wiper, lower front window  
Windshield wiper, roof window  
Ether starting aid  
Alcohol injector in air line  
Fire extinguisher  
Air conditioner in operator's cab  
Hydraulic third drum on front of rotating bed,  
9,700 lb. line pull  
Special paint — machinery enamel in color other than  
Manitowoc standard  
Block up limit control for load or auxiliary line  
Bail limit control for hoist drums

**SHIPPING DATA** — All dimensions Length x Width x Height

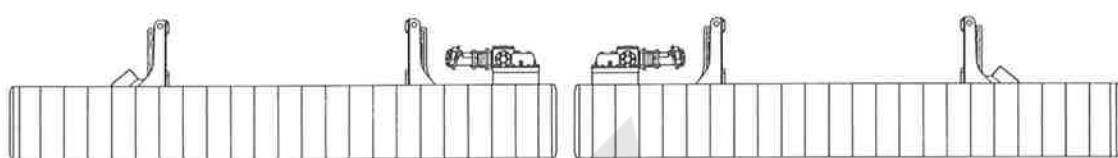
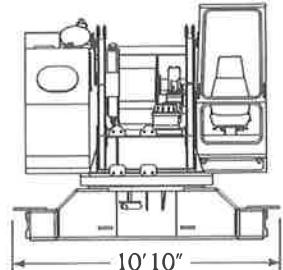
M-65W



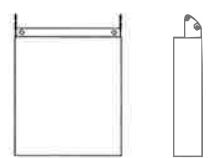
Complete liftcrane less boom top: 131,585 Lbs. 42'9" x 11'6" x 12'0"



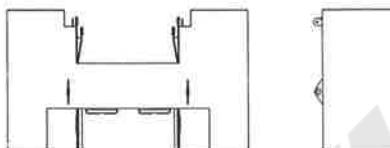
Basic machine with boom butt & gantry: 49,700 Lbs. 42'9" x 10'10" x 10'6"



Crawler frames: Each 19,750 Lbs. 22'4" x 5'9" x 3'7"



Outer counter-weight: 7,000 Lbs.  
6'0" x 4'0" x 1'2"



Inner counterweight: 35,000 Lbs.  
9'10" x 3'10" x 5'10"



Boom top: 2,000 Lbs. 24'3" x 4'4" x 4'9"

Unit	Weight (Lbs.)	Dimensions (L x W x H)
10' Boom insert	570	10'6" x 4'4" x 4'7"
20' Boom insert	970	20'6" x 4'4" x 4'7"
30' Boom insert	1,375	30'6" x 4'4" x 4'7"
30' Basic jib	1,540	Pack inside 30' boom insert
10' Jib insert	190	Pack inside 30' boom insert
75-Ton hook block with steel sheaves	1,370	5'1" x 2'1" x 2'1"
Pendant box	1,320	5'0" x 4'9" x 1'10"
Miscellaneous box, including weight ball	2,260	7'2" x 2'9" x 2'3"

**Manitowoc M-Series**  
*...the new generation of  
liftcrane performance!*

**MANITOWOC ENGINEERING CO.**

*Division of The Manitowoc Company, Inc.*

500 South 16th St. ■ Manitowoc, WI 54221-0070  
Telephone: 414-684-6621 ■ Telefax: 414-683-6277

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE CAPACITIES

**BOOM NO. 46**

**42,000 LB. COUNTERWEIGHT  
22'4" CRAWLERS EXTENDED  
360 DEGREE RATING**

MEETS  
ANSI B30.5  
REQUIREMENTS

**M-65W**

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 DENOTED BY AN ASTERISK (\*).

UPPER BOOM POINT CAPACITY FOR LIFTCRANE SERVICE WITH SINGLE PART WHIP LINE IS 15,000 LBS. IN ALL CASES, UPPER BOOM POINT CAPACITIES CANNOT EXCEED THOSE LISTED FOR THE MAIN BOOM CAPACITY.

WEIGHT OF JIB, 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.

MACHINE TO OPERATE IN A LEVEL POSITION ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH CRAWLERS FULLY EXTENDED (16'8-1/2") AND GANTRY UP. REFER TO RIGGING NO. 168744 AND WIRE ROPE SPECIFICATION CHART NO. 7523-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.

MACHINE MAY BE OPERATED IN WINDS UP TO 15 MPH PROVIDED CRANE OPERATOR JUDGMENT IS USED TO ALLOW FOR WIND EFFECT ON THE LIFTED LOAD AND OTHER CONSIDERATIONS NOTED ON THE CAPACITY CHART ARE FOLLOWED. WIND WILL HAVE A CONSIDERABLE EFFECT ON A LOAD WITH A LARGE 'SAIL AREA' AND MUST BE COMPENSATED FOR ACCORDINGLY BY REDUCING LOAD RATINGS, REDUCING OPERATING SPEEDS OR BY A COMBINATION OF BOTH. RECOMMEND STOPPING OPERATION WHEN WIND IS ABOVE 15 MPH AND TIEING OFF OR LOWERING BOOM WHEN WIND IS ABOVE 35 MPH.

MACHINE TO TRAVEL ON A FIRM, LEVEL AND UNIFORMLY SUPPORTING SURFACE AND BOOM WITHIN THE BOOM ANGLE RANGE SHOWN IN CAPACITY CHART.

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. BOOM POINT ELEVATION IS VERTICAL DISTANCE FROM GROUND LEVEL TO CENTERLINE OF BOOM POINT SHAFT.

MACHINE EQUIPPED WITH 22'4" EXTENDIBLE CRAWLERS, 36" TREADS, 17' RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, TWO 1-1/4" BOOM PENDANTS, 1ST COUNTERWEIGHT = 35,000 LBS., 2ND COUNTERWEIGHT = 7,000 LBS.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED				DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED	
OVER END OF BLOCKED CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS		JIB LGTH.	JIB NO. 130
BOOM LGTH.	JIB NO. 130	BOOM LGTH.	JIB NO. 130	JIB LGTH.	JIB NO. 130
190'	--	190'	--	30'	1,800 LBS.
180'	50'	180'	--	40'	2,200 LBS.
170'	60'	170'	40'	50'	2,600 LBS.
		160'	60'	60'	3,100 LBS.
LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START.					

CONSULT JIB CHART FOR JIB CAPACITIES.

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	POINT ELEV. FEET	CAPACITY POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	POINT ELEV. FEET	CAPACITY POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	POINT ELEV. FEET	CAPACITY POUNDS
<b>40</b>	12	78.4	44.7	150,000*	<b>50</b>	12	80.8	54.9	142,400*	<b>60</b>	13	81.4	64.9	126,900*
	13	77.0	44.4	150,000*		13	79.6	54.7	140,800*		14	80.4	64.7	125,400*
	14	75.5	44.2	150,000*		14	78.4	54.5	139,400*		15	79.4	64.5	123,900*
	15	74.0	43.9	143,300		15	77.3	54.3	138,000*		16	78.4	64.3	122,100*
	16	72.5	43.6	126,900		16	76.1	54.0	126,900		17	77.5	64.1	113,700
	17	71.0	43.2	113,900		17	74.9	53.7	113,800		18	76.5	63.8	103,000
	18	69.4	42.8	103,200		18	73.7	53.4	103,200		19	75.5	63.5	94,100
	19	67.9	42.4	94,400		19	72.5	53.1	94,300		20	74.5	63.3	86,600
	20	66.3	42.0	86,900		20	71.3	52.8	86,800		21	73.5	63.0	80,200
	21	64.7	41.5	80,400		21	70.1	52.4	80,300		22	72.5	62.6	74,600
	22	63.1	41.0	74,900		22	68.8	52.0	74,800		23	71.5	62.3	69,700
	23	61.5	40.4	70,000		23	67.6	51.6	69,900		24	70.5	61.9	65,400
	24	59.8	39.8	65,700		24	66.3	51.1	65,600		25	69.5	61.6	61,600
	25	58.1	39.2	61,900		25	65.1	50.7	61,800		26	68.4	61.2	58,200
	26	56.4	38.5	58,500		26	63.8	50.2	58,400		27	67.4	60.7	55,100
	27	54.6	37.8	55,400		27	62.5	49.6	55,300		28	66.3	60.3	52,400
	28	52.8	37.0	52,700		28	61.2	49.1	52,500		29	65.3	59.8	49,800
	29	51.0	36.2	50,200		29	59.9	48.5	50,000		30	64.2	59.3	47,500
	30	49.1	35.3	47,900		30	58.5	47.9	47,700		32	62.1	58.3	43,500
	32	45.1	33.4	43,800		32	55.7	46.5	43,700		34	59.9	57.1	40,000
	34	40.8	31.2	40,400		34	52.9	45.0	40,200		36	57.6	55.9	37,000
	36	36.0	28.5	37,400		36	49.9	43.4	37,200		38	55.3	54.5	34,500
	38	30.7	25.3	34,800		38	46.8	41.5	34,700		40	52.9	53.0	32,200
	40	24.2	21.3	32,500		40	43.5	39.5	32,400		45	46.6	48.7	27,500
						45	34.2	33.1	27,700		50	39.5	43.2	24,000
						50	21.5	23.2	24,200		55	31.0	35.9	21,200
						60	19.5	24.9	18,900					

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE CAPACITIES

**BOOM NO. 46**  
**42,000 LB. COUNTERWEIGHT**  
**22'4" CRAWLERS EXTENDED**  
**360 DEGREE RATING**

MEETS  
ANSI B30.5  
REQUIREMENTS

**M-65W**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
70	14	81.8	74.8	112,800*
	15	81.0	74.7	111,200*
	16	80.1	74.5	108,800*
	17	79.3	74.3	106,600*
	18	78.4	74.1	103,000
	19	77.6	73.9	94,100
	20	76.8	73.6	86,500
	21	75.9	73.4	80,100
	22	75.1	73.1	74,500
	23	74.2	72.8	69,600
	24	73.4	72.5	65,300
	25	72.5	72.2	61,500
	26	71.6	71.8	58,100
	27	70.8	71.5	55,000
	28	69.9	71.1	52,200
	29	69.0	70.7	49,700
	30	68.1	70.3	47,400
	32	66.4	69.5	43,300
	34	64.5	68.5	39,900
	36	62.7	67.5	36,900
80	38	60.8	66.4	34,300
	40	58.9	65.2	32,000
	45	54.0	61.8	27,400
	50	48.7	57.7	23,800
	55	42.9	52.7	21,000
	60	36.4	46.5	18,700
	65	28.6	38.5	16,800
	70	18.0	26.5	15,200
	16	81.4	84.6	99,600*
	17	80.6	84.5	97,900*
90	18	79.9	84.3	96,200*
	19	79.2	84.1	93,900
	20	78.5	83.9	86,400
	21	77.7	83.7	79,900
	22	77.0	83.4	74,300
	23	76.2	83.2	69,500
	24	75.5	82.9	65,100
	25	74.8	82.6	61,300
	26	74.0	82.3	57,900
	27	73.3	82.0	54,800
110	28	72.5	81.7	52,000
	29	71.8	81.4	49,500
	30	71.0	81.0	47,200
	32	69.5	80.3	43,100
	34	67.9	79.5	39,700
	36	66.4	78.6	36,700
	38	64.8	77.7	34,100
	40	63.2	76.7	31,800
	45	59.1	73.9	27,200
	50	54.8	70.5	23,600
120	55	50.2	66.6	20,800
	60	45.3	62.0	18,500
	65	40.0	56.4	16,600
	70	33.9	49.6	15,000
	75	26.7	40.9	13,600
	80	16.8	28.0	12,500
	17	81.7	94.6	87,200*
	18	81.0	94.4	85,700*
	19	80.4	94.3	84,300*
	20	79.8	94.1	83,000*
130	21	79.1	93.9	79,900
	22	78.5	93.7	74,300
	23	77.8	93.5	69,400
	24	77.1	93.2	65,100
	25	76.5	93.0	61,200
	26	75.8	92.7	57,800
	27	75.2	92.5	54,700
	28	74.5	92.2	51,900
	29	73.9	91.9	49,400
	30	73.2	91.6	47,100
140	32	71.8	90.9	43,000
	34	70.5	90.2	39,600
	40	70.9	109.3	31,300
	45	68.1	107.4	26,600
	50	65.2	105.2	23,100
150	55	62.3	102.7	20,200
	60	59.3	99.9	17,900
	65	56.2	96.6	16,000
	70	53.0	93.0	14,400
	75	49.7	89.0	13,100
160	80	46.1	84.4	11,900
	85	42.4	79.2	10,900
	90	38.3	73.2	10,000
	95	33.8	66.2	9,200
	100	28.8	57.9	8,500
170	105	22.7	47.3	7,800

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE CAPACITIES

BOOM NO. 46

42,000 LB. COUNTERWEIGHT

22'4" CRAWLERS EXTENDED

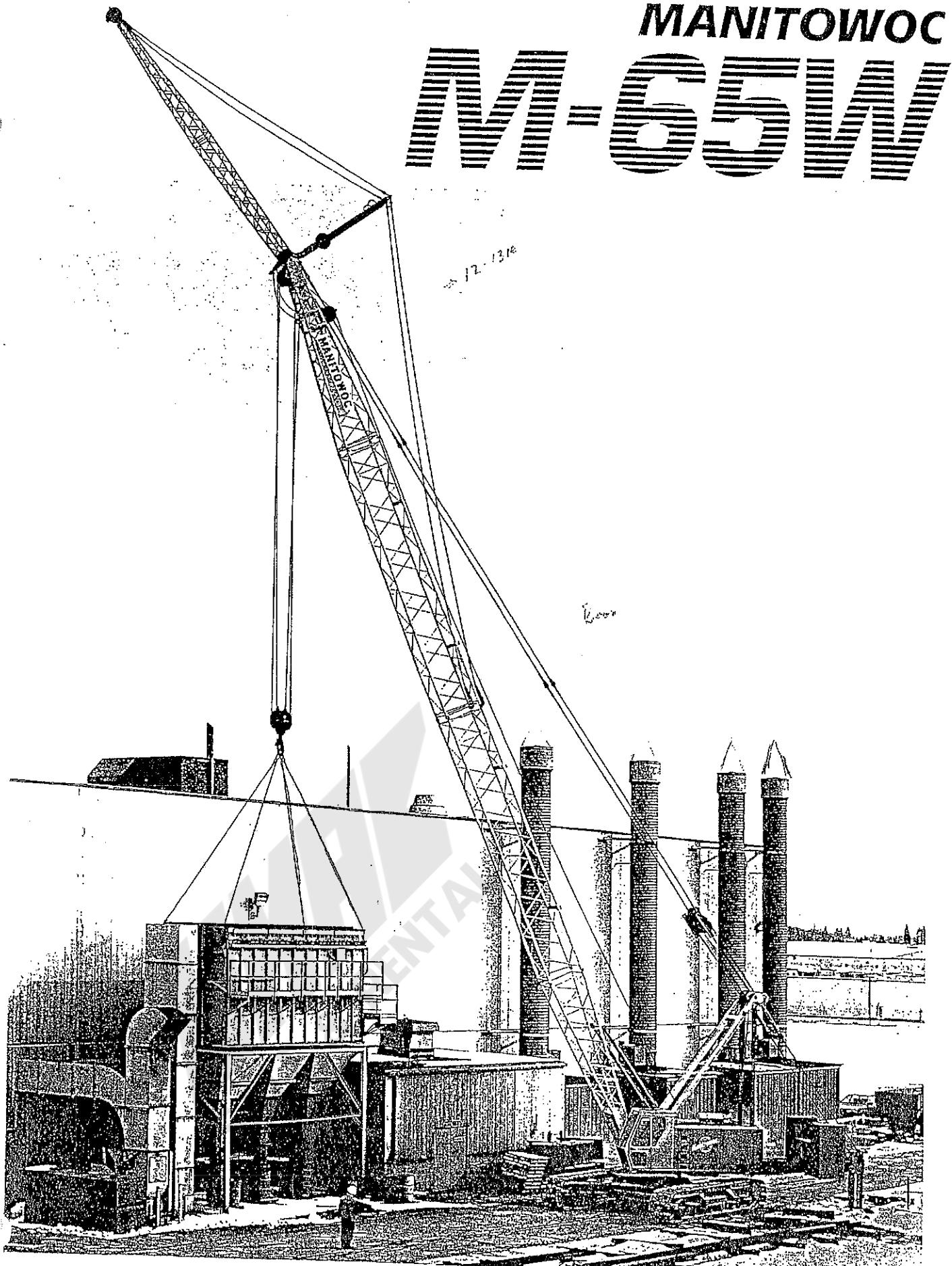
360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
140	24	81.8	144.1	48,200*	160	27	81.7	163.9	35,000*	180	30	81.7	183.7	25,800*
	25	81.4	144.0	47,800*		28	81.4	163.7	34,900*		32	81.0	183.3	25,600*
	26	81.0	143.8	47,300*		29	81.0	163.6	34,900*		34	80.4	183.0	25,500*
	27	80.5	143.6	46,800*		30	80.6	163.4	34,800*		36	79.8	182.6	25,300*
	28	80.1	143.4	46,300*		32	79.9	163.0	34,600*		38	79.1	182.3	25,000*
	29	79.7	143.3	45,800*		34	79.2	162.7	34,400*		40	78.5	181.9	24,600*
	30	79.3	143.1	45,300*		36	78.5	162.3	34,200*		45	76.8	180.7	23,700*
	32	78.5	142.7	42,100		38	77.7	161.8	32,700		50	75.2	179.5	21,800
	34	77.6	142.2	38,700		40	77.0	161.4	30,500		55	73.5	178.0	19,000
	36	76.8	141.8	35,700		45	75.1	160.1	25,800		60	71.9	176.5	16,600
	38	75.9	141.3	33,100		50	73.3	158.7	22,200		65	70.2	174.7	14,700
	40	75.1	140.7	30,800		55	71.4	157.0	19,300		70	68.5	172.8	13,100
	45	73.0	139.3	26,100		60	69.5	155.2	17,000		75	66.7	170.7	11,800
	50	70.8	137.6	22,500		65	67.6	153.2	15,100		80	65.0	168.4	10,600
	55	68.6	135.7	19,700		70	65.6	151.0	13,500		85	63.2	166.0	9,500
	60	66.4	133.6	17,400		75	63.6	148.6	12,100		90	61.4	163.3	8,600
	65	64.1	131.3	15,500		80	61.6	146.0	11,000		95	59.6	160.5	7,800
	70	61.8	128.7	13,900		85	59.5	143.2	9,900		100	57.7	157.4	7,100
	75	59.5	125.8	12,500		90	57.4	140.1	9,000		105	55.8	154.1	6,500
	80	57.1	122.7	11,300		95	55.3	136.7	8,200		110	53.9	150.5	5,900
	85	54.6	119.3	10,300		100	53.1	133.0	7,500		115	51.9	146.7	5,400
	90	52.0	115.5	9,400		105	50.8	129.1	6,900		120	49.8	142.6	4,900
	95	49.4	111.3	8,600		110	48.4	124.8	6,300		125	47.7	138.2	4,400
	100	46.6	106.8	7,900		115	46.0	120.1	5,800		130	45.5	133.4	4,000
	105	43.7	101.7	7,200		120	43.4	115.0	5,300		135	43.2	128.2	3,700
	110	40.6	96.2	6,600		125	40.7	109.4	4,800		140	40.8	122.6	3,300
	115	37.3	89.9	6,100		130	37.9	103.2	4,400		145	38.3	116.5	3,000
	120	33.8	82.8	5,600	170	135	34.8	96.3	4,100	190	32	81.5	193.5	22,300*
	125	29.9	74.6	5,200		140	31.5	88.6	3,700		34	80.9	193.1	22,100*
	130	25.4	64.9	4,800		145	27.9	79.7	3,400		36	80.3	192.8	21,800*
	135	20.0	52.8	4,400		150	23.7	69.2	3,100		38	79.7	192.4	21,400*
	25	81.9	154.1	40,900*		29	81.5	173.7	30,100*		40	79.1	192.1	21,100*
	26	81.6	153.9	40,800*		30	81.2	173.5	30,000*		45	77.5	191.0	20,200*
	27	81.2	153.8	40,700*		32	80.5	173.2	29,900*		50	76.0	189.8	19,400*
	28	80.8	153.6	40,600*		34	79.8	172.8	29,700*		55	74.4	188.5	18,700*
	29	80.4	153.4	40,500*		36	79.1	172.5	29,500*		60	72.8	187.0	16,400
	30	80.0	153.2	40,400*		38	78.5	172.1	29,300*		65	71.3	185.3	14,500
	32	79.2	152.9	39,800*		40	77.8	171.6	29,100*		70	69.7	183.5	12,900
	34	78.5	152.5	38,500		45	76.0	170.4	25,500		75	68.0	181.6	11,500
	36	77.7	152.0	35,500		50	74.3	169.1	21,900		80	66.4	179.4	10,400
	38	76.9	151.6	32,900		55	72.5	167.6	19,100		85	64.7	177.1	9,300
	40	76.1	151.1	30,600		60	70.8	165.9	16,800		90	63.1	174.7	8,400
	45	74.1	149.7	26,000		65	69.0	164.0	14,900		95	61.3	172.0	7,600
	50	72.1	148.2	22,400		70	67.1	162.0	13,300		100	59.6	169.1	6,900
	55	70.1	146.4	19,500		75	65.3	159.7	11,900		105	57.8	166.1	6,300
	60	68.1	144.5	17,200		80	63.4	157.3	10,700		110	56.0	162.8	5,700
	65	66.0	142.3	15,300		85	61.5	154.7	9,700		115	54.2	159.3	5,100
	70	63.9	140.0	13,700		90	59.6	151.8	8,800		120	52.3	155.5	4,700
	75	61.7	137.4	12,300		95	57.6	148.7	8,000		125	50.4	151.5	4,200
	80	59.5	134.5	11,200		100	55.6	145.4	7,300		130	48.4	147.1	3,800
	85	57.3	131.4	10,100		105	53.5	141.8	6,600		135	46.3	142.5	3,400
	90	54.9	128.0	9,200		110	51.3	137.9	6,000		140	44.2	137.5	3,100
	95	52.6	124.3	8,400		115	49.1	133.7	5,500		115	49.1	133.7	5,500
	100	50.1	120.2	7,700		120	46.9	129.2	5,000		125	44.5	124.2	4,600
	105	47.6	115.8	7,100		125	44.5	124.2	4,600		130	42.0	118.9	4,200
	110	44.9	111.0	6,500		130	42.0	118.9	4,200		135	39.4	113.0	3,800
	115	42.1	105.6	6,000		135	36.7	106.5	3,500		140	33.7	99.4	3,200
	120	39.2	99.7	5,500		145	33.7	99.4	3,200					
	125	36.0	93.2	5,000										
	130	32.6	85.8	4,600										
	135	28.8	77.2	4,300										
	140	24.5	67.1	3,900										
	145	19.3	54.5	3,600										





MANITOWOC  
**M-65W**

75-Ton Liftcrane ■ 15,000-Lb. Clamshell ■ 13,500-Lb. Dragline

# MANITOWOC ENGINEERING CO.

Division of The Manitowoc Company, Inc. Manitowoc, Wisconsin

USE ONLY AND MUST NOT BE USED FOR  
SPECIFY SERIAL NUMBER & NAME.  
SERIAL NUMBER  
CHARTS FOR A SPECIFIC CRANE CAN  
PURCHASED FROM AN AUTHORIZED  
MANITOWOC DISTRIBUTOR

*Manitowoc*

## LIFTCRANE CAPACITIES

BOOM NO. 46

42,000 LB. COUNTERWEIGHT  
22'4" CRAWLERS EXTENDED  
360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

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 DENOTED BY AN ASTERISK (\*).

UPPER BOOM POINT CAPACITY FOR LIFTCRANE SERVICE WITH SINGLE PART WHIP LINE IS 15,000 LBS. IN ALL CASES, UPPER BOOM POINT CAPACITIES CANNOT EXCEED THOSE LISTED FOR THE MAIN BOOM CAPACITY.

WEIGHT OF JIB, 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.

MACHINE TO OPERATE IN A LEVEL POSITION ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH CRAWLERS FULLY EXTENDED (16'8-1/2") AND GANTRY UP. REFER TO RIGGING NO. 168744 AND WIRE ROPE SPECIFICATION CHART NO. 7523-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.

MACHINE MAY BE OPERATED IN WINDS UP TO 15 MPH PROVIDED CRANE OPERATOR JUDGMENT IS USED TO ALLOW FOR WIND EFFECT ON THE LIFTED LOAD AND OTHER CONSIDERATIONS NOTED ON THE CAPACITY CHART ARE FOLLOWED. WIND WILL HAVE A CONSIDERABLE EFFECT ON A LOAD WITH A LARGE 'SAIL AREA' AND MUST BE COMPENSATED FOR ACCORDINGLY BY REDUCING LOAD RATINGS, REDUCING OPERATING SPEEDS OR BY A COMBINATION OF BOTH. RECOMMEND STOPPING OPERATION WHEN WIND IS ABOVE 15 MPH AND TIEING OFF OR LOWERING BOOM WHEN WIND IS ABOVE 35 MPH.

MACHINE TO TRAVEL ON A FIRM, LEVEL AND UNIFORMLY SUPPORTING SURFACE AND BOOM WITHIN THE BOOM ANGLE RANGE SHOWN IN CAPACITY CHART.

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. BOOM POINT ELEVATION IS VERTICAL DISTANCE FROM GROUND LEVEL TO CENTERLINE OF BOOM POINT SHAFT.

MACHINE EQUIPPED WITH 22'4" EXTENDIBLE CRAWLERS, 36" TREADS, 17' RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, TWO 1-1/4" BOOM PENDANTS, 1ST COUNTERWEIGHT = 35,000 LBS., 2ND COUNTERWEIGHT = 7,000 LBS.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED				DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED	
OVER END OF BLOCKED CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS		JIB LGTH.	JIB NO. 130
BOOM LGTH.	JIB NO. 130	BOOM LGTH.	JIB NO. 130	JIB LGTH.	JIB NO. 130
190'	---	190'	---	30'	1,800 LBS.
180'	50'	180'	---	40'	2,200 LBS.
170'	60'	170'	40'	50'	2,600 LBS.
		160'	60'	60'	3,100 LBS.
LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START.					

CONSULT JIB CHART FOR JIB CAPACITIES.

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM POINT ANG. DEG.	ELEV. FEET	CAPACITY POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM POINT ANG. DEG.	ELEV. FEET	CAPACITY POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM POINT ANG. DEG.	ELEV. FEET	CAPACITY POUNDS
	12	78.4	44.7	150,000*		12	80.8	54.9	142,400*		13	81.4	64.9	126,900*
	13	77.0	44.4	150,000*		13	79.6	54.7	140,800		14	80.4	64.7	125,400*
	14	75.5	44.2	150,000*		14	78.4	54.5	139,400*		15	79.4	64.5	123,900*
	15	74.0	43.9	143,300		15	77.3	54.3	138,000*		16	78.4	64.3	122,100*
	16	72.5	43.6	126,900		16	76.1	54.0	126,900		17	77.5	64.1	113,700
40	17	71.0	43.2	113,900		17	74.9	53.7	113,800		18	76.5	63.8	103,000
	18	69.4	42.8	103,200		18	73.7	53.4	103,200		19	75.5	63.5	94,100
	19	67.9	42.4	94,400		19	72.5	53.1	94,300		20	74.5	63.3	86,600
	20	66.3	42.0	86,900		20	71.3	52.8	86,800		21	73.5	63.0	80,200
	21	64.7	41.5	80,400		21	70.1	52.4	80,300		22	72.5	62.6	74,600
	22	63.1	41.0	74,900		22	68.8	52.0	74,800		23	71.5	62.3	69,700
	23	61.5	40.4	70,000		23	67.6	51.6	69,900		24	70.5	61.9	65,400
	24	59.8	39.8	65,700		24	66.3	51.1	65,600		25	69.5	61.6	61,600
	25	58.1	39.2	61,900		25	65.1	50.7	61,800		26	68.4	61.2	58,200
	26	56.4	38.5	58,500		26	63.8	50.2	58,400		27	67.4	60.7	55,100
50	27	54.6	37.8	55,400		27	62.5	49.6	55,300		28	66.3	60.3	52,400
	28	52.8	37.0	52,700		28	61.2	49.1	52,500		29	65.3	59.8	49,800
	29	51.0	36.2	50,200		29	59.9	48.5	50,000		30	64.2	59.3	47,500
	30	49.1	35.3	47,900		30	58.5	47.9	47,700		32	62.1	58.3	43,500
	32	45.1	33.4	43,800		32	55.7	46.5	43,700		34	59.9	57.1	40,000
	34	40.8	31.2	40,400		34	52.9	45.0	40,200		36	57.6	55.9	37,000
	36	36.0	28.5	37,400		36	49.9	43.4	37,200		38	55.3	54.5	34,500
	38	30.7	25.3	34,800		38	46.8	41.5	34,700		40	52.9	53.0	32,200
	40	24.2	21.3	32,500		40	43.5	39.5	32,400		45	46.6	48.7	27,500
						45	34.2	33.1	27,700		50	39.5	43.2	24,000
						50	21.5	23.2	24,200		55	31.0	35.9	21,200
						60	19.5	24.9	18,900					

# MANITOWOC ENGINEERING CO.

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



## LEFTCRANE CAPACITIES

OM NO. 46

42,000 LB. COUNTERWEIGHT  
22'4" CRAWLERS EXTENDED  
360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT FEET	CAPACITY POUNDS
14	81.8	74.8	112,800*	
15	81.0	74.7	111,200*	
16	80.1	74.5	108,800*	
17	79.3	74.3	106,600*	
18	78.4	74.1	103,000	
19	77.6	73.9	94,100	
20	76.8	73.6	86,500	
21	75.9	73.4	80,100	
22	75.1	73.1	74,500	
23	74.2	72.8	69,600	
24	73.4	72.5	65,300	
25	72.5	72.2	61,500	
26	71.6	71.8	58,100	
27	70.8	71.5	55,000	
28	69.9	71.1	52,200	
29	69.0	70.7	49,700	
30	68.1	70.3	47,400	
32	66.4	69.5	43,300	
34	64.5	68.5	39,900	
36	62.7	67.5	36,900	
38	60.8	66.4	34,300	
40	58.9	65.2	32,000	
45	54.0	61.8	27,400	
50	48.7	57.7	23,800	
55	42.9	52.7	21,000	
60	36.4	46.5	18,700	
65	28.6	38.5	16,800	
70	18.0	26.5	15,200	
16	81.4	84.6	99,600*	
17	80.6	84.5	97,900*	
18	79.9	84.3	96,200*	
19	79.2	84.1	93,900	
20	78.5	83.9	86,400	
21	77.7	83.7	79,900	
22	77.0	83.4	74,300	
23	76.2	83.2	69,500	
24	75.5	82.9	65,100	
25	74.8	82.6	61,300	
26	74.0	82.3	57,900	
27	73.3	82.0	54,800	
28	72.5	81.7	52,000	
29	71.8	81.4	49,500	
30	71.0	81.0	47,200	
32	69.5	80.3	43,100	
34	67.9	79.5	39,700	
36	66.4	78.6	36,700	
38	64.8	77.7	34,100	
40	63.2	76.7	31,800	
45	59.1	73.9	27,200	
50	54.8	70.5	23,600	
55	50.2	66.6	20,800	
60	45.3	62.0	18,500	
65	40.0	56.4	16,600	
70	33.9	49.6	15,000	
75	26.7	40.9	13,600	
80	16.8	28.0	12,500	
17	81.7	94.6	87,200*	
18	81.0	94.4	85,700*	
19	80.4	94.3	84,300*	
20	79.8	94.1	83,000*	
21	79.1	93.9	79,900	
22	78.5	93.7	74,300	
23	77.8	93.5	69,400	
24	77.1	93.2	65,100	
25	76.5	93.0	61,200	
26	75.8	92.7	57,800	
27	75.2	92.5	54,700	
28	74.5	92.2	51,900	
29	73.9	91.9	49,400	
30	73.2	91.6	47,100	
32	71.8	90.9	43,000	
34	70.5	90.2	39,600	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT FEET	CAPACITY POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT FEET	CAPACITY POUNDS
36	69.1	89.5	36,600		21	81.9	124.3	61,300*	
38	67.8	88.7	34,000		22	81.4	124.2	60,600*	
40	66.4	87.8	31,700		23	80.9	124.0	59,900*	
45	62.8	85.4	27,100		24	80.4	123.8	59,200*	
50	59.2	82.5	23,500		25	79.9	123.7	58,500*	
55	55.4	79.2	20,700		26	79.4	123.5	57,300	
60	51.4	75.5	18,400		27	78.9	123.3	54,300	
65	47.1	71.1	16,500		28	78.5	123.1	51,500	
70	42.6	65.9	14,900		29	78.0	122.9	48,900	
75	37.6	59.5	13,500		30	77.5	122.6	46,600	
80	31.9	52.5	12,300		32	76.5	122.2	42,500	
85	25.1	43.1	11,300		34	75.5	121.6	39,000	
90	15.8	29.3	10,400		36	74.5	121.1	36,100	
18	81.9	104.6	77,400*		38	73.5	120.5	33,400	
19	81.4	104.4	76,300*		40	72.5	119.9	31,200	
20	80.8	104.2	75,200*		45	70.0	118.1	26,500	
21	80.2	104.1	74,100*		50	67.4	116.2	22,900	
22	79.6	103.9	73,000*		55	64.8	113.9	20,100	
23	79.0	103.7	69,200		60	62.1	111.4	17,800	
24	78.5	103.5	64,900		65	59.4	108.5	15,900	
25	77.9	103.3	61,100		70	56.6	105.3	14,300	
26	77.3	103.0	57,700		75	53.6	101.8	12,900	
27	76.7	102.8	54,600		80	50.6	97.8	11,700	
28	76.1	102.5	51,800		85	47.4	93.4	10,700	
29	75.5	102.3	49,300		90	44.0	88.5	9,800	
30	74.9	102.0	46,900		95	40.5	82.9	9,000	
32	73.7	101.4	42,900		100	36.6	76.5	8,300	
34	72.5	100.8	39,400		105	32.3	69.2	7,700	
36	71.3	100.1	36,400		110	27.5	60.3	7,100	
38	70.1	99.4	33,800		115	21.7	49.2	6,600	
40	68.9	98.6	31,500						
45	65.7	96.5	26,900		22	82.0	134.3	54,300*	
50	62.6	94.0	23,300		23	81.6	134.1	53,700*	
55	59.3	91.2	20,500		24	81.1	134.0	53,200*	
60	55.8	88.0	18,200		25	80.7	133.8	52,600*	
65	52.3	84.3	16,300		26	80.3	133.6	52,100*	
70	48.5	80.1	14,700		27	79.8	133.5	51,500*	
75	44.6	75.2	13,300		28	79.4	133.3	50,900*	
80	40.3	69.7	12,200		29	78.9	133.1	48,800	
85	35.6	63.1	11,100		30	78.5	132.9	46,400	
90	30.2	55.3	10,200		32	77.6	132.4	42,400	
95	23.8	45.3	9,400		34	76.6	132.0	38,900	
20	81.6	114.4	69,000*		36	75.7	131.5	35,900	
21	81.1	114.2	68,000*		38	74.8	130.9	33,300	
22	80.6	114.0	67,100*		40	73.9	130.3	31,000	
23	80.0	113.9	66,100*		45	71.6	128.8	26,300	
24	79.5	113.7	64,700		50	69.3	126.9	22,700	
25	79.0	113.5	60,900		55	66.9	124.9	19,900	
26	78.5	113.3	57,500		60	64.4	122.6	17,600	
27	77.9	113.1	54,400		65	62.0	120.0	15,700	
28	77.4	112.8	51,600		70	59.4	117.2	14,100	
29	76.9	112.6	49,000						
30	76.3	112.3	46,700		75	56.8	114.0	12,700	
32	75.2	111.8	42,700		80	54.1	110.5	11,600	
34	74.2	111.3	39,200		85	51.4	106.7	10,500	
36	73.1	110.7	36,200		90	48.5	102.4	9,600	
38	72.0	110.0	33,600		95	45.4	97.7	8,800	
40	70.9	109.3	31,300		100	42.2	92.4	8,100	
45	68.1	107.4	26,600		105	38.8	86.5	7,500	
50	65.2	105.2	23,100		110	35.1	79.7	6,900	
55	62.3	102.7	20,200		115	31.0	72.0	6,400	
60	59.3	99.9	17,900		120	26.4	62.7	5,900	
65	56.2	96.6	16,000		125	20.8	51.0	5,400	
70	53.0	93.0	14,400						
75	49.7	89.0	13,100						
80	46.1	84.4	11,900						
85	42.4	79.2	10,900						
90	38.3	73.2	10,000						
95	33.8	66.2	9,200						
100	28.8	57.9	8,500						
105	22.7	47.3	7,800						

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE CAPACITIES

BOOM NO. 46

42,000 LB. COUNTERWEIGHT

22'4" CRAWLERS EXTENDED

360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM POINT ANG. DEG.	ELEV. FEET	CAPACITY POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM POINT ANG. DEG.	ELEV. FEET	CAPACITY POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM POINT ANG. DEG.	ELEV. FEET	CAPACITY POUNDS
24	81.8	144.1	48,200*		27	81.7	163.9	35,000*		30	81.7	183.7	25,800*	
25	81.4	144.0	47,800*		28	81.4	163.7	34,900*		32	81.0	183.3	25,600*	
26	81.0	143.8	47,300*		29	81.0	163.6	34,900*		34	80.4	183.0	25,500*	
27	80.5	143.6	46,800*		30	80.6	163.4	34,800*		36	79.8	182.6	25,300*	
28	80.1	143.4	46,300*		32	79.9	163.0	34,600*		38	79.1	182.3	25,000*	
29	79.7	143.3	45,800*		34	79.2	162.7	34,400*		40	78.5	181.9	24,600*	
30	79.3	143.1	45,300*		36	78.5	162.3	34,200*		45	76.8	180.7	23,700*	
32	78.5	142.7	42,100		38	77.7	161.8	32,700		50	75.2	179.5	21,800	
34	77.6	142.2	38,700		40	77.0	161.4	30,500*		55	73.5	178.0	19,000	
36	76.8	141.8	35,700		45	75.1	160.1	25,800		60	71.9	176.5	16,600	
38	75.9	141.3	33,100		50	73.3	158.7	22,200		65	70.2	174.7	14,700	
40	75.1	140.7	30,800		55	71.4	157.0	19,300		70	68.5	172.8	13,100	
45	73.0	139.3	26,100		60	69.5	155.2	17,000		75	66.7	170.7	11,800	
50	70.8	137.6	22,500		65	67.6	153.2	15,100		80	65.0	168.4	10,600	
55	68.6	135.7	19,700		70	65.6	151.0	13,500		85	63.2	166.0	9,500	
60	66.4	133.6	17,400		75	63.6	148.6	12,100		90	61.4	163.3	8,600	
65	64.1	131.3	15,500		80	61.6	146.0	11,000		95	59.6	160.5	7,800	
70	61.8	128.7	13,900		85	59.5	143.2	9,900		100	57.7	157.4	7,100	
75	59.5	125.8	12,500		90	57.4	140.1	9,000		105	55.8	154.1	6,500	
80	57.1	122.7	11,300		95	55.3	136.7	8,200		110	53.9	150.5	5,900	
85	54.6	119.3	10,300		100	53.1	133.0	7,500		115	51.9	146.7	5,400	
90	52.0	115.5	9,400		105	50.8	129.1	6,900		120	49.8	142.6	4,900	
95	49.4	111.3	8,600		110	48.4	124.8	6,300		125	47.7	138.2	4,400	
100	46.6	106.8	7,900		115	46.0	120.1	5,800		130	45.5	133.4	4,000	
105	43.7	101.7	7,200		120	43.4	115.0	5,300		135	43.2	128.2	3,700	
110	40.6	96.2	6,600		125	40.7	109.4	4,800		140	40.8	122.6	3,300	
115	37.3	89.9	6,100		130	37.9	103.2	4,400		145	38.3	116.5	3,000	
120	33.8	82.8	5,600		135	34.8	96.3	4,100						
125	29.9	74.6	5,200		140	31.5	88.6	3,700						
130	25.4	64.9	4,800		145	27.9	79.7	3,400						
135	20.0	52.8	4,400		150	23.7	69.2	3,100						
25	81.9	154.1	40,900*		29	81.5	173.7	30,100*		32	81.5	193.5	22,300*	
26	81.6	153.9	40,800*		30	81.2	173.5	30,000*		34	80.9	193.1	22,100*	
27	81.2	153.8	40,700*		32	80.5	173.2	29,900*		36	80.3	192.8	21,800*	
28	80.8	153.6	40,600*		34	79.8	172.8	29,700*		38	79.7	192.4	21,400*	
29	80.4	153.4	40,500*		36	79.1	172.5	29,500*		40	79.1	192.1	21,100*	
30	80.0	153.2	40,400*		38	78.5	172.1	29,300*		45	77.5	191.0	20,200*	
32	79.2	152.9	39,800*		40	77.8	171.6	29,100*		50	76.0	189.8	19,400*	
34	78.5	152.5	38,500		45	76.0	170.4	25,500		55	74.4	188.5	18,700*	
36	77.7	152.0	35,500		50	74.3	169.1	21,900		60	72.8	187.0	16,400	
38	76.9	151.6	32,900		55	72.5	167.6	19,100		65	71.3	185.3	14,500	
40	76.1	151.1	30,600		60	70.8	165.9	16,800		70	69.7	183.5	12,900	
45	74.1	149.7	26,000		65	69.0	164.0	14,900		75	68.0	181.6	11,500	
50	72.1	148.2	22,400		70	67.1	162.0	13,300		80	66.4	179.4	10,400	
55	70.1	146.4	19,500		75	65.3	159.7	11,900		85	64.7	177.1	9,300	
60	68.1	144.5	17,200		80	63.4	157.3	10,700		90	63.1	174.7	8,400	
65	66.0	142.3	15,300		85	61.5	154.7	9,700		95	61.3	172.0	7,600	
70	63.9	140.0	13,700		90	59.6	151.8	8,800		100	59.6	169.1	6,900	
75	61.7	137.4	12,300		95	57.6	148.7	8,000		105	57.8	166.1	6,300	
80	59.5	134.5	11,200		100	55.6	145.4	7,300		110	56.0	162.8	5,700	
85	57.3	131.4	10,100		105	53.5	141.8	6,600		115	54.2	159.3	5,100	
90	54.9	128.0	9,200		110	51.3	137.9	6,000		120	52.3	155.5	4,700	
95	52.6	124.3	8,400		115	49.1	133.7	5,500		125	50.4	151.5	4,200	
100	50.1	120.2	7,700		120	46.9	129.2	5,000		130	48.4	147.1	3,800	
105	47.6	115.8	7,100		125	44.5	124.2	4,600		135	46.3	142.5	3,400	
110	44.9	111.0	6,500		130	42.0	118.9	4,200		140	44.2	137.5	3,100	
115	42.1	105.6	6,000		135	39.4	113.0	3,800						
120	39.2	99.7	5,500		140	36.7	106.5	3,500						
125	36.0	93.2	5,000		145	33.7	99.4	3,200						
130	32.6	85.8	4,600											
135	28.8	77.2	4,300											
140	24.5	67.1	3,900											
145	19.3	54.5	3,600											

# MANITOWOC ENGINEERING CO.

Division of the Manitowoc Company, Inc., Manitowoc, Wisconsin 54220



## LIFTCRANE CAPACITIES

BOOM NO. 46

35,000 LB. COUNTERWEIGHT

22'4" CRAWLERS EXTENDED

360 DEGREE RATING

THIS CAPACITY CHART IS FOR REFERENCE  
USE ONLY AND MUST NOT BE USED FOR A  
SPECIFIC SERIAL NUMBER CRANE. WITH X-SPANDER  
SERIAL NUMBERED LAMINATED CAPACITY  
CHARTS FOR A SPECIFIC CRANE CAN BE  
PURCHASED FROM AN AUTHORIZED  
MANITOWOC DISTRIBUTOR.

