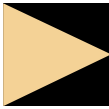




model 777



product guide

features

- 181 mton (200 ton) capacity
- 307 mton-m (2,224 kips) Maximum Load Moment
- 82,3 m (270') Heavy-Lift Boom
- 91,4 m (300') Fixed Jib on Heavy-Lift Boom
- 106,7 m (350') Luffing Jib on Heavy-Lift Boom
- 125,0 m (410') Fixed Jib on Luffing Jib on Heavy-Lift Boom
- 253 kW (340 HP) engine standard
- EPIC® controls
- 135 m/min (442 fpm) line speed standard
- 205 m/min (674 fpm) line speed optional
- 131 kN (29,500 lb) line pull standard
- 196 kN (44,000 lb) line pull optional
- 13 380 kg (29,500 lb) Clamshell capacity
- 9 072 kg (20,000 lb) Dragline capacity
- Hydraulic-cylinder Boom Hoist for maximum performance with minimum maintenance
- Fast, efficient self-assembly
- Complete crane, maximum boom, fixed jib and counterweights ship on only 8 trucks
- Manitowoc CraneCARE®

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Range / Load Charts

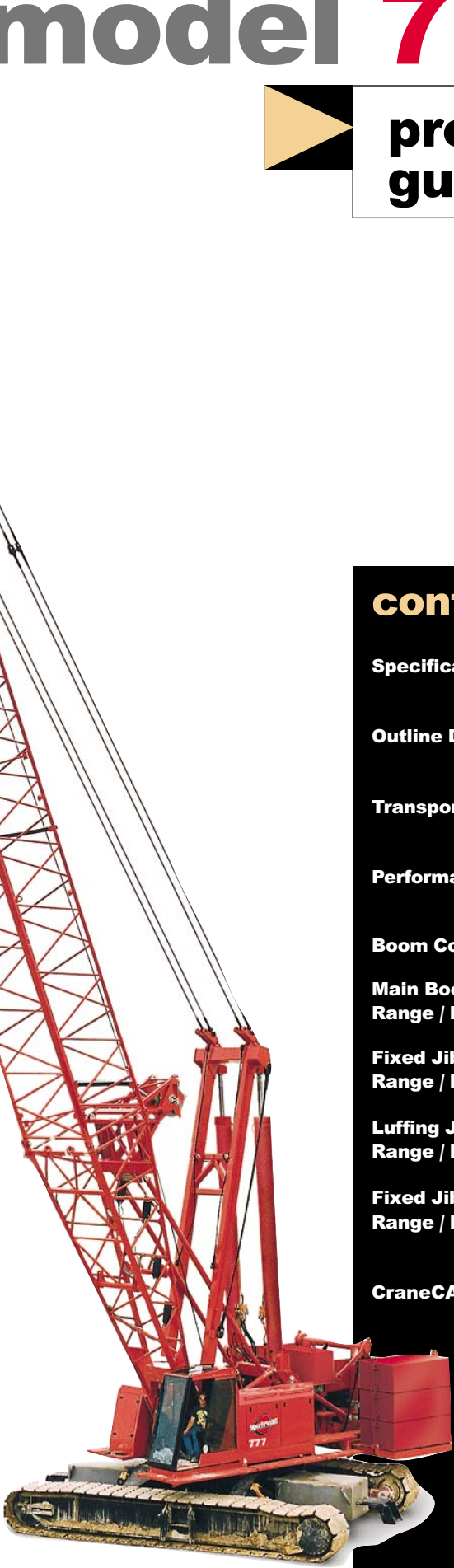
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Fixed Jib on Luffing Jib
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CraneCARESM

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Clamshell	5						



specifications

Upperworks

Engine

Cummins Model QSC8.3 – C340 diesel, 6 cylinder, 253 kW (340 BHP) @ 2100 governed RPM.

Optional: Caterpillar Model C-9 diesel, 6 cylinder, 253 kW (340 BHP) @ 2100 governed RPM.