M-65W

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 DENOTED BY AN ASTERISK (\*).

SWITCH X-SPANDER MODE SELECTOR ON/X-SPANDER TO OPERATE. X-SPANDER EXTENDED CAPACITY COLUMNS REQUIRE X-SPANDER BEAM EXTENDED TO LENGTH SHOWN. DO NOT ALLOW REAR LEG TO CONTACT GROUND WHILE TRAVELING OR SWINGING. X-SPANDERS REQUIRE COUNTERWEIGHT FULLY EXTENDED BEFORE RATED LOAD CAN BE OBTAINED. X-SPANDER RETRACTED CAPACITY COLUMN REQUIRES COUNTERWEIGHT PINNED TO MACHINE BEAM RETRACTED AND X-SPANDER MODE OFF/STANDARD CRANE. NON-EPIC X-SPANDERS REQUIRE COUNTERWEIGHT TO BE FULLY EXTENDED BEFORE LIFTING LOAD. BOOMING DOWN ON NON-EPIC IS NOT ALLOWED WITH X-SPANDER EXTENDED CAPACITIES UNLESS COUNTERWEIGHT IS FULLY EXTENDED. WITH EPIC X-SPANDERS, HOISTING OR BOOMING IS NOT ALLOWED WHEN COUNTERWEIGHT IS MOVING ON X-SPANDER BEAM.

UPPER BOOM POINT CAPACITY FOR LIFTCRANE SERVICE WITH SINGLE PART WHIP LINE IS 15,000 LBS. IN ALL CASES, UPPER BOOM POINT CAPACITIES CANNOT EXCEED THOSE LISTED FOR MAIN BOOM CAPACITY.

WEIGHT OF JIB, ALL LOAD BLOCKS, HOOKS, WEIGHT BALL, SLINGS, HOIST LINES, ETC., BENEATH BOOM AND JIB POINT SHEAVES, IS CONSIDERED PART OF 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.

MACHINE TO OPERATE IN A LEVEL POSITION ON A FIRM, LEVEL AND UNIFORMLY SUPPORTING SURFACE WITH CRAWLERS FULLY EXTENDED (18'8-1/2") AND GANTRY UP. REFER TO RIGGING NO. 168744, WIRE ROPE SPECIFICATION CHART NO. 7329-A AND X-SPANDER GENERAL ARRANGEMENT NO. 169711 FOR ATTACHMENT AND EXTEND PROCEDURE. 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.

MACHINE MAY BE OPERATED IN WINDS UP TO 15 MPH PROVIDED CRANE OPERATOR JUDGMENT IS USED TO ALLOW FOR WIND EFFECT ON LIFTED LOAD AND OTHER CONSIDERATIONS NOTED ON CAPACITY CHART ARE FOLLOWED. WIND WILL HAVE A CONSIDERABLE EFFECT ON A LOAD WITH A LARGE 'SAIL AREA' AND MUST BE COMPENSATED FOR ACCORDINGLY BY REDUCING LOAD RATINGS, REDUCING OPERATING SPEEDS OR BY A COMBINATION OF BOTH. RECOMMEND STOPPING OPERATION WHEN WIND IS ABOVE 15 MPH AND LOWERING BOOM TO GROUND WHEN WIND IS ABOVE 35 MPH.

MACHINE TO TRAVEL ON A FIRM, LEVEL AND UNIFORMLY SUPPORTING SURFACE AND BOOM WITHIN BOOM ANGLE RANGE SHOWN IN CAPACITY CHART.

OPERATING RADIUS IS HORIZONTAL DISTANCE FROM AXIS OF ROTATION TO CENTER OF VERTICAL HOIST LINE OR LOAD BLOCK. BOOM ANGLE IS ANGLE BETWEEN HORIZONTAL AND CENTERLINE OF BOOM BATT AND INSERTS AND IS AN INDICATION OF OPERATING RADIUS. IN ALL CASES, OPERATING RADIUS SHALL GOVERN CAPACITY. BOOM POINT ELEVATION IS VERTICAL DISTANCE FROM GROUND LEVEL TO CENTERLINE OF BOOM POINT SHAFT.

MACHINE EQUIPPED WITH X-SPANDER, 22'4" EXTENDIBLE CRAWLERS, 36" TREADS, 17" RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVEING, TWO 1-1/4" BOOM PENDANTS AND 35,000 LB. COUNTERWEIGHT.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED				DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED	
OVER END OF BLOCKED CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS		JIB LENGTH	JIB NO. 130
BOOM LENGTH	JIB NO. 130	BOOM LENGTH	JIB NO. 130	JIB LENGTH	JIB NO. 130
190'		190'		30'	1,600 LBS.
180'	50'	180'	---	40'	2,200 LBS.
170'	60'	170'	40'	50'	2,600 LBS.
		160'	60'	60'	3,100 LBS.

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

CONSULT JIB CHART FOR JIB CAPACITIES.

BOOM LENGTH FEET	OPER. RAD. FEET	BOOM POINT ANG. DEG.	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'6" CAPACITY POUNDS	X-SPANDER EXTENDED 10' CAPACITY POUNDS
12	78.4	44.7	150,000*	150,000*	150,000*
13	77.0	44.4	150,000*	150,000*	150,000*
14	75.5	44.2	150,000*	150,000*	150,000*
15	74.0	43.9	143,300	150,000*	150,000*
16	72.5	43.6	126,600	147,100*	147,100*
17	71.0	43.2	113,900	139,500	142,200*
18	69.4	42.8	103,200	125,600	131,900*
19	67.9	42.4	94,400	114,800	122,600*
20	66.3	42.0	86,900	105,700	114,800*
21	64.7	41.5	80,400	98,000	107,700*
22	63.1	41.0	74,900	91,200	101,200*
23	61.5	40.4	70,000	85,300	95,400*
24	59.8	39.8	65,700	80,100	90,100*
25	58.1	39.2	61,900	75,500	85,200*
26	56.4	38.5	58,500	71,400	80,700*
27	54.6	37.8	55,400	67,700	76,600*
28	52.8	37.0	52,700	64,300	72,700*
29	51.0	36.2	50,200	61,300	69,100*
30	49.1	35.5	47,900	58,500	65,600*
32	45.1	33.4	43,800	53,500	59,300*
34	40.8	31.2	40,400	49,400	53,600*
36	36.9	28.9	37,400	45,800	48,300*
38	30.7	25.3	34,800	42,700	43,200*
40	24.2	21.3	32,500	38,000*	38,000*

BOOM LENGTH FEET	OPER. RAD. FEET	BOOM POINT ANG. DEG.	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'6" CAPACITY POUNDS	X-SPANDER EXTENDED 10' CAPACITY POUNDS
12	80.8	54.0	142,400*	142,400*	142,400*
13	79.5	54.7	140,800	140,800	140,800*
14	78.4	54.5	139,400*	139,400*	139,400*
15	77.3	54.3	138,000*	138,000*	138,000*
16	76.1	54.0	136,900	136,900	136,900*
17	74.9	53.7	133,800	133,800	133,800*
18	73.7	53.4	132,200	132,200	132,200*
19	72.5	53.1	94,300	114,700	120,700*
20	71.3	52.8	88,800	105,600	113,400*
21	70.1	52.4	80,300	87,900	105,900*
22	68.8	52.0	74,000	91,100	101,000*
23	67.6	51.6	69,900	85,200	95,700*
24	66.3	51.1	65,600	80,000	80,900*
25	65.1	50.7	61,800	75,400	86,600*
26	63.8	50.2	58,400	71,300	82,500*
27	62.5	49.8	55,300	67,500	76,400
28	61.2	48.1	52,500	64,200	74,500
29	59.9	46.5	50,000	61,100	71,000
30	58.6	47.2	47,700	58,300	67,800
32	55.7	46.5	43,700	53,400	62,100
34	52.9	45.0	40,200	49,300	57,300
35	49.9	43.4	37,200	45,700	53,100
38	46.8	41.5	34,700	42,500	49,500
40	43.5	39.5	32,400	39,800	45,400
45	34.2	33.1	27,700	34,200	37,800*
50	21.5	23.2	24,200	29,500*	29,500*

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE CAPACITIES

BOOM NO. 46

85,000 LB. COUNTERWEIGHT

22'4" CRAWLERS EXTENDED

360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

WITH X-SPANDER

BOOM LENGTH FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'6" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS	BOOM LENGTH FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'6" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS
13	61.4	64.9	126,900*	126,900*	126,900*	126,900*	15	53.1	73.9	27,200	33,600	39,300	
14	60.4	64.7	125,400*	125,400*	125,400*	125,400*	16	54.8	70.5	23,600	29,300	34,300	
15	59.4	64.6	123,900*	123,900*	123,900*	123,900*	17	56.2	66.6	20,800	26,900	30,400	
16	58.4	64.3	122,100*	122,100*	122,100*	122,100*	18	55.3	62.0	16,500	23,100	27,200	
17	57.5	64.1	113,700	119,400*	119,400*	119,400*	19	54.4	56.4	16,500	20,800	24,500	
18	56.6	63.8	103,000	116,800*	116,800*	116,800*	20	53.9	49.6	16,000	16,900	22,300	
19	55.6	63.5	94,100	114,300*	114,300*	114,300*	21	52.6	47.6	13,600	17,200	19,600*	
20	54.5	63.3	86,500	105,500	109,800*	109,800*	22	51.6	45.4	12,500	15,800	16,100*	
21	53.5	63.0	80,200	97,700	103,700	103,700	23	50.5	42.4	98,200*	106,000	116,300	
22	52.5	62.6	74,600	91,000	98,200*	98,200*	24	49.5	39.7	85,700	93,300*	104,300	
25	51.6	62.4	69,700	85,100	93,300*	93,300*	26	49.5	38.4	79,900	84,300*	84,300*	
24	50.5	61.9	65,400	79,900	88,900*	88,900*	27	48.4	37.4	74,100	83,000*	83,000*	
25	50.5	61.6	61,600	75,200	84,800*	84,800*	28	47.4	36.4	71,100	81,100*	81,100*	
26	50.4	61.2	58,200	71,100	81,100*	81,100*	29	46.4	35.4	67,400	77,600	80,400*	
27	50.4	59.7	58,100	67,400	77,600	77,600	30	45.4	34.4	64,000	74,300	80,400*	
28	50.3	59.3	52,400	64,000	74,300	74,300	31	45.1	33.4	61,000	70,800	78,000*	
29	50.3	59.8	49,800	61,000	70,800	70,800	32	45.1	32.4	58,200	67,600	76,800*	
30	50.2	59.3	47,500	58,200	67,600	67,600	33	52.1	58.3	53,300	51,900	59,300	
34	50.9	67.1	40,000	49,100	57,100	57,100	35	57.9	55.9	37,000	45,500	53,300	
36	57.9	55.9	34,500	42,300	49,300	49,300	36	56.3	54.5	34,500	42,300	53,500*	
38	56.3	54.5	34,500	42,300	49,300	49,300	40	52.9	53.0	32,200	39,600	46,200	
40	52.9	53.0	32,200	39,600	46,200	46,200	45	48.6	48.7	27,600	34,000	39,700	
50	39.5	43.2	24,000	29,700	34,700	34,700	50	39.5	39.5	21,200	26,500	29,600	
50	39.0	39.9	21,200	26,500	29,600	29,600	50	39.0	39.9	18,900	23,500	23,600	
50	19.0	24.9					14	81.8	74.8	112,800*	112,800*	112,800*	
15	81.0	74.7	111,200*	111,200*	111,200*	111,200*	16	81.0	74.7	108,800*	108,800*	108,800*	
16	80.1	74.5	108,800*	108,800*	108,800*	108,800*	17	79.3	74.3	106,500	106,500	106,500	
18	78.4	74.1	103,000	104,500*	104,500*	104,500*	19	77.6	73.9	94,100	102,500	102,500	
20	76.8	73.6	86,500	100,500	100,500	100,500	21	76.8	73.6	86,500	100,500	100,500	
21	75.9	73.4	80,100	97,600	98,600	98,600	22	75.1	73.1	74,500	90,900	95,100*	
23	75.1	72.8	69,600	85,000	90,400*	90,400*	24	73.4	72.5	65,300	79,700	86,200*	
25	72.5	72.2	61,500	75,100	82,300	82,300	26	71.6	71.8	58,100	71,000	78,000*	
26	71.6	71.8	58,100	71,000	78,000*	78,000*	27	70.8	71.5	58,000	67,300	78,600*	
28	69.9	71.1	52,300	63,900	72,600*	72,600*	29	69.0	70.7	49,700	60,800	69,800*	
30	68.1	70.3	47,400	58,900	67,200*	67,200*	32	66.4	69.5	43,300	53,100	61,800	
34	64.5	68.5	39,900	48,900	57,000	57,000	36	62.7	67.5	36,900	45,300	52,800	
38	60.8	66.2	34,100	42,200	49,200	49,200	40	58.9	65.2	32,000	39,400	46,000	
40	58.9	65.3	32,000	39,400	46,000	46,000	45	54.9	61.8	27,400	33,800	39,500	
45	54.0	61.8	27,400	33,800	39,500	39,500	50	48.7	57.7	23,800	29,500	34,500	
50	48.7	57.7	23,800	29,500	34,500	34,500	50	42.3	52.7	21,000	26,100	30,600	
60	36.4	46.5	18,700	23,300	27,400	27,400	63	28.6	38.5	16,800	21,000	23,300*	
63	28.6	38.5	16,800	21,000	23,300*	23,300*	70	18.0	26.5	15,200	19,100	19,400*	
15	81.4	84.6	99,600*	99,600*	99,600*	99,600*	17	80.6	84.5	97,900*	97,900*	97,900*	
17	80.6	84.5	97,900*	97,900*	97,900*	97,900*	18	79.9	84.3	96,200*	96,200*	96,200*	
19	79.9	84.1	93,900	94,600	94,600	94,600	20	78.9	83.9	86,400	93,000	93,000	
21	77.7	83.7	79,900	91,400*	91,400*	91,400*	22	77.0	83.4	74,300	89,800*	89,800*	
23	76.2	83.2	69,500	84,800	87,500	87,500	24	75.5	82.9	65,100	79,600	83,400*	
24	75.5	82.9	65,100	79,600	83,400*	83,400*	25	74.8	82.6	51,300	74,900	79,700*	
25	74.8	82.6	51,300	74,900	79,700*	79,700*	26	74.0	82.3	57,900	70,800	76,300*	
27	73.3	82.0	54,800	67,100	73,200*	73,200*	28	72.5	81.7	52,000	63,700	70,300*	
28	72.5	81.7	52,000	63,700	70,300*	70,300*	29	71.8	81.4	49,500	60,600	67,700*	
30	71.0	81.0	47,200	57,800	65,200*	65,200*	32	69.5	80.3	43,100	52,900	60,800*	
34	67.9	79.5	39,700	48,700	56,800	56,800	36	66.4	79.6	36,700	45,100	52,600	
36	66.4	79.6	36,700	45,100	52,600	52,600	38	64.8	77.7	34,100	42,000	49,000	
40	63.2	76.7	31,800	39,200	45,800	45,800							

# **MANITOWOC ENGINEERING CO.**

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



## LIFTCRANE CAPACITIES

**BOOM NO. 46**

**35,000 LB. COUNTERWEIGHT**

**22' 4" CRAWLERS EXTENDED**

**360 DEGREE RATING**

**MEETS  
ANSI B30.5  
REQUIREMENTS**

M-65W

#### **WITH X-SPANDER**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM POINT ANG. DEG.	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7' 8"	X-SPANDER EXTENDED 15'	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM POINT ANG. DEG.	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7' 8"	X-SPANDER EXTENDED 15'
20	81.6	14.4	69,000*	69,000*	69,000*	55	62.0	120.0	15,700	15,900	23,100
21	81.1	14.2	68,000*	68,000*	68,000*	56	69.2	117.2	14,100	16,000	21,400
22	80.6	14.0	67,100*	67,100*	67,100*	57	56.8	114.0	12,700	16,300	19,500
23	80.0	13.9	66,100*	66,100*	66,100*	58	54.1	110.5	11,600	14,900	17,900
24	79.5	13.7	64,700	65,200*	65,200*	59	61.4	106.7	10,500	13,700	16,400
25	79.0	13.6	60,300	64,300*	64,300*	60	48.5	102.4	9,500	12,600	15,200
26	78.5	13.3	67,500	63,400*	63,400*	61	45.4	97.7	8,500	11,600	14,100
27	77.9	13.1	64,400	62,500*	62,500*	62	42.2	92.4	8,100	10,700	13,100
28	77.4	12.8	61,600	61,700*	61,700*	63	38.8	86.5	7,500	10,000	12,200
29	76.9	12.6	49,500	60,200	60,200	64	35.1	79.7	6,900	9,300	11,400
30	76.3	12.3	46,700	57,400	57,400	65	31.0	72.0	6,400	8,600	10,400*
31	76.2	11.8	42,700	52,400	52,400	66	26.4	62.3	5,900	8,000	9,300*
32	74.2	11.3	59,200	48,200	48,200	67	20.8	51.0	5,400	7,500	8,100*
33	73.7	10.7	56,200	44,600	44,600	68	17.0	44.0	5,000	6,600	7,700*
34	72.0	10.0	33,500	41,500	41,500	69	14.1	38.1	4,500	5,600	6,700*
40	70.9	69.3	31,300	38,700	43,900*	70	81.6	44.1	48,200*	48,200*	48,200*
45	68.1	67.4	26,500	33,100	38,700*	71	81.4	44.0	47,800*	47,800*	47,800*
50	65.2	65.2	23,100	28,700	33,800	72	80.6	43.6	46,800*	46,800*	46,800*
55	62.3	62.7	20,200	23,300	29,800	73	80.1	43.4	46,300*	46,300*	46,300*
60	59.3	59.1	17,200	22,500	26,600	74	79.1	43.3	45,500*	45,500*	45,500*
65	56.2	56.6	16,000	20,200	24,000	75	79.3	41.1	45,300*	45,300*	45,300*
70	53.0	53.0	14,400	18,300	21,500	76	78.6	41.2	42,100	44,300*	44,300*
75	49.7	49.0	13,100	15,700	19,500	77	77.6	41.2	38,200	43,300*	43,300*
80	46.1	48.4	11,900	15,200	18,200	78	76.3	41.5	35,700	42,300*	42,300*
85	42.4	47.9	10,200	14,000	16,500	79	75.9	41.3	33,100	40,900	41,400*
90	38.3	43.3	10,000	12,900	15,500	80	75.1	40.7	30,800	38,200	40,400*
95	33.8	66.2	9,200	11,900	14,400	81	73.0	39.3	26,100	32,500	35,800*
100	28.8	52.9	8,500	11,100	13,100	82	70.8	37.6	22,500	28,200	31,700*
105	22.7	47.3	7,800	10,300	11,500	83	68.6	35.7	19,700	24,800	26,500*
21	81.9	24.3	61,300*	61,300*	61,300*	84	66.4	33.6	17,400	22,000	25,400*
22	81.4	24.2	60,500*	60,600*	60,600*	85	64.1	31.3	15,500	19,700	23,400
23	80.9	24.0	59,700*	59,900*	59,900*	86	61.6	28.7	13,900	17,700	21,200
24	80.4	23.8	59,200*	59,200*	59,200*	87	59.5	26.8	12,500	16,100	19,300
25	79.9	23.7	58,500*	58,500*	58,500*	88	57.1	22.7	11,300	14,700	17,600
26	79.4	23.5	57,300	57,900*	57,900*	89	54.6	19.3	10,300	13,400	16,200
27	78.9	23.3	54,300	57,200*	57,200*	90	52.0	16.5	9,400	12,300	14,900
28	78.5	23.1	51,500	56,600	56,600	91	49.4	11.3	8,600	11,400	13,800
29	78.0	22.9	48,900	53,900*	55,900*	92	46.6	10.5	7,900	10,500	12,800
30	77.5	22.5	46,600	55,300*	55,300*	93	43.7	10.1	7,400	9,700	11,900
32	76.5	22.2	42,500	52,300	54,000*	94	40.6	9.2	6,600	9,000	11,100
34	75.5	21.6	39,000	46,100	50,800	95	37.3	8.9	6,100	8,400	10,400
36	74.5	21.1	36,100	44,500	47,800*	96	33.8	8.2	5,600	7,800	9,600*
38	73.5	20.5	33,400	41,300	45,100*	97	29.9	7.4	5,200	7,300	8,600*
40	72.5	19.9	31,200	38,600	42,600	98	26.4	6.4	4,800	6,900	7,700*
45	70.0	18.1	26,500	32,900	37,500*	99	20.0	5.2	4,400	6,300*	6,600*
50	67.4	18.2	22,900	28,600	33,500*	100	81.9	15.4	40,900*	40,900*	40,900*
55	64.8	13.9	20,100	25,200	29,700	101	81.5	15.3	40,800*	40,800*	40,800*
60	62.1	11.4	17,800	22,400	26,500	102	81.2	15.3	40,700*	40,700*	40,700*
65	59.4	10.5	17,300	20,100	23,300	103	80.6	15.3	40,600*	40,600*	40,600*
70	56.5	10.3	14,300	18,200	21,300	104	80.4	15.2	40,500*	40,500*	40,500*
75	53.5	10.1	12,900	16,500	19,700	105	80.0	15.2	40,400*	40,400*	40,400*
80	50.5	9.7	11,700	15,100	18,100	106	79.2	15.2	39,600*	39,800*	39,800*
85	47.4	9.3	10,700	13,800	16,600	107	78.5	15.2	38,500	38,900*	38,900*
90	44.0	8.8	9,800	12,800	15,400	108	77.7	15.0	35,500	38,000*	38,000*
95	40.5	82.9	9,000	11,300	14,200	109	76.4	15.1	32,900	37,200*	37,200*
100	36.5	76.8	8,300	10,900	13,300	110	76.1	15.1	30,600	36,300	36,300
105	32.3	69.2	7,700	10,200	12,400	111	74.1	14.9	26,600	32,400	34,300*
110	27.5	60.3	7,100	9,500	11,100	112	72.1	14.8	22,400	28,100	31,200*
115	21.7	49.2	6,600	8,800	9,700*	113	70.1	14.4	19,500	24,500	28,000*
22	82.0	134.3	54,300*	54,300*	54,300*	114	68.0	42.3	15,300	19,500	23,100
23	81.6	134.1	53,700*	53,700*	53,700*	115	63.9	40.0	13,700	17,600	21,000
24	81.1	134.0	53,200*	53,200*	53,200*	116	61.7	37.4	12,300	15,900	19,100
25	80.7	133.8	52,600*	52,600*	52,600*	117	59.5	34.5	11,200	14,500	17,500
26	80.3	133.6	52,100*	52,100*	52,100*	118	57.3	31.4	10,100	13,300	16,000
27	79.8	133.5	51,500	51,500*	51,500*	119	54.9	28.9	9,200	12,200	14,800
28	79.4	133.3	50,900*	50,900*	50,900*	120	52.6	24.3	8,400	11,200	13,700
29	78.9	133.1	48,800	50,400	50,400*	121	50.1	20.2	7,700	10,300	12,700
30	78.5	132.9	46,400	49,800*	49,800*	122	47.6	15.8	7,100	9,600	11,800
32	77.6	132.4	42,400	48,700*	48,700*	123	44.9	11.0	6,500	8,900	11,000
34	76.5	132.0	38,900	47,600*	47,600*	124	42.1	6.6	6,000	8,200	10,200
36	75.7	131.3	36,900	44,300	46,500*	125	39.2	9.7	5,500	7,500	9,600
38	74.8	130.2	33,300	41,200	44,200*	126	36.0	9.2	5,000	7,100	8,900*
40	73.9	130.3	31,000	38,400	41,800*	127	32.6	8.8	4,600	6,600	8,000*
45	71.6	126.6	26,300	32,700	36,800*	128	28.8	7.7	4,300	5,200	7,200*
50	69.3	126.9	22,700	28,400	32,700*	129	24.6	6.7	3,800	5,800	6,400*
55	66.9	124.9	19,300	25,000	29,500*	130	19.3	5.4	3,600	5,400	5,400*
60	64.4	122.6	17,600	22,200	26,300						

**MANITOWOC ENGINEERING CO.**  
Division of The Manitowoc Company, Inc., Manitowoc, Wisconsin 54220



# LIFTCRANE CAPACITIES

BOOM NO. 46  
35,000 LB. COUNTERWEIGHT  
22'4" CRAWLERS EXTENDED  
360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

WITH X-SPANDER

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 16' CAPACITY POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 16' CAPACITY POUNDS
27	81.7	163.3	35,000*	35,000*	35,000*	35,000*	30	81.7	163.7	25,800*	25,800*	25,800*	
28	81.4	163.7	34,900*	34,900*	34,900*	34,900*	32	81.0	183.3	25,600*	25,600*	25,600*	
29	81.0	163.6	34,900*	34,900*	34,900*	34,900*	34	80.4	163.0	25,500*	25,500*	25,500*	
30	80.6	163.4	34,800*	34,800*	34,800*	34,800*	36	79.8	162.6	25,300*	25,300*	25,300*	
32	79.9	162.5	34,600*	34,600*	34,600*	34,600*	30	77.1	162.3	25,000*	25,000*	25,000*	
34	79.2	162.7	34,400*	34,400*	34,400*	34,400*	40	78.5	181.9	24,600*	24,600*	24,600*	
36	78.5	162.3	34,200*	34,200*	34,200*	34,200*	45	78.8	180.7	23,700*	23,700*	23,700*	
38	77.7	161.8	32,700	33,800*	33,800*	33,800*	50	75.2	179.5	21,800*	22,900*	22,900*	
40	77.0	161.4	30,600	33,000*	33,000*	33,000*	55	73.9	178.0	19,000*	22,000*	22,000*	
45	75.1	160.1	25,800	31,200*	31,200*	31,200*	60	71.5	176.5	16,600*	20,700*	20,700*	
50	73.3	158.7	22,300	27,700	27,700	27,700	65	70.2	174.7	14,700	19,400*	19,400*	
55	71.4	157.0	19,300	24,400	24,400	24,400	70	68.5	172.8	13,100	17,000	18,200*	
60	69.5	155.2	17,000	21,600	21,600	21,600	75	66.7	170.7	11,600	15,300	17,100*	
65	67.6	153.2	15,100	19,300	19,300	19,300	80	65.0	168.4	10,600	13,900	16,000*	
70	65.6	151.0	13,500	17,400	17,400	17,400	85	63.2	166.0	9,500	13,700	15,000*	
75	63.6	149.5	12,100	16,700	16,700	16,700	90	61.4	163.3	8,600	11,600	14,000*	
80	61.8	146.8	11,000	14,300	14,300	14,300	95	59.8	160.5	7,800	10,600	12,900*	
85	59.5	143.2	9,900	13,100	13,100	13,100	100	57.7	157.4	7,100	9,700	12,000*	
90	57.4	140.1	9,000	12,800	12,800	12,800	105	55.8	154.1	6,500	9,000	11,100*	
95	55.3	136.7	8,200	11,000	11,000	11,000	110	53.2	150.5	5,300	8,300	10,300*	
100	53.1	133.0	7,600	10,100	10,100	10,100	115	51.7	146.7	5,400	7,500	9,600*	
105	50.8	129.1	6,900	9,400	9,400	9,400	120	49.8	142.6	4,900	7,000	8,900*	
110	48.4	124.8	6,300	8,700	8,700	8,700	125	47.7	138.2	4,400	6,500	8,200*	
115	46.0	120.1	5,800	8,000	8,000	8,000	130	45.5	135.1	4,000	6,000	7,600*	
120	43.4	115.0	5,300	7,400	7,400	7,400	135	43.8	128.3	3,700	5,600	7,000*	
125	40.7	109.4	4,600	6,900	6,900	6,900	140	40.8	122.6	3,500	5,100	6,400*	
130	37.9	103.2	4,400	6,400	6,400	6,400	145	38.3	116.5	3,000	4,800	5,700*	
135	34.8	96.3	4,100	6,000	6,000	6,000	150	35.6	109.8	2,800	4,400	5,100*	
140	31.5	88.6	3,700	5,600	5,600	5,600	155	32.8	102.3	2,600	4,100	4,800*	
145	27.9	79.7	3,400	5,200	5,200	5,200	160	29.7	94.0	2,400	3,800	3,900*	
150	23.7	69.2	3,100	4,800	4,800	4,800	165	26.2	84.0	2,300*	3,300*	3,300*	
160	18.7	56.1	—	4,300*	4,300*	4,300*	32	81.5	193.5	22,300*	22,300*	22,300*	
165	15.1	173.5	30,100*	30,100*	30,100*	30,100*	34	80.9	193.1	22,100*	22,100*	22,100*	
170	13.1	173.5	30,000*	30,000*	30,000*	30,000*	36	80.3	192.8	21,800*	21,800*	21,800*	
175	10.5	173.2	29,300*	29,900*	29,900*	29,900*	38	79.7	192.4	21,400*	21,400*	21,400*	
180	7.9	172.8	29,700*	29,700*	29,700*	29,700*	40	79.1	192.1	21,100*	21,100*	21,100*	
185	5.1	172.5	29,500*	29,500*	29,500*	29,500*	165	77.5	191.0	20,200*	20,200*	20,200*	
190	2.5	172.1	29,300*	29,300*	29,300*	29,300*	190	76.0	189.6	19,400*	19,400*	19,400*	
195	7.6	171.7	29,100*	29,100*	29,100*	29,100*	195	74.4	186.5	18,700*	18,700*	18,700*	
200	10.0	170.4	28,600*	28,600*	28,600*	28,600*	205	72.8	187.0	16,400*	18,000*	18,000*	
205	12.4	169.1	21,900	26,500*	26,500*	26,500*	210	71.3	185.3	14,500*	17,300*	17,300*	
210	14.7	167.5	19,100	24,200	24,200	24,200	215	69.7	183.5	12,900*	16,300*	16,300*	
215	17.0	165.9	16,800	21,400	21,400	21,400	220	68.0	181.6	11,500	15,100	16,200*	
220	19.0	164.0	14,900	19,100	19,100	19,100	225	66.4	179.4	10,400	13,700	14,200*	
225	20.7	162.0	13,300	17,200	17,200	17,200	230	64.7	177.1	9,300	12,600	13,300*	
230	22.3	159.3	11,900	15,500	15,500	15,500	235	63.1	174.7	8,400	11,400	12,400*	
235	23.8	157.3	10,700	14,100	14,100	14,100	240	61.3	172.0	7,600	10,400	11,500*	
240	25.1	154.7	9,700	12,800	12,800	12,800	245	60.4	169.1	6,900	9,500	10,700*	
245	26.3	151.8	8,800	11,700	11,700	11,700	250	57.8	166.1	6,300	8,700	9,900*	
250	27.6	148.7	8,000	10,800	10,800	10,800	255	56.0	162.8	5,700	8,000	9,200*	
255	28.4	145.4	7,300	9,900	9,900	9,900	260	54.2	159.3	5,100	7,400	8,400*	
260	29.3	141.8	6,600	9,100	9,100	9,100	265	52.4	155.5	4,700	6,800	7,800*	
265	30.1	137.9	6,000	8,400	8,400	8,400	270	50.4	151.5	4,200	6,300	7,100*	
270	31.1	133.7	5,500	7,800	7,800	7,800	275	48.4	147.1	3,800	5,800	6,500*	
275	32.1	129.2	5,000	7,200	7,200	7,200	280	46.3	142.5	3,400	5,400	5,900*	
280	34.5	124.2	4,600	6,700	6,700	6,700	285	44.2	137.5	3,100	4,900	5,300*	
285	34.0	118.9	4,200	6,200	6,200	6,200	290	42.0	132.1	2,600	4,600	4,700*	
290	33.4	113.0	3,800	5,700	5,700	5,700	295	39.6	126.3	2,100*	4,100*	4,100*	
295	32.7	108.6	3,500	5,300	5,300	5,300	300	37.2	119.9	1,600*	3,600*	3,600*	
300	30.5	91.3	4,200	4,900	4,900	4,900	305	34.6	112.9	3,000*	3,000*	3,000*	
305	28.1	57.7	3,200*	4,600	4,600	4,600	310	—	—	—	—	—	

Darren May

# MORE FEATURES THAN ANY OTHER CRANE IN ITS CLASS

- Compact design
- 135,630-pound overall weight
- 11'5¾" transportation width
- Three-truck shipability with maximum boom
- Boom lengths to 190'
- Jib lengths to 60'
- Boom & jib combinations to 230'
- Efficient hydrostatic transmission
- Independent, variable-speed operation of all functions
- Permanently-sealed crawler drive bearings
- Spooling capacities to 728' of ¾" wire rope per drum
- Full-power and free-fall drum controls
- 18" wide tandem drums
- Rated line pulls to 15,000 pounds
- Line speeds to 510 FPM
- Swing speeds to 3.50 RPM
- Travel speeds to 1.0 MPH
- 30% gradeability
- Ergonomic control consoles
- Electro-hydraulic controls
- X-SPANDER® capacity enhancement device

## LOWERWORKS

**CARBODY:** Single-piece steel fabrication. Integral turret provides rigid mounting for inner race of turntable bearing. Wings on carbody mate with pockets in crawler frames.

**CRAWLER ASSEMBLIES:** Two reinforced steel fabrications, each supporting a front idler roller, 12 intermediate rollers, hydraulic drive motor, fully enclosed travel planetary, crawler tumbler, and tread. Abrasion-resistant steel slide rails along crawler frame top. Overall crawler length 22'3⅝" (6.80M). Crawlers extend to 16'8½" (5.09M), retract to 11'5¾" (3.5M).

**FRONT IDLER ROLLER:** Double-flanged, 33" (838mm) diameter, fabricated steel roller is mounted on stationary shaft supported at both ends by crawler frame. Roller revolves on sealed bearings for minimized maintenance.

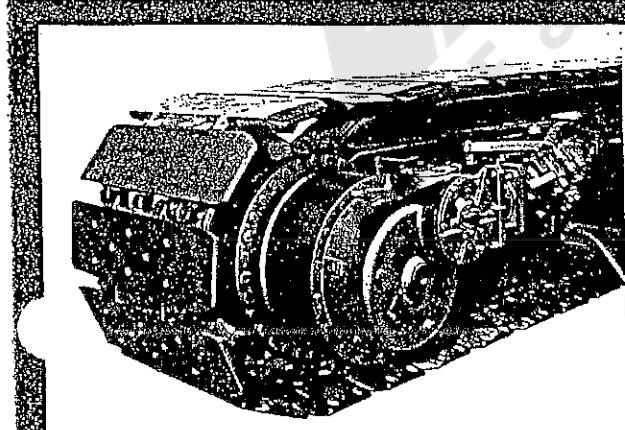
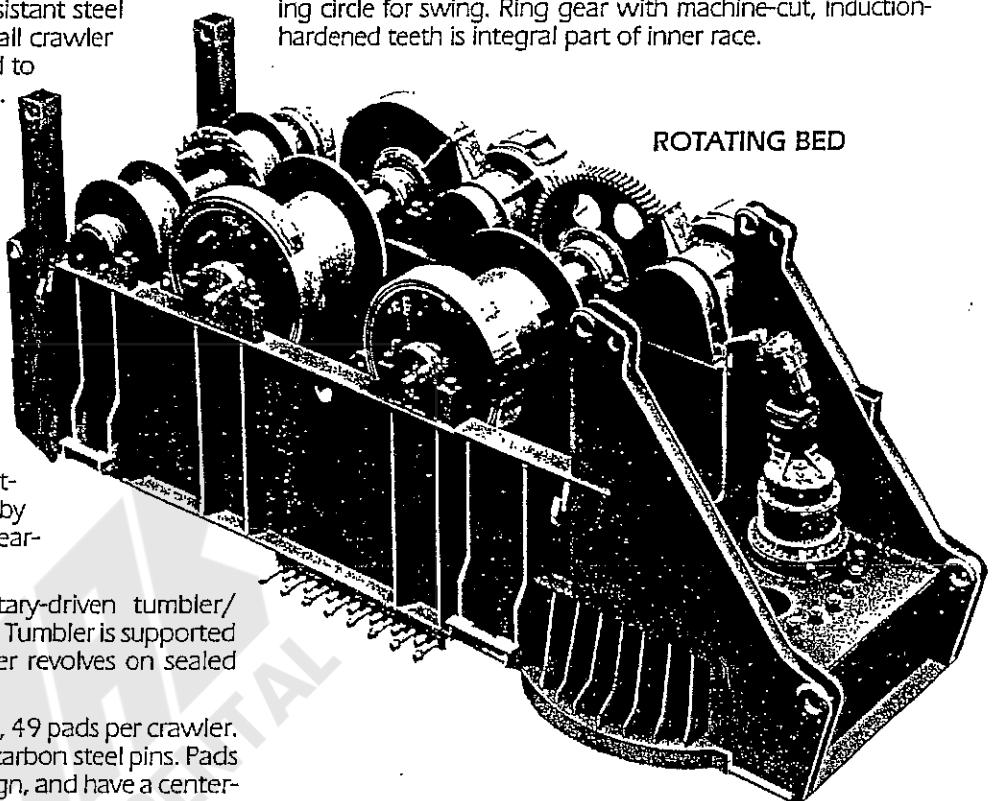
**INTERMEDIATE ROLLERS:** Double-flanged, 12" (305mm) diameter rollers are mounted along underside of crawler frame. Each roller is mounted on a 2¾" (70mm) diameter stationary shaft whose ends are supported by welded frames and held in place by keeper bars. Rollers revolve on sealed bearings for minimized maintenance.

**CRAWLER DRIVE TUMBLER:** Planetary-driven tumbler/sprocket transmits drive torque to tread. Tumbler is supported at both ends by crawler frame. Tumbler revolves on sealed bearings for minimized maintenance.

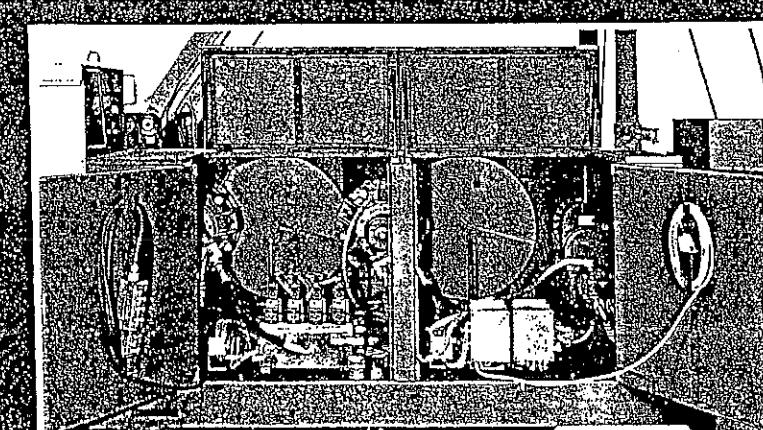
**CRAWLER TREADS:** 36" (914mm) wide, 49 pads per crawler. Adjacent pads connected by two high-carbon steel pins. Pads are cast alloy steel, feature a closed design, and have a centering lug.

**INDEPENDENT TRAVEL POWER:** Two pressure-compensated, variable-displacement hydraulic motors, one driving each crawler. System enables each crawler to be rotated independently in either direction at variable speed.

**TURNTABLE BEARING:** 64¾" (1.64M) diameter bearing bolts to carbody and rotating bed, providing single-row ball bearing circle for swing. Ring gear with machine-cut, induction-hardened teeth is integral part of inner race.



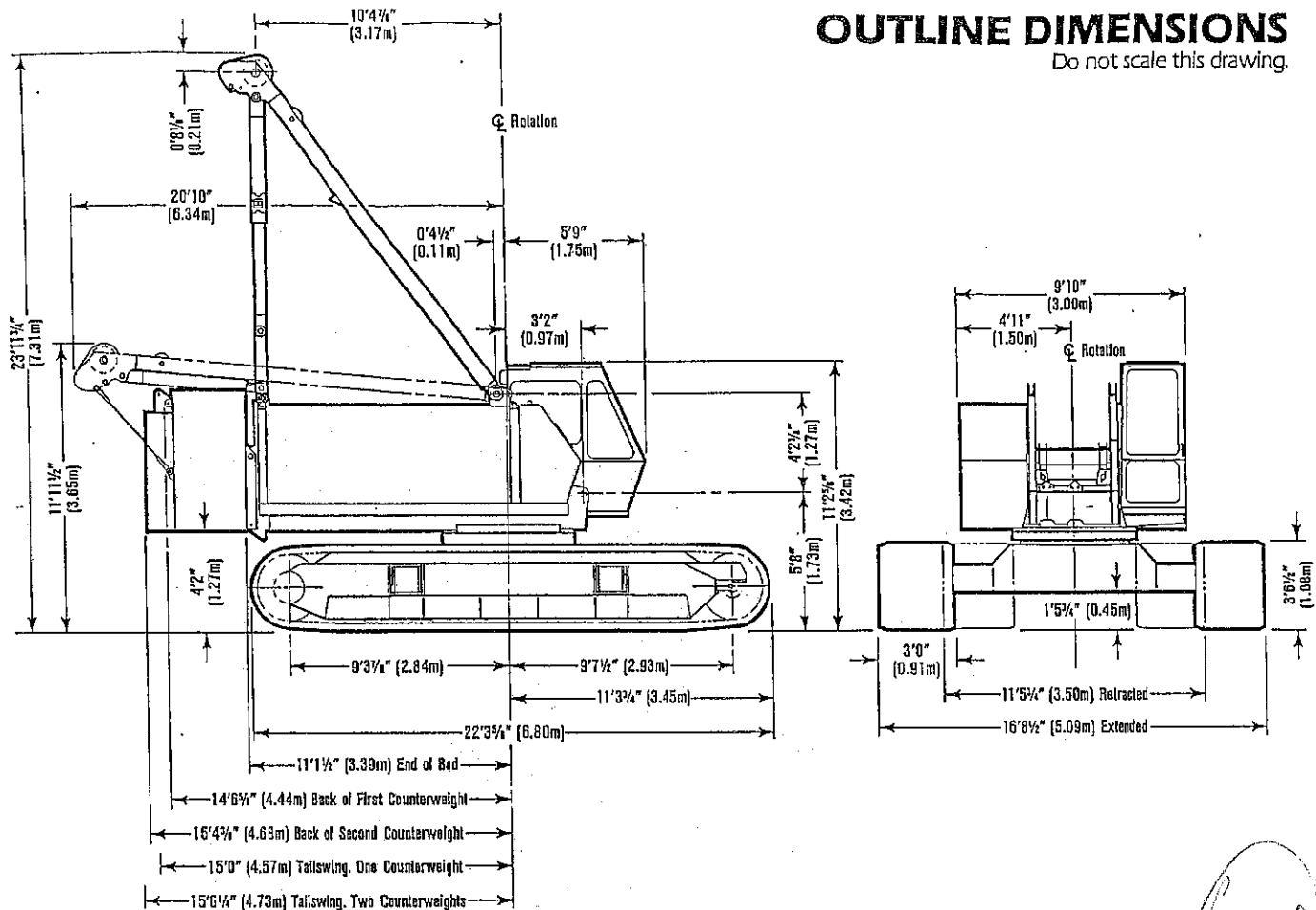
HYDRAULIC CRAWLER DRIVE



PROVEN HYDROSTATIC COMPONENTS

# OUTLINE DIMENSIONS

Do not scale this drawing.



## WEIGHTS

LIFTCRANE, complete with 40' (12.20M) No. 46 boom, gantry and backhitch, boom hoist rigging and pendants, front and rear drums with load lines, swing machinery, telescopic boom stop, 22'3" (6.80m) long crawlers, 36" (914mm) wide treads, counterweight, and 75-U.S.-ton (68MT) capacity hook block.....

	Pounds	Kilograms
	135,630	61,510

### REMOVABLE COUNTERWEIGHT, (2-piece)

Inner.....	35,000	15,875
Outer.....	7,000	3,175
Total.....	42,000	19,050

LOWERWORKS & UPPERWORKS, (combined) complete with crawlers, front and rear drums with load lines, boom hoist wire rope, power plant, gantry, equalizer, boom butt, and telescopic boom stop .....

Pounds	Kilograms	
89,195	40,451	
1,480	671	BOOM NO. 46
2,000	907	Butt, 21' (6.40M) .....
570	259	Top, 19' (5.79M) with lower point and wire rope guide .....
970	440	Inserts:
1,375	624	10' (3.05M) .....
		20' (6.10M) .....
		30' (9.15M) .....

## POWER PLANT

Model		Cylinder	Bore	Stroke	Cubic Inch Displacement	Net HP @ RPM (at flywheel)
BASIC	Cummins 6 CT 8.3	6	4.49" (114mm)	5.31" (135mm)	504.6 [8,270cc]	210 @ 2,200

## DRUMS

Liftcrane	Clamshell	Dragline	Drum	Drum Diameter	Drum Width	Type of Drum	Spooling Capacity			
							1st Layer <sup>1</sup>	Layers <sup>2</sup>	Maximum <sup>2</sup>	
Hoist Whip	Closing Holding	Drag Hoist	Front Rear	16 1/2" x 3" (419mm) 16 1/2" x 3" (419mm)	18" (457mm) 18" (457mm)	Plain <sup>3</sup> Plain <sup>3</sup>	3/4" (19mm) 3/4" (19mm)	99' (30.2M) 99' (30.2M)	6 6	728' (222M) 728' (222M)

<sup>1</sup>Liftcrane, clamshell, and dragline.

<sup>2</sup>Liftcrane only.

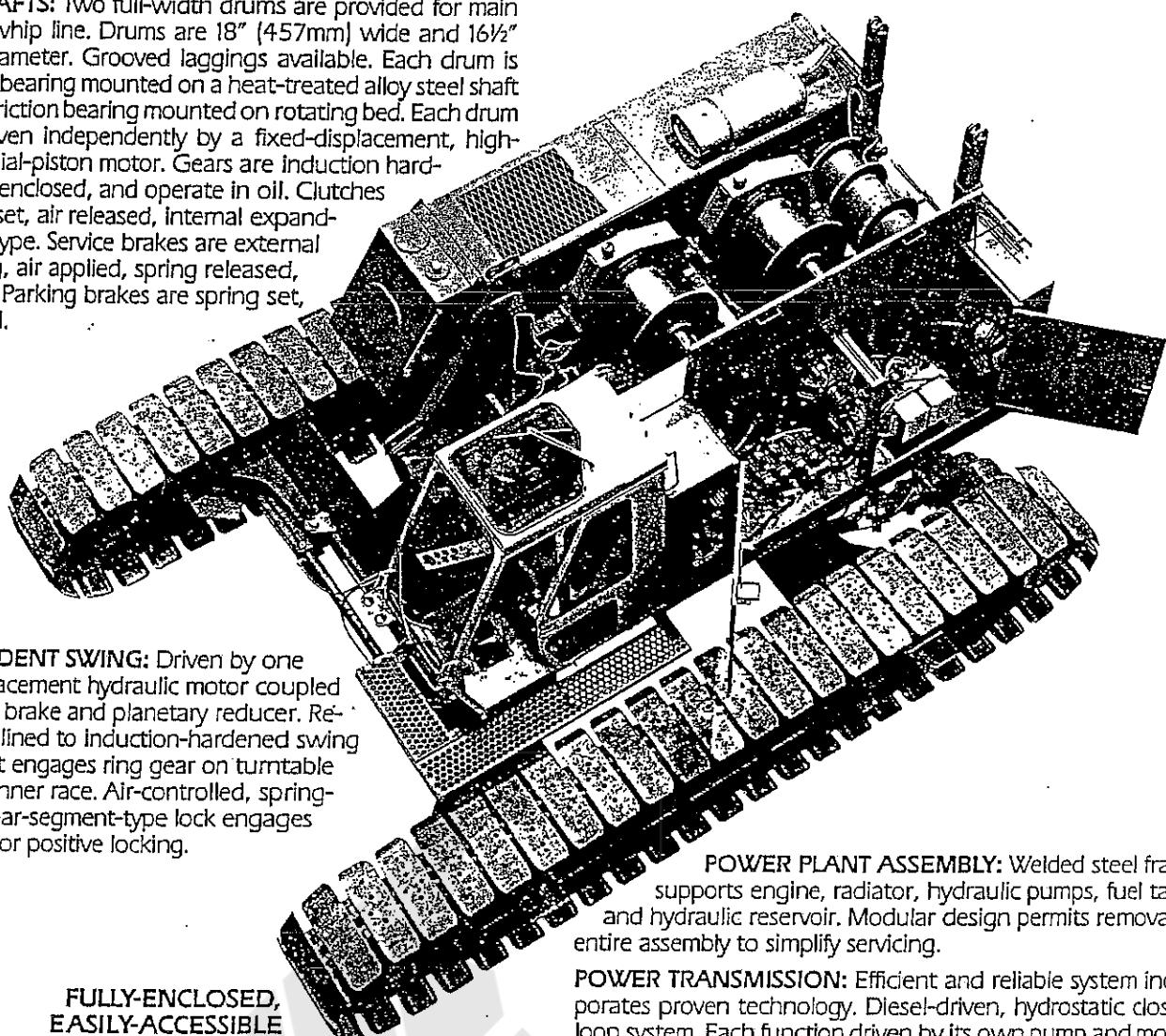
<sup>3</sup>Grooved lagging for clamshell and dragline.

## UPPERWORKS

**ROTATING BED:** Single-piece, deep-section, steel fabrication with vertical side frames and internal framing provides support for mounting all other upperworks components. Bed rotates on 64 $\frac{3}{4}$ " (1.64M) diameter turntable bearing. Complete upperworks can be mounted on cabbody or truck chassis.

**DRUM SHAFTS:** Two full-width drums are provided for main hoist and whip line. Drums are 18" (457mm) wide and 16 $\frac{1}{2}$ " (419mm) diameter. Grooved laggings available. Each drum is antifriction bearing mounted on a heat-treated alloy steel shaft that is antifriction bearing mounted on rotating bed. Each drum shaft is driven independently by a fixed-displacement, high-torque, radial-piston motor. Gears are induction hardened, fully enclosed, and operate in oil. Clutches are spring set, air released, internal expanding, band type. Service brakes are external contracting, air applied, spring released, band type. Parking brakes are spring set, air released.

**INDEPENDENT BOOM HOIST:** Dual, grooved drums anti-friction bearing mounted on rear of rotating bed. Boom hoist drum shaft driven independently by variable-displacement hydraulic motor coupled to internal brake and planetary reducer. Ratchet and pawl standard.



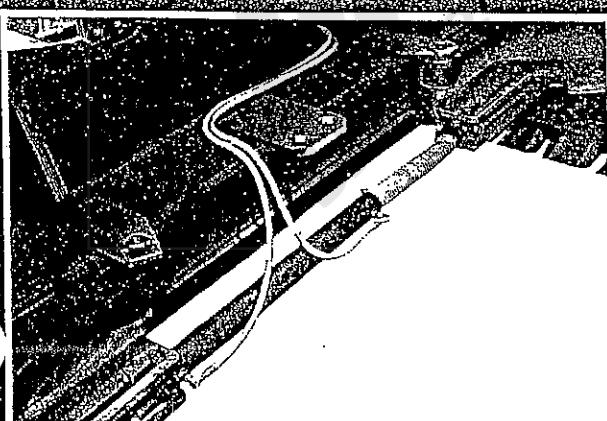
**INDEPENDENT SWING:** Driven by one fixed-displacement hydraulic motor coupled to internal brake and planetary reducer. Reducer is splined to induction-hardened swing pinion that engages ring gear on turntable bearing's inner race. Air-controlled, spring-loaded, gear-segment-type lock engages ring gear for positive locking.

FULLY-ENCLOSED,  
EASILY-ACCESSIBLE  
COMPONENTS

**POWER PLANT ASSEMBLY:** Welded steel frame supports engine, radiator, hydraulic pumps, fuel tank, and hydraulic reservoir. Modular design permits removal of entire assembly to simplify servicing.

**POWER TRANSMISSION:** Efficient and reliable system incorporates proven technology. Diesel-driven, hydrostatic closed-loop system. Each function driven by its own pump and motor, providing totally independent operation.

**POWER LOWERING:** An integral function of system. Pump and motor provide hydraulically-powered rotation in either direction, resulting in loads being hoisted and lowered under power for positive control.



HYDRAULICALLY EXTENDIBLE CRAWLERS



CONVENIENT DIAGNOSTICS

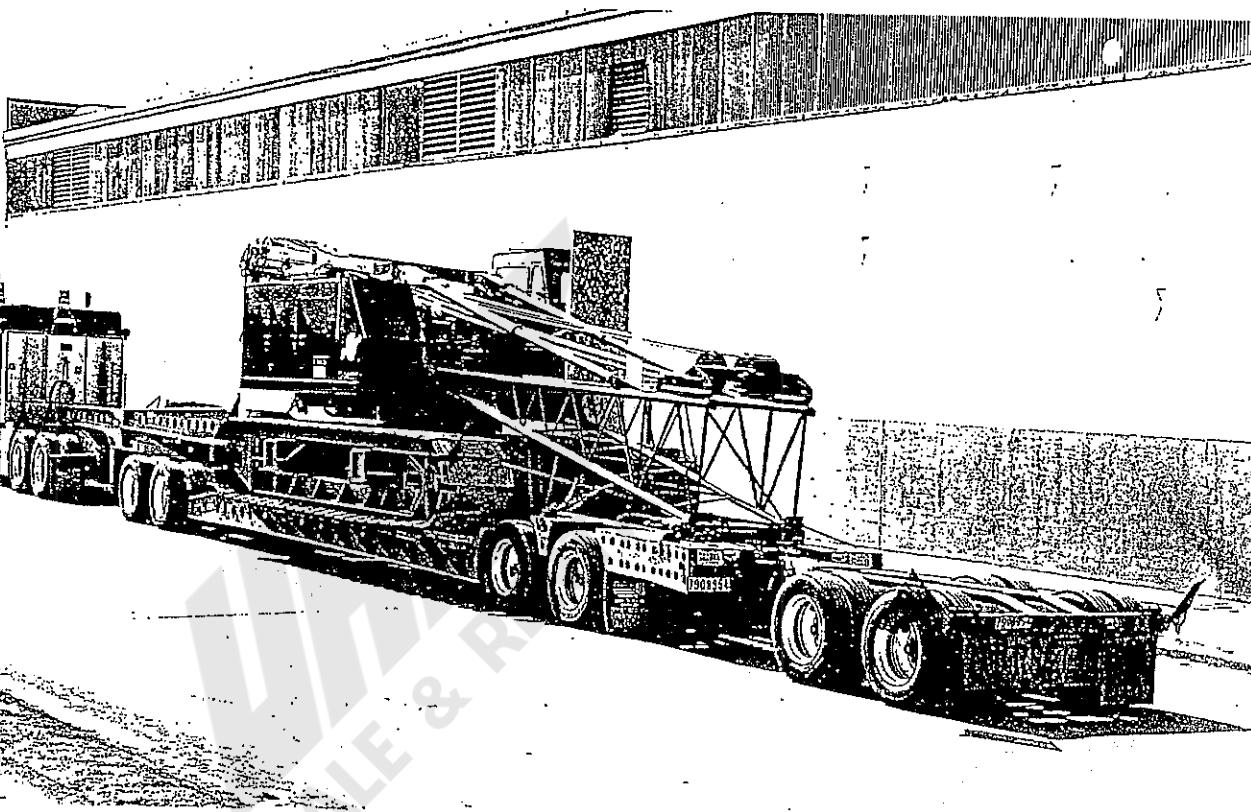
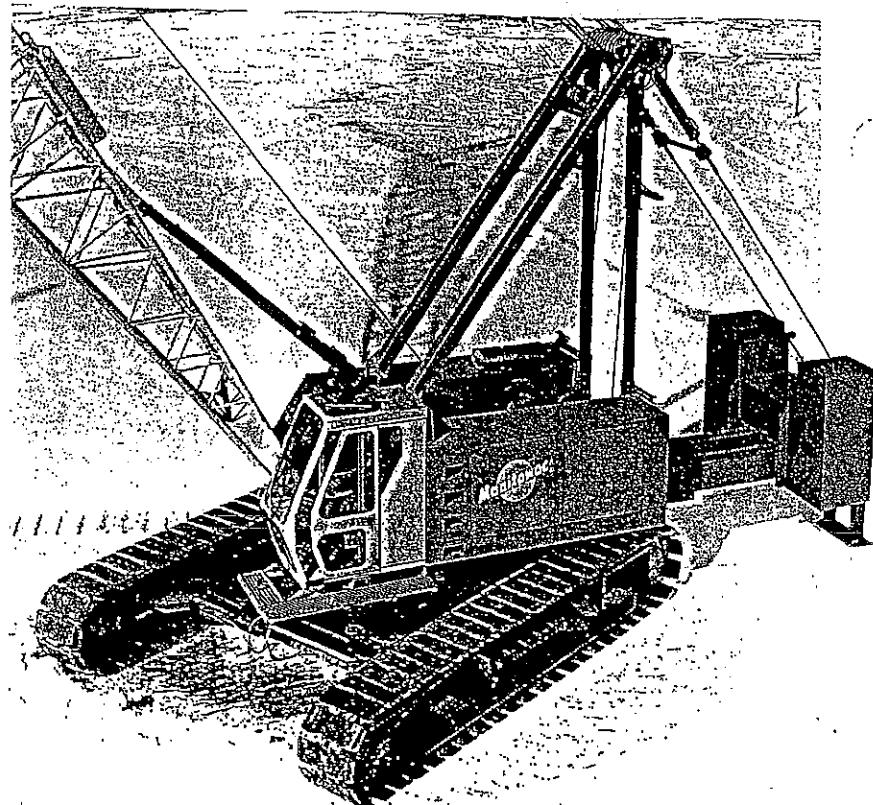
## X-SPANDER ATTACHMENT

To enhance the M-65W's versatility, Manitowoc's optional X-SPANDER® attachment boosts the crane's capacity by 30 to 100%. When deployed, the X-SPANDER extends the crane's counterweight rearward, thereby increasing the crane's stability while maintaining its ability to swing and travel with load.

Stored conveniently in the crane's rotating bed, the X-SPANDER is always available. It's also fully self-erecting, so no assist crane is required. Deployment takes less than 10 minutes and can be handled by one man using a remote control.

## AMERICA'S MOST TRANSPORTABLE 75-TON CRAWLER CRANE

A compact, efficient design enables the M-65W to be trucked in most areas of the United States with cabbody, crawlers, upperworks, gantry, boom butt, and equalizer intact. The entire crane, including X-SPANDER® attachment and maximum boom and jib, can be carried on just three trucks. Erection takes less than three hours, and can be completed without an assist crane.



**Manitowoc M-Series**  
*...the new generation of  
liftcrane performance!*

MANITOWOC ENGINEERING CO.  
500 South 16th Street, Manitowoc, WI 54221 USA  
Telephone: 414-684-6621 ■ Telefax: 414-683-6277

Form 6499

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## FRONT END ATTACHMENTS

**NO. 46 BOOM:** 21' (6.40M) butt; 10' (3.05M), 20' (6.10M), and 30' (9.15M) inserts; 19' (5.80M) open throat top. Rectangular box-section design. All-welded construction with tubular chords and lacings. All boom sections are 47" (1.19M) wide x 47" (1.19M) deep at pin-connected joints. Each insert matched with two 1½" (28mm) diameter, single-length pendants. Lower boom point equipped with five 20" (508mm) diameter sheaves. Optional detachable upper boom point has one 20" (508mm) diameter sheave. All sheaves are antifriction bearing mounted. Basic boom length 40' (12.20M); maximum length 190' (57.90M).

**BOOM RIGGING:** Single line reeved from boom hoist drums through sheaves on gantry and equalizer forms 10-part rigging. Equalizer is connected to boom point by two 1½" (28mm) diameter pendants.

**GANTRY AND BACKHITCH:** Gantry is fabricated plate with parallel box section legs. Supported on pins by rotating bed. Telescoping, link-type backhitch pin-connects to gantry and rotating bed. Gantry sheaves are antifriction bearing mounted. Grease lines piped to bottom of gantry simplify sheave lubrication.

**EQUALIZER:** Fabricated steel frame supports four vertical sheaves and two horizontal sheaves, all antifriction-bearing mounted.

**AUTOMATIC BOOM STOP:** Boom contacts push rod, stopping boom hoist operation when boom angle reaches 82° from horizontal.

**TELESCOPIC BOOM STOP:** Air-cushioned telescoping tubes pinned to boom and rotating bed start cushioning at 75° boom angle and provide positive physical stop at 85° from horizontal. Standard on liftcrane.

**WIRE ROPE GUIDE:** Two antifriction-bearing sheaves mounted in steel frame on upper side of boom top.

**NO. 130 JIB:** Optional. 7.5-ton (6.80-metric ton) maximum capacity. 30' (9.15M) basic length extendible to 40' (12.20M), 50' (15.25M), or 60' (18.30M) with 10' (3.05M) inserts and matching pendants.

Jib offset angle adjustable to 3, 15, or 30 degrees. All-welded construction with tubular chords and lacings. Rectangular box-section 27" (686mm) wide x 22" (559mm) deep at pin-connected joints. Jib point has 19⅞" (500mm) OD antifriction-bearing mounted sheave. Maximum boom-and-jib combination, 170' (51.82M) + 60' (18.29M) or 180' (54.86M) + 50' (15.24M).

## GENERAL

**MACHINERY ENCLOSURES:** Steel housings along sides of crane protect engine and hydraulic components. Enclosures swing open to permit access for service.

**OPERATOR'S STATION:** Fully enclosed and insulated steel module mounted at left front corner of rotating bed on vibration absorbing rubber cushions. Large rubber-mounted safety glass windows on all sides and in ceiling provide clear, wide-angle view. Sliding door on left side. Conveniently located controls. Electric signal horn, heater, windshield wiper, dome light, and circulating fan standard.

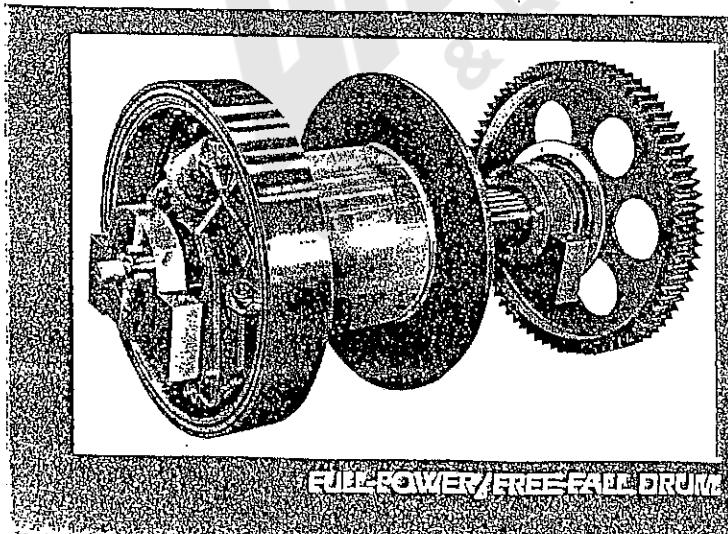
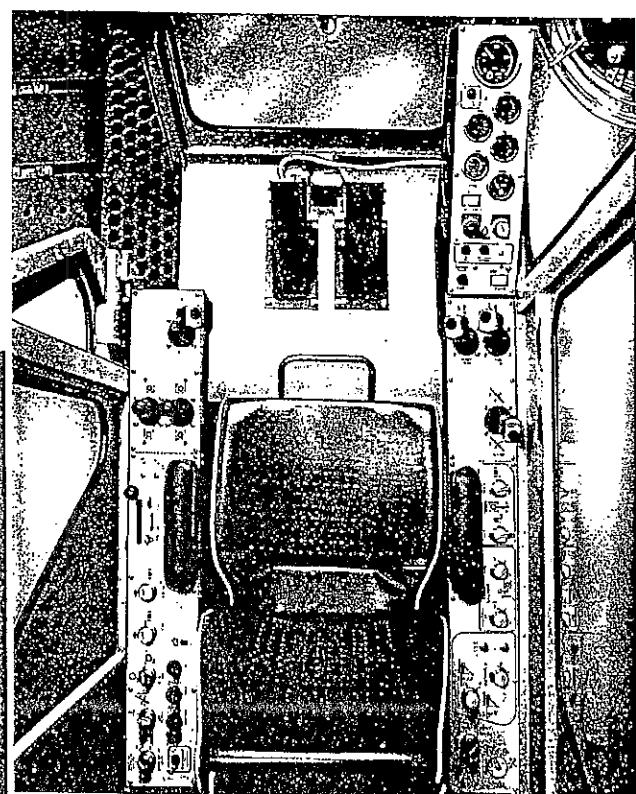
**SAFETY EQUIPMENT:** Load moment indicator, over-hoist limit switch, and audible swing alarm optional.

**CONTROLS:** All functions operated by electro-hydraulic controls, with speed directly proportional to control lever movement. First movement of boom hoist and travel controls releases parking brake; further movement increases speed. Movement of swing control lever immediately regulates power, and free swing exists when lever is in neutral position. Swing parking brake applied by separate switch. Controls for load drums can be operated in "full-power" (liftcrane) or "free-fall" (excavator) modes as applications require. Operator selects mode by positioning switch on control console. In full-power (liftcrane) mode, drum clutches always remain fully applied and loads are powered down using hydraulic system. In free-fall (excavator) mode, drum clutches release automatically when the control levers are in neutral position, and all lowering is controlled by pedal-operated service brakes. Additionally, mode-selector switch offers a "clamshell" setting that permits both drums to be controlled simultaneously with one lever. Drum speeds can be doubled by engaging selector switches that divert flow from travel pumps to drum motors.

**SWING SPEED:** Variable, 3.5 RPM maximum.

**TRAVEL SPEED:** Variable, 1.0 MPH (1.61 KPH) maximum.

**GRADEABILITY:** 30%.



LIFT/CRAVE/FREE-FALL DRUM

ERGONOMIC CONTROLS

**MANITOWOC ENGINEERING CO.**

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



**LIFTCRANE JIB CAPACITIES**

JIB NO. 130 WITH 12' STRUT ON  
BOOM NO. 46  
42,000 LB. COUNTERWEIGHT  
22'4" CRAWLERS EXTENDED  
360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

**M-65W**

CHART SUPPLEMENTS BOOM CAPACITY CHART NO. 7522-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 (16'8-1/2") AND GANTRY UP. REFER TO BOOM RIGGING NO. 168744, JIB ASSEMBLY NO. 168267 AND WIRE ROPE SPECIFICATION CHART NO. 7523-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.

MACHINE MAY BE OPERATED IN WINDS UP TO 15 MPH PROVIDED CRANE OPERATOR JUDGMENT IS USED TO ALLOW FOR WIND EFFECT ON THE LIFTED LOAD AND OTHER CONSIDERATIONS NOTED ON THE CAPACITY CHART ARE FOLLOWED. WIND WILL HAVE A CONSIDERABLE EFFECT ON A LOAD WITH A LARGE 'SAIL AREA' AND MUST BE COMPENSATED FOR ACCORDINGLY BY REDUCING LOAD RATINGS, REDUCING OPERATING SPEEDS OR BY A COMBINATION OF BOTH. RECOMMEND STOPPING OPERATION WHEN WIND IS ABOVE 15 MPH AND TIEING OFF OR LOWERING BOOM WHEN WIND IS ABOVE 35 MPH.

MACHINE TO TRAVEL ON A FIRM, LEVEL AND UNIFORMLY SUPPORTING SURFACE AND BOOM WITHIN THE BOOM ANGLE RANGE SHOWN IN CAPACITY CHART.