Includes engine block heater (120 V), ether starting aid, manually operated disconnect clutch for cold weather starting, high silencing muffler, hydraulic oil cooler, radiator and fan.

Multiple hydraulic pump drive transmission provides independent power for all machine functions.

Two 12 volt maintenance-free, Group 8D batteries, 1400 CCA at -18°C (0° F), 24 volt starting and 120 amp alternator.

One 469 l (124 gal) capacity diesel fuel tank, mounted on rear of upperworks, with level indicator in operator’s cab.

Controls

Modulating electronic-over-hydraulic controls provide infinite speed response directly proportional to control lever movement. Controls include Manitowoc’s exclusive EPIC® *Electronically Processed Independent Control* system providing microprocessor driven control logic, pump control, on-board diagnostics, and service information.

Block-up limit control is standard for hoist and auxiliary lines.

Integrated Load Moment Indicator system (LMI) is standard for main boom. “Function cut-out” or “warning only” operation is selected via a keyed switch on the LMI console. Includes travel and swing alarms.

- Optional: Upper boom point assembly with LMI.
- Optional: Anemometer (wind indicator).
- Optional: Foot controls for travel.

Hydraulic System

Six high-pressure piston pumps are driven through a multi-hydraulic pump transmission. These six pumps provide independent “closed loop” hydraulic power for front drum, rear drum, boom hoist system, swing system, and both left and right crawler operation.

System	kg/cm2 (psi)	lpm (gpm)
Front Drum	422 (6,000)	300 (79)
Rear Drum	422 (6,000)	300 (79)
Boom Hoist	422 (6,000)	300 (79)
Swing System	386 (5,500)	225 (59)
Left Crawler	422 (6,000)	225 (59)
Right Crawler	422 (6,000)	225 (59)
Auxiliary Pump*	422 (6,000)	390 (102)

*Optional pump powers auxiliary drum on liftcrane.

Hydraulic reservoir capacity is 469 l (124 gal) and is equipped with breather, dipstick, clean out access, and internal diffuser.

Each function is equipped with relief valves to protect the hydraulic circuit from overload or shock.

Replaceable, spin on ten micron (absolute) full flow line filter is furnished in the hydraulic circuit. All oil is filtered prior to return to the hydraulic reservoir.

Hydraulic system also includes pump transmission disconnect clutch & hydraulic oil cooler.

Drums

Two equal width winches 770 mm (30-1/8”) wide and 495 mm (19-1/2”) diameter are driven by independent variable displacement axial piston hydraulic motors through planetary reduction mounted on separate front and rear shafts with anti-friction bearings.

Powered hoisting/lowering operation is standard with automatic (spring applied, hydraulically released) multi-disc brakes, and drum rotation indicators.

- Optional: Free-fall operation for front and/or rear drum(s). External contracting band brake mounted on drum manually applied by foot pedal with locking latch in operator’s cab. Operator may select free-fall or powered lowering mode using a selector switch.
- Optional: High line speed drum 205m/min (674 fpm) can be ordered in place of standard front or rear drum.
- Optional: High line pull drum 195 kN (44,000 lb) can be ordered in place of standard front or rear drum.
- Optional: Auxiliary (third) hydraulic powered drum rated at 89,0 kN (20,000 lb) line pull mounted in boom butt. Includes third drum control system.
- Optional: Auxiliary drum preparation includes electric wiring, controls, hydraulic pump and plumbing.
- Optional: Bolt-on liftcrane/clamshell laggings.
- Optional: Wire rope for various applications.



specifications

4

Mast

Moving mast is 7,9 m (26') long and connects the boom hoist cylinders to the boom-support pendants.

Spring cushioned boom stop and automatic boom stop standard.

Boom Hoist

Independent boom hoist is provided by two double-acting hydraulic cylinders connected to the mast. Boom hoist provides full range of boom angles from horizontal to 88 degrees, with or without load.

Boom hoist speed: raise 82,3 m (270') full main boom from 0° - 82° in 1 minute, 40 seconds.