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 22'4" EXTENDIBLE CRAWLERS, 36" TREADS, 17' RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVEING, TWO 1-1/4" BOOM PENDANTS, 1ST COUNTERWEIGHT = 35,000 LBS., 2ND COUNTERWEIGHT = 7,000 LBS.  
MAXIMUM CAPACITY ON 3/4" - 6 X 25 EIPS, IWRC IS 15,000 LBS.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED			
BLOCKED CRAWLERS BOOM LGTH.	OVER SIDE OF EXTENDED CRAWLERS		
	JIB NO. 130	BOOM LGTH.	JIB NO. 130
190'	---	190'	---
180'	50'	180'	---
170'	60'	170'	40'
		160'	60'

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

**30 FOOT JIB**

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET		15 DEGREE OFFSET		30 DEGREE OFFSET		JIB OPER. RAD. FEET
		BOOM POINT ANG. DEG.	JIB ELEV. FEET	BOOM POINT ANG. DEG.	JIB ELEV. FEET	BOOM POINT ANG. DEG.	JIB ELEV. FEET	
70	25	79.2	104.8	15,000*	79.8	102.8	15,000*	25
	30	76.3	103.6	15,000*	76.8	101.3	15,000*	30
	35	73.4	102.1	15,000*	73.8	99.6	15,000*	35
	40	70.4	100.4	15,000*	70.7	97.5	15,000*	40
	45	67.3	98.3	15,000*	70.7	97.5	15,000*	45
	50	64.2	96.0	15,000*	67.5	95.1	15,000*	50
	55	61.0	93.2	15,000*	64.3	92.3	15,000*	55
	60	57.7	90.1	15,000*	60.9	89.2	15,000*	60
	65	54.2	86.6	15,000*	57.4	85.6	15,000*	65
	70	50.6	82.5	15,000*	53.7	81.5	15,000*	70
80	42.6	72.7	13,000	45.6	71.5	13,200	48.4	80
	90	33.1	59.2	11,100	35.9	57.7	11,200	90
	100	19.8	38.0	9,600				100



# LIFTCRANE JIB CAPACITIES

J NO. 130 WITH 12' STRUT ON

BUOM NO. 46

42,000 LB. COUNTERWEIGHT

22'4" CRAWLERS EXTENDED

360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

## 30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM POINT ANG. DEG.	JIB ELEV. FEET	CAPACITY POUNDS	BOOM POINT ANG. DEG.	JIB ELEV. FEET	CAPACITY POUNDS	BOOM POINT ANG. DEG.	JIB ELEV. FEET	CAPACITY POUNDS	
80	25	80.2	115.0	15,000*	80.7	113.1	15,000*				25
	30	77.6	113.9	15,000*	78.0	111.8	15,000*				30
	35	74.9	112.6	15,000*	75.3	110.2	15,000*	78.7	107.8	15,000*	35
	40	72.2	111.0	15,000*	75.9	108.3	15,000*	75.9	105.9	15,000*	40
	45	69.5	109.2	15,000*	72.5						45
	50	66.7	107.1	15,000*	69.7	106.2	15,000*	73.0	103.7	15,000*	50
	55	63.8	104.6	15,000*	66.8	103.7	15,000*	70.0	101.2	15,000*	55
	60	60.9	101.9	15,000*	63.9	100.9	15,000*	67.0	98.3	14,500*	60
	65	57.9	98.8	15,000*	60.8	97.8	15,000*	63.8	95.1	14,000*	65
	70	54.7	95.3	15,000*	57.6	94.3	15,000*	60.6	91.5	13,600*	70
90	80	48.0	87.0	12,800	50.9	85.9	12,900	53.5	82.7	12,900*	80
	90	40.5	76.3	10,800	43.2	75.0	10,900				90
	100	31.5	62.0	9,300	34.0	60.4	9,400				100
	30	78.6	124.2	15,000*							30
	35	76.2	123.0	15,000*	79.0	122.1	15,000*				35
	40	73.8	121.5	15,000*	76.6	120.7	15,000*	79.7	118.2	15,000*	40
	45	71.3	119.9	15,000*	74.1	119.0	15,000*	77.1	116.5	15,000*	45
	50	68.7	117.9	15,000*	71.5	117.0	15,000*	74.5	114.5	15,000*	50
	55	66.2	115.8	15,000*	68.9	114.8	15,000*	71.9	112.3	15,000*	55
	60	63.5	113.3	15,000*	66.3	112.3	15,000*	69.2	109.7	14,900*	60
100	65	60.8	110.5	15,000*	63.5	109.6	15,000*	66.4	106.9	14,400*	65
	70	58.1	107.5	15,000*	60.7	106.5	15,000*	63.5	103.7	14,000*	70
	80	52.2	100.2	12,600	54.8	99.1	12,800	57.4	96.1	13,000	80
	90	45.9	91.2	10,600	48.4	90.0	10,800	50.7	86.7	10,900	90
	100	38.7	79.8	9,100	41.1	78.4	9,200				100
	110	30.1	64.6	7,900	32.3	62.9	7,900				110
	30	79.5	134.4	15,000*							30
	35	77.3	133.3	15,000*	79.9	132.4	15,000*	80.5	128.6	15,000*	35
	40	75.0	132.0	15,000*	77.6	131.1	15,000*	78.2	127.0	15,000*	40
	45	72.7	130.4	15,000*	75.3	129.5	15,000*	75.8	125.2	15,000*	45
110	50	70.4	128.7	15,000*	73.0	127.8	15,000*	73.4	123.2	15,000*	50
	55	68.1	126.7	15,000*	70.6	125.8	15,000*	70.9	120.9	15,000*	55
	60	65.7	124.5	15,000*	68.2	123.5	15,000*	68.4	118.3	14,800*	60
	65	63.3	122.0	15,000*	65.8	121.0	15,000*	65.8	115.4	14,400*	65
	70	60.8	119.2	14,900	63.3	118.2	15,000*	60.5	108.8	12,800	70
	80	55.6	112.8	12,400	58.0	111.7	12,600				80
	90	50.0	104.9	10,400	52.4	103.8	10,600	54.7	100.6	10,700	90
	100	44.0	95.3	8,900	46.3	94.0	9,000	48.3	90.4	9,100	100
	110	37.1	83.2	7,600	39.3	81.7	7,700				110
	120	28.9	67.2	6,600							120
110	30	80.3	144.6	15,000*							30
	35	78.2	143.6	15,000*	80.6	142.7	15,000*				35
	40	76.1	142.3	15,000*	78.5	141.4	15,000*				40
	45	74.0	140.9	15,000*	76.4	140.0	15,000*	79.1	137.5	15,000*	45
	50	71.9	139.3	15,000*	74.3	138.4	15,000*	76.9	135.8	15,000*	50
	55	69.7	137.5	15,000*	72.1	136.5	15,000*	74.7	133.9	15,000*	55
	60	67.5	135.4	15,000*	69.9	134.5	15,000*	72.4	131.8	15,000*	60
	65	65.3	133.2	15,000*	67.7	132.2	15,000*	70.1	129.5	15,000*	65
	70	63.0	130.6	14,700	65.4	129.6	15,000*	67.8	126.9	14,700*	70
	80	58.3	124.8	12,100	60.6	123.8	12,300	63.0	120.9	12,600	80
120	90	53.4	117.8	10,200	55.6	116.7	10,300	57.8	113.6	10,500	90
	100	48.1	109.4	8,600	50.3	108.2	8,800	52.3	104.8	8,900	100
	110	42.3	99.1	7,400	44.4	97.8	7,500	46.2	94.0	7,600	110
	120	35.7	86.4	6,400	37.7	84.8	6,400				120
	130	27.8	69.6	5,500							130

**NOTICE:** This capacity chart is for reference use only and must not be used for a specific serial number crane. Serial numbered laminated capacity charts for a specific crane can be purchased from an authorized Manitowoc Distributor.

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

JIB NO. 130 WITH 12' STRUT ON  
BOOM NO. 46

42,000 LB. COUNTERWEIGHT  
22'4" CRAWLERS EXTENDED  
360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

### 30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM POINT ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM POINT ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM POINT ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
120	30	80.9	154.8	15,000*							30
	35	79.0	153.8	15,000*							35
	40	77.0	152.7	15,000*	79.3	151.7	15,000*				40
	45	75.1	151.3	15,000*	77.4	150.4	15,000*	79.8	147.8	15,000*	45
	50	73.1	149.8	15,000*	75.4	148.9	15,000*	77.8	146.3	15,000*	50
	55	71.1	148.1	15,000*	73.3	147.2	15,000*	75.8	144.6	15,000*	55
	60	69.1	146.3	15,000*	71.3	145.3	15,000*	73.7	142.6	15,000*	60
	65	67.0	144.2	15,000*	69.2	143.2	15,000*	71.6	140.5	15,000*	65
	70	65.0	141.8	14,500	67.1	140.8	14,800	69.4	138.1	15,000*	70
	80	60.7	136.5	11,900	62.8	135.5	12,200	65.0	132.6	12,500	80
	90	56.2	130.2	10,000	58.3	129.1	10,200	60.4	126.1	10,400	90
	100	51.4	122.6	8,400	53.5	121.5	8,600	55.5	118.2	8,800	100
	110	46.3	113.6	7,200	48.4	112.4	7,300	50.2	108.9	7,500	110
	120	40.8	102.8	6,200	42.7	101.4	6,300				120
	130	34.4	89.4	5,300	36.3	87.8	5,400				130
	140	26.8	72.0	4,600							140
130	35	79.7	164.0	15,000*							35
	40	77.9	162.9	15,000*	80.0	162.0	15,000*				40
	45	76.0	161.7	15,000*	78.2	160.8	15,000*	80.5	158.2	15,000*	45
	50	74.2	160.3	15,000*	76.3	159.4	15,000*	78.6	156.7	15,000*	50
	55	72.3	158.7	15,000*	74.4	157.8	15,000*	76.7	155.1	15,000*	55
	60	70.4	157.0	15,000*	72.5	156.0	15,000*	74.8	153.3	15,000*	60
	65	68.5	155.0	15,000*	70.6	154.0	15,000*	72.8	151.3	15,000*	65
	70	66.6	152.9	14,300	68.7	151.9	14,600	70.9	149.1	15,000*	70
	80	62.7	148.0	11,700	64.7	146.9	12,000	66.8	144.1	12,300	80
	90	58.5	142.1	9,800	60.6	141.1	10,000	62.6	138.1	10,200	90
	100	54.2	135.3	8,200	56.2	134.2	8,400	58.1	131.0	8,600	100
	110	49.7	127.3	7,000	51.6	126.1	7,100	53.4	122.7	7,300	110
	120	44.8	117.8	6,000	46.7	116.4	6,100	48.3	112.8	6,200	120
	130	39.4	106.4	5,100	41.2	104.9	5,200				130
	140	33.3	92.4	4,400	35.0	90.7	4,400				140
	150	25.9	74.2	3,700							150
140	35	80.3	174.2	15,000*							35
	40	78.6	173.2	15,000*	80.6	172.2	15,000*				40
	45	76.9	172.0	15,000*	78.9	171.1	15,000*				45
	50	75.1	170.7	15,000*	77.1	169.8	15,000*	79.3	167.1	15,000*	50
	55	73.4	169.2	15,000*	75.4	168.3	15,000*	77.5	165.6	15,000*	55
	60	71.6	167.6	15,000*	73.6	166.6	15,000*	75.7	163.9	15,000*	60
	65	69.9	165.8	15,000*	71.8	164.8	15,000*	73.9	162.1	15,000*	65
	70	68.1	163.8	14,000	70.0	162.8	14,400	72.1	160.0	14,800	70
	80	64.4	159.2	11,500	66.3	158.2	11,800	68.3	155.3	12,100	80
	90	60.6	153.8	9,500	62.5	152.8	9,800	64.4	149.8	10,000	90
	100	56.6	147.6	8,000	58.5	146.4	8,200	60.3	143.4	8,400	100
	110	52.5	140.2	6,700	54.3	139.1	6,900	56.1	136.8	7,100	110
	120	48.1	131.7	5,700	49.9	130.5	5,800	51.5	127.0	6,000	120
	130	43.4	121.7	4,800	45.1	120.4	5,000	46.6	116.6	5,100	130
	140	38.2	109.8	4,100	39.8	108.3	4,200				140
	150	32.3	95.3	3,500	33.8	93.5	3,600				150
150	35	80.8	184.3	15,000*							35
	40	79.2	183.4	15,000*							40
	45	77.6	182.3	15,000*	79.5	181.4	15,000*				45
	50	76.0	181.1	15,000*	77.9	180.1	15,000*	79.9	177.4	15,000*	50
	55	74.3	179.7	15,000*	76.2	178.7	15,000*	78.3	176.0	15,000*	55
	60	72.7	178.1	15,000*	74.6	177.2	15,000*	76.6	174.4	15,000*	60
	65	71.0	176.4	15,000*	72.9	175.4	15,000*	74.9	172.7	15,000*	65
	70	69.3	174.6	13,900	71.2	173.6	14,300	73.1	170.8	14,700	70
	80	65.9	170.3	11,300	67.7	169.3	11,600	69.6	166.4	12,000	80
	90	62.4	165.3	9,300	64.2	164.2	9,600	66.0	161.3	9,900	90
	100	58.7	159.5	7,800	60.5	158.4	8,000	62.3	155.3	8,300	100
	110	54.9	152.8	6,500	56.7	151.6	6,700	58.3	148.4	6,900	110
	120	50.9	145.0	5,500	52.6	143.8	5,700	54.2	140.4	5,900	120
	130	46.7	136.0	4,700	48.3	134.7	4,800	49.8	131.1	4,900	130
	140	42.1	125.6	3,900	43.7	124.1	4,100				140
	150	37.0	113.2	3,300	38.6	111.6	3,400				150

Laminated capacity charts for a specific crane can be purchased from  
an authorized Manitowoc Distributor.

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

NO. 130 WITH 12' STRUT ON  
BUOM NO. 46  
42,000 LB. COUNTERWEIGHT  
22'4" CRAWLERS EXTENDED  
360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

### 30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			15 DEGREE OFFSET			30 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>160</b>	40	79.8	193.6	15,000*							40
	45	78.3	192.6	15,000*	80.1	191.6	15,000*	80.5	187.7	15,000*	45
	50	76.7	191.4	15,000*	78.5	190.4	15,000*	78.9	186.4	15,000*	50
	55	75.2	190.1	15,000*	77.0	189.1	15,000*	77.3	184.9	15,000*	55
	60	73.6	188.6	15,000*	75.4	187.6	15,000*				60
	65	72.0	187.0	15,000*	73.8	186.0	15,000*	75.7	183.3	15,000*	65
	70	70.5	185.2	13,700	72.2	184.2	14,100	74.1	181.5	14,500	70
	80	67.2	181.2	11,100	69.0	180.2	11,400	70.8	177.4	11,800	80
	90	63.9	176.6	9,100	65.6	175.5	9,400	67.4	172.6	9,700	90
	100	60.5	171.2	7,600	62.2	170.1	7,800	63.9	167.1	8,100	100
	110	57.0	164.9	6,300	58.7	163.8	6,500	60.3	160.7	6,800	110
	120	53.3	157.8	5,300	55.0	156.6	5,500	56.5	153.3	5,700	120
	130	49.4	149.6	4,500	51.1	148.4	4,600	52.5	144.9	4,800	130
	140	45.3	140.2	3,700	46.9	138.9	3,900	48.3	135.1	4,000	140
	150	40.9	129.3	3,100	42.4	127.8	3,200				150
<b>170</b>	40	80.3	203.8	15,000*							40
	45	78.9	202.8	15,000*	80.6	201.8	15,000*				45
	50	77.4	201.7	15,000*	79.1	200.7	15,000*	81.0	198.0	14,500*	50
	55	75.9	200.4	15,000*	77.6	199.5	15,000*	79.5	196.7	14,400*	55
	60	74.5	199.1	15,000*	76.1	198.1	15,000*	78.0	195.3	14,300*	60
	65	73.0	197.5	15,000*	74.7	196.5	15,000*	76.5	193.8	14,200*	65
	70	71.5	195.9	13,400	73.1	194.9	13,900	74.9	192.1	14,100*	70
	80	68.4	192.1	10,800	70.1	191.1	11,200	71.8	188.2	11,600	80
	90	65.3	187.7	8,900	67.0	186.6	9,200	68.7	183.7	9,500	90
	100	62.1	182.6	7,300	63.8	181.5	7,600	65.4	178.6	7,900	100
	110	58.6	176.8	6,100	60.4	175.7	6,300	62.0	172.6	6,600	110
	120	55.4	170.2	5,100	57.0	169.0	5,300	58.5	165.8	5,500	120
	130	51.9	162.7	4,200	53.4	161.5	4,400	54.9	158.1	4,500	130
	140	48.1	154.1	3,500	49.6	152.8	3,600	51.0	149.2	3,800	140
	150			45.6	142.9		3,000	46.9	139.0	3,100	150
<b>180</b>	40	80.8	213.9	15,000*							40
	45	79.4	213.0	15,000*							45
	50	78.0	211.9	15,000*	79.6	211.0	13,800*				50
	55	76.6	210.8	14,000*	78.2	209.8	13,700*	80.0	207.0	12,800*	55
	60	75.2	209.4	13,800*	76.8	208.5	13,500*	78.6	205.7	12,700*	60
	65	73.8	208.0	13,600*	75.4	207.0	13,400*	77.1	204.2	12,600*	65
	70	72.4	206.4	13,300	74.0	205.4	13,200*	75.7	202.6	12,500*	70
	80	69.5	202.9	10,700	71.1	201.8	11,100	72.8	199.0	11,500	80
	90	66.6	198.7	8,700	68.1	197.7	9,000	69.8	194.8	9,400	90
	100	63.6	193.9	7,200	65.1	192.8	7,400	66.7	189.9	7,700	100
	110	60.5	188.5	5,900	62.0	187.4	6,200	63.5	184.3	6,400	110
	120	57.3	182.3	4,900	58.8	181.1	5,100	60.3	178.0	5,300	120
	130	54.0	175.3	4,000	55.5	174.1	4,200	56.9	170.8	4,400	130
	140	50.5	167.4	3,300	52.0	166.1	3,500	53.3	162.7	3,600	140

**NOTICE:** This capacity chart is for reference use only and must not be used for a specific serial number crane. Serial numbered laminated capacity charts for a specific crane can be purchased from an authorized Manitowoc Distributor.

# MANITOWOC ENGINEERING CO.

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



M-65W

## LIFTCRANE JIB CAPACITIES

JIB NO. 130 WITH 12' STRUT ON  
BOOM NO. 46  
42,000 LB. COUNTERWEIGHT  
22'4" CRAWLERS EXTENDED  
360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

### 40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM POINT ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM POINT ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM POINT ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
70	25	80.9	115.0	15,000*							25
	30	78.2	113.9	15,000*							30
	35	75.6	112.6	15,000*	79.7	111.5	15,000*				35
	40	72.9	111.0	15,000*	77.0	109.9	15,000*				40
	45	70.1	109.1	15,000*	74.2	108.0	15,000*	78.8	105.1	13,900*	45
	50	67.3	107.0	15,000*	71.4	105.9	15,000*	75.8	102.9	13,300*	50
	55	64.5	104.6	15,000*	68.5	103.4	15,000*	72.9	100.3	12,700*	55
	60	61.5	101.8	15,000*	65.5	100.7	15,000*	69.8	97.5	12,200*	60
	65	58.5	98.7	15,000*	62.4	97.5	15,000*	66.6	94.2	11,700*	65
	70	55.4	95.3	15,000*	59.3	94.0	15,000*	63.3	90.6	11,300*	70
80	80	48.7	87.0	13,200	52.5	85.6	13,400	56.2	81.7	10,600*	80
	90	41.1	76.3	11,200	44.8	74.7	11,400	48.1	70.2	10,100*	90
	100	32.1	61.9	9,700	35.5	59.9	9,800				100
	30	79.2	124.2	15,000*							30
	35	76.8	122.9	15,000*	80.6	121.8	15,000*				35
	40	74.3	121.5	15,000*	78.1	120.4	15,000*				40
90	45	71.8	119.8	15,000*	75.6	118.7	15,000*	79.8	115.6	13,600*	45
	50	69.3	117.9	15,000*	73.0	116.7	15,000*	77.2	113.7	13,300*	50
	55	66.7	115.7	15,000*	70.4	114.5	15,000*	74.5	111.4	13,000*	55
	60	64.1	113.3	15,000*	67.8	112.1	15,000*	71.7	108.8	12,600*	60
	65	61.4	110.5	15,000*	65.0	109.3	15,000*	68.9	105.9	12,100*	65
	70	58.6	107.4	15,000*	62.2	106.1	15,000*	66.0	102.7	11,700*	70
	80	52.8	100.2	12,900	56.3	98.8	13,100	59.9	95.1	11,000*	80
	90	46.4	91.2	10,900	49.8	89.7	11,100	53.1	85.5	10,400*	90
	100	39.3	79.8	9,400	42.5	78.0	9,500				100
	110	30.7	64.6	8,200	33.7	62.3	8,200				110
100	30	80.0	134.4	15,000*							30
	35	77.8	133.3	15,000*							35
	40	75.6	131.9	15,000*	79.0	130.8	15,000*				40
	45	73.3	130.4	15,000*	76.7	129.2	15,000*	80.6	126.1	14,100*	45
	50	71.0	128.6	15,000*	74.4	127.5	15,000*	78.2	124.3	13,800*	50
	55	68.6	126.6	15,000*	72.0	125.4	15,000*	75.8	122.2	13,400*	55
	60	66.2	124.4	15,000*	69.6	123.2	15,000*	73.3	119.9	12,900*	60
	65	63.8	121.9	15,000*	67.2	120.7	15,000*	70.8	117.3	12,400*	65
	70	61.3	119.2	15,000*	64.6	117.9	15,000*	68.2	114.4	12,000*	70
	80	56.1	112.7	12,700	59.4	111.4	13,000	62.7	107.7	11,300*	80
110	90	50.5	104.8	10,800	53.8	103.4	11,000	56.9	99.4	10,800*	90
	100	44.5	95.2	9,200	47.6	93.6	9,400	50.4	89.1	9,500	100
	110	37.6	83.1	8,000	40.6	81.2	8,100				110
	120	29.4	67.1	7,000	32.1	64.7	7,000				120
	30	80.8	144.6	15,000*							30
	35	78.7	143.5	15,000*							35
120	40	76.6	142.3	15,000*	79.9	141.1	15,000*				40
	45	74.5	140.9	15,000*	77.7	139.7	15,000*				45
	50	72.4	139.3	15,000*	75.6	138.1	15,000*	79.1	134.8	14,200*	50
	55	70.2	137.4	15,000*	73.4	136.2	15,000*	76.9	132.9	13,600*	55
	60	68.0	135.4	15,000*	71.2	134.1	15,000*	74.6	130.8	13,200*	60
	65	65.8	133.1	15,000*	68.9	131.8	15,000*	72.3	128.4	12,700*	65
	70	63.5	130.6	15,000*	66.6	129.3	15,000*	70.0	125.8	12,300*	70
	80	58.8	124.8	12,500	61.9	123.4	12,800	65.1	119.8	11,600*	80
	90	53.9	117.7	10,500	56.9	116.3	10,800	59.9	112.4	11,000	90
	100	48.6	109.3	9,000	51.5	107.7	9,200	54.3	103.5	9,400	100
	110	42.7	99.0	7,800	45.6	97.3	7,900	48.1	92.6	8,000	110
	120	36.2	86.3	6,700	38.9	84.3	6,800				120
	130	28.2	69.5	5,900							130

This chart is issued for a specific serial number. Serial number  
laminated capacity charts for a specific crane can be purchased from  
an authorized Manitowoc Distributor.

# MANITOWOC ENGINEERING CO.

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



M-65W

## LIFTCRANE JIB CAPACITIES

JIR NO. 130 WITH 12' STRUT ON

BL M NO. 46

42,000 LB. COUNTERWEIGHT

22'4" CRAWLERS EXTENDED

360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

### 40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. DEG.	3 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM POINT ANG. DEG.	ELEV. FEET	CAPACITY POUNDS	BOOM POINT ANG. DEG.	ELEV. FEET	CAPACITY POUNDS	BOOM POINT ANG. DEG.	ELEV. FEET	CAPACITY POUNDS	
110	35	79.4	153.8	15,000*	80.5	151.4	15,000*	79.9	145.3	14,400*	35
	40	77.5	152.6	15,000*	80.5	151.4	15,000*				40
	45	75.5	151.3	15,000*	78.6	150.1	15,000*				45
	50	73.6	149.8	15,000*	76.6	148.6	15,000*				50
	55	71.6	148.1	15,000*	74.6	146.9	15,000*				55
	60	69.5	146.2	15,000*	72.5	144.9	15,000*	75.8	141.6	13,400*	60
	65	67.5	144.1	15,000*	70.4	142.8	15,000*	73.6	139.4	13,000*	65
	70	65.4	141.8	14,800	68.3	140.5	15,000*	71.5	137.0	12,600*	70
	80	61.1	136.5	12,200	64.0	135.1	12,600	67.0	131.5	11,900*	80
	90	56.6	130.1	10,300	59.5	128.7	10,500	62.3	124.9	10,800	90
	100	51.9	122.6	8,700	54.7	121.1	9,000	57.4	117.0	9,200	100
	110	46.8	113.6	7,500	49.5	111.9	7,700	52.0	107.5	7,800	110
	120	41.2	102.7	6,500	43.8	100.9	6,600				120
	130	34.9	89.3	5,600	37.3	87.2	5,700				130
	140	27.2	71.9	4,900							140
120	35	80.1	164.0	15,000*							35
	40	78.3	162.9	15,000*							40
	45	76.5	161.7	15,000*	79.3	160.4	15,000*				45
	50	74.6	160.3	15,000*	77.4	159.0	15,000*	80.6	155.7	14,500*	50
	55	72.8	158.7	15,000*	75.6	157.4	15,000*	78.7	154.0	14,100*	55
	60	70.9	156.9	15,000*	73.7	155.6	15,000*	76.7	152.2	13,600*	60
	65	69.0	155.0	15,000*	71.7	153.7	15,000*	74.8	150.2	13,200*	65
	70	67.0	152.8	14,600	69.8	151.5	15,000*	72.8	148.0	12,900*	70
	80	63.1	147.9	12,100	65.8	146.6	12,400	68.7	142.9	12,200*	80
	90	59.0	142.1	10,100	61.7	140.7	10,400	64.4	136.9	10,700	90
	100	54.7	135.2	8,500	57.3	133.8	8,800	59.9	129.7	9,000	100
	110	50.1	127.2	7,300	52.7	125.6	7,500	55.1	121.3	7,700	110
	120	45.2	117.7	6,300	47.7	116.0	6,400	50.0	111.3	6,600	120
	130	39.8	106.3	5,400	42.2	104.4	5,500				130
	140	33.7	92.3	4,700	36.0	90.1	4,800				140
	150	26.3	74.1	4,000							150
130	35	80.7	174.1	15,000*							35
	40	79.0	173.1	15,000*							40
	45	77.3	172.0	15,000*	79.9	170.7	15,000*				45
	50	75.5	170.7	15,000*	78.2	169.4	15,000*	79.4	164.5	13,600*	50
	55	73.8	169.2	15,000*	76.4	167.9	15,000*				55
	60	72.0	167.5	15,000*	74.7	166.2	15,000*	77.6	162.8	13,500*	60
	65	70.3	165.7	15,000*	72.9	164.4	15,000*	75.7	160.9	13,400*	65
	70	68.5	163.7	14,400	71.1	162.4	14,900	73.9	158.9	13,100*	70
	80	64.8	159.2	11,800	67.4	157.8	12,200	70.1	154.2	12,400*	80
	90	61.0	153.8	9,900	63.5	152.4	10,200	66.1	148.6	10,500	90
	100	57.0	147.5	8,300	59.5	146.0	8,600	62.0	142.1	8,900	100
	110	52.9	140.2	7,100	55.3	138.6	7,300	57.7	134.4	7,500	110
	120	48.5	131.7	6,100	50.9	130.0	6,200	53.1	125.5	6,400	120
	130	43.8	121.7	5,200	46.1	119.9	5,300	48.1	114.9	5,500	130
	140	38.6	109.7	4,500	40.8	107.7	4,600				140
	150	32.6	95.2	3,800	34.7	92.8	3,900				150
	160	25.5	76.3	3,300							160
140	40	79.6	183.3	15,000*							40
	45	78.0	182.3	15,000*	80.5	181.0	15,000*				45
	50	76.4	181.0	15,000*	78.9	179.7	15,000*	80.0	174.9	13,000*	50
	55	74.7	179.6	15,000*	77.2	178.3	15,000*	78.3	173.3	12,900*	55
	60	73.1	178.1	15,000*	75.6	176.8	15,000*				60
	65	71.4	176.4	15,000*	73.9	175.1	15,000*	76.6	171.5	12,700*	65
	70	69.7	174.5	14,200	72.2	173.2	14,700	74.8	169.6	12,600*	70
	80	66.3	170.2	11,600	68.7	168.9	12,000	71.3	165.2	12,400*	80
	90	62.7	165.2	9,600	65.2	163.8	10,000	67.7	160.1	10,300	90
	100	59.1	159.4	8,100	61.5	158.0	8,400	63.9	154.0	8,700	100
	110	55.3	152.7	6,800	57.6	151.2	7,100	59.9	147.1	7,300	110
	120	51.3	145.0	5,800	53.6	143.3	6,000	55.7	139.0	6,200	120
	130	47.0	136.0	4,900	49.3	134.2	5,100	51.3	129.6	5,300	130
	140	42.4	125.5	4,200	44.6	123.6	4,400				140
	150	37.4	113.1	3,600	39.5	111.0	3,700				150
	160	31.7	97.9	3,000	33.6	95.5	3,100				160

**NOTICE:** This capacity chart is for reference use only and must not be used for a specific serial number crane. Serial numbered laminated capacity charts for a specific crane can be purchased from an authorized Manitowoc Distributor.

*Manitowoc***LIFTCRANE JIB CAPACITIES**

JIB NO. 130 WITH 12' STRUT ON  
 BOOM NO. 46  
 42,000 LB. COUNTERWEIGHT  
 22'4" CRAWLERS EXTENDED  
 360 DEGREE RATING

 MEETS  
 ANSI B30.5  
 REQUIREMENTS
**M-65W****40 FOOT JIB**

BOOM LGTH. FEET	JIB OPER. RAD. DEG. FEET	3 DEGREE OFFSET			15 DEGREE OFFSET			30 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	80.2	193.5	15,000*							40
	45	78.6	192.5	15,000*							45
	50	77.1	191.3	15,000*	79.5	190.0	15,000*				50
	55	75.5	190.0	15,000*	77.9	188.7	15,000*	80.6	185.2	12,400*	55
	60	74.0	188.6	15,000*	76.4	187.3	15,000*	79.0	183.7	12,300*	60
	65	72.4	187.0	15,000*	74.8	185.6	15,000*	77.3	182.1	12,200*	65
	70	70.8	185.2	14,000	73.2	183.9	14,600	75.7	180.3	12,100*	70
	80	67.6	181.2	11,400	69.9	179.8	11,900	72.4	176.2	11,900*	80
	90	64.3	176.5	9,500	66.6	175.1	9,800	69.0	171.3	10,200	90
	100	60.9	171.1	7,900	63.1	169.6	8,200	65.5	165.8	8,500	100
	110	57.4	164.9	6,700	59.6	163.4	6,900	61.8	159.3	7,200	110
	120	53.7	157.7	5,600	55.9	156.2	5,900	58.0	151.9	6,100	120
	130	49.8	149.6	4,800	52.0	147.9	5,000	54.0	143.4	5,100	130
	140	45.7	140.1	4,000	47.8	138.3	4,200	49.6	133.5	4,300	140
	150	41.2	129.2	3,400	43.3	127.3	3,500				150
	160			38.3	114.1		3,000				160
<b>160</b>	40	80.7	203.7	15,000*							40
	45	79.2	202.7	15,000*							45
	50	77.7	201.6	15,000*	80.0	200.3	15,000*				50
	55	76.3	200.4	15,000*	78.5	199.1	15,000*				55
	60	74.8	199.0	15,000*	77.1	197.7	15,000*	79.5	194.1	11,800*	60
	65	73.3	197.5	15,000*	75.6	196.1	14,900*	78.0	192.6	11,700*	65
	70	71.8	195.8	13,800	74.0	194.5	14,400	76.5	190.9	11,600*	70
	80	68.8	192.0	11,200	71.0	190.7	11,700	73.3	187.0	11,400*	80
	90	65.7	187.6	9,300	67.8	186.2	9,600	70.1	182.5	10,100	90
	100	62.5	182.6	7,700	64.6	181.1	8,000	66.9	177.2	8,400	100
	110	59.2	176.8	6,400	61.3	175.3	6,700	63.5	171.2	7,000	110
	120	55.8	170.1	5,400	57.9	168.6	5,700	59.9	164.4	5,900	120
	130	52.2	162.6	4,600	54.3	161.0	4,800	56.2	156.6	5,000	130
	140	48.4	154.0	3,800	50.5	152.3	4,000	52.3	147.6	4,200	140
	150	44.5	144.2	3,200	46.4	142.3	3,300	48.1	137.3	3,500	150
<b>170</b>	45	79.7	212.9	14,200*							45
	50	78.3	211.9	14,100*	80.5	210.6	13,500*				50
	55	76.9	210.7	13,900*	79.1	209.4	13,400*				55
	60	75.5	209.4	13,800*	77.7	208.1	13,300*	80.1	204.5	11,300*	60
	65	74.1	207.9	13,700*	76.3	206.6	13,200*	78.6	203.0	11,200*	65
	70	72.7	206.4	13,600*	74.8	205.0	13,100*	77.2	201.4	11,200*	70
	80	69.8	202.8	11,000	71.9	201.4	11,500	74.2	197.7	11,000*	80
	90	66.9	198.6	9,000	69.0	197.2	9,400	71.2	193.5	9,900	90
	100	63.9	193.9	7,500	66.0	192.4	7,800	68.1	188.6	8,200	100
	110	60.8	188.4	6,200	62.8	186.9	6,500	64.9	182.9	6,800	110
	120	57.6	182.2	5,200	59.6	180.7	5,400	61.6	176.6	5,700	120
	130	54.3	175.2	4,300	56.3	173.6	4,500	58.2	169.3	4,800	130
	140	50.8	167.3	3,600	52.8	165.6	3,800	54.6	161.1	4,000	140
	150				49.1	156.6	3,100	50.8	151.8	3,300	150
<b>180</b>	45	80.2	223.1	12,600*							45
	50	78.9	222.1	12,500*	80.9	220.8	12,000*				50
	55	77.5	221.0	12,400*	79.6	219.7	11,900*				55
	60	76.2	219.7	12,200*	78.3	218.4	11,800*	80.5	214.8	10,700*	60
	65	74.9	218.4	12,100*	76.9	217.0	11,700*	79.2	213.4	10,600*	65
	70	73.5	216.9	11,900*	75.6	215.5	11,600*	77.8	211.9	10,500*	70
	80	70.8	213.5	10,800	72.8	212.1	11,300	75.0	208.4	10,400*	80
	90	68.0	209.5	8,800	70.0	208.1	9,300	72.1	204.4	9,700	90
	100	65.2	205.0	7,300	67.1	203.6	7,700	69.2	199.7	8,100	100
	110	62.2	199.9	6,000	64.2	198.4	6,400	66.2	194.4	6,700	110
	120	59.3	194.1	5,000	61.2	192.6	5,300	63.1	188.5	5,600	120
	130	56.2	187.5	4,100	58.1	186.0	4,400	59.9	181.7	4,600	130
	140	52.9	180.2	3,400	54.8	178.5	3,600	56.6	174.1	3,800	140
	150							53.1	165.5	3,100	150

 laminated capacity charts for a specific crane can be purchased  
 from an authorized Manitowoc Distributor.

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

JIB NO. 130 WITH 12' STRUT ON

BOOM NO. 46

42,000 LB. COUNTERWEIGHT

22'4" CRAWLERS EXTENDED

360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

### 50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM POINT ANG. DEG.	JIB ELEV. FEET	CAPACITY POUNDS	BOOM POINT ANG. DEG.	JIB ELEV. FEET	CAPACITY POUNDS	BOOM POINT ANG. DEG.	JIB ELEV. FEET	CAPACITY POUNDS	
70	30	79.4	124.2	15,000*							30
	35	77.0	123.0	15,000*							35
	40	74.5	121.5	15,000*	79.3	120.3	15,000*				40
	45	72.0	119.8	15,000*	76.8	118.7	15,000*				45
	50	69.5	117.9	15,000*	74.2	116.7	15,000*	79.5	113.4	12,300*	50
	55	66.9	115.7	15,000*	71.6	114.5	15,000*	76.9	111.1	11,700*	55
	60	64.3	113.3	15,000*	68.9	112.0	15,000*	74.1	108.5	11,200*	60
	65	61.6	110.5	15,000*	66.2	109.2	15,000*	71.3	105.6	10,700*	65
	70	58.8	107.4	15,000*	63.4	106.1	14,600*	68.4	102.4	10,300*	70
	80	53.0	100.2	13,200	57.5	98.8	12,900*	62.2	94.8	9,500*	80
	90	46.6	91.2	11,300	51.0	89.6	11,500	55.4	85.1	8,800*	90
	100	39.5	79.8	9,700	43.7	77.9	9,900	47.6	72.7	8,300*	100
	110	30.9	64.6	8,500	34.8	62.3	8,600				110
80	30	80.2	134.4	15,000*							30
	35	78.0	133.3	15,000*							35
	40	75.7	131.9	15,000*	80.1	130.7	15,000*				40
	45	73.5	130.4	15,000*	77.8	129.2	15,000*				45
	50	71.1	128.6	15,000*	75.5	127.4	15,000*	80.4	123.9	10,900*	50
	55	68.8	126.7	15,000*	73.1	125.4	15,000*	78.0	121.9	10,700*	55
	60	66.4	124.4	15,000*	70.7	123.1	15,000*	75.5	119.5	10,500*	60
	65	64.0	121.9	15,000*	68.2	120.6	15,000*	72.9	116.9	10,300*	65
	70	61.5	119.2	15,000*	65.7	117.8	15,000*	70.3	114.0	10,100*	70
	80	56.3	112.7	13,000	60.5	111.3	13,300	64.9	107.3	9,700*	80
	90	50.7	104.9	11,000	54.8	103.3	11,300	59.0	98.9	9,200*	90
	100	44.7	95.2	9,500	48.7	93.5	9,700	52.5	88.6	8,600*	100
	120	29.6	67.1	7,200	33.1	64.6	7,300				120
90	30	80.9	144.6	15,000*							30
	35	78.9	143.5	15,000*							35
	40	76.8	142.3	15,000*	80.9	141.0	15,000*				40
	45	74.7	140.9	15,000*	78.7	139.6	15,000*				45
	50	72.5	139.3	15,000*	76.6	138.0	15,000*				50
	55	70.4	137.4	15,000*	74.4	136.1	15,000*	78.9	132.5	11,100*	55
	60	68.2	135.4	15,000*	72.2	134.1	15,000*	76.6	130.4	10,900*	60
	65	66.0	133.1	15,000*	69.9	131.8	15,000*	74.3	128.0	10,700*	65
	70	63.7	130.6	15,000*	67.6	129.2	15,000*	72.0	125.4	10,500*	70
	80	59.0	124.8	12,800	62.9	123.3	13,100	67.1	119.3	10,200*	80
	90	54.0	117.8	10,800	57.9	116.2	11,100	61.8	111.9	9,500*	90
	100	48.7	109.3	9,300	52.5	107.6	9,500	56.2	103.0	8,900*	100
	110	42.9	99.1	8,000	46.6	97.2	8,200	50.0	91.9	8,400	110
	120	36.3	86.3	7,000	39.8	84.1	7,100				120
	130	28.4	69.5	6,200	31.6	66.8	6,200				130
100	35	79.6	153.8	15,000*							35
	40	77.7	152.6	15,000*							40
	45	75.7	151.3	15,000*	79.5	150.0	15,000*				45
	50	73.7	149.8	15,000*	77.5	148.5	15,000*				50
	55	71.7	148.1	15,000*	75.5	146.8	15,000*	79.7	143.0	11,700*	55
	60	69.7	146.2	15,000*	73.5	144.8	15,000*	77.6	141.1	11,500*	60
	65	67.7	144.1	15,000*	71.4	142.7	15,000*	75.5	138.9	11,300*	65
	70	65.6	141.8	15,000*	69.3	140.4	15,000*	73.3	136.5	11,200*	70
	80	61.3	136.5	12,600	64.9	135.0	12,900	68.9	130.9	10,500*	80
	90	56.8	130.1	10,600	60.4	128.6	10,900	64.2	124.3	9,800*	90
	100	52.0	122.6	9,100	55.6	120.9	9,300	59.2	116.3	9,200*	100
	110	47.0	113.6	7,800	50.4	111.8	8,000	53.8	106.8	8,200	110
	120	41.4	102.8	6,800	44.7	100.8	7,000	47.8	95.2	7,100	120
	130	35.0	89.4	5,900	38.2	87.0	6,100				130
	140	27.4	71.9	5,200							140

**NOTICE:** This capacity chart is for reference use only and must not be used for a specific serial number crane. Serial numbered laminated capacity charts for a specific crane can be purchased from an authorized Manitowoc Distributor.

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

JIB NO. 130 WITH 12' STRUT ON  
BOOM NO. 46  
42,000 LB. COUNTERWEIGHT  
22'4" CRAWLERS EXTENDED  
360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

### 50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			15 DEGREE OFFSET			30 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	80.3	164.0	15,000*							35
	40	78.4	162.9	15,000*							40
	45	76.6	161.7	15,000*	80.2	160.3	15,000*				45
	50	74.8	160.3	15,000*	78.3	158.9	15,000*				50
	55	72.9	158.7	15,000*	76.5	157.3	15,000*	80.4	153.5	12,100*	55
	60	71.0	156.9	15,000*	74.6	155.5	15,000*	78.5	151.7	12,100*	60
	65	69.1	155.0	15,000*	72.6	153.6	15,000*	76.5	149.7	11,800*	65
	70	67.2	152.8	14,900	70.7	151.4	15,000*	74.5	147.4	11,400*	70
	80	63.2	147.9	12,300	66.7	146.4	12,700	70.4	142.3	10,700*	80
	90	59.1	142.1	10,400	62.5	140.6	10,700	66.1	136.3	10,100*	90
	100	54.8	135.3	8,800	58.2	133.6	9,100	61.6	129.1	9,400	100
	110	50.3	127.2	7,600	53.5	125.5	7,800	56.8	120.6	8,000	110
	120	45.4	117.7	6,500	48.6	115.8	6,700	51.6	110.5	6,900	120
	130	40.0	106.3	5,700	43.1	104.2	5,800				130
	140	33.9	92.3	4,900	36.8	89.9	5,100				140
	150	26.5	74.1	4,300							150
120	35	80.8	174.1	15,000*							35
	40	79.1	173.1	15,000*							40
	45	77.4	172.0	15,000*	80.8	170.6	15,000*				45
	50	75.7	170.7	15,000*	79.0	169.3	15,000*				50
	55	73.9	169.2	15,000*	77.3	167.8	15,000*				55
	60	72.2	167.5	15,000*	75.5	166.1	15,000*	79.2	162.2	11,700*	60
	65	70.4	165.7	15,000*	73.7	164.3	15,000*	77.4	160.3	11,600*	65
	70	68.6	163.7	14,700	71.9	162.3	15,000*	75.5	158.3	11,500*	70
	80	64.9	159.2	12,100	68.2	157.7	12,600	71.7	153.5	10,900*	80
	90	61.1	153.8	10,200	64.3	152.2	10,500	67.7	147.9	10,300*	90
	100	57.2	147.5	8,600	60.3	145.9	8,900	63.6	141.4	9,200	100
	110	53.0	140.2	7,400	56.2	138.5	7,600	59.3	133.7	7,900	110
	120	48.6	131.7	6,300	51.7	129.8	6,600	54.6	124.7	6,800	120
	130	43.9	121.7	5,500	46.9	119.7	5,700	49.6	114.1	5,800	130
	140	38.7	109.8	4,700	41.6	107.5	4,900				140
	150	32.8	95.2	4,100	35.5	92.6	4,200				150
	160	25.6	76.3	3,600							160
130	40	79.7	183.4	15,000*							40
	45	78.1	182.3	15,000*							45
	50	76.5	181.0	15,000*	79.7	179.6	15,000*				50
	55	74.9	179.6	15,000*	78.0	178.2	15,000*				55
	60	73.2	178.1	15,000*	76.3	176.6	15,000*	79.8	172.7	11,100*	60
	65	71.5	176.4	15,000*	74.7	174.9	15,000*	78.1	170.9	11,000*	65
	70	69.8	174.5	14,500	73.0	173.0	15,000*	76.4	169.0	10,900*	70
	80	66.4	170.3	11,900	69.5	168.7	12,400	72.8	164.6	10,700*	80
	90	62.9	165.2	10,000	65.9	163.7	10,300	69.2	159.4	10,600*	90
	100	59.2	159.4	8,400	62.2	157.8	8,700	65.4	153.3	9,100	100
	110	55.4	152.7	7,200	58.4	151.0	7,400	61.4	146.3	7,700	110
	120	51.4	145.0	6,100	54.3	143.2	6,400	57.2	138.2	6,600	120
	130	47.2	136.0	5,300	50.0	134.1	5,500	52.7	128.7	5,700	130
	140	42.6	125.5	4,500	45.4	123.4	4,700	47.8	117.6	4,900	140
	150	37.5	113.1	3,900	40.2	110.8	4,000				150
	160	31.8	98.0	3,300	34.4	95.2	3,400				160
140	40	80.3	193.5	15,000*							40
	45	78.8	192.5	15,000*							45
	50	77.2	191.3	15,000*	80.2	189.9	15,000*				50
	55	75.7	190.0	15,000*	78.7	188.6	15,000*				55
	60	74.1	188.6	15,000*	77.1	187.1	15,000*	80.4	183.1	10,600*	60
	65	72.5	187.0	15,000*	75.5	185.5	15,000*	78.8	181.4	10,500*	65
	70	70.9	185.2	14,300	73.9	183.7	14,900	77.2	179.6	10,400*	70
	80	67.7	181.2	11,700	70.7	179.7	12,200	73.8	175.5	10,300*	80
	90	64.4	176.5	9,700	67.3	175.0	10,100	70.4	170.6	10,100*	90
	100	61.0	171.1	8,200	63.9	169.5	8,500	66.9	165.0	8,900	100
	110	57.5	164.9	6,900	60.3	163.2	7,200	63.2	158.5	7,600	110
	120	53.8	157.7	5,900	56.6	156.0	6,100	59.4	151.1	6,400	120
	130	49.9	149.6	5,000	52.7	147.7	5,200	55.3	142.5	5,500	130
	140	45.8	140.1	4,300	48.5	138.2	4,500	51.0	132.6	4,700	140
	150	41.4	129.2	3,600	44.0	127.0	3,800	46.2	120.9	4,000	150
	160	36.5	116.3	3,100	39.0	113.9	3,200				160

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BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
150	40	80.8	203.7	15,000*							40
	45	79.3	202.7	15,000*							45
	50	77.9	201.6	15,000*	80.7	200.2	14,500*				50
	55	76.4	200.4	15,000*	79.2	198.9	14,400*				55
	60	74.9	199.0	15,000*	77.8	197.5	14,400*	80.9	193.5	10,200*	60
	65	73.4	197.5	15,000*	76.3	196.0	14,400*	79.4	191.9	10,100*	65
	70	71.9	195.8	14,100	74.8	194.3	14,400*	77.9	190.2	10,000*	70
	80	68.9	192.0	11,500	71.7	190.5	12,100	74.7	186.3	9,900*	80
	90	65.8	187.6	9,500	68.5	186.1	10,000	71.5	181.7	9,700*	90
	100	62.6	182.6	8,000	65.3	181.0	8,400	68.2	176.5	8,800	100
	110	59.3	176.8	6,700	62.0	175.1	7,100	64.8	170.5	7,400	110
	120	55.9	170.1	5,700	58.6	168.4	6,000	61.2	163.6	6,300	120
	130	52.3	162.6	4,800	54.9	160.8	5,100	57.5	155.7	5,300	130
	140	48.6	154.0	4,100	51.2	152.1	4,300	53.6	146.7	4,500	140
160	44.6	144.2	3,500	47.1	142.1	3,600	49.4	136.3	3,800	150	
	55	74.2	208.0	3,500*	76.9	206.4	13,000*	79.9	202.3	9,700*	65
	60	75.7	209.4	13,600*	78.4	207.9	13,000*				60
	65	77.1	210.7	13,700*	79.8	209.2	13,100*				55
	70	72.8	206.4	13,400*	75.5	204.9	12,900*	78.5	200.7	9,600*	70
	80	69.9	202.8	11,300	72.6	201.3	11,900	75.5	197.0	9,500*	80
	90	67.0	198.7	9,300	69.6	197.1	9,800	72.5	192.7	9,400*	90
	100	64.0	193.9	7,800	66.6	192.2	8,200	69.4	187.8	8,600	100
	110	60.9	188.4	6,500	63.5	186.7	6,900	66.2	182.1	7,300	110
	120	57.7	182.2	5,500	60.3	180.5	5,800	62.9	175.7	6,100	120
	130	54.4	175.2	4,600	56.9	173.4	4,900	59.4	168.5	5,200	130
	140	51.0	167.3	3,900	53.4	165.4	4,100	55.8	160.2	4,400	140
	150	47.3	158.4	3,200	49.7	156.4	3,500	52.0	150.8	3,700	150
170	45	80.3	223.1	12,500*							45
	50	79.0	222.1	12,400*							50
	55	77.7	221.0	12,300*	80.3	219.5	11,700*				55
	60	76.3	219.8	12,200*	78.9	218.2	11,700*				60
	65	75.0	218.4	12,100*	77.6	216.9	11,600*	80.4	212.7	9,300*	65
	70	73.6	216.9	12,000*	76.2	215.3	11,500*	79.0	211.1	9,300*	70
	80	70.9	213.5	11,100	73.4	211.9	11,400*	76.2	207.6	9,200*	80
	90	68.1	209.5	9,100	70.6	208.0	9,600	73.4	203.6	9,000*	90
	100	65.3	205.0	7,500	67.8	203.4	8,000	70.4	198.9	8,500	100
	110	62.4	199.9	6,300	64.8	198.2	6,700	67.4	193.6	7,100	110
	120	59.4	194.1	5,200	61.8	192.4	5,600	64.3	187.6	5,900	120
	130	56.3	187.6	4,400	58.7	185.8	4,700	61.1	180.8	5,000	130
	140	53.1	180.2	3,600	55.4	178.3	3,900	57.8	173.2	4,200	140
	150	49.7	171.9	3,000	52.0	170.0	3,200	54.3	164.5	3,500	150
180	45	80.7	233.3	11,200*							45
	50	79.5	232.3	11,100*							50
	55	78.2	231.3	11,000*	80.7	229.7	10,500*				55
	60	76.9	230.1	10,900*	79.4	228.5	10,500*				60
	65	75.6	228.8	10,800*	78.1	227.2	10,400*	80.9	223.0	9,000*	65
	70	74.4	227.3	10,700*	76.8	225.8	10,300*	79.5	221.5	8,900*	70
	80	71.8	224.1	10,500*	74.2	222.5	10,200*	76.9	218.2	8,800*	80
	90	69.1	220.4	8,900	71.5	218.8	9,500	74.1	214.4	8,700*	90
	100	66.4	216.1	7,300	68.8	214.4	7,800	71.4	210.0	8,300	100
	110	63.7	211.2	6,100	66.0	209.5	6,500	68.5	204.9	7,000	110
	120	60.8	205.7	5,100	63.2	204.0	5,400	65.6	199.3	5,800	120
	130	57.9	199.6	4,200	60.3	197.8	4,500	62.6	192.9	4,800	130
	140	54.9	192.7	3,400	57.2	190.9	3,700	59.5	185.8	4,000	140
	150				54.1	183.1	3,100	56.2	177.8	3,300	150

**NOTICE:** This capacity chart is for reference use only and must not be used for a specific serial number crane. Serial numbered laminated capacity charts for a specific crane can be purchased from an authorized Manitowoc Distributor.

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

JIB NO. 130 WITH 12' STRUT ON  
 BOOM NO. 46  
 42,000 LB. COUNTERWEIGHT  
 22'4" CRAWLERS EXTENDED  
 360 DEGREE RATING

MEETS  
 ANSI B30.5  
 REQUIREMENTS

M-65W

### 60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM POINT ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM POINT ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM POINT ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
70	30	80.1	134.4	15,000*							30
	35	77.9	133.3	15,000*							35
	40	75.6	132.0	15,000*	81.0	130.8	15,000*				40
	45	73.3	130.4	15,000*	78.6	129.3	15,000*				45
	50	71.0	128.7	15,000*	76.3	127.5	14,800*				50
	55	68.7	126.7	14,800*	73.9	125.5	14,500*	80.0	121.9	10,600*	55
	60	66.3	124.5	14,400*	71.5	123.2	14,200*	77.5	119.6	10,000*	60
	65	63.9	122.0	14,000*	69.1	120.7	13,700*	74.9	117.0	9,500*	65
	70	61.4	119.2	13,600*	66.5	117.9	12,800*	72.3	114.1	9,000*	70
	80	56.2	112.8	13,000*	61.3	111.4	11,300*	66.9	107.3	8,200*	80
	90	50.6	104.9	11,300	55.7	103.4	10,100*	61.0	99.0	7,500*	90
	100	44.6	95.3	9,800	49.5	93.6	9,200*	54.5	88.7	7,000*	100
	110	37.7	83.2	8,500	42.5	81.3	8,400*	47.0	75.5	6,600*	110
	120	29.5	67.2	7,500	34.0	64.8	7,600				120
80	30	80.8	144.6	15,000*							30
	35	78.7	143.6	15,000*							35
	40	76.7	142.3	15,000*							40
	45	74.6	140.9	15,000*	79.5	139.7	15,000*				45
	50	72.4	139.3	15,000*	77.3	138.1	14,800*				50
	55	70.3	137.5	14,900*	75.2	136.2	14,500*	80.7	132.5	9,100*	55
	60	68.1	135.4	14,500*	73.0	134.1	14,300*	78.5	130.4	8,900*	60
	65	65.8	133.2	14,100*	70.7	131.8	14,000*	76.1	128.0	8,700*	65
	70	63.6	130.6	13,800*	68.4	129.3	13,500*	73.8	125.4	8,500*	70
	80	58.9	124.8	13,000	63.7	123.4	12,000*	68.9	119.3	8,200*	80
	90	53.9	117.8	11,100	58.6	116.3	10,700*	63.7	111.9	7,800*	90
	100	48.6	109.4	9,500	53.3	107.7	9,700*	58.0	102.9	7,300*	100
	110	42.8	99.1	8,300	47.4	97.3	8,500	51.8	91.9	6,800*	110
	120	36.3	86.4	7,200	40.6	84.3	7,400				120
	130	28.3	69.6	6,400	32.5	67.0	6,500				130
90	35	79.5	153.8	15,000*							35
	40	77.6	152.7	15,000*							40
	45	75.6	151.3	15,000*	80.2	150.1	15,000*				45
	50	73.6	149.8	15,000*	78.2	148.5	14,800*				50
	55	71.6	148.1	14,900*	76.2	146.8	14,500*				55
	60	69.5	146.3	14,500*	74.2	144.9	14,300*	79.3	141.0	9,300*	60
	65	67.6	144.2	14,200*	72.1	142.8	14,000*	77.2	138.8	9,100*	65
	70	65.5	141.8	13,900*	70.0	140.5	13,800*	75.0	136.4	8,900*	70
	80	61.2	136.5	12,800	65.6	135.1	12,500*	70.5	130.9	8,600*	80
	90	56.7	130.2	10,900	61.1	128.7	11,200	65.8	124.2	8,100*	90
	100	52.0	122.6	9,300	56.3	121.0	9,600	60.8	116.3	7,500*	100
	110	46.9	113.6	8,100	51.1	111.9	8,300	55.4	106.7	7,100*	110
	120	41.3	102.8	7,100	45.5	100.9	7,200	49.4	95.0	6,700*	120
	130	34.9	89.4	6,200	39.0	87.2	6,300				130
	140	27.3	72.0	5,500	31.1	69.1	5,600				140
100	35	80.2	164.0	15,000*							35
	40	78.3	162.9	15,000*							40
	45	76.5	161.7	15,000*	80.8	160.4	14,900*				45
	50	74.7	160.3	15,000*	79.0	159.0	14,700*				50
	55	72.8	158.7	14,800*	77.1	157.4	14,500*				55
	60	70.9	157.0	14,500*	75.2	155.6	14,200*	80.0	151.5	9,800*	60
	65	69.0	155.0	14,200*	73.3	153.6	14,000*	78.1	149.5	9,600*	65
	70	67.1	152.9	13,900*	71.3	151.5	13,800*	76.1	147.3	9,500*	70
	80	63.1	148.0	12,600	67.3	146.5	13,000	71.9	142.2	9,000*	80
	90	59.0	142.1	10,600	63.2	140.6	11,000	67.7	136.1	8,300*	90
	100	54.7	135.3	9,100	58.8	133.7	9,400	63.1	128.9	7,800*	100
	110	50.2	127.3	7,900	54.2	125.5	8,100	58.3	120.5	7,300*	110
	120	45.3	117.8	6,800	49.2	115.9	7,000	53.1	110.3	6,900*	120
	130	39.9	106.4	6,000	43.8	104.3	6,100	47.3	98.0	6,300	130
	140	33.8	92.4	5,200	37.5	90.0	5,400				140
	150	26.4	74.2	4,600							150

Laminated capacity charts for a specific crane can be purchased from  
 an authorized Manitowoc Distributor.

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

NO. 130 WITH 12' STRUT ON  
BOOM NO. 46  
42,000 LB. COUNTERWEIGHT  
22'4" CRAWLERS EXTENDED  
360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

### 60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM POINT ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM POINT ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM POINT ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
110	35	80.7	174.2	15,000*							35
	40	79.0	173.2	15,000*							40
	45	77.3	172.0	15,000*							45
	50	75.6	170.7	15,000*	79.7	169.3	14,500*				50
	55	73.9	169.2	14,700*	77.9	167.8	14,300*				55
	60	72.1	167.6	14,400*	76.1	166.2	14,100*	80.7	162.0	10,200*	60
	65	70.3	165.8	14,100*	74.3	164.3	13,900*	78.8	160.1	10,100*	65
	70	68.5	163.8	13,900*	72.5	162.3	13,700*	77.0	158.1	9,900*	70
	80	64.8	159.2	12,400	68.8	157.7	12,800	73.2	153.3	9,200*	80
	90	61.0	153.8	10,400	65.0	152.3	10,800	69.2	147.7	8,500*	90
	100	57.1	147.6	8,800	61.0	145.9	9,200	65.1	141.2	8,000*	100
	110	52.9	140.2	7,600	56.8	138.5	7,900	60.7	133.5	7,500*	110
	120	48.6	131.7	6,600	52.3	129.9	6,800	56.1	124.5	7,100	120
	130	43.8	121.7	5,700	47.5	119.7	5,900	51.0	113.8	6,100	130
	140	38.6	109.8	5,000	42.2	107.6	5,100	45.4	101.0	5,300	140
	150	32.7	95.3	4,300	36.2	92.7	4,500				150
	160	25.6	76.4	3,800							160
120	40	79.7	183.4	15,000*							40
	45	78.0	182.3	15,000*							45
	50	76.4	181.1	14,900*	80.2	179.6	14,300*				50
	55	74.8	179.7	14,600*	78.6	178.2	14,200*				55
	60	73.1	178.1	14,300*	76.9	176.7	14,000*				60
	65	71.4	176.4	14,000*	75.2	175.0	13,800*	79.5	170.7	9,900*	65
	70	69.8	174.6	13,800*	73.5	173.1	13,600*	77.8	168.7	9,800*	70
	80	66.3	170.3	12,200	70.1	168.8	12,700	74.2	164.3	9,400*	80
	90	62.8	165.3	10,200	66.5	163.7	10,600	70.5	159.1	8,700*	90
	100	59.1	159.5	8,600	62.8	157.9	9,000	66.7	153.1	8,200*	100
	110	55.3	152.8	7,400	59.0	151.1	7,700	62.7	146.1	7,700*	110
	120	51.3	145.0	6,400	54.9	143.2	6,600	58.5	137.9	6,900	120
	130	47.1	136.0	5,500	50.6	134.1	5,700	54.1	128.4	6,000	130
	140	42.5	125.6	4,800	46.0	123.5	5,000	49.2	117.2	5,200	140
	150	37.5	113.1	4,100	40.8	110.8	4,300				150
	160	31.7	98.0	3,600	34.9	95.3	3,700				160
	170	24.8	78.5	3,100							170
130	40	80.2	193.6	15,000*							40
	45	78.7	192.6	14,900*							45
	50	77.1	191.4	14,600*	80.8	189.9	14,100*				50
	55	75.6	190.1	14,400*	79.2	188.6	13,900*				55
	60	74.0	188.6	14,100*	77.6	187.1	13,800*				60
	65	72.5	187.0	13,900*	76.1	185.5	13,600*	80.1	181.2	9,400*	65
	70	70.9	185.2	13,600*	74.5	183.7	13,500*	78.5	179.3	9,300*	70
	80	67.6	181.2	12,000	71.2	179.7	12,500	75.1	175.2	9,100*	80
	90	64.3	176.6	10,000	67.9	175.0	10,500	71.7	170.4	8,900*	90
	100	60.9	171.1	8,400	64.4	169.5	8,800	68.2	164.7	8,400*	100
	110	57.4	164.9	7,200	60.9	163.2	7,500	64.5	158.2	7,900*	110
	120	53.7	157.8	6,200	57.1	156.0	6,500	60.6	150.8	6,800	120
	130	49.9	149.6	5,300	53.2	147.7	5,600	56.6	142.2	5,800	130
	140	45.7	140.2	4,600	49.1	138.2	4,800	52.2	132.2	5,000	140
	150	41.3	129.3	3,900	44.5	127.1	4,100	47.5	120.5	4,300	150
	160	36.4	116.4	3,400	39.6	113.9	3,500				160
	170				33.8	97.8	3,000				170

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# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

JIB NO. 130 WITH 12' STRUT ON

BOOM NO. 46

42,000 LB. COUNTERWEIGHT

22'4" CRAWLERS EXTENDED

360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

### 60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		JIB BOOM POINT ANG. DEG.	ELEV. FEET	CAPACITY POUNDS	BOOM POINT ANG. DEG.	ELEV. FEET	CAPACITY POUNDS	BOOM POINT ANG. DEG.	ELEV. FEET	CAPACITY POUNDS	
<b>140</b>	40	80.7	203.8	14,000*							40
	45	79.2	202.8	13,900*							45
	50	77.8	201.7	13,800*							50
	55	76.3	200.4	13,700*	79.8	198.9	13,300*				55
	60	74.8	199.0	13,600*	78.3	197.5	13,300*				60
	65	73.4	197.5	13,500*	76.8	196.0	13,300*	80.6	191.6	9,000*	65
	70	71.9	195.9	13,400*	75.3	194.3	13,300*	79.1	189.9	8,900*	70
	80	68.8	192.1	11,700	72.2	190.5	12,300	75.9	186.0	8,700*	80
	90	65.7	187.7	9,700	69.1	186.1	10,300	72.7	181.4	8,600*	90
	100	62.5	182.6	8,200	65.8	181.0	8,600	69.4	176.2	8,400*	100
	110	59.2	176.8	6,900	62.5	175.1	7,300	66.0	170.1	7,700	110
	120	55.8	170.2	5,900	59.1	168.4	6,200	62.4	163.2	6,600	120
	130	52.2	162.7	5,000	55.5	160.8	5,300	58.7	155.3	5,600	130
	140	48.5	154.1	4,300	51.7	152.1	4,600	54.8	146.3	4,800	140
	150	44.5	144.2	3,700	47.6	142.1	3,900	50.5	135.9	4,100	150
	160	40.2	132.9	3,100	43.2	130.6	3,300	45.9	123.7	3,500	160
<b>150</b>	45	79.8	213.0	12,800*							45
	50	78.4	211.9	12,700*							50
	55	77.0	210.7	12,600*	80.3	209.2	12,200*				55
	60	75.6	209.4	12,600*	78.9	207.9	12,200*				60
	65	74.2	208.0	12,500*	77.4	206.5	12,200*				65
	70	72.7	206.4	12,400*	76.0	204.9	12,100*	79.6	200.3	8,500*	70
	80	69.9	202.8	11,500	73.1	201.3	12,100*	76.7	196.7	8,400*	80
	90	66.9	198.7	9,600	70.1	197.1	10,100	73.6	192.4	8,200*	90
	100	63.9	193.9	8,000	67.1	192.3	8,500	70.5	187.4	8,100*	100
	110	60.8	188.5	6,800	64.0	186.8	7,200	67.3	181.8	7,600	110
	120	57.7	182.3	5,700	60.8	180.5	6,100	64.0	175.3	6,500	120
	130	54.3	175.3	4,900	57.4	173.5	5,200	60.6	168.1	5,500	130
	140	50.9	167.4	4,100	53.9	165.5	4,400	56.9	159.8	4,700	140
	150	47.2	158.4	3,500	50.2	156.4	3,700	53.1	150.3	4,000	150
	160	-	-	-	46.3	146.0	3,100	49.0	139.5	3,300	160
<b>160</b>	45	80.2	223.2	11,800*							45
	50	78.9	222.2	11,700*							50
	55	77.6	221.0	11,600*	80.7	219.5	11,100*				55
	60	76.2	219.8	11,500*	79.4	218.2	11,100*				60
	65	74.9	218.4	11,400*	78.0	216.9	11,100*				65
	70	73.6	216.9	11,400*	76.7	215.3	11,100*	80.1	210.8	8,200*	70
	80	70.8	213.5	11,200*	73.9	211.9	11,000*	77.3	207.3	8,000*	80
	90	68.0	209.6	9,300	71.1	208.0	9,900	74.5	203.2	7,900*	90
	100	65.2	205.1	7,800	68.2	203.4	8,300	71.5	198.5	7,800*	100
	110	62.3	199.9	6,500	65.3	198.2	7,000	68.5	193.2	7,500	110
	120	59.3	194.1	5,500	62.3	192.4	5,900	65.4	187.2	6,300	120
	130	56.2	187.6	4,600	59.2	185.8	5,000	62.2	180.4	5,300	130
	140	53.0	180.2	3,900	55.9	178.3	4,200	58.8	172.8	4,500	140
	150	49.6	172.0	3,300	52.5	170.0	3,500	55.3	164.1	3,800	150
	160	-	-	-	48.9	160.5	3,000	51.6	154.2	3,200	160
<b>170</b>	45	80.7	233.3	10,700*							45
	50	79.4	232.4	10,600*							50
	55	78.1	231.3	10,600*							55
	60	76.9	230.1	10,500*	79.9	228.5	10,100*				60
	65	75.6	228.8	10,400*	78.6	227.2	10,100*				65
	70	74.3	227.4	10,300*	77.3	225.8	10,000*	80.6	221.2	7,900*	70
	80	71.7	224.1	10,100*	74.6	222.5	9,900*	77.9	217.8	7,800*	80
	90	69.0	220.4	9,100	72.0	218.8	9,700	75.2	214.0	7,700*	90
	100	66.3	216.1	7,600	69.3	214.4	8,100	72.4	209.6	7,600*	100
	110	63.6	211.3	6,300	66.5	209.5	6,800	69.6	204.5	7,300	110
	120	60.8	205.8	5,300	63.6	204.0	5,700	66.7	198.9	6,100	120
	130	57.9	199.6	4,400	60.7	197.8	4,800	63.6	192.5	5,200	130
	140	54.9	192.8	3,700	57.7	190.9	4,000	60.5	185.3	4,300	140
	150	51.7	185.1	3,000	54.5	183.1	3,300	57.3	177.3	3,600	150
	160	-	-	-	-	-	-	53.8	168.3	3,000	160

**UNAR**  
SALE & RENTAL

# MANITOWOC ENGINEERING CO.

Division of the Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



## LIFTCRANE JIB CAPACITIES

JIB NO. 130 WITH 12' STRUT ON  
BOOM NO. 46  
35,000 LB. COUNTERWEIGHT  
22'4" CRAWLERS EXTENDED  
360 DEGREE RATING

MEETS  
ANSI B30.5  
THIS CAPACITY CHART IS FOR REVIVE-X-SPANDER  
USE ONLY AND MUST NOT BE USED FOR A  
SPECIFIC SERIAL NUMBER CRANE.  
SERIAL NUMBERED LAMINATED CAPACITY  
CHARTS FOR A SPECIFIC CRANE CAN BE  
PURCHASED FROM AN AUTHORIZED  
MANITOWOC DISTRIBUTOR . . .

M-65W

CHART SUPPLEMENTS BOOM CAPACITY CHART NO. 7522-B. 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 (\*).

SWITCH X-SPANDER MODE SELECTOR ON/X-SPANDER TO OPERATE. X-SPANDER EXTENDED CAPACITY COLUMNS REQUIRE X-SPANDER BEAM EXTENDED TO LENGTH SHOWN. DO NOT ALLOW REAR LEG TO CONTACT GROUND WHILE TRAVELING OR SWINGING. X-SPANDERS REQUIRE COUNTERWEIGHT FULLY EXTENDED BEFORE RATED LOAD CAN BE OBTAINED. X-SPANDER RETRACTED CAPACITY COLUMN REQUIRES COUNTERWEIGHT PINNED TO MACHINE, BEAM RETRACTED AND X-SPANDER MODE OFF/STANDARD CRANE. NON-EPIC X-SPANDERS REQUIRE COUNTERWEIGHT TO BE FULLY EXTENDED BEFORE LIFTING LOAD. BOOMING DOWN ON NON-EPIC IS NOT ALLOWED WITH X-SPANDER EXTENDED CAPACITIES UNLESS COUNTERWEIGHT IS FULLY EXTENDED. WITH EPIC X-SPANDERS, HOISTING OR BOOMING IS NOT ALLOWED WHEN COUNTERWEIGHT IS MOVING ON X-SPANDER BEAM.

WEIGHT OF ALL LOAD BLOCKS, HOOKS, WEIGHT BALL, SLINGS, HOIST LINES, ETC., BENEATH BOOM AND JIB POINT SHEAVES, IS CONSIDERED PART OF 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 (16'8-1/2") AND GANTRY UP. REFER TO BOOM RIGGING NO. 168744, JIB ASSEMBLY NO. 168267, WIRE ROPE SPECIFICATION CHART NO. 7523-A AND X-SPANDER GENERAL ARRANGEMENT NO. 169711 FOR ATTACHMENT AND EXTEND PROCEDURE. 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.

MACHINE MAY BE OPERATED IN WINDS UP TO 15 MPH PROVIDED CRANE OPERATOR JUDGMENT IS USED TO ALLOW FOR WIND EFFECT ON LIFTED LOAD AND OTHER CONSIDERATIONS NOTED ON CAPACITY CHART ARE FOLLOWED. WIND WILL HAVE A CONSIDERABLE EFFECT ON A LOAD WITH A LARGE "SAIL AREA" AND MUST BE COMPENSATED FOR ACCORDINGLY BY REDUCING LOAD RATINGS, REDUCING OPERATING SPEEDS OR BY A COMBINATION OF BOTH. RECOMMEND STOPPING OPERATION WHEN WIND IS ABOVE 15 MPH AND LOWERING BOOM TO GROUND WHEN WIND IS ABOVE 35 MPH.

MACHINE TO TRAVEL ON A FIRM, LEVEL AND UNIFORMLY SUPPORTING SURFACE AND BOOM WITHIN BOOM ANGLE RANGE SHOWN IN CAPACITY CHART.

OPERATING RADIUS IS HORIZONTAL DISTANCE FROM THE AXIS OF ROTATION TO CENTER OF VERTICAL HOIST LINE OR LOAD BLOCK. BOOM ANGLE IS 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 X-SPANDER, 22'4" EXTENDABLE CRAWLERS, 36" TREADS, 17' RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, TWO 1-1/4" BOOM PENDANTS AND 35,000 LB. COUNTERWEIGHT.

MAXIMUM CAPACITY ON 3/4" - 6 X 25 EIPS, IWRC IS 15,000 LBS.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED							
OVER END OF BLOCKED CRAWLERS				OVER SIDE OF EXTENDED CRAWLERS			
BOOM LGTH.	JIB NO.	130	BOOM LGTH.	JIB NO.	130		
190'		---	190'		---		
180'		50'	180'		---		
170'		60'	170'		40'		
			160'		60'		

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

30 FT. JIB, 3 DEGREE OFFSET

BOOM LGTH. FEET	JIB OPER. RAD. DEG.	BOOM ANG. FEET	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS
7 0	25	79.2	104.8	15,000*		
	30	76.3	103.6	15,000*		
	35	73.4	102.1	15,000*		
	40	70.4	100.4	15,000*		
	45	67.3	98.3	15,000*		
	50	64.2	96.0	15,000*		
	55	61.0	93.2	15,000*	15,000*	
	60	57.7	90.1	15,000*	15,000*	
	65	54.2	86.6	15,000*	15,000*	
	70	50.6	82.5	15,000*	15,000*	
	80	42.6	72.7	13,000	15,000*	
	90	33.1	59.2	11,100	14,000	15,000*
	100	19.8	38.0	9,600	12,200	12,700*

BOOM LGTH. FEET	JIB OPER. RAD. DEG.	BOOM ANG. FEET	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS
8 0	25	80.2	115.0	15,000*		
	30	77.6	113.9	15,000*		
	35	74.9	112.6	15,000*		
	40	72.2	111.0	15,000*		
	45	69.5	109.2	15,000*		
	50	66.7	107.1	15,000*		
	55	63.8	104.6	15,000*		
	60	60.9	101.9	15,000*	15,000*	
	65	57.9	98.8	15,000*	15,000*	15,000*
	70	54.7	95.3	15,000*	15,000*	15,000*
	80	48.0	87.0	12,800	15,000*	15,000*
	90	40.5	76.3	10,800	13,800	15,000*
	100	31.5	62.0	9,300	11,900	14,200

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

JIB. NO. 130 WITH X-SPANDER  
BOOM NO. 46  
35,000 LB. COUNTERWEIGHT  
22'4" CRAWLERS EXTENDED  
360 DEGREE ROLLING TUA HA WORK POSITION

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

WITH X-SPANDER

30 FOOT JIB, 3° DEGREE OFFSET

BOOM LGTH. FEET	JIB OPER. RAD. FEET	BOOM ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS	BOOM LGTH. FEET	JIB OPER. RAD. FEET	BOOM ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS
90	30	78.6	124.2	15,000*			130	35	79.7	164.0	15,000*		
	35	76.2	123.0	15,000*				40	77.9	162.9	15,000*		
	40	73.8	121.5	15,000*				45	76.0	161.7	15,000*		
	45	71.3	119.9	15,000*				50	74.2	160.3	15,000*		
	50	68.7	117.9	15,000*				55	72.3	158.7	15,000*	15,000*	15,000*
	55	66.2	115.8	15,000*	15,000*	15,000*		60	70.4	157.0	15,000*	15,000*	15,000*
	60	63.5	113.3	15,000*	15,000*	15,000*		65	68.5	155.0	15,000*	15,000*	15,000*
	65	60.8	110.5	15,000*	15,000*	15,000*		70	66.6	152.9	14,300	15,000*	15,000*
	70	58.1	107.5	15,000*	15,000*	15,000*		80	62.7	148.0	11,700	15,000*	15,000*
	80	52.2	100.2	12,600	15,000*	15,000*		90	58.5	142.1	9,800	12,700	15,000*
100	90	45.9	91.2	10,600	13,600	15,000*	140	100	54.2	135.3	8,200	10,800	13,200
	100	38.7	79.8	9,100	11,700	14,100		110	49.7	127.3	7,000	9,300	11,400
	110	30.1	64.6	7,900	10,200	12,300		120	44.8	117.8	6,000	8,100	10,000
	30	79.5	134.4	15,000*				130	39.4	106.4	5,100	7,100	8,800
	35	77.3	133.3	15,000*				140	33.3	92.4	4,400	6,200	7,800
	40	75.0	132.0	15,000*				150	25.9	74.2	3,700	5,400	6,300*
	45	72.7	130.4	15,000*				35	80.3	174.2	15,000*		
	50	70.4	128.7	15,000*				40	78.6	173.2	15,000*		
	55	68.1	126.7	15,000*	15,000*	15,000*		45	76.9	172.0	15,000*		
	60	65.7	124.5	15,000*	15,000*	15,000*		50	75.1	170.7	15,000*		
110	65	63.3	122.0	15,000*	15,000*	15,000*		55	73.4	169.2	15,000*	15,000*	15,000*
	70	60.8	119.2	14,900	15,000*	15,000*		60	71.6	167.6	15,000*	15,000*	15,000*
	80	55.6	112.8	12,400	15,000*	15,000*		65	69.3	165.8	15,000*	15,000*	15,000*
	90	50.0	104.9	10,400	13,400	15,000*		70	68.1	163.8	14,000	15,000*	15,000*
	100	44.0	95.3	8,900	11,500	13,800		80	64.4	159.2	11,500	14,800	15,000*
	110	37.1	83.2	7,600	10,000	12,100		90	60.6	153.8	9,500	12,400	15,000*
	120	28.9	67.2	6,600	8,800	10,700		100	56.6	147.6	8,000	10,600	12,900
	30	80.3	144.6	15,000*				110	52.5	140.2	6,700	9,100	11,200
	35	78.2	143.6	15,000*				120	48.1	131.7	5,700	7,900	9,800
	40	76.1	142.3	15,000*				130	43.4	121.7	4,800	6,800	8,600
120	45	74.0	140.9	15,000*				140	38.2	109.8	4,100	5,900	7,600*
	50	71.9	139.3	15,000*				150	32.3	95.3	3,500	5,200	6,400*
	55	69.7	137.6	15,000*	15,000*	15,000*		160	25.1	76.4	4,500	5,100	
	60	67.5	135.4	15,000*	15,000*	15,000*		35	80.8	184.3	15,000*		
	65	65.3	133.2	15,000*	15,000*	15,000*		40	79.2	183.4	15,000*		
	70	63.0	130.6	14,700	15,000*	15,000*		45	77.6	182.3	15,000*		
	80	58.3	124.8	12,100	15,000*	15,000*		50	76.0	181.1	15,000*		
	90	53.4	117.8	10,200	13,100	15,000*		55	74.3	179.7	15,000*	15,000*	15,000*
	100	48.1	109.4	8,600	11,200	13,600		60	72.7	178.1	15,000*	15,000*	15,000*
	110	42.3	99.1	7,400	9,700	11,800		65	71.0	176.4	15,000*	15,000*	15,000*
130	120	35.7	86.4	6,400	8,500	10,400		70	69.3	174.6	13,900	15,000*	15,000*
	130	27.8	69.6	5,500	7,500	9,100*		80	65.9	170.3	11,300	14,600	15,000*
	30	80.9	154.8	15,000*				90	62.4	165.3	9,300	12,300	14,900
	35	79.0	153.8	15,000*				100	58.7	159.6	7,800	10,400	12,700
	40	77.0	152.7	15,000*				110	54.9	152.8	6,500	8,900	11,000
	45	75.1	151.3	15,000*				120	50.9	145.0	5,500	7,700	9,600
	50	73.1	149.8	15,000*				130	46.7	136.0	4,700	6,600	8,400
	55	71.1	148.1	15,000*	15,000*	15,000*		140	42.1	126.6	3,900	5,800	7,300*
	60	69.1	146.3	15,000*	15,000*	15,000*		150	37.0	113.2	3,300	5,000	6,300*
	65	67.0	144.2	15,000*	15,000*	15,000*		160	31.3	98.0		4,400	5,300*
140	70	65.0	141.8	14,500	15,000*	15,000*		170	24.4	78.5		3,800	4,100*
	75	60.7	136.5	11,900	15,000*	15,000*		90	56.2	130.2	10,000	12,900	15,000*
	80	51.4	122.6	8,400	11,100	13,400		100	46.3	113.6	7,200	9,600	11,700
	85	42.3	102.8	6,200	8,300	10,200		110	34.4	89.4	5,300	7,300	9,100
	90	34.4	89.4	4,600	6,400	7,600*		120	26.8	72.0			
	95	26.8	72.0					130					
	100							140					

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

JIB. NO. 130 WITH 12' STRUT ON  
BOOM NO. 46

35,000 LB. COUNTERWEIGHT  
22 4" CRAWLERS EXTENDED  
360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

**M-65W**

WITH X-SPANDER

### 30 FOOT JIB, 3 DEGREE OFFSET

BOOM LGTH. FEET	JIB OPER. RAD. FEET	BOOM POINT ANG. DEG.	JIB ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS	BOOM LGTH. FEET	JIB OPER. RAD. FEET	BOOM POINT ANG. DEG.	JIB ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS
<b>1 6 0</b>	40	79.8	193.6	15,000*			<b>1 8 0</b>	40	80.8	213.9	15,000*		
	45	78.3	192.6	15,000*				45	79.4	213.0	15,000*		
	50	76.7	191.4	15,000*				50	78.0	211.9	15,000*		
	55	75.2	190.1	15,000*				55	76.6	210.8	14,000*		
	60	73.6	188.6	15,000*				60	75.2	209.4	13,800*		
	65	72.0	187.0	15,000*				65	73.8	208.0	13,600*		
	70	70.5	185.2	13,700	15,000*	15,000*		70	72.4	206.4	13,300		
	80	67.2	181.2	11,100	14,400	15,000*		80	69.5	202.9	10,700	13,200*	
	90	63.9	176.6	9,100	12,100	14,700		90	66.6	198.7	8,700	11,600*	12,900*
	100	60.5	171.2	7,600	10,200	12,500		100	63.6	193.9	7,200	9,800	12,100
	110	57.0	164.9	6,300	8,700	10,800		110	60.5	188.5	5,900	8,300	10,400
	120	53.3	157.8	5,300	7,500	9,400		120	57.3	182.3	4,900	7,000	9,000
	130	49.4	149.6	4,500	6,400	8,200		130	54.0	175.3	4,000	6,000	7,700*
	140	45.3	140.2	3,700	5,600	7,000*		140	50.5	167.4	3,300	5,100	6,400*
	150	40.9	129.3	3,100	4,800	6,000*		150	46.9	158.4		4,400	5,400*
	160	36.0	116.4		4,100	5,100*		160	43.0	148.2		3,700	4,400*
	170	30.4	100.7		3,600	4,200*		170	38.8	136.4		3,100	3,600*
	180	23.7	80.6		3,000	3,100*							
<b>1 7 0</b>	40	80.3	203.8	15,000*				40	80.3	203.8	15,000*		
	45	78.9	202.8	15,000*				45	77.4	201.7	15,000*		
	50	77.4	201.7	15,000*				55	75.9	200.4	15,000*		
	55	75.9	200.4	15,000*				60	74.5	199.1	15,000*		
	65	73.0	197.5	15,000*				65	73.0	197.5	15,000*		
	70	71.5	195.9	13,400	15,000*	15,000*		70	71.5	195.9	13,400		
	80	68.4	192.1	10,800	14,200	15,000*		80	68.4	192.1	10,800		
	90	65.3	187.7	8,900	11,800	14,400		90	65.3	187.7	8,900		
	100	62.1	182.6	7,300	10,000	12,300		100	62.1	182.6	7,300		
	110	58.8	176.8	6,100	8,500	10,600		110	58.8	176.8	6,100		
	120	55.4	170.2	5,100	7,200	9,100		120	55.4	170.2	5,100		
	130	51.9	162.7	4,200	6,200	7,900		130	51.9	162.7	4,200		
	140	48.1	154.1	3,500	5,300	6,700*		140	48.1	154.1	3,500		
	150	44.1	144.3		4,500	5,600*		150	44.1	144.3	4,500		
	160	39.8	132.9		3,900	4,700*		160	39.8	132.9	3,900		
	170	35.1	119.5		3,300	3,900*		170	35.1	119.5	3,300		
	180	29.6	103.4			3,100*		180	29.6	103.4			

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

JIB. NO. 130 WITH 12' STRUT ON

BOOM NO. 46

35,000 LB. COUNTERWEIGHT

22'4" CRAWLERS EXTENDED

360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

WITH X-SPANDER

### 30 FOOT JIB, 15 DEGREE OFFSET

BOOM LGTH. FEET	JIB OPER. RAD. FEET	JIB BOOM ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS	BOOM LGTH. FEET	JIB OPER. RAD. FEET	JIB BOOM ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS
70	30	79.8	102.8	15,000*			120	40	79.3	151.7	15,000*		
	35	76.8	101.3	15,000*				45	77.4	150.4	15,000*		
	40	73.8	99.6	15,000*				50	75.4	148.9	15,000*		
	45	70.7	97.5	15,000*				55	73.3	147.2	15,000*	15,000*	15,000*
	50	67.5	95.1	15,000*				60	71.3	145.3	15,000*	15,000*	15,000*
	55	64.3	92.3	15,000*				65	69.2	143.2	15,000*	15,000*	15,000*
	60	60.9	89.2	15,000*				70	67.1	140.8	14,800	15,000*	15,000*
	65	57.4	85.6	15,000*				80	62.8	135.5	12,200	15,000*	15,000*
	70	53.7	81.5	15,000*				90	58.3	129.1	10,200	13,100	15,000*
	80	45.6	71.5	13,200	15,000*	15,000*		100	53.5	121.5	8,600	11,200	13,600
80	90	35.9	57.7	11,200	14,100	15,000*	130	110	48.4	112.4	7,300	9,700	11,800
	30	80.7	113.1	15,000*				120	42.7	101.4	6,300	8,400	10,400
	35	78.0	111.8	15,000*				130	36.3	87.8	5,400	7,400	9,100
	40	75.3	110.2	15,000*				40	80.0	162.0	15,000*		
	45	72.5	108.3	15,000*				45	78.2	160.8	15,000*		
	50	69.7	106.2	15,000*				50	76.3	159.4	15,000*		
	55	66.8	103.7	15,000*				55	74.4	157.8	15,000*		
	60	63.9	100.9	15,000*				60	72.5	156.0	15,000*		
	65	60.8	97.8	15,000*				65	70.6	154.0	15,000*		
	70	57.6	94.3	15,000*				70	68.7	151.9	14,600	15,000*	15,000*
90	80	50.9	85.9	12,900	15,000*	15,000*		80	64.7	146.9	12,000	15,000*	15,000*
	90	43.2	75.0	10,900	13,900	15,000*		90	60.6	141.1	10,000	12,900	15,000*
	100	34.0	60.4	9,400	12,000	14,300		100	56.2	134.2	8,400	11,000	13,400
	35	79.0	122.1	15,000*				110	51.6	126.1	7,100	9,500	11,600
	40	76.6	120.7	15,000*				120	46.7	116.4	6,100	8,200	10,200
	45	74.1	119.0	15,000*				130	41.2	104.9	5,200	7,200	8,900
	50	71.5	117.0	15,000*				140	35.0	90.7	4,400	6,300	7,900
	55	68.9	114.8	15,000*				40	80.6	172.2	15,000*		
	60	66.3	112.3	15,000*				45	78.9	171.1	15,000*		
	65	63.5	109.6	15,000*				50	77.1	169.8	15,000*		
100	70	60.7	106.5	15,000*				55	75.4	168.3	15,000*	15,000*	15,000*
	80	54.8	99.1	12,800	15,000*	15,000*		60	73.6	166.6	15,000*	15,000*	15,000*
	90	48.4	90.0	10,800	13,700	15,000*		65	71.8	164.8	15,000*	15,000*	15,000*
	100	41.1	78.4	9,200	11,800	14,200		70	70.0	162.8	14,400	15,000*	15,000*
	110	32.3	62.9	7,900	10,300	12,400		80	66.3	158.2	11,800	15,000*	15,000*
	35	79.9	132.4	15,000*				90	62.5	152.8	9,800	12,700	15,000*
	40	77.6	131.1	15,000*				100	58.5	146.4	8,200	10,800	13,100
	45	75.3	129.5	15,000*				110	54.3	139.1	6,900	9,300	11,400
	50	73.0	127.8	15,000*				120	49.9	130.5	5,800	8,000	9,900
	55	70.6	125.8	15,000*				130	45.1	120.4	5,000	6,900	8,700
110	60	68.2	123.5	15,000*				140	39.8	108.3	4,200	6,000	7,700
	65	65.8	121.0	15,000*				150	33.8	93.5	3,600	5,300	6,600*
	70	63.3	118.2	15,000*				45	79.5	181.4	15,000*		
	80	58.0	111.7	12,600	15,000*	15,000*		50	77.9	180.1	15,000*		
	90	52.4	103.8	10,600	13,500	15,000*		55	76.2	178.7	15,000*	15,000*	15,000*
	100	46.3	94.0	9,000	11,600	14,000		60	74.6	177.2	15,000*	15,000*	15,000*
	110	39.3	81.7	7,700	10,100	12,200		65	72.9	175.4	15,000*		
110	35	80.6	142.7	15,000*				70	71.2	173.6	14,300	15,000*	15,000*
	40	78.5	141.4	15,000*				80	67.7	169.3	11,600	15,000*	15,000*
	45	76.4	140.0	15,000*				90	64.2	164.2	9,600	12,500	15,000*
	50	74.3	138.4	15,000*				100	60.5	158.4	8,000	10,600	13,000
	55	72.1	136.5	15,000*				110	56.7	151.6	6,700	9,100	11,200
	60	69.9	134.5	15,000*				120	52.6	143.8	5,700	7,900	9,800
	65	67.7	132.2	15,000*				130	48.3	134.7	4,800	6,800	8,500
	70	65.4	129.6	15,000*				140	43.7	124.1	4,100	5,900	7,500
	80	60.6	123.8	12,300	15,000*	15,000*		150	38.6	111.6	3,400	5,100	6,400*
	90	55.6	116.7	10,300	13,300	15,000*		160	32.8	96.2		4,400	5,500*
110	100	50.3	108.2	8,600	11,400	13,700							
	110	44.4	97.8	7,500	9,900	12,000							
	120	37.7	84.8	6,400	8,600	10,500							

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

JIB NO. 130 WITH 12' STRUT ON  
BOOM NO. 46

35,000 LB. COUNTERWEIGHT  
22'4" CRAWLERS EXTENDED  
360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

WITH X-SPANDER

### 30 FOOT JIB, 15 DEGREE OFFSET

BOOM LGTH. FEET	JIB OPER. RAD. FEET	JIB POINT ANG. DEG.	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS	BOOM LGTH. FEET	JIB OPER. RAD. FEET	JIB POINT ANG. DEG.	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS
160	45	80.1	191.6	15,000*		180	50	79.6	211.0	13,800*	
	50	78.5	190.4	15,000*			55	78.2	209.8	13,700*	13,700*
	55	77.0	189.1	15,000*			60	76.8	208.5	13,500*	13,500*
	60	75.4	187.6	15,000*			65	75.4	207.0	13,400*	13,400*
	65	73.8	186.0	15,000*			70	74.0	205.4	13,200*	13,200*
	70	72.2	184.2	14,100	15,000*		80	71.1	201.8	11,100	12,900*
	80	69.0	180.2	11,400	14,800		90	68.1	197.7	9,000	12,000
	90	65.6	175.5	9,400	12,400		100	65.1	192.8	7,400	12,400
	100	62.2	170.1	7,800	10,500		110	62.0	187.4	6,200	8,500
	110	58.7	163.8	6,500	8,900		120	58.8	181.1	5,100	7,300
	120	55.0	156.6	5,500	7,700		130	55.5	174.1	4,200	6,200
	130	51.1	148.4	4,600	6,600		140	52.0	166.1	3,500	5,300
	140	46.9	138.9	3,900	5,700		150	48.3	157.1		4,500
	150	42.4	127.8	3,200			160	44.4	146.8		3,800
	160	37.5	114.8				170	40.2	134.8		3,200
	170	31.8	98.8				180	35.6	120.8		3,100*
170	45	80.6	201.8	15,000*							
	50	79.1	200.7	15,000*							
	55	77.6	199.5	15,000*							
	60	76.1	198.1	15,000*							
	65	74.7	196.5	15,000*							
	70	73.1	194.9	13,900	15,000*						
	80	70.1	191.1	11,200	14,600						
	90	67.0	186.6	9,200	12,100						
	100	63.8	181.5	7,600	10,200						
	110	60.4	175.7	6,300	8,700						
	120	57.0	169.0	5,300	7,400						
	130	53.4	161.5	4,400	6,400						
	140	49.6	152.8	3,600	5,500						
	150	45.6	142.9	3,000	4,700						
	160	41.2	131.4								
	170	36.4	117.8								

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

JIB. NO. 130 WITH 12' STRUT ON  
BOOM NO. 46

35,000 LB. COUNTERWEIGHT  
22'4" CRAWLERS EXTENDED  
360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

WITH X-SPANDER

### 30 FOOT JIB, 30 DEGREE OFFSET

BOOM LGTH. FEET	JIB OPER. RAD. FEET	JIB BOOM ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS	BOOM LGTH. FEET	JIB OPER. RAD. FEET	JIB BOOM ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS
70	35	80.6	99.0	15,000*			130	45	80.5	158.2	15,000*		
	40	77.5	97.2	15,000*				50	78.6	156.7	15,000*		
	45	74.3	95.1	15,000*				55	76.7	155.1	15,000*	15,000*	
	50	71.1	92.6	15,000*				60	74.8	153.3	15,000*	15,000*	
	55	67.7	89.8	14,500*	14,500*	14,500*		65	72.8	151.3	15,000*	15,000*	
	60	64.2	86.5	14,000*	14,000*	14,000*		70	70.9	149.1	15,000*	15,000*	
	65	60.6	82.8	13,500*	13,500*	13,500*		80	66.8	144.1	12,300	14,600*	14,600*
	70	56.8	78.6	13,100*	13,100*	13,100*		90	62.6	138.1	10,200	13,200	14,000*
80	80	48.4	68.1	12,400*	12,400*	12,400*	140	100	58.1	131.0	8,600	11,200	13,400*
	40	78.7	107.8	15,000*				110	53.4	122.7	7,300	9,700	11,800
	45	75.9	105.9	15,000*				120	48.3	112.8	6,200	8,400	10,300
	50	73.0	103.7	15,000*				50	79.3	167.1	15,000*		
	55	70.0	101.2	15,000*	15,000*	15,000*		55	77.5	165.6	15,000*	15,000*	
	60	67.0	98.3	14,500*	14,500*	14,500*		60	75.7	163.9	15,000*	15,000*	
	65	63.8	95.1	14,000*	14,000*	14,000*		65	73.9	162.1	15,000*	15,000*	
	70	60.6	91.5	13,600*	13,600*	13,600*		70	72.1	160.0	14,800	15,000*	15,000*
90	80	53.5	82.7	12,900*	12,900*	12,900*	150	80	68.3	155.3	12,100	14,900*	14,900*
	40	79.7	118.2	15,000*				90	64.4	149.8	10,000	13,000	14,300*
	45	77.1	116.5	15,000*				100	60.3	143.4	8,400	11,000	13,300
	50	74.5	114.5	15,000*				110	56.1	135.8	7,100	9,400	11,500
	55	71.9	112.3	15,000*				120	51.5	127.0	6,000	8,100	10,100
	60	69.2	109.7	14,900*	14,900*	14,900*		130	46.6	116.6	5,100	7,100	8,800
	65	66.4	106.9	14,400*	14,400*	14,400*		50	79.9	177.4	15,000*		
	70	63.5	103.7	14,000*	14,000*	14,000*		55	78.3	176.0	15,000*	15,000*	
100	80	57.4	96.1	13,000	13,300*	13,300*	160	60	76.6	174.4	15,000*	15,000*	
	90	50.7	86.7	10,900	12,700*	12,700*		65	74.9	172.7	15,000*	15,000*	
	40	80.5	128.6	15,000*				70	73.1	170.8	14,700	15,000*	
	45	78.2	127.0	15,000*				80	69.6	166.4	12,000	15,000*	
	50	75.8	125.2	15,000*				90	66.0	161.3	9,900	12,800	14,500*
	55	73.4	123.2	15,000*	15,000*	15,000*		100	62.3	155.3	8,300	10,900	13,200
	60	70.9	120.9	15,000*	15,000*	15,000*		110	58.3	148.4	6,900	9,300	11,400
	65	68.4	118.3	14,800*	14,800*	14,800*		120	54.2	140.4	5,900	8,000	9,900
110	70	65.8	115.4	14,400*	14,400*	14,400*	170	130	49.8	131.1	4,900	6,900	8,700
	80	60.5	108.8	12,800	13,600*	13,600*		50	80.5	187.7	15,000*		
	90	54.7	100.6	10,700	13,000*	13,000*		55	78.9	186.4	15,000*	15,000*	
	100	48.3	90.4	9,100	11,800	12,500*		60	77.3	184.9	15,000*	15,000*	
	45	79.1	137.5	15,000*				65	75.7	183.3	15,000*	15,000*	
	50	76.9	135.8	15,000*				70	74.1	181.5	14,500	15,000*	
	55	74.7	133.9	15,000*	16,000*	15,000*		80	70.8	177.4	11,800	15,000*	15,000*
	60	72.4	131.8	15,000*	15,000*	15,000*		90	67.4	172.6	9,700	12,700	14,800*
120	65	70.1	129.5	15,000*	15,000*	15,000*	180	100	63.9	167.1	8,100	10,700	13,000
	70	67.8	126.9	14,700*	14,700*	14,700*		110	60.3	160.7	6,800	9,100	11,200
	80	63.0	120.9	12,600	14,000*	14,000*		120	56.5	153.3	5,700	7,800	9,700
	90	57.8	113.6	10,500	13,400*	13,400*		130	52.5	144.9	4,800	6,700	8,500
	100	52.3	104.8	8,900	11,500	12,800*		140	48.3	135.1	4,000	5,800	7,400
	110	46.2	94.0	7,600	10,000	12,100		50	81.0	198.0	14,500*		
	45	79.8	147.8	15,000*				55	79.5	196.7	14,400*	14,400*	
	50	77.8	146.3	15,000*				60	78.0	195.3	14,300*	14,300*	
130	55	75.8	144.6	15,000*	15,000*	15,000*	190	65	76.5	193.8	14,200*	14,200*	
	60	73.7	142.6	15,000*	15,000*	15,000*		65	74.9	192.1	14,100*	14,100*	
	65	71.6	140.5	15,000*	15,000*	15,000*		80	71.8	188.2	11,600	14,000*	14,000*
	70	69.4	138.1	15,000*	15,000*	15,000*		90	68.7	183.7	9,500	12,500	13,800*
	80	65.0	132.6	12,500	14,300*	14,300*		100	65.4	178.6	7,900	10,500	12,800
	90	60.4	126.1	10,400	13,300	13,700*		110	62.0	172.6	6,600	8,900	11,000
	100	55.5	118.2	8,800	11,400	13,100*		120	58.5	165.8	5,500	7,600	9,500
	110	50.2	108.9	7,500	9,800	11,900		130	54.9	158.1	4,500	6,500	8,300
	45	79.8	147.8	15,000*				140	51.0	149.2	3,800	5,600	7,100*
	50	77.8	146.3	15,000*				150	46.9	139.0	3,100	4,800	6,000*

**MANITOWOC ENGINEERING CO.**

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



**LIFTCRANE JIB CAPACITIES**

JIB: NO. 130 WITH 12' STRUT ON  
 BOOM NO. 46  
 35,000 LB. COUNTERWEIGHT  
 22'4" CRAWLERS EXTENDED  
 360 DEGREE RATING

MEETS  
 ANSI B30.5  
 REQUIREMENTS

**M-65W**

**WITH X-SPANDER**

**30 FOOT JIB, 30 DEGREE OFFSET**

BOOM LGTH. FEET	JIB OPER. RAD. FEET	BOOM ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8"	X-SPANDER EXTENDED 15'
					7'8"	15'
<b>180</b>	55	80.0	207.0	12,800*	12,700*	12,700*
	60	78.6	205.7	12,700*	12,600*	12,600*
	65	77.1	204.2	12,600*	12,500*	12,500*
	70	75.7	202.6	12,500*	12,300*	12,300*
	80	72.8	199.0	11,500	12,100*	11,900*
	90	69.8	194.8	9,400	10,400	10,300
	100	66.7	189.9	7,700	8,800	10,400
	110	63.5	184.3	6,400	7,500	9,400
	120	60.3	178.0	5,300	6,400	8,100
	130	56.9	170.8	4,400	5,400	6,900*
	140	53.3	162.7	3,600	4,600	5,800*
	150	49.6	153.4			

UNIVERSAL  
 SALE & RENTAL

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

JIB. NO. 130 WITH 12' STRUT ON

BOOM NO. 46

35,000 LB. COUNTERWEIGHT

22'4" CRAWLERS EXTENDED

360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

WITH X-SPANDER

### 40 FOOT JIB, 3 DEGREE OFFSET

BOOM LGTH. FEET	JIB OPER. RAD. FEET	BOOM ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS	X-SPANDER EXTENDED 7'8". CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS
70	25	80.9	115.0	15,000*			15,000*	
	30	78.2	113.9	15,000*			15,000*	
	35	75.6	112.6	15,000*			15,000*	
	40	72.9	111.0	15,000*			15,000*	
	45	70.1	109.1	15,000*			15,000*	
	50	67.3	107.0	15,000*			15,000*	
	55	64.5	104.6	15,000*	15,000*	15,000*	15,000*	15,000*
	60	61.5	101.8	15,000*	15,000*	15,000*	15,000*	15,000*
	65	58.5	98.7	15,000*	15,000*	15,000*	15,000*	15,000*
	70	55.4	95.3	15,000*	15,000*	15,000*	15,000*	15,000*
80	80	48.7	87.0	13,200	15,000*	15,000*	8,700	11,400
	90	41.1	76.3	11,200	14,200	15,000*	7,500	9,900
	100	32.1	61.9	9,700	12,300	14,000*	6,500	8,600
	30	79.2	124.2	15,000*			12,700	12,000
	35	76.8	122.9	15,000*			11,500*	10,500
	40	74.3	121.5	15,000*			10,300*	9,300
	45	71.8	119.8	15,000*			9,100*	8,000*
	50	69.3	117.9	15,000*			8,900*	
	55	66.7	115.7	15,000*	15,000*	15,000*	8,700	11,400
	60	64.1	113.3	15,000*	15,000*	15,000*	7,500	9,900
90	65	61.4	110.5	15,000*	15,000*	15,000*	6,500	8,600
	70	58.6	107.4	15,000*	15,000*	15,000*	5,600	7,600
	80	52.8	100.2	12,900	15,000*	15,000*	4,900	6,700
	90	46.4	91.2	10,900	13,900	15,000*	8,500	11,200
	100	39.3	79.8	9,400	12,000	14,400	7,300	9,700
	110	30.7	64.6	8,200	10,500	12,600	6,100	8,800
	30	80.0	134.4	15,000*			10,300*	10,000*
	35	77.8	133.3	15,000*			9,100*	8,800
	40	75.6	131.9	15,000*			8,900*	8,600
	45	73.3	130.4	15,000*			8,700*	8,400
100	50	71.0	128.6	15,000*			8,500*	8,200*
	55	68.6	126.6	15,000*	15,000*	15,000*	7,300	9,700
	60	66.2	124.4	15,000*	15,000*	15,000*	6,100	8,400
	65	63.8	121.9	15,000*	15,000*	15,000*	5,400	7,400
	70	61.3	119.2	15,000*	15,000*	15,000*	4,700	6,500
	80	56.1	112.7	12,700	15,000*	15,000*	4,000	5,700*
	90	50.5	104.8	10,800	13,700	15,000*	3,800	11,000*
	100	44.5	95.2	9,200	11,800	14,200	3,600	9,500
	110	37.6	83.1	8,000	10,300	12,400	3,400	8,200
	120	29.4	67.1	7,000	9,100	11,000	3,200	7,100
110	30	80.8	144.6	15,000*			10,300*	10,000*
	35	78.7	143.5	15,000*			9,100*	8,800
	40	76.6	142.3	15,000*			8,900*	8,600
	45	74.5	140.9	15,000*			8,700*	8,400
	50	72.4	139.3	15,000*			8,500*	8,200
	55	70.2	137.4	15,000*	15,000*	15,000*	7,300	9,700
	60	68.0	135.4	15,000*	15,000*	15,000*	6,100	8,400
	65	65.8	133.1	15,000*	15,000*	15,000*	5,400	7,400
	70	63.5	130.6	15,000*	15,000*	15,000*	4,700	6,500
	80	58.8	124.8	12,500	15,000*	15,000*	4,500	6,300
120	90	53.9	117.7	10,500	13,500	15,000*	3,800	5,500
	100	48.6	109.3	9,000	11,600	13,900	3,600	5,300
	110	42.7	99.0	7,800	10,100	12,200	3,400	5,100
	120	36.2	86.3	6,700	8,900	10,800	3,200	4,900
	130	28.2	69.5	5,900	7,800	9,600*	3,000	4,600*
	30	80.8	144.6	15,000*			11,000*	10,700*
	35	78.7	143.5	15,000*			9,800*	9,500
	40	76.6	142.3	15,000*			8,600*	8,300
	45	74.5	140.9	15,000*			8,400*	8,100
	50	72.4	139.3	15,000*			8,200*	7,900
130	55	70.2	137.4	15,000*	15,000*	15,000*	7,300	9,700
	60	68.0	135.4	15,000*	15,000*	15,000*	6,100	8,400
	65	65.8	133.1	15,000*	15,000*	15,000*	5,400	7,400
	70	63.5	130.6	15,000*	15,000*	15,000*	4,700	6,500
	80	58.8	124.8	12,500	15,000*	15,000*	4,500	6,300
	90	53.9	117.7	10,500	13,500	15,000*	3,800	5,500
	100	48.6	109.3	9,000	11,600	13,900	3,600	5,300
	110	42.7	99.0	7,800	10,100	12,200	3,400	5,100
	120	36.2	86.3	6,700	8,900	10,800	3,200	4,900
	130	28.2	69.5	5,900	7,800	9,600*	3,000	4,600*
140	40	79.6	183.3	15,000*			11,000*	10,700*
	45	78.0	182.3	15,000*			9,800*	9,500
	50	76.4	181.0	15,000*			8,600*	8,300
	55	74.7	179.6	15,000*			7,400*	7,100
	60	73.1	178.1	15,000*			6,200*	5,900
	65	71.4	176.4	15,000*			5,000*	4,700
	70	69.7	174.5	14,200			4,800*	4,500
	80	66.3	170.2	11,600			4,600*	4,300
	90	62.7	165.2	9,600			4,400*	4,100
	100	59.1	159.4	8,100			4,200*	3,900
150	110	55.3	152.7	6,800			3,800*	3,500*
	120	51.3	145.0	5,800			3,600*	3,300*
	130	47.0	136.0	4,900			3,400*	3,100*
	140	42.4	125.5	4,200			3,200*	2,900*
	150	37.4	113.1	3,600			3,000*	2,700*
	160	31.7	97.9	3,000			2,800*	2,500*
	170	24.7	78.4	4,000			4,400*	4,100*

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

JIB NO. 130 WITH 12' STRUT ON  
BOOM NO. 46  
35,000 LB. COUNTERWEIGHT  
22' 4" CRAWLERS EXTENDED  
360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

WITH X-SPANDER

### 40 FOOT JIB, 3 DEGREE OFFSET

BOOM LGTH. FEET	JIB OPER. RAD. FEET	BOOM ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7' 8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS	BOOM LGTH. FEET	JIB OPER. RAD. FEET	BOOM ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7' 8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS
1 5 0	40	80.2	193.5	15,000*			1 8 0	45	80.2	223.1	12,600*		
	45	78.6	192.5	15,000*				50	78.9	222.1	12,500*		
	50	77.1	191.3	15,000*				55	77.5	221.0	12,400*		
	55	75.5	190.0	15,000*	15,000*	15,000*		60	76.2	219.7	12,200*		
	60	74.0	188.6	15,000*	15,000*	15,000*		65	74.9	218.4	12,100*		
	65	72.4	187.0	15,000*	15,000*	15,000*		70	73.5	216.9	11,900*		
	70	70.8	185.2	14,000	15,000*	15,000*		80	70.8	213.5	10,800	11,700*	11,700*
	80	67.6	181.2	11,400	14,800	15,000*		90	68.0	209.5	8,800	11,500*	11,500*
	90	64.3	176.5	9,500	12,400	15,000*		100	65.2	205.0	7,300	9,900	11,200*
	100	60.9	171.1	7,900	10,500	12,900		110	62.2	199.9	6,000	8,400	10,500
	110	57.4	164.9	6,700	9,000	11,100		120	59.3	194.1	5,000	7,100	9,100
	120	53.7	157.7	5,600	7,800	9,700		130	56.2	187.5	4,100	6,100	7,800*
	130	49.8	149.6	4,800	6,800	8,500		140	52.9	180.2	3,400	5,200	6,600*
	140	45.7	140.1	4,000	5,900	7,500		150	49.6	171.9		4,500	5,500*
	150	41.2	129.2	3,400	5,100	6,400*		160	46.0	162.6		3,800	4,600*
	160	36.4	116.3		4,400	5,500*		170	42.3	151.9		3,200	3,800*
	170	30.8	100.6		3,900	4,600*		180	38.2	139.7			3,100*
1 6 0	40	80.7	203.7	15,000*				40	80.7	203.7	15,000*		
	45	79.2	202.7	15,000*				45	77.7	201.6	15,000*		
	50	77.7	201.6	15,000*				55	76.3	200.4	15,000*		
	55	76.3	200.4	15,000*	15,000*	15,000*		60	74.8	199.0	15,000*		
	60	74.8	199.0	15,000*	15,000*	15,000*		65	73.3	197.5	15,000*		
	65	73.3	197.5	15,000*	15,000*	15,000*		70	71.8	195.8	13,800	15,000*	15,000*
	70	71.8	195.8	13,800	15,000*	15,000*		80	68.8	192.0	11,200	14,600	15,000*
	80	68.8	192.0	11,200	14,600	15,000*		90	65.7	187.6	9,300	12,200	14,800
	90	65.7	187.6	9,300	12,200	14,800		100	62.5	182.6	7,700	10,300	12,600
	100	62.5	182.6	7,700	10,300	12,600		110	59.2	176.8	6,400	8,800	10,900
	110	59.2	176.8	6,400	8,800	10,900		120	55.8	170.1	5,400	7,600	9,500
	120	55.8	170.1	5,400	7,600	9,500		130	52.2	162.6	4,600	6,500	8,300
	130	52.2	162.6	4,600	6,500	8,300		140	48.4	154.0	3,800	5,700	7,200*
	140	48.4	154.0	3,800	5,700	7,200*		150	44.5	144.2	3,200	4,900	6,100*
	150	44.5	144.2	3,200	4,900	6,100*		160	40.1	132.8		4,200	5,200*
	160	40.1	132.8		4,200	5,200*		170	35.4	119.4		3,600	4,400*
	170	35.4	119.4		3,600	4,400*		180	30.0	103.3		3,100	3,600*
1 7 0	45	79.7	212.9	14,200*				45	79.7	212.9	14,200*		
	50	78.3	211.9	14,100*				50	78.3	211.9	14,100*		
	55	76.9	210.7	13,900*				55	76.9	210.7	13,900*		
	60	75.5	209.4	13,800*				60	75.5	209.4	13,800*		
	65	74.1	207.9	13,700*				65	74.1	207.9	13,700*		
	70	72.7	206.4	13,600*				70	72.7	206.4	13,600*		
	80	69.8	202.8	11,000				80	69.8	202.8	11,000		
	90	66.9	198.6	9,000				90	66.9	198.6	9,000		
	100	63.9	193.9	7,500				100	63.9	193.9	7,500		
	110	60.8	188.4	6,200				110	60.8	188.4	6,200		
	120	57.6	182.2	5,200				120	57.6	182.2	5,200		
	130	54.3	175.2	4,300				130	54.3	175.2	4,300		
	140	50.8	167.3	3,600				140	50.8	167.3	3,600		
	150	47.2	158.4	4,600				150	47.2	158.4	4,600		
	160	43.3	148.1	4,000				160	43.3	148.1	4,000		
	170	39.1	136.3		3,400			170	39.1	136.3		4,000*	
	180	34.5	122.5					180	34.5	122.5		3,300*	

# MANITOWOC ENGINEERING CO.

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

*Manitowoc*

## LIFTCRANE JIB CAPACITIES

JIB. NO. 130 WITH 12' STRUT ON  
BOOM NO. 46

35,000 LB. COUNTERWEIGHT  
22'4" CRAWLERS EXTENDED  
360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

WITH X-SPANDER

### 40 FOOT JIB, 15 DEGREE OFFSET

BOOM LGTH. FEET	JIB OPER. RAD. FEET	JIB BOOM ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS	BOOM LGTH. FEET	JIB OPER. RAD. DEG.	JIB BOOM ANG. DEG.	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS
70	35	79.7	111.5	15,000*			120	45	79.3	160.4	15,000*	
	40	77.0	109.9	15,000*				50	77.4	159.0	15,000*	
	45	74.2	108.0	15,000*				55	75.6	157.4	15,000*	15,000*
	50	71.4	105.9	15,000*				60	73.7	155.6	15,000*	15,000*
	55	68.5	103.4	15,000*				65	71.7	153.7	15,000*	15,000*
	60	65.5	100.7	15,000*	15,000*	15,000*		70	69.8	151.5	15,000*	15,000*
	65	62.4	97.5	15,000*	15,000*	15,000*		80	65.8	146.6	12,400	15,000*
	70	59.3	94.0	15,000*	15,000*	15,000*		90	61.7	140.7	10,400	15,000*
	80	52.5	85.6	13,400	15,000*	15,000*		100	57.3	133.8	8,800	11,400
	90	44.8	74.7	11,400	14,100*	14,100*		110	52.7	126.6	7,500	9,900
80	100	35.5	59.9	9,800	12,400	12,900*		120	47.7	116.0	6,400	8,600
	35	80.6	121.8	15,000*				130	42.2	104.4	5,500	7,500
	40	78.1	120.4	15,000*				140	36.0	.90.1	4,800	6,600
	45	75.6	118.7	15,000*				45	79.9	170.7	16,000*	
	50	73.0	116.7	15,000*				50	78.2	169.4	15,000*	
	55	70.4	114.5	15,000*				55	76.4	167.9	15,000*	
	60	67.8	112.1	15,000*				60	74.7	166.2	15,000*	
	65	65.0	109.3	15,000*				65	72.9	164.4	15,000*	
	70	62.2	106.1	15,000*				70	71.1	162.4	14,900	
	80	56.3	98.8	13,100	15,000*	15,000*		80	67.4	157.8	12,200	
90	90	49.8	89.7	11,100	14,100	15,000*		90	63.5	152.4	10,200	
	100	42.5	78.0	9,500	12,200	13,800*		100	59.5	146.0	8,600	11,200
	110	33.7	62.3	8,200	10,600	12,700		110	55.3	138.6	7,300	9,700
	40	79.0	130.8	15,000*				120	50.9	130.0	6,200	8,400
	45	76.7	129.2	15,000*				130	46.1	119.9	5,300	7,300
	50	74.4	127.5	15,000*				140	40.8	107.7	4,600	6,400
	55	72.0	125.4	15,000*				150	34.7	92.8	3,900	5,600
	60	69.6	123.2	15,000*				45	80.5	181.0	15,000*	
	65	67.2	120.7	15,000*				50	78.9	179.7	15,000*	
	70	64.6	117.9	15,000*				55	77.2	178.3	15,000*	
100	80	59.4	111.4	13,000	15,000*	15,000*		60	75.6	176.8	15,000*	
	90	53.8	103.4	11,000	13,900	15,000*		65	73.9	175.1	15,000*	
	100	47.6	93.6	9,400	12,000	14,300		70	72.7	173.2	14,700	
	110	40.6	81.2	8,100	10,500	12,600		80	68.7	168.9	12,000	
	120	32.1	64.7	7,000	9,200	11,100		90	65.2	163.8	10,000	
	40	79.9	141.1	15,000*				100	61.5	158.0	8,400	11,000
	45	77.7	139.7	15,000*				110	57.6	151.2	7,100	9,500
	50	75.6	138.1	15,000*				120	53.6	143.3	6,000	8,200
	55	73.4	136.2	15,000*				130	49.3	134.2	5,100	7,100
	60	71.2	134.1	15,000*				140	44.6	123.6	4,400	6,200
110	65	68.9	131.8	15,000*				150	39.5	111.0	3,700	5,400
	70	66.6	129.3	15,000*				160	33.6	95.5	3,100	4,700
	80	61.9	123.4	12,800	15,000*	15,000*		50	79.5	190.0	15,000*	
	90	56.9	116.3	10,800	13,700	15,000*		55	77.9	188.7	15,000*	
	100	51.5	107.7	9,200	11,800	14,100		60	76.4	187.3	15,000*	
	110	45.6	97.3	7,900	10,300	12,400		65	74.8	185.6	15,000*	
	120	38.9	84.3	6,800	9,000	10,900		70	73.2	183.9	14,600	
	40	80.5	151.4	15,000*				80	69.9	179.8	11,900	
	45	78.6	150.1	15,000*				90	66.6	175.1	9,800	
	50	76.6	148.6	15,000*				100	63.1	169.6	8,200	
110	55	74.6	146.9	15,000*				110	59.6	163.4	6,900	
	60	72.5	144.9	15,000*				120	55.9	156.2	5,900	
	65	70.4	142.8	15,000*				130	52.0	147.9	5,000	
	70	68.3	140.5	15,000*				140	47.8	138.3	4,200	
	80	64.0	135.1	12,600	15,000*	15,000*		150	43.3	127.3	3,500	
	90	59.5	128.7	10,500	13,500	15,000*		160	38.3	114.1	3,000	
	100	54.7	121.1	9,000	11,600	13,900		170	32.6	98.1	3,900	
	110	49.5	111.9	7,700	10,000	12,100						
	120	43.8	100.9	6,600	8,800	10,700						
	130	37.3	87.2	5,700	7,700	9,400						

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

JIB. NO. 130 WITH 12' STRUT ON  
BOOM NO. 46

35,000 LB. COUNTERWEIGHT  
22'4" CRAWLERS EXTENDED  
360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

WITH X-SPANDER

### 40 FOOT JIB, 15 DEGREE OFFSET

BOOM LGTH. FEET	JIB OPER. RAD. FEET	BOOM POINT	JIB ANG. ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS	BOOM LGTH. FEET	JIB OPER. RAD. FEET	BOOM POINT	JIB ANG. ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS
160	50	80.0	200.3	15,000*	15,000*	15,000*	180	50	80.9	220.8	12,000*	12,000*	11,800*
	55	78.5	199.1	15,000*	15,000*	15,000*		55	79.6	219.7	11,900*	11,900*	11,800*
	60	77.1	197.7	15,000*	15,000*	15,000*		60	78.3	218.4	11,800*	11,800*	11,700*
	65	75.6	196.1	14,900*	14,900*	14,900*		65	76.9	217.0	11,700*	11,700*	11,600*
	70	74.0	194.5	14,400	14,800*	14,800*		70	75.6	215.5	11,600*	11,600*	11,600*
	80	71.0	190.7	11,700	14,700*	14,700*		80	72.8	212.1	11,300	11,400*	11,400*
	90	67.8	186.2	9,600	12,600	14,500*		90	70.0	208.1	9,300	11,200*	11,200*
	100	64.6	181.1	8,000	10,700	13,000		100	67.1	203.6	7,700	10,300	11,000*
	110	61.3	175.3	6,700	9,100	11,200		110	64.2	198.4	6,400	8,700	10,800*
	120	57.9	168.6	5,700	7,800	9,700		120	61.2	192.6	5,300	7,400	9,300*
170	130	54.3	161.0	4,800	6,800	8,500	180	130	58.1	186.0	4,400	6,400	8,100*
	140	50.5	152.3	4,000	5,800	7,500		140	54.8	178.5	3,600	5,400	7,000*
	150	46.4	142.3	3,300	5,000	6,400*		150	51.4	170.2		4,700	5,800*
	160	42.1	130.8		4,400	5,400*		160	47.8	160.7		4,000	4,800*
	170	37.2	117.2		3,800	4,600*		170	44.0	150.0		3,400	4,000*
	180	39.9	137.6					180					3,200*
	50	80.5	210.6	13,500*	13,400*	13,400*		50					
	55	79.1	209.4	13,400*	13,300*	13,300*		55					
	60	77.7	208.1	13,300*	13,200*	13,200*		60					
	65	76.3	206.6	13,200*	13,100*	13,100*		65					
	70	74.8	205.0	13,100*				70					
180	80	71.9	201.4	11,500	12,900*	12,900*	190	80	71.9	197.2	12,400	12,700*	12,700*
	90	69.0	197.2	9,400	12,400	12,700*		90	70.0	192.4	10,400	12,500*	12,500*
	100	66.0	192.4	7,800	10,400	11,000		100	67.1	186.9	6,500	8,900	11,000*
	110	62.8	186.9	6,500	8,900	11,000		110	64.2	180.7	5,400	7,600	9,500
	120	59.6	180.7	5,400				120	61.2				
	130	56.3	173.6	4,500	6,500	8,300		130	58.1				
	140	52.8	165.6	3,800	5,600	7,200*		140	54.8				
	150	49.1	156.6	3,100	4,800	6,000*		150	51.4				
	160	45.2	146.2		4,100	5,100*		160	47.8				
	170	40.9	134.2		3,500	4,200*		170	44.0				
	180	36.2	120.2		3,000	3,500*		180					

SALE & RENTAL

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

JIB. NO. 130 WITH 12' STRUT ON  
BOOM NO. 46  
35,000 LB. COUNTERWEIGHT  
22'4" CRAWLERS EXTENDED  
360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

WITH X-SPANDER

40 FOOT JIB, 30 DEGREE OFFSET

BOOM LGTH. FEET	JIB OPER. RAD. FEET	BOOM ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS	BOOM LGTH. FEET	JIB OPER. RAD. FEET	BOOM ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS
70	45	78.8	105.1	13,900*			140	55	80.0	174.9	13,000*		
	50	75.8	102.9	13,300*				60	78.3	173.3	12,900*		
	55	72.9	100.3	12,700*				65	76.6	171.5	12,700*		
	60	69.8	97.5	12,200*				70	74.8	169.6	12,600*		
	65	66.6	94.2	11,700*	11,700*			80	71.3	165.2	12,400*		
	70	63.3	90.6	11,300*	11,300*			90	67.7	160.1	10,300	12,100*	12,100*
	80	56.2	81.7	10,600*	10,600*			100	63.9	154.0	8,700	11,300	11,500*
	90	48.1	70.2	10,100*	10,100*			110	59.9	147.1	7,300	9,700	11,100*
	70	66.0	102.7	11,700*	11,700*			120	55.7	139.0	6,200	8,400	10,300
	80	59.9	95.1	11,000*	11,000*			130	51.3	129.6	5,300	7,300	9,000
80	45	79.8	115.6	13,600*			150	55	80.6	185.2	12,400*		
	50	77.2	113.7	13,300*				60	79.0	183.7	12,300*		
	55	74.5	111.4	13,000*				65	77.3	182.1	12,200*		
	60	71.7	108.8	12,600*				70	75.7	180.3	12,100*		
	65	68.9	105.9	12,100*	12,100*			80	72.4	176.2	11,900*		
	70	66.0	102.7	11,700*	11,700*			90	69.0	171.3	10,200	11,700*	
	80	59.9	95.1	11,000*	11,000*			100	65.5	165.8	8,500	11,200	11,600*
	90	53.1	85.5	10,400*	10,400*			110	61.8	159.3	7,200	9,600	11,300*
	70	68.2	126.1	14,100*				120	58.0	151.9	6,100	8,200	10,200
	80	78.2	124.3	13,800*				130	54.0	143.4	5,100	7,100	8,900
90	45	75.8	122.2	13,400*				140	49.6	133.5	4,300	6,200	7,800
	50	73.3	119.9	12,900*			160	60	79.5	194.1	11,800*		
	65	70.8	117.3	12,400*	12,400*			65	78.0	192.6	11,700*		
	70	68.2	114.4	12,000*	12,000*			70	76.5	190.9	11,600*		
	80	62.7	107.7	11,300*	11,300*			80	73.3	187.0	11,400*		
	90	56.9	99.4	10,800*	10,800*			90	70.1	182.5	10,100		
	100	50.4	89.1	9,500	10,300*	10,300*		100	66.9	177.2	8,400	11,000	11,200*
	100	65.9	112.4	11,000*	11,000*			110	63.5	171.2	7,000	9,400	11,100*
	100	54.3	103.5	9,400	10,600*	10,600*		120	59.9	164.4	5,900	8,100	10,000
	110	48.1	92.6	8,000	10,200*	10,200*		130	56.2	156.6	5,000	7,000	8,700
100	50	79.1	134.8	14,200*				140	52.3	147.6	4,200	6,000	7,600
	55	76.9	132.9	13,600*				150	48.1	137.3	3,500	5,200	6,600*
	60	74.6	130.8	13,200*			170	60	80.1	204.5	11,300*		
	65	72.3	128.4	12,700*	12,700*			65	78.6	203.0	11,200*		
	70	70.0	125.8	12,300*	12,300*			70	77.2	201.4	11,200*		
	80	65.1	119.8	11,600*	11,600*			80	74.2	197.7	11,000*		
	90	59.9	112.4	11,000*	11,000*			90	71.2	193.5	9,900		
	100	54.3	103.5	9,400	10,600*	10,600*		100	68.1	188.6	8,200	10,800*	10,800*
	110	48.1	92.6	8,000	10,200*	10,200*		110	64.9	182.9	6,800	9,200	10,700*
	100	67.0	131.8	11,900*	11,900*			120	61.6	176.6	5,700	7,900	9,800
110	90	62.3	124.9	10,800*	11,300*	11,300*		130	58.2	169.3	4,800	6,800	8,500
	100	57.4	117.0	9,200	10,800*	10,800*		140	54.6	161.1	4,000	5,800	7,400
	110	52.0	107.5	7,800	10,200*	10,400*		150	50.8	151.8	3,300	5,000	6,300*
	100	68.7	142.9	12,200*	12,200*			160	46.7	141.0	4,300	5,300*	
	100	64.4	136.9	10,700	11,600*	11,600*	180	60	80.5	214.8	10,700*		
	100	59.9	129.7	9,000	11,100*	11,100*		65	79.2	213.4	10,600*		
	110	55.1	121.3	7,700	10,100	10,700*		70	77.8	211.9	10,500*		
	120	50.0	111.3	6,600	8,700	10,300*		80	75.0	208.4	10,400*		
	55	79.4	164.5	13,600*				90	72.1	204.4	9,700		
	60	77.6	162.8	13,500*				100	69.2	199.7	8,100	10,200*	
	65	75.7	160.9	13,400*	13,400*			110	66.2	194.4	6,700	9,100	10,100*
	70	73.9	158.9	13,100*	13,100*			120	63.1	188.5	5,600	7,700	9,600*
	80	70.1	154.2	12,400*	12,400*			130	59.9	181.7	4,600	6,600	8,300*
	90	66.1	148.6	10,500	11,800*	11,800*		140	56.6	174.1	3,800	5,700	7,200*
130	100	62.0	142.1	8,900	11,300*	11,300*		150	53.1	165.5	3,100	4,800	6,100*
	110	57.7	134.4	7,500	9,900	10,900*		160	49.4	155.8	4,100	5,100	
	120	53.1	125.5	6,400	8,600	10,500							
	130	48.1	114.9	5,500	7,500	9,200							

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

JIB. NO. 130 WITH 12' STRUT ON  
BOOM NO. 46

35,000 LB. COUNTERWEIGHT  
22'4" CRAWLERS EXTENDED  
360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

WITH X-SPANDER

50 FOOT JIB, 3 DEGREE OFFSET

BOOM LGTH. FEET	JIB OPR. RAD. FEET	JB POINT ANG. DEG.	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS	BOOM LGTH. FEET	JIB OPR. RAD. FEET	JB POINT ANG. DEG.	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS
70	30	79.4	124.2	15,000*		110	80	63.2	147.9	12,300	15,000*
	35	77.0	123.0	15,000*			90	59.1	142.1	10,400	15,000*
	40	74.5	121.5	15,000*			100	54.8	135.3	8,800	13,800
	45	72.0	119.8	15,000*			110	50.3	127.2	7,600	9,900
	50	69.5	117.9	15,000*			120	45.4	117.7	6,500	12,000
	55	66.9	115.7	15,000*	15,000*					8,700	10,500*
	60	64.3	113.3	15,000*	15,000*					7,700	9,400
	65	61.6	110.5	15,000*	15,000*					6,800	8,400
	70	58.8	107.4	15,000*	15,000*					4,300	6,000
	80	53.0	100.2	13,200	15,000*						
80	90	46.6	91.2	11,300	13,600*	120	130	40.0	106.3	5,700	7,700
	100	39.5	79.8	9,700	12,100*		140	33.9	92.3	4,900	6,800
	110	30.9	64.6	8,500	10,900		150	26.5	74.1	4,300	6,000
	30	80.2	134.4	15,000*							
	35	78.0	133.3	15,000*							
	40	75.7	131.9	15,000*							
	45	73.5	130.4	15,000*							
	50	71.1	128.6	15,000*							
	65	68.8	126.7	15,000*	15,000*						
	60	66.4	124.4	15,000*	15,000*						
90	65	64.0	121.9	15,000*	15,000*	130	70	68.6	163.7	14,700	15,000*
	70	61.5	119.2	15,000*	15,000*		80	64.9	159.2	12,100	15,000*
	80	56.3	112.7	13,000	15,000*		90	61.1	153.8	10,200	13,100
	90	50.7	104.9	11,000	14,000		100	57.2	147.5	8,600	11,200
	100	44.7	95.2	9,500	12,100		110	53.0	140.2	7,400	9,700
	110	37.8	83.1	8,200	10,600		120	48.6	131.7	6,300	8,500
	120	29.6	67.1	7,200	9,400		130	43.9	121.7	5,500	7,500
	30	80.9	144.6	15,000*			140	38.7	109.8	4,700	6,600
	35	78.9	143.5	15,000*			150	32.8	95.2	4,100	5,800
	40	76.8	142.3	15,000*			160	25.6	76.3	3,600	5,100
90	45	74.7	140.9	15,000*		130					
	50	72.5	139.3	15,000*							
	55	70.4	137.4	15,000*	15,000*						
	60	68.2	135.4	15,000*	15,000*						
	65	66.0	133.1	15,000*	15,000*						
	70	63.7	130.6	15,000*	15,000*						
	80	59.0	124.8	12,800	15,000*						
	90	54.0	117.8	10,800	13,800						
	100	48.7	109.3	9,300	11,900						
	110	42.9	99.1	8,000	10,400						
100	120	36.3	86.3	7,000	9,200	130	110	55.4	152.7	7,200	9,500
	130	28.4	69.5	6,200	8,100		120	51.4	145.0	6,100	8,300
	35	79.6	153.8	15,000*			130	47.2	136.0	5,300	7,200
	40	77.7	152.6	15,000*			140	42.6	125.5	4,500	6,400
	45	75.7	151.3	15,000*			150	37.5	113.1	3,900	5,600
	50	73.7	149.8	15,000*			160	31.8	98.0	3,300	4,900
	55	71.7	148.1	15,000*	15,000*		170	24.9	78.4	4,400	6,100
	60	69.7	146.2	15,000*	15,000*						
	65	67.7	144.1	15,000*	15,000*						
	70	65.6	141.8	15,000*	15,000*						
110	80	61.3	136.5	12,600	15,000*	130					
	90	56.8	130.1	10,600	13,500						
	100	52.0	122.6	9,100	11,700						
	110	47.0	113.6	7,800	10,200						
	120	41.4	102.8	6,800	9,000						
	130	35.0	89.4	5,900	7,900						
	140	27.4	71.9	5,200	7,000						
	35	80.3	164.0	15,000*							
	40	78.4	162.9	15,000*							
	45	76.6	161.7	15,000*							
110	50	74.8	160.3	15,000*		130	65	72.5	187.0	15,000*	15,000*
	55	72.9	158.7	15,000*	15,000*		70	70.9	185.2	14,300	15,000*
	60	71.0	156.9	15,000*	15,000*		80	67.7	181.2	11,700	15,000*
	65	69.1	155.0	15,000*	15,000*		90	64.4	176.5	9,700	12,600
	70	67.2	152.8	14,900	15,000*		100	61.0	171.1	8,200	10,800
110	35	80.3	164.0	15,000*		130	110	57.5	164.9	6,900	9,300
	40	78.4	162.9	15,000*			120	53.8	157.7	5,900	8,000
	45	76.6	161.7	15,000*			130	49.9	149.6	5,000	7,000
	50	74.8	160.3	15,000*			140	45.8	140.1	4,300	6,100
110	55	72.9	158.7	15,000*	15,000*	130	150	41.4	129.2	3,600	5,300
	60	71.0	156.9	15,000*	15,000*		160	36.5	116.3	3,100	4,700
	65	69.1	155.0	15,000*	15,000*		170	30.9	100.7	4,100	5,900*
	70	67.2	152.8	14,900	15,000*		180	24.2	80.5	3,600	3,800*

**MANITOWOC ENGINEERING CO.**

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



**LIFTCRANE JIB CAPACITIES**

JIB. NO. 180 WITH 12' STRUT ON

BOOM NO. 46

35,000 LB. COUNTERWEIGHT

22' 4" CRAWLERS EXTENDED

360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

**M-65W**

**WITH X-SPANDER**

**50 FOOT JIB, 3 DEGREE OFFSET**

BOOM LGTH. FEET	JIB OPER. RAD. FEET	JIB BOOM ANG. DEG.	X-SPANDER RETRACTED ELEV. FEET	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS	BOOM LGTH. FEET	JIB OPER. RAD. FEET	JIB BOOM ANG. DEG.	X-SPANDER RETRACTED ELEV. FEET	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS
<b>150</b>	40	80.8	203.7	15,000*		<b>180</b>	45	80.7	233.3	11,200*	
	45	79.3	202.7	15,000*			50	79.5	232.3	11,100*	
	50	77.9	201.6	15,000*			55	78.2	231.3	11,000*	
	55	76.4	200.4	15,000*			60	76.9	230.1	10,900*	
	60	74.9	199.0	15,000*			65	75.6	228.8	10,800*	
	65	73.4	197.5	15,000*			70	74.4	227.3	10,700*	
	70	71.9	195.8	14,100	14,900*		80	71.8	224.1	10,500*	
	80	68.9	192.0	11,500	14,700*		90	69.1	220.4	8,900	10,300*
	90	65.8	187.6	9,500	12,500		100	66.4	216.1	7,300	10,000
	100	62.6	182.6	8,000	10,600		110	63.7	211.2	6,100	8,500
	110	59.3	176.8	6,700	9,100		120	60.8	205.7	5,100	7,200
	120	55.9	170.1	5,700	7,900		130	57.9	199.6	4,200	6,200
	130	52.3	162.6	4,800	6,800		140	54.9	192.7	3,400	5,300
	140	48.6	154.0	4,100	5,900		150	51.8	185.0	4,500	5,600*
	150	44.6	144.2	3,500	5,200		160	48.5	176.4	3,900	4,700*
<b>160</b>	160	40.3	132.8		4,500		170	45.1	166.7	3,300	3,900*
	170	35.5	119.5		3,900		180	41.4	155.7		3,100*
	180	30.1	103.3		3,400						
	190	23.5	82.5		3,000*						
	45	79.8	212.9	13,900*		<b>170</b>	45	80.3	223.1	12,500*	
	50	78.4	211.9	13,800*			50	79.0	222.1	12,400*	
	55	77.1	210.7	13,700*			55	77.7	221.0	12,300*	
	60	75.7	209.4	13,600*			60	76.3	219.8	12,200*	
	65	74.2	208.0	13,500*			65	75.0	218.4	12,100*	
	70	72.8	206.4	13,400*			70	73.6	216.9	12,000*	
	80	69.9	202.8	11,300			80	70.9	213.5	11,800*	
	90	67.0	198.7	9,300			90	68.1	209.5	9,100	11,600*
	100	64.0	193.9	7,800			100	65.3	205.0	7,500	10,200
	110	60.9	188.4	6,500			110	62.4	199.9	6,300	9,700
	120	57.7	182.2	5,500			120	59.4	194.1	5,200	7,400
	130	54.4	175.2	4,600			130	56.3	187.6	4,400	8,100
	140	51.0	167.3	3,900			140	53.1	180.2	3,600	5,500
	150	47.3	158.4	3,200			150	49.7	171.9	3,000	7,000*
	160	43.4	148.1				160	46.1	162.6		5,900*
	170	39.2	136.3				170	42.4	151.9		4,700
	180	34.6	122.5				180	38.3	139.7		4,900*
	190	29.3	105.8								3,400*

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

JIB. NO. 130 WITH 12' STRUT ON  
BOOM NO. 46

35,000 LB. COUNTERWEIGHT

22'4" CRAWLERS EXTENDED

360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

WITH X-SPANDER

50 FOOT JIB, 15 DEGREE OFFSET

BOOM LGTH. FEET	JIB OPER. BOOM RAD. FEET	JIB POINT ANG. DEG.	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS	BOOM LGTH. FEET	JIB OPER. BOOM RAD. FEET	JIB POINT ANG. DEG.	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS
70	40	79.3	20.3	15,000*	15,000*	120	45	80.8	170.6	15,000*	15,000*
	45	76.8	118.7	15,000*	15,000*		50	79.0	169.3	15,000*	15,000*
	50	74.2	116.7	15,000*	15,000*		55	77.3	167.8	15,000*	15,000*
	55	71.6	114.5	15,000*	15,000*		60	75.5	166.1	15,000*	15,000*
	60	68.9	112.0	15,000*	15,000*		65	73.7	164.3	15,000*	15,000*
	65	66.2	109.2	15,000*	15,000*		70	71.9	162.3	15,000*	15,000*
	70	63.4	106.1	14,600*	14,600*		80	68.2	157.7	12,600	15,000*
	80	57.5	98.8	12,900*	12,900*		90	64.3	152.2	10,500	13,500
	90	51.0	89.6	11,500	11,600*		100	60.3	145.9	8,900	11,500
	100	43.7	77.9	9,900	10,600*		110	56.2	138.5	7,600	10,000
80	110	34.8	62.3	8,600	9,800*		120	51.7	129.8	6,600	8,700
	40	80.1	130.7	15,000*	15,000*		130	46.9	119.7	5,700	7,600
	45	77.8	129.2	15,000*	15,000*		140	41.6	107.5	4,900	6,700
	50	75.5	127.4	15,000*	15,000*		150	35.5	92.6	4,200	5,900
	55	73.1	125.4	15,000*	15,000*		50	79.7	179.6	15,000*	15,000*
	60	70.7	123.1	15,000*	15,000*		55	78.0	178.2	15,000*	15,000*
	65	68.2	120.6	15,000*	15,000*		60	76.3	176.5	15,000*	15,000*
	70	65.7	117.8	15,000*	15,000*		65	74.7	174.9	15,000*	15,000*
	80	60.5	111.3	13,300	13,700*		70	73.0	173.0	15,000*	15,000*
	90	54.8	103.3	11,300	12,400*		80	69.5	168.7	12,400	15,000*
90	100	48.7	93.5	9,700	11,300*		90	65.9	163.7	10,300	13,300
	110	41.6	81.1	8,400	10,400*		100	62.2	157.8	8,700	11,400
	120	33.1	64.6	7,300	9,500		110	58.4	151.0	7,400	9,800
	40	80.9	141.0	15,000*	15,000*		120	54.3	143.2	6,400	8,500
	45	78.7	139.6	15,000*	15,000*		130	50.0	134.1	5,500	7,500
	50	76.6	138.0	15,000*	15,000*		140	45.4	123.4	4,700	6,500
	55	74.4	136.1	15,000*	15,000*		150	40.2	110.8	4,000	5,700
	60	72.2	134.1	15,000*	15,000*		160	34.4	95.2	3,400	5,000
	65	69.9	131.8	15,000*	15,000*		50	80.2	189.9	15,000*	15,000*
	70	67.6	129.2	15,000*	15,000*		55	78.7	188.6	15,000*	15,000*
100	80	62.9	123.3	13,100	14,400*		60	77.1	187.1	15,000*	15,000*
	90	57.9	116.2	11,100	13,000*		65	75.5	185.5	15,000*	15,000*
	100	52.5	107.6	9,500	11,900*		70	73.9	183.7	14,900	15,000*
	110	46.6	97.2	8,200	10,600		80	70.7	179.7	12,200	15,000*
	120	39.8	84.1	7,100	9,300		90	67.3	175.0	10,100	13,100
	130	31.6	66.8	6,200	8,200		100	63.9	169.5	8,500	11,100
	45	79.5	150.0	15,000*	15,000*		110	60.3	163.2	7,200	9,600
	50	77.5	148.5	15,000*	15,000*		120	56.6	156.0	6,100	8,300
	55	75.5	146.8	15,000*	15,000*		130	52.7	147.7	5,200	7,200
	60	73.5	144.8	15,000*	15,000*		140	48.5	138.2	4,500	6,300
110	65	71.4	142.7	15,000*	15,000*		150	44.0	127.0	3,800	5,500
	70	69.3	140.4	15,000*	15,000*		160	39.0	113.9	3,200	4,800
	80	64.9	135.0	12,900	15,000*		170	33.3	97.8	4,200	6,100*
	90	60.4	128.6	10,900	13,700*		50	80.7	200.2	14,500*	14,400*
	100	55.6	120.9	9,300	11,900		55	79.2	198.9	14,400*	14,400*
	110	50.4	111.8	8,000	10,400		60	77.8	197.5	14,400*	14,400*
	120	44.7	100.8	7,000	9,100		65	76.3	196.0	14,400*	14,400*
	130	38.2	87.0	6,100	8,000		70	74.8	194.3	14,400*	14,400*
	45	80.2	160.3	15,000*	15,000*		80	71.7	190.5	12,100	14,300*
	50	78.3	158.9	15,000*	15,000*		90	68.5	186.1	10,000	12,900*
110	55	76.5	157.3	15,000*	15,000*		100	65.3	181.0	8,400	11,000
	60	74.6	155.5	15,000*	15,000*		110	62.0	175.1	7,100	9,400
	65	72.6	153.6	15,000*	15,000*		120	58.6	168.4	6,000	8,100
	70	70.7	151.4	15,000*	15,000*		130	54.9	160.8	5,100	7,100
	80	66.7	146.4	12,700	15,000*		140	51.2	152.1	4,300	6,100
	90	62.5	140.6	10,700	13,600		150	47.1	142.1	3,600	5,400
	100	58.2	133.6	9,100	11,700		160	42.7	130.6	3,100	4,700
	110	53.5	125.5	7,800	10,200		170	37.9	116.9	4,000	5,000*
	120	48.6	115.8	6,700	8,900		180	32.3	100.3	3,500	4,200*
	130	43.1	104.2	5,800	7,800		140	36.8	89.9	6,900	8,500

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

JIB. NO. 130 WITH 12' STRUT ON

BOOM NO. 46

35,000 LB. COUNTERWEIGHT

22'4" CRAWLERS EXTENDED

360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

WITH X-SPANDER

50 FOOT JIB, 15 DEGREE OFFSET

BOOM LGTH. FEET	JIB OPER. RAD. FEET	BOOM ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS	BOOM LGTH. FEET	JIB OPER. RAD. FEET	BOOM ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS
1 6 0	55	79.8	209.2	13,100*	13,000*	13,000*	55	80.7	229.7	10,500*	10,500*	10,500*	
	60	78.4	207.9	13,000*	13,000*	13,000*	60	79.4	228.5	10,500*	10,500*	10,500*	
	65	76.9	206.4	13,000*	13,000*	13,000*	65	78.1	227.2	10,400*	10,400*	10,400*	
	70	75.5	204.9	12,900*	12,900*	12,900*	70	76.8	225.8	10,300*	10,300*	10,300*	
	80	72.6	201.3	11,900	12,800*	12,800*	80	74.2	222.5	10,200*	10,200*	10,200*	
	90	69.6	197.1	9,800	12,700*	12,700*	90	71.5	218.8	9,500	10,000*	10,000*	
	100	66.6	192.2	8,200	10,800	12,700*	100	68.8	214.4	7,800	9,900*	9,900*	
	110	63.5	186.7	6,900	9,300	11,300	110	66.0	209.5	6,500	8,900	9,800*	
	120	60.3	180.5	5,800	8,000	9,900	120	63.2	204.0	5,400	7,600	9,400*	
	130	56.9	173.4	4,900	6,900	8,600	130	60.3	197.8	4,500	6,500	8,100*	
1 8 0	140	53.4	165.4	4,100	6,000	7,600	140	57.2	190.9	3,700	5,600	7,000*	
	150	49.7	156.4	3,500	5,200	6,600*	150	54.1	183.1	3,100	4,800	6,000*	
	160	45.8	146.0		4,500	5,600*	160	50.8	174.4		4,100	5,000*	
	170	41.5	134.0		3,900	4,700*	170	47.3	164.5		3,500	4,200*	
	180	36.8	119.9		3,300	4,000*	180	43.5	153.4			3,400*	
	55	80.3	219.5	11,700*	11,700*	11,700*							
	60	78.9	218.2	11,700*	11,700*	11,700*							
	65	77.6	216.9	11,600*	11,600*	11,600*							
	70	76.2	215.3	11,500*	11,500*	11,500*							
	80	73.4	211.9	11,400*	11,400*	11,400*							
1 7 0	90	70.6	208.0	9,600	11,300*	11,300*	90	70.6	208.0	9,600	11,200*	11,200*	
	100	67.8	203.4	8,000	10,600	11,200*	100	67.8	203.4	8,000	10,600	11,200*	
	110	64.8	198.2	6,700	9,000	11,100*	110	64.8	198.2	6,700	9,000	11,100*	
	120	61.8	192.4	5,600	7,700	9,700	120	61.8	192.4	5,600	7,700	9,700	
	130	58.7	185.8	4,700	6,700	8,400	130	58.7	185.8	4,700	6,700	8,400	
	140	55.4	178.3	3,900	5,700	7,400	140	55.4	178.3	3,900	5,700	7,400	
	150	52.0	170.0	3,200	4,900	6,200*	150	52.0	170.0	3,200	4,900	6,200*	
	160	48.5	160.5		4,200	5,200*	160	48.5	160.5		4,200	5,200*	
	170	44.6	149.7		3,600	4,400*	170	44.6	149.7		3,600	4,400*	
	180	40.5	137.3		3,100	3,600*	180	36.8	122.8		3,100	3,600*	

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

JIB. NO. 130 WITH 12' STRUT ON

BOOM NO. 46

35,000 LB. COUNTERWEIGHT

22'4" CRAWLERS EXTENDED

360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

WITH X-SPANDER

50 FOOT JIB, 30 DEGREE OFFSET

	BOOM LGTH. FEET	JIB OPER. RAD. FEET	JIB BOOM ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS	BOOM LGTH. FEET	JIB OPER. RAD. FEET	JIB BOOM ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS
7 0	50	79.5	113.4	12,300*				1 4 0	60	80.4	183.1	10,600*		
	55	76.9	111.1	11,700*					65	78.8	181.4	10,500*		
	60	74.1	108.5	11,200*					70	77.2	179.6	10,400*		
	65	71.3	105.6	10,700*					80	73.8	175.5	10,300*	10,300*	10,300*
	70	68.4	102.4	10,300*					90	70.4	170.6	10,100*	10,100*	10,100*
	80	62.2	94.8	9,500*	9,500*				100	66.9	165.0	8,900	10,000*	10,000*
	90	55.4	85.1	8,800*	8,800*				110	63.2	158.5	7,600	9,700*	9,700*
	100	47.6	72.7	8,300*	8,300*				120	59.4	151.1	6,400	8,600	9,200*
	50	80.4	123.9	10,900*					130	55.3	142.5	5,500	7,500	8,900*
	55	78.0	121.9	10,700*					140	51.0	132.6	4,700	6,500	8,100
8 0	60	75.5	119.5	10,500*					150	46.2	120.9	4,000	5,700	7,200
	65	72.9	116.9	10,300*				1 5 0	60	80.9	193.5	10,200*		
	70	70.3	114.0	10,100*					65	79.4	191.9	10,100*		
	80	64.9	107.3	9,700*	9,700*				70	77.9	190.2	10,000*		
	90	59.0	98.9	9,200*	9,200*				80	74.7	186.3	9,900*	9,900*	9,900*
	100	52.5	88.6	8,600*	8,600*				90	71.5	181.7	9,700*	9,700*	9,700*
	55	78.9	132.5	11,100*					100	68.2	176.5	8,800	9,600*	9,600*
	60	76.6	130.4	10,900*					110	64.8	170.5	7,400	9,500*	9,500*
	65	74.3	128.0	10,700*					120	61.2	163.6	6,300	8,500	9,400*
	70	72.0	125.4	10,500*					130	57.5	155.7	5,300	7,300	9,000*
	80	67.1	119.3	10,200*	10,200*				140	53.6	146.7	4,500	6,400	8,000
9 0	90	61.8	111.9	9,500*	9,500*				150	49.4	136.3	3,800	5,500	7,000
	100	56.2	103.0	8,900*	8,900*			1 6 0	65	79.9	202.3	9,700*		
	110	50.0	91.9	8,400	8,400				70	78.5	200.7	9,600*		
	55	79.7	143.0	11,700*					80	75.5	197.0	9,500*	9,400*	9,400*
	60	77.6	141.1	11,500*					90	72.5	192.7	9,400*	9,200*	9,200*
	65	75.5	138.9	11,300*					100	69.4	187.8	8,600		
	70	73.3	136.5	11,200*					110	66.2	182.1	7,300	9,100*	9,100*
	80	68.9	130.9	10,500*	10,500*				120	62.9	175.7	6,100	8,300	9,100*
	90	64.2	124.3	9,800*	9,800*				130	59.4	168.5	5,200	7,200	8,900*
	100	59.2	116.3	9,200*	9,200*				140	55.8	160.2	4,400	6,200	7,800
	110	53.8	106.8	8,200	8,200				150	52.0	150.8	3,700	5,400	6,900
1 0 0	120	47.8	95.2	7,100	8,300*				160	47.9	140.0	3,000	4,600	5,800*
	55	80.4	153.5	12,100*				1 7 0	65	80.4	212.7	9,300*		
	60	78.5	151.7	12,100*					70	79.0	211.1	9,300*		
	65	76.5	149.7	11,800*					80	76.2	207.6	9,200*	9,200*	9,200*
	70	74.5	147.4	11,400*					90	73.4	203.6	9,000*	9,000*	9,000*
	80	70.4	142.3	10,700*	10,700*				100	70.4	198.9	8,500	8,900*	8,900*
	90	66.1	136.3	10,100*	10,100*				110	67.4	193.6	7,100	8,900*	8,900*
	100	61.6	129.1	9,400	9,500*				120	64.3	187.6	5,900	8,100	8,800*
	110	56.8	120.6	8,000	9,000*				130	61.1	180.8	5,000	7,000	8,700
	120	51.6	110.5	6,900	8,600*				140	57.8	173.2	4,200	6,000	7,600
1 1 0	60	79.2	162.2	11,700*					150	54.3	164.5	3,500	5,200	6,600*
	65	77.4	160.3	11,600*					160	50.5	154.7		4,400	5,500*
	70	75.5	158.3	11,500*					170	46.5	143.5		3,800	4,600*
	80	71.7	153.5	10,900*	10,900*			1 8 0	65	80.9	223.0	9,000*		
	90	67.7	147.9	10,300*	10,300*				70	79.5	221.5	8,900*		
	100	63.6	141.4	9,200	9,700*				80	76.9	218.2	8,800*	8,800*	8,800*
	110	59.3	133.7	7,900	9,200*				90	74.1	214.4	8,700*	8,700*	8,700*
	120	54.6	124.7	6,800	8,800*				100	71.4	210.0	8,300	8,600*	8,600*
1 2 0	130	49.6	114.1	5,800	7,800				110	68.5	204.9	7,000	8,600*	8,600*
	60	79.8	172.7	11,100*					120	65.6	199.3	5,800	8,000	8,500*
	65	78.1	170.9	11,000*					130	62.6	192.9	4,800	6,800	8,400*
	70	76.4	169.0	10,900*					140	59.5	185.8	4,000	5,900	7,300*
	80	72.8	164.6	10,700*	10,700*				150	56.2	177.8	3,300	5,000	6,400*
	90	69.2	159.4	10,600*	10,600*				160	52.8	168.8		4,300	5,300*
	100	65.4	153.3	9,100	10,000*				170	49.2	158.6		3,600	4,400*
	110	61.4	146.3	7,700	9,500*			CHART NO. 7524-B-2-19-90/GA PAGE 17 OF 22						
	120	57.2	138.2	6,600	8,800									
	130	52.7	128.7	5,700	7,700									
	140	47.8	117.6	4,900	6,700									

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

JIB. NO. 130 WITH 12' STRUT ON  
BOOM NO. 46

35,000 LB. COUNTERWEIGHT  
22'4" CRAWLERS EXTENDED  
360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

WITH X-SPANDER

### 60 FOOT JIB, 3 DEGREE OFFSET

BOOM LGTH. FEET	JIB OPER. RAD. FEET	BOOM POINT ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS	BOOM LGTH. FEET	JIB OPER. RAD. FEET	BOOM POINT ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS
70	30	80.1	134.4	15,000*			110	35	80.7	174.2	15,000*		
	35	77.9	133.3	15,000*				40	79.0	173.2	15,000*		
	40	75.6	132.0	15,000*				45	77.3	172.0	15,000*		
	45	73.3	130.4	15,000*				50	75.6	170.7	15,000*		
	50	71.0	128.7	15,000*				55	73.9	169.2	14,700*	14,700*	
	55	68.7	126.7	14,800*	14,800*	14,800*		60	72.1	167.6	14,400*	14,400*	
	60	66.3	124.5	14,400*	14,400*	14,400*		65	70.3	165.8	14,100*	14,100*	
	65	63.9	122.0	14,000*	14,000*	14,000*		70	68.5	163.8	13,900*	13,900*	
	70	61.4	119.2	13,600*	13,600*	13,600*		80	64.8	159.2	12,400	13,300*	13,300*
	80	56.2	112.8	13,000*	13,000*	13,000*		90	61.0	153.8	10,400	12,900*	12,900*
80	90	50.6	104.9	11,300	12,300*	12,300*	120	100	57.1	147.6	8,800	11,500	12,200*
	100	44.6	95.3	9,800	10,800*	10,800*		110	52.9	140.2	7,600	10,000	11,600*
	110	37.7	83.2	8,500	9,700*	9,700*		120	48.6	131.7	6,600	8,700	10,600
	120	29.5	67.2	7,500	8,800*	8,800*		130	43.8	121.7	5,700	7,700	9,400
	30	80.8	144.6	15,000*				140	38.6	109.8	5,000	6,800	8,400
	35	78.7	143.6	15,000*				150	32.7	96.3	4,300	6,000	7,600
	40	76.7	142.3	15,000*				160	25.6	76.4	3,800	5,400	6,200*
	45	74.6	140.9	15,000*				40	79.7	183.4	15,000*		
	50	72.4	139.3	15,000*				45	78.0	182.3	15,000*		
	55	70.3	137.5	14,900*	14,900*	14,900*		50	76.4	181.1	14,900*		
90	60	68.1	135.4	14,500*	14,500*	14,500*		55	74.8	179.7	14,600*	14,600*	
	65	65.8	133.2	14,100*	14,100*	14,100*		60	73.1	178.1	14,300*	14,300*	
	70	63.6	130.6	13,800*	13,800*	13,800*		65	71.4	176.4	14,000*	14,000*	
	80	58.9	124.8	13,000	13,100*	13,100*		70	69.8	174.6	13,800*	13,800*	
	90	53.9	117.8	11,100	12,000*	12,000*		80	66.3	170.3	12,200	13,300*	13,300*
	100	48.6	109.4	9,500	11,000*	11,000*		90	62.8	165.3	10,200	12,800*	12,800*
	110	42.8	99.1	8,300	10,200*	10,200*		100	59.1	159.5	8,600	11,300	12,300*
	120	36.3	86.4	7,200	9,400	9,500*		110	55.3	152.8	7,400	9,800	11,700*
	130	28.3	69.6	6,400	8,400	8,700*		120	51.3	145.0	6,400	8,500	10,400
	35	79.5	153.8	15,000*				130	47.1	136.0	5,500	7,500	9,300
100	40	77.6	152.7	15,000*				140	42.5	125.6	4,800	6,600	8,200
	45	75.6	151.3	15,000*				150	37.5	113.1	4,100	5,900	7,400
	50	73.6	149.8	15,000*				160	31.7	98.0	3,600	5,200	6,400*
	55	71.6	148.1	14,900*	14,900*	14,900*		170	24.8	78.5	3,100	4,600	5,100*
	60	69.6	146.3	14,500*	14,500*	14,500*		40	80.2	193.6	15,000*		
	65	67.6	144.2	14,200*	14,200*	14,200*		45	78.7	192.6	14,900*		
	70	65.5	141.8	13,900*	13,900*	13,900*		50	77.1	191.4	14,600*		
	80	61.2	136.5	12,800	13,300*	13,300*		55	75.6	190.1	14,400*	14,400*	
	90	56.7	130.2	10,900	12,700*	12,700*		60	74.0	188.6	14,100*	14,100*	
	100	52.0	122.6	9,300	11,700*	11,700*		65	72.5	187.0	13,900*	13,900*	
110	110	46.9	113.6	8,100	10,500	10,800*		70	70.9	185.2	13,600*	13,600*	
	120	41.3	102.8	7,100	9,200	10,100*		80	67.6	181.2	12,000	13,200*	13,200*
	130	34.9	89.4	6,200	8,200	9,400*		90	64.3	176.6	10,000	12,800*	12,800*
	140	27.3	72.0	5,500	7,300	8,600*		100	60.9	171.1	8,400	11,100	12,200*
	35	80.2	164.0	15,000*				110	57.4	164.9	7,200	9,600	11,600*
	40	78.3	162.9	15,000*				120	53.7	157.8	6,200	8,300	10,200
	45	76.5	161.7	15,000*				130	49.9	149.6	5,300	7,300	9,000
	50	74.7	160.3	15,000*				140	45.7	140.2	4,600	6,400	8,000
	55	72.8	158.7	14,800*	14,800*	14,800*		150	41.3	129.3	3,900	5,600	7,100
	60	70.9	157.0	14,500*	14,500*	14,500*		160	36.4	116.4	3,400	5,000	6,300*
120	65	69.0	155.0	14,200*	14,200*	14,200*		170	30.9	100.7	4,400	5,300*	
	70	67.1	152.9	13,900*	13,900*	13,900*		180	24.1	80.6	3,900	4,200*	
	80	63.1	148.0	12,600	13,300*	13,300*		90	59.0	142.1	10,600	12,800*	
	90	59.0	142.1	10,600	12,800*	12,800*		100	54.7	135.3	9,100	11,700	12,200*
	100	50.2	127.3	7,900	10,200	11,500*		110	50.2	127.3	7,900	10,200	
	110	45.3	117.8	6,800	9,000	10,900		120	39.9	106.4	6,000	8,000	9,700
	120	33.8	92.4	5,200	7,100	8,700		130	26.4	74.2	4,600	6,300	7,400*
	130	26.4	74.2	4,600	6,300	7,400*		140	26.4	74.2	4,600	6,300	
	150	26.4	74.2	4,600	6,300	7,400*		160	26.4	74.2	4,600	6,300	
	170	26.4	74.2	4,600	6,300	7,400*		180	26.4	74.2	4,600	6,300	

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

JIB NO. 130 WITH 12' STRUT ON

BOOM NO. 46

35,000 LB. COUNTERWEIGHT

22'4" CRAWLERS EXTENDED

360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

WITH X-SPANDER

### 60 FOOT JIB, 3 DEGREE OFFSET

BOOM LGTH. FEET	JIB OPER. RAD. FEET	BOOM ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS	BOOM LGTH. FEET	JIB OPER. RAD. FEET	BOOM ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS
140	40	80.7	203.8	14,000*			170	45	80.7	233.3	10,700*		
	45	79.2	202.8	13,900*				50	79.4	232.4	10,600*		
	50	77.8	201.7	13,800*				55	78.1	231.3	10,600*		
	55	76.3	200.4	13,700*	13,700*	13,700*		60	76.9	230.1	10,500*	10,500*	
	60	74.8	199.0	13,600*	13,600*	13,600*		65	75.6	228.8	10,400*	10,400*	
	65	73.4	197.5	13,500*	13,500*	13,500*		70	74.3	227.4	10,300*	10,300*	
	70	71.9	195.9	13,400*	13,400*	13,400*		80	71.7	224.1	10,100*	10,100*	
	80	68.8	192.1	11,700	13,000*	13,000*		90	69.0	220.4	9,100	10,000*	
	90	65.7	187.7	9,700	12,600*	12,600*		100	66.3	216.1	7,600	9,900*	
	100	62.5	182.6	8,200	10,800	12,000*		110	63.6	211.3	6,300	8,700	9,700*
	110	59.2	176.8	6,900	9,300	11,400		120	60.8	205.8	5,300	7,400	9,300
	120	55.8	170.2	5,900	8,100	10,000		130	57.9	199.6	4,400	6,400	8,100
	130	52.2	162.7	5,000	7,000	8,800		140	54.9	192.8	3,700	5,500	7,000*
	140	48.5	154.1	4,300	6,100	7,800		150	51.7	185.1	3,000	4,700	5,900*
	150	44.5	144.2	3,700	5,400	6,900*		160	48.5	176.4		4,100	5,000*
	160	40.2	132.9	3,100	4,700	5,900*		170	45.0	166.7		3,500	4,200*
	170	35.4	119.5		4,100	5,100*		180	41.3	155.7		3,000	3,500*
	180	30.0	103.3		3,600	4,300*							
	190	23.5	82.6		3,200	3,200*							
150	45	79.8	213.0	12,800*			160	45	80.2	223.2	11,800*		
	50	78.4	211.9	12,700*				50	78.9	222.2	11,700*		
	55	77.0	210.7	12,600*				55	77.6	221.0	11,600*		
	60	75.6	209.4	12,600*	12,600*	12,600*		60	76.2	219.8	11,500*		
	65	74.2	208.0	12,500*	12,500*	12,500*		70	73.6	216.9	11,400*	11,400*	
	70	72.7	206.4	12,400*	12,400*	12,400*		70	70.8	213.5	11,200*	11,200*	
	80	69.9	202.8	11,500	12,200*	12,200*		80	68.0	209.6	9,300	11,100*	
	90	66.9	198.7	9,600	12,100*	12,100*		90	65.2	205.1	7,800	10,400	10,900*
	100	63.9	193.9	8,000	10,600	11,800*		100	62.3	199.9	6,500	8,900	10,800*
	110	60.8	188.5	6,800	9,100	11,200		120	59.3	194.1	5,500	7,700	9,600
	120	57.7	182.3	5,700	7,900	9,800		130	54.3	175.3	4,900	6,800	8,600
	130	54.3	175.3	4,900	6,800	8,600		140	50.9	167.4	4,100	6,000	7,600
	140	50.9	167.4	4,100	5,200	6,600*		150	47.2	158.4	3,500	4,500	5,700*
	150	47.2	158.4	3,500	4,500	5,700*		160	43.4	148.2			
	170	39.2	136.4		4,000	4,900*							
	180	34.5	122.6		3,400	4,200*							
	190	29.3	105.9		3,000	3,400*							
160	45	80.2	223.2	11,800*			170	45	80.7	233.3	10,700*		
	50	78.9	222.2	11,700*				50	78.4	222.2	11,700*		
	55	77.6	221.0	11,600*				55	77.2	220.8	11,500*		
	60	76.2	219.8	11,500*	11,500*	11,500*		60	75.8	219.4	11,400*	11,400*	
	65	74.9	218.4	11,400*	11,400*	11,400*		70	73.6	216.9	11,400*	11,400*	
	70	73.6	216.9	11,400*	11,400*	11,400*		70	70.8	213.5	11,200*	11,200*	
	80	70.8	213.5	11,200*	11,200*	11,200*		80	68.0	209.6	9,300	11,100*	
	90	68.0	209.6	9,300	11,100*	11,100*		90	65.2	205.1	7,800	10,400	10,900*
	100	65.2	205.1	7,800	10,400	10,900*		100	62.3	199.9	6,500	8,900	10,800*
	110	62.3	199.9	6,500	8,900	10,800*		120	59.3	194.1	5,500	7,700	9,600
	120	59.3	194.1	5,500	7,700	9,600		130	56.2	187.6	4,600	6,600	8,400
	130	56.2	187.6	4,600	6,600	8,400		140	53.0	180.2	3,900	5,700	7,400
	140	53.0	180.2	3,900	5,700	7,400		150	49.6	172.0	3,300	5,000	6,300*
	150	49.6	172.0	3,300	4,300	5,400*		160	46.1	162.6			
	160	46.1	162.6		3,700	4,600*							
	170	42.3	152.0		3,700	4,600*							
	180	38.2	139.8		3,200	3,800*							
	190	33.7	125.5		3,200	3,200*							

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

JIB. NO. 130 WITH 12' STRUT ON  
BOOM NO. 46

35,000 LB. COUNTERWEIGHT

22'4" CRAWLERS EXTENDED

360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

WITH X-SPANDER

60 FOOT JIB, 15 DEGREE OFFSET

BOOM LGTH. FEET	JIB OPER. RAD. FEET	JIB BOOM ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS	BOOM LGTH. FEET	JIB OPER. RAD. FEET	JIB BOOM ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS
70	40	81.0	130.8	15,000*			120	50	80.2	179.6	14,300*		
	45	78.6	129.3	15,000*				55	78.6	178.2	14,200*		
	50	76.3	127.5	14,800*				60	76.9	176.7	14,000*		
	55	73.9	125.5	14,500*				65	75.2	175.0	13,800*		
	60	71.5	123.2	14,200*				70	73.5	173.1	13,600*		
	65	69.1	120.7	13,700*	13,700*	13,700*		80	70.1	168.8	12,700	13,300*	13,300*
	70	66.5	117.9	12,800*	12,800*	12,800*		90	66.5	163.7	10,600	12,800*	12,800*
	80	61.3	111.4	11,300*	11,300*	11,300*		100	62.8	157.9	9,000	11,600	11,700*
	90	55.7	103.4	10,100*	10,100*	10,100*		110	59.0	151.1	7,700	10,100	10,800*
	100	49.5	93.6	9,200*	9,200*	9,200*		120	54.9	143.2	6,600	8,800	10,000*
80	110	42.5	81.3	8,400*	8,400*	8,400*		130	50.6	134.1	5,700	7,700	9,300*
	120	34.0	64.8	7,600	7,800*	7,800*		140	46.0	123.5	5,000	6,800	8,400
	45	79.5	139.7	15,000*				150	40.8	110.8	4,300	6,000	7,500
	50	77.3	138.1	14,800*				160	34.9	95.3	3,700	5,300	6,700
	55	75.2	136.2	14,500*				50	80.8	189.9	14,100*		
	60	73.0	134.1	14,300*				55	79.2	188.6	13,900*		
	65	70.7	131.8	14,000*	14,300*	14,300*		60	77.6	187.1	13,800*		
	70	68.4	129.3	13,500*	13,500*	13,500*		65	76.1	185.5	13,600*		
	80	63.7	123.4	12,000*	12,000*	12,000*		70	74.5	183.7	13,500*		
	90	58.6	116.3	10,700*	10,700*	10,700*		80	71.2	179.7	12,500	13,200*	
90	100	53.3	107.7	9,700*	9,700*	9,700*		90	67.9	175.0	10,500	12,900*	
	110	47.4	97.3	8,500	8,900*	8,900*		100	64.4	169.5	8,800	11,500	12,200*
	120	40.6	84.3	7,400	8,300*	8,300*		110	60.9	163.2	7,500	9,900	11,200*
	130	32.5	67.0	6,500	7,700*	7,700*		120	57.1	156.0	6,500	8,600	10,400*
	45	80.2	150.1	15,000*				130	53.2	147.7	5,600	7,500	9,300
	50	78.2	148.5	14,800*				140	49.1	138.2	4,800	6,600	8,200
	55	76.2	146.8	14,500*				150	44.5	127.1	4,100	5,800	7,300
	60	74.2	144.9	14,300*				160	39.6	113.9	3,500	5,100	6,500*
	65	72.1	142.8	14,000*				170	33.8	97.8	3,000	4,500	5,700*
	70	70.0	140.5	13,800*	13,800*	13,800*		55	79.8	198.9	13,300*		
100	80	65.6	135.1	12,500*	12,500*	12,500*		60	78.3	197.5	13,300*		
	90	61.1	128.7	11,200	11,300*	11,300*		65	76.8	196.0	13,300*		
	100	56.3	121.0	9,600*	10,300*	10,300*		70	75.3	194.3	13,300*		
	110	51.1	111.9	8,300	9,400*	9,400*		80	72.2	190.5	12,300	13,000*	
	120	45.5	100.9	7,200	8,700*	8,700*		90	69.1	186.1	10,300	12,800*	
	130	39.0	87.2	6,300	8,100*	8,100*		100	65.8	181.0	8,600	11,300	12,100*
	140	31.1	69.1	5,600	7,400	7,600*		110	62.5	175.1	7,300	9,700	11,500*
	45	80.8	160.4	14,900*				120	59.1	168.4	6,200	8,400	10,300
	50	79.0	159.0	14,700*				130	55.5	160.8	5,300	7,300	9,100
	55	77.1	157.4	14,500*				140	51.7	152.1	4,600	6,400	8,000
110	60	75.2	155.6	14,200*				150	47.6	142.1	3,900	5,600	7,100
	65	73.3	153.6	14,000*				160	43.2	130.6	3,300	4,900	6,200*
	70	71.3	151.5	13,800*	13,800*	13,800*		170	38.4	116.9		4,300	5,300*
	80	67.3	146.5	13,000	13,100*	13,100*		180	32.8	100.3		3,700	4,600*
	90	63.2	140.6	11,000	11,800*	11,800*		55	80.3	209.2	12,200*		
	100	58.8	133.7	9,400	10,800*	10,800*		60	78.9	207.9	12,200*		
	110	54.2	125.5	8,100	9,900*	9,900*		65	77.4	206.5	12,200*		
	120	49.2	115.9	7,000	9,200*	9,200*		70	76.0	204.9	12,100*		
	130	43.8	104.3	6,100	8,100	8,500*		80	73.1	201.3	12,100*		
	140	37.5	90.0	5,400	7,200	8,000*		90	70.1	197.1	10,100	12,100*	
110	50	79.7	169.3	14,500*				100	67.1	192.3	8,500	11,100	11,700*
	55	77.9	167.8	14,300*				110	64.0	186.8	7,200	9,500	11,200*
	60	76.1	166.2	14,100*				120	60.8	180.5	6,100	8,200	10,200
	65	74.3	164.3	13,900*				130	57.4	173.5	5,200	7,200	8,900
	70	72.5	162.3	13,700*				140	53.9	165.5	4,400	6,200	7,900
	80	68.8	157.7	12,800	13,400*	13,400*		150	50.2	156.4	3,700	5,400	6,900
	90	65.0	152.3	10,800	12,300*	12,300*		160	46.3	146.0	3,100	4,700	6,000*
	100	61.0	145.9	9,200	11,300*	11,300*		170	42.0	134.0		4,100	5,100*
	110	56.8	138.5	7,900	10,300	10,400*		180	37.3	119.9		3,600	4,400*
	120	52.3	129.9	6,800	9,000	9,600*		190	31.9	102.8		3,100	3,700*
110	130	47.5	119.7	5,900	7,900	8,900*							
	140	42.2	107.6	5,100	7,000	8,400*							
	150	36.2	92.7	4,500	6,200	7,700							

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

JIB. NO. 130 WITH 12' STRUT ON

BOOM NO. 46

35,000 LB. COUNTERWEIGHT

224" CRAWLERS EXTENDED

360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

WITH X-SPANDER

60 FOOT JIB, 15 DEGREE OFFSET

BOOM LGTH. FEET	JIB OPER. RAD. FEET	BOOM ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS	BOOM LGTH. FEET	JIB OPER. RAD. FEET	BOOM ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS
160	55	80.7	219.5	11,100*			170	60	79.9	228.5	10,100*		
	60	79.4	218.2	11,100*				65	78.6	227.2	10,100*		
	65	78.0	216.9	11,100*				70	77.3	225.8	10,000*		
	70	76.7	215.3	11,100*				80	74.6	222.5	9,900*		
	80	73.9	211.9	11,000*				90	72.0	218.8	9,700		
	90	71.1	208.0	9,900	11,000*	11,000*		100	69.3	214.4	8,100	9,800*	9,800*
	100	68.2	203.4	8,300	10,900*	10,900*		110	66.5	209.5	6,800	9,100	9,700*
	110	65.3	198.2	7,000	9,400	10,800*		120	63.6	204.0	5,700	7,800	9,600*
	120	62.3	192.4	5,900	8,100	10,000		130	60.7	197.8	4,800	6,800	8,500*
	130	59.2	185.8	5,000	7,000	8,700		140	57.7	190.9	4,000	5,800	7,400*
140	55.9	178.3	4,200		6,000	7,700	150	150	54.5	183.1	3,300	5,000	6,400*
	150	52.5	170.0	3,500	5,200	6,700*		160	51.2	174.4		4,300	5,400*
	160	48.9	160.5	3,000	4,500	5,700*		170	47.7	164.5		3,700	4,500*
	170	45.1	149.7		3,900	4,900*		180	44.0	153.4		3,200	3,800*
	180	40.9	137.3		3,400	4,100*		190	39.9	140.6			3,100*
	190	36.3	122.8			3,400*							

SALE & RENTAL

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

JIB. NO. 130 WITH 12' STRUT ON  
BOOM NO. 46

35,000 LB. COUNTERWEIGHT  
22'4" CRAWLERS EXTENDED  
360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

M-65W

WITH X-SPANDER

60 FOOT JIB, 30 DEGREE OFFSET

BOOM LGTH. FEET	JIB OPER. RAD. FEET	BOOM ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS	BOOM LGTH. FEET	JIB OPER. RAD. FEET	BOOM ANG. DEG.	JIB POINT ELEV. FEET	X-SPANDER RETRACTED CAPACITY POUNDS	X-SPANDER EXTENDED 7'8" CAPACITY POUNDS	X-SPANDER EXTENDED 15' CAPACITY POUNDS
70	55	80.0	121.9	10,600*			130	65	80.1	181.2	9,400*		
	60	77.5	119.6	10,000*				70	78.5	179.3	9,300*		
	65	74.9	117.0	9,500*				80	75.1	175.2	9,100*	9,100*	
	70	72.3	114.1	9,000*				90	71.7	170.4	8,900*	8,900*	
	80	66.9	107.3	8,200*	8,200*	8,200*		100	68.2	164.7	8,400*	8,400*	
	90	61.0	99.0	7,500*	7,500*	7,500*		110	64.5	158.2	7,900*	7,900*	
	100	54.5	88.7	7,000*	7,000*	7,000*		120	60.6	150.8	6,800	7,500*	
	110	47.0	75.5	6,600*	6,600*	6,600*		130	56.6	142.2	5,800	7,200*	
80	55	80.7	132.5	9,100*				140	52.2	132.2	5,000	6,800	6,900*
	60	78.5	130.4	8,900*				150	47.5	120.5	4,300	6,000	6,600*
	65	76.1	128.0	8,700*				65	80.6	191.6	9,000*		
	70	73.8	125.4	8,500*				70	79.1	189.9	8,900*		
	80	68.9	119.3	8,200*	8,200*	8,200*		80	75.9	186.0	8,700*	8,700*	
	90	63.7	111.9	7,800*	7,800*	7,800*		90	72.7	181.4	8,600*	8,600*	
	100	58.0	102.9	7,300*	7,300*	7,300*		100	69.4	176.2	8,400*	8,400*	
	110	51.8	91.9	6,800*	6,800*	6,800*		110	66.0	170.1	7,700	8,100*	
90	60	79.3	141.0	9,300*				120	62.4	163.2	6,600	7,700*	
	65	77.2	138.8	9,100*				130	58.7	155.3	5,600	7,300*	
	70	75.0	136.4	8,900*				140	54.8	146.3	4,800	6,600	7,000*
	80	70.5	130.9	8,600*	8,600*	8,600*		150	50.5	135.9	4,100	5,800	6,800*
	90	65.8	124.2	8,100*	8,100*	8,100*		160	45.9	123.7	3,500	5,100	5,500*
	100	60.8	116.3	7,500*	7,500*	7,500*		70	79.6	200.3	8,500*		
	110	55.4	106.7	7,100*	7,100*	7,100*		80	76.7	196.7	8,400*	8,400*	
	120	49.4	95.0	6,700*	6,700*	6,700*		90	73.6	192.4	8,200*	8,200*	
100	60	80.0	151.5	9,800*				100	70.5	187.4	8,100*	8,100*	
	65	78.1	149.5	9,600*				110	67.3	181.8	7,500	8,000*	
	70	76.1	147.3	9,500*				120	64.0	175.3	6,500	7,900*	
	80	71.9	142.2	9,000*	9,000*	9,000*		130	60.6	168.1	5,500	7,500*	
	90	67.7	136.1	8,300*	8,300*	8,300*		140	56.9	159.8	4,700	6,500	7,200*
	100	63.1	128.9	7,800*	7,800*	7,800*		150	53.1	150.3	4,000	5,700	6,900*
	110	58.3	120.5	7,300*	7,300*	7,300*		160	49.0	139.5	3,300	4,900	6,300*
	120	53.1	110.3	6,900*	6,900*	6,900*		70	80.1	210.8	8,200*		
110	130	47.3	98.0	6,300	6,300	6,300		80	77.3	207.3	8,000*	8,000*	
	60	80.7	162.0	10,200*				90	74.5	203.2	7,900*	7,900*	
	65	78.8	160.1	10,100*				100	71.5	198.5	7,800*	7,800*	
	70	77.0	158.1	9,900*				110	68.5	193.2	7,500	7,700*	
	80	73.2	153.3	9,200*	9,200*	9,200*		120	65.4	187.2	6,300	7,600*	
	90	69.2	147.7	8,500*	8,500*	8,500*		130	62.2	180.4	5,300	7,300*	
	100	65.1	141.2	8,000*	8,000*	8,000*		140	58.8	172.8	4,500	6,400	7,300*
	110	60.7	133.5	7,500*	7,500*	7,500*		150	55.3	164.1	3,800	5,500	7,000*
120	120	56.1	124.5	7,100	7,100	7,100*		160	51.6	154.2	3,200	4,800	6,100*
	130	51.0	113.8	6,100	6,100	6,800*		170	47.6	143.0	4,100	4,100	5,100*
	140	45.4	101.0	5,300	5,300	6,500*		70	80.6	221.2	7,900*		
	150	79.5	170.7	9,900*				80	77.9	217.8	7,800*	7,800*	
	160	77.8	168.7	9,800*				90	75.2	214.0	7,700*	7,700*	
	170	74.2	164.3	9,400*	9,400*	9,400*		100	72.4	209.6	7,600*	7,600*	
	180	70.5	159.1	8,700*	8,700*	8,700*		110	69.6	204.5	7,300	7,500*	
	190	66.7	153.1	8,200*	8,200*	8,200*		120	66.7	198.9	6,100	7,400*	
130	200	62.7	146.1	7,700*	7,700*	7,700*		130	63.6	192.5	5,200	7,100	7,300*
	210	58.5	137.9	6,900	7,300*	7,300*		140	60.5	185.3	4,300	6,200	7,300*
	220	54.1	128.4	6,000	7,000*	7,000*		150	57.3	177.3	3,600	5,300	6,800*
	230	49.2	117.2	5,200	6,700*	6,700*		160	53.8	168.3	3,000	4,600	5,800*
	240	45.4	101.0	5,300	6,500*	6,500*		170	50.2	158.1		3,900	4,900*
	250	41.6	91.0	4,500*	5,700*	5,700*		180	46.3	146.4		3,300	4,000*
	260	37.8	81.0	3,700*	4,900*	4,900*		270	34.0	136.0		3,000	3,700*
	280	34.0	71.0	3,000*	4,200*	4,200*		290	30.2	126.0		2,700	3,400*
140	290	30.2	61.0	2,300*	3,500*	3,500*		300	27.4	116.0		2,400	3,100*
	310	26.4	51.0	1,600*	2,800*	2,800*		320	23.6	106.0		2,100	2,800*
	330	23.6	41.0	1,000*	2,200*	2,200*		340	20.8	96.0		1,800	2,500*
	350	20.8	31.0	600*	1,800*	1,800*		360	18.0	86.0		1,500	2,200*
	370	18.0	21.0	400*	1,400*	1,400*		380	15.2	76.0		1,200	1,900*
	390	15.2	11.0	200*	1,000*	1,000*		400	12.4	66.0		900	1,600*
	410	12.4	1.0	100*	600*	600*		420	9.6	56.0		600	1,300*
	430	9.6	-	-	-	-		440	6.8	46.0		300	1,000*

APR 16 '91 09:12AM CARLISLE DISPATCH

MAN HOWAC 3400 100 TON CRAWLER

P.1

## SEE CONDITIONS ON REVERSE SIDE

	Boom Agt. Dip.	Boom Point Elev.	Capacity:	Boom Lift: Feet	Oper. Rad.: Feet	Boom Ang: Deg.	Boom Point Elev.	Capacity:	Boom Lift: Feet	Oper. Rad.: Feet	Boom Ang: Deg.	Boom Point Elev.	Capacity:	Boom Agt. Dip.	Boom Point Elev.	Capacity:
22	80.4	115.1	117,200	28	80.6	154.7	80,800	32	80.9	184.4	65,700	36	81.1	214.1	64,500	
24	79.3	114.8	102,700	30	79.9	153.3	73,100	34	80.3	184.1	60,200	38	80.6	213.8	60,400	
26	78.3	114.4	91,200	32	79.1	153.9	65,600	36	79.5	193.7	55,500	40	80.0	213.5	45,800	
28	77.2	113.9	82,000	34	78.3	153.5	61,100	38	79.0	183.3	51,300	45	78.6	212.3	39,400	
30	76.1	113.4	74,300	36	77.5	152.1	56,400	40	78.2	192.9	47,700	50	77.2	211.3	38,700	
32	75.1	112.9	67,900	38	76.8	152.7	52,300	45	76.7	181.8	40,300	55	75.8	210.3	29,200	
34	74.0	112.4	62,400	40	76.6	152.2	48,500	50	75.1	179.5	34,600	60	74.4	203.3	25,500	
36	72.9	111.8	57,700	45	74.9	150.8	41,300	58	73.4	179.2	30,100	65	73.0	203.5	22,500	
38	71.8	111.1	52,500	50	72.6	150.3	35,500	60	71.7	173.5	26,100	70	71.6	203.9	19,300	
40	70.7	110.5	49,900	55	70.6	147.6	31,100	68	70.1	176.9	23,500	75	70.1	204.2	17,800	
42	69.4	108.6	42,700	60	67.9	145.7	27,500	70	68.4	174.0	20,500	80	67.2	203.1	15,100	
50	68.1	106.4	36,900	70	65.4	143.5	24,400	75	64.9	171.9	18,300	85	63.2	203.2	14,100	
58	66.2	103.9	32,400	75	63.4	141.2	21,300	80	62.9	169.6	14,300	90	61.2	193.3	12,200	
60	65.9	102.1	30,800	80	61.4	138.8	19,200	85	61.3	167.2	11,800	95	60.7	193.2	11,600	
68	64.1	97.9	28,100	85	59.4	135.8	17,200	90	61.3	164.6	13,500	100	62.7	193.2	10,400	
70	52.9	97.4	25,000	90	57.1	132.7	15,100	95	60.3	161.7	11,800	105	61.1	190.6	9,400	
75	49.0	90.4	21,100	95	56.8	129.3	14,200	100	59.7	158.7	11,100	110	59.5	187.7	8,500	
80	45.0	85.8	19,500	100	56.5	126.3	13,600	105	58.7	158.4	10,400	115	58.0	184.7	7,700	
85	42.1	82.3	17,100	105	56.0	123.3	12,400	110	55.8	154.9	8,300	120	56.3	181.5	6,500	
90	38.1	79.3	14,300	110	54.1	117.2	11,400	115	51.0	148.1	8,700	120	54.7	178.0	6,200	
95	34.0	75.5	11,600	115	51.4	112.1	10,500	120	47.7	141.0	7,300	130	47.4	140.6	7,000	
100	29.1	71.7	9,600	120	50.1	106.3	9,500	125	45.4	139.8	6,000	135	43.1	138.9	4,400	
104	23.1	69.4	8,300	125	46.0	101.6	8,200	130	41.1	139.7	6,000	140	40.7	124.1	5,400	
127	80.2	123.2	31,500	130	32.5	95.0	7,600	145	39.7	119.1	4,900	150	38.0	119.0	4,000	
128	79.1	124.6	30,900	135	28.9	92.0	7,000	155	38.9	118.1	4,900	160	37.4	118.0	4,000	
129	78.3	124.3	29,900	140	24.6	92.1	6,500	165	29.3	106.8	3,200	170	43.9	152.2	3,600	
130	77.3	124.3	25,300	145	19.5	95.8	6,000	175	30.5	124.5	72,500	180	29.5	124.4	72,500	
131	75.3	123.3	67,500	145	19.6	124.5	72,500	185	29.5	124.2	60,000	190	29.5	124.1	55,200	
132	74.3	121.2	62,000	145	19.7	124.7	60,300	195	29.5	123.0	51,100	200	29.5	122.9	51,100	
133	72.1	119.2	57,100	145	19.8	125.3	56,200	205	29.5	122.9	47,500	210	29.5	122.8	47,500	
134	71.1	117.2	52,000	145	19.9	126.3	52,000	215	29.5	122.8	40,100	220	29.5	122.7	37,700	
135	70.1	115.2	49,000	145	20.0	127.3	48,400	225	29.5	122.7	30,000	230	29.5	122.6	29,400	
136	69.1	113.2	46,200	145	20.1	128.3	41,000	235	29.5	122.6	24,900	240	29.5	122.5	24,900	
137	68.1	111.2	35,800	145	20.2	129.3	38,300	245	29.5	122.5	20,300	250	29.5	122.4	20,300	
138	67.1	109.2	30,900	145	20.3	130.3	30,300	255	29.5	122.4	16,200	260	29.5	122.3	16,200	
139	66.1	107.2	25,000	145	20.4	131.3	14,500	270	29.5	122.3	10,200	280	29.5	122.2	10,200	
140	65.1	105.2	14,600	145	20.5	132.3	12,200	290	29.5	122.2	7,200	310	29.5	122.1	7,200	
141	64.1	103.2	11,600	145	20.6	133.3	11,600	320	29.5	122.1	5,200	350	29.5	122.0	5,200	
142	63.1	101.2	9,600	145	20.7	134.3	11,200	360	29.5	122.0	4,200	400	29.5	121.9	4,200	
143	62.1	99.2	8,000	145	20.8	135.3	10,200	400	29.5	121.9	3,200	450	29.5	121.8	3,200	
144	61.1	97.2	7,000	145	20.9	136.3	9,200	450	29.5	121.8	2,200	500	29.5	121.7	2,200	
145	60.1	95.2	6,000	145	21.0	137.3	8,200	500	29.5	121.7	1,200	550	29.5	121.6	1,200	
146	59.1	93.2	5,000	145	21.1	138.3	7,200	550	29.5	121.6	1,200	600	29.5	121.5	1,200	
147	58.1	91.2	4,000	145	21.2	139.3	6,200	600	29.5	121.5	1,200	650	29.5	121.4	1,200	
148	57.1	89.2	3,000	145	21.3	140.3	5,200	650	29.5	121.4	1,200	700	29.5	121.3	1,200	
149	56.1	87.2	2,000	145	21.4	141.3	4,200	700	29.5	121.3	1,200	750	29.5	121.2	1,200	
150	55.1	85.2	1,000	145	21.5	142.3	3,200	750	29.5	121.2	1,200	800	29.5	121.1	1,200	
151	54.1	83.2	0,000	145	21.6	143.3	2,200	800	29.5	121.1	1,200	850	29.5	121.0	1,200	
152	53.1	81.2	0,000	145	21.7	144.3	1,200	850	29.5	121.0	1,200	900	29.5	120.9	1,200	
153	52.1	79.2	0,000	145	21.8	145.3	0,000	900	29.5	120.9	1,200	950	29.5	120.8	1,200	
154	51.1	77.2	0,000	145	21.9	146.3	0,000	950	29.5	120.8	1,200	1000	29.5	120.7	1,200	
155	50.1	75.2	0,000	145	22.0	147.3	0,000	1000	29.5	120.7	1,200	1050	29.5	120.6	1,200	
156	49.1	73.2	0,000	145	22.1	148.3	0,000	1050	29.5	120.6	1,200	1100	29.5	120.5	1,200	
157	48.1	71.2	0,000	145	22.2	149.3	0,000	1100	29.5	120.5	1,200	1150	29.5	120.4	1,200	
158	47.1	69.2	0,000	145	22.3	150.3	0,000	1150	29.5	120.4	1,200	1200	29.5	120.3	1,200	
159	46.1	67.2	0,000	145	22.4	151.3	0,000	1200	29.5	120.3	1,200	1250	29.5	120.2	1,200	
160	45.1	65.2	0,000	145	22.5	152.3	0,000	1250	29.5	120.2	1,200	1300	29.5	120.1	1,200	
161	44.1	63.2	0,000	145	22.6	153.3	0,000	1300	29.5	120.1	1,200	1350	29.5	120.0	1,200	
162	43.1	61.2	0,000	145	22.7	154.3	0,000	1350	29.5	120.0	1,200	1400	29.5	119.9	1,200	
163	42.1	59.2	0,000	145	22.8	155.3	0,000	1400	29.5	119.9	1,200	1450	29.5	119.8	1,200	
164	41.1	57.2	0,000	145	22.9	156.3	0,000	1450	29.5	119.8	1,200	1500	29.5	119.7	1,200	
165	40.1	55.2	0,000	145	23.0	157.3	0,000	1500	29.5	119.7	1,200	1550	29.5	119.6	1,200	
166	39.1	53.2	0,000	145	23.1	158.3	0,000	1550	29.5	119.6	1,200	1600	29.5	119.5	1,200	
167	38.1	51.2	0,000	145	23.2	159.3	0,000	1600	29.5	119.5	1,200	1650	29.5	119.4	1,200	
168	37.1	49.2	0,000	145	23.3	160.3	0,000	1650	29.5	119.4	1,200	1700	29.5	119.3	1,200	
169	36.1	47.2	0,000	145	23.4	161.3	0,000	1700	29.5	119.3	1,200	1750	29.5	119.2	1,200	
170	35.1	45.2	0,000	145	23.5	162.3	0,000	1750	29.5	119.2	1,200	1800	29.5	119.1	1,200	
171	34.1	43.2	0,000	145	23.6	163.3	0,000	1800	29.5	119.1	1,200	1850	29.5	119.0	1,200	
1																

150 TON P&H TRACK CRANE

**PCSA CLASS 17-855**

1 rated crane loads in pounds — main boom (80" w. x 75 d.) in.

OPER. RAD. FT.	ANGLE PT.EL.	60 FT. BOOM		70 FT. BOOM		ANGLE PT.EL.	80 FT. BOOM		ANGLE PT.EL.	90 FT. BOOM		ANGLE PT.EL.	100 FT. BOOM		ANGLE PT.EL.	110 FT. BOOM		ANGLE PT.EL.	120 FT. BOOM	
		BOOM LBS.	RATING LBS.	BOOM LBS.	RATING LBS.		BOOM LBS.	RATING LBS.												
17	78	68.5	300000																	
20	75	65.9	248500	78	76.1	238500	79	86.3	223000											
25	70	64.4	167200	73	74.9	167100	75	85.2	148800	77	95.5	149300	78	105.7	149200					
30	65	62.4	128500	49	72.1	128300	72	83.8	128200	74	94.3	127900	76	104.6	127800	77	114.9	127500	79	
35	60	59.8	102900	85	71.1	103700	68	83.0	102400	70	92.7	103300	73	103.2	102300	74	113.6	101900	76	
40	54	56.6	85300	60	68.5	85300	44	77.8	85100	67	80.8	84800	69	101.5	84700	71	112.1	84400	73	
45	48	52.5	73000	55	65.3	72800	60	77.1	72600	64	88.5	72300	66	99.5	72200	67	110.3	71900	71	
50	41	47.3	62500	50	61.1	62200	58	74.0	62000	60	85.8	62700	63	97.2	62600	66	108.2	62300	68	
60	23	30.7	50000	38	50.9	49800	46	65.8	49800	52	79.1	49300	57	91.4	49200	60	102.1	48900	63	
70				71	37.6	40700	35	34.1	40500	44	70.0	40200	49	83.8	40100	54	78.6	39800	57	
80							19	34.3	34000	33	57.1	33700	41	73.8	33600	47	88.2	33300	51	
90										30	35.9	28700	31	60.0	28700	39	77.4	28300	45	
100													19	40.5	25300	31	64.4	25000	38	
110															18	42.1	21800	30	67.1	
120																	17	43.7	19000	
130																				
140																				
150																				
160																				
170																				
180																				
190																				
200																				
210																				
220	JIB LENGTH	20 FT.	30 FT.	40 FT.	50 FT.	60 FT.														
	DEDUCT-LBS.	1,500	1,500	1,2,000	2,500	3,000														

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2 rated crane loads in pounds — main boom (80" w. x 75" d.) in.

OPER. RAD. FT.	ANGLE PT.EL.	60 FT. BOOM LBS.	70 FT. BOOM LBS.	80 FT. BOOM LBS.	90 FT. BOOM LBS.	100 FT. BOOM LBS.	110 FT. BOOM LBS.	120 FT. BOOM LBS.	130 FT. BOOM LBS.	140 FT. BOOM LBS.
17	78	220000								
20	75	170300	78	170100	79	170000				
25	70	123100	73	122800	75	122700	77	122400	78	122200
30	65	95800	69	95600	72	95400	74	95100	76	95000
35	60	78200	65	77900	68	77700	70	77400	73	77300
40	54	65700	60	65400	64	65300	67	64900	69	64800
45	48	58500	55	56200	60	56000	64	55700	66	55600
50	41	49500	50	49200	56	49000	60	48700	63	48600
60	23	39200	38	38900	46	38700	52	38400	57	38300
70				21	31900	35	31700	44	31300	54
80					22	27100	34	26800	42	26700
90						20	22800	33	22700	40
100							19	19800	31	19200
110								18	16700	30
120									17	14400
130										28
140										14000
150										13500
160										12200
170										10700
180										
190										

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