Swing System

High strength fabricated steel rotating bed is mounted on 2,15 m (84-1/2") diameter turntable single-row ball bearing.

Independent swing powered by a fixed displacement hydraulic motor coupled to a planetary gearbox with internal brake. 360° positive swing lock.

Swing system maximum speed: 2.7 rpm.

Counterweight

QTY.	ITEM	UNIT WEIGHT		TOTAL WEIGHT	
		kg	lb	kg	lb
1	Series 1 Tray	15 876	35,000	15 876	35,000
4	Upper Side Box	7 938	17,500	31 752	70,000
SERIES 1 TOTAL				47 628	105,000
2	Series 2 Upper Side Box	7 938	17,500	15 876	35,000
2	Upper Side Plate	454	1,000	908	2,000
2	Carbody Box	9 979	22,000	19 958	44,000
SERIES 2 SUB-TOTAL				36 742	81,000
Optional: Add to SERIES 1 for SERIES 2 TOTAL				84 370	186,000

Includes connecting pins, brackets, and stops.

Operator's Cab

Fully enclosed and insulated steel module located at the left front corner of rotating bed. Module is equipped with sliding door, large safety glass windows on all sides and roof. Signal horn, cab space heater, front and roof windshield wipers, dome light, sun visor and shade, fire extinguisher and air circulating fan are standard.

- Optional: Air conditioner.
- Optional: Nylon protective window covers.

Attachments

No. 78 Heavy-Lift Main Boom

The liftcrane is equipped with a 18,3 m (60') No. 78 basic heavy-lift angle chord boom consisting of a 6,9 m (22' 6") butt and 11,4 m (37' 6") top with six 76,2 cm (30") diameter roller bearing sheaves on one shaft. Includes rope guides, and boom angle indicator. The No. 78 boom utilizes pendant rigging Manitowoc's patented, exclusive FACT™ connection system. The FACT connection system consists of two vertical pins, two horizontal connection pins and alignment pads for each boom connection location.

Luffing jib preparation included as standard.

- Optional: 3,05 m (10'), 6,1 m (20'), and 12,2 m (40') No. 78 boom inserts with pendant rigging and FACT™ connection system.
- Optional: No. 78 detachable upper boom point with one 76,2 cm (30") diameter tapered roller bearing steel sheave grooved for 1-1/8" rope with rope guard for liftcrane.

No. 134 Fixed Jib

- Optional: No. 134 basic fixed jib 9,1 m (30') length consisting of 4,6 m (15') jib butt and 4,6 m (15') jib top with 3,7 m (12') jib strut, pendants and backstay. Includes LMI hardware.
- Optional: No. 134 fixed jib inserts 3,05 m (10') and 6,1 m (20') with pendants.

Utilize fixed jib inserts in combination with the No. 134 basic fixed jib for total lengths up to 24,4 m (80').

Note: Jib lengths greater than 18,3 m (60') require the use of at least one 6,1 m (20') No. 134 fixed jib insert.

No. 138 Fixed Jib

- Optional: No. 138 basic fixed jib 9,1 m (30') length consisting of 4,6 m (15') jib butt and 4,6 m (15') jib top with 5,4 m (17' 9-7/16") jib strut, pendants and backstay. For use with No. 139 Luffing Jib.



specifications

- Optional: No. 138 fixed jib inserts 3,0 m (10') and 6,1 m (20') with pendants.

Utilize fixed jib inserts in combination with the No. 138 basic fixed jib for total lengths up to 18,3 m (60').

No. 139 Luffing Jib

- Optional: 21,3 m (70') basic No. 139 luffing jib assembly with LMI hardware consisting of 8,2 m (27') butt, 6,1 m (20') insert and 7,0 m (23') top with two 68,6 cm (27") straight roller bearing sheaves, pin connected jib sections, pendant rigging, fixed strut, jib strut, backstay straps, jib point wheel, 26 mm or (1") luffing jib hoist line, and 54 cm (21-1/4") grooved lagging for rear luffing drum.
- Optional: 3,05 m (10'), 6,1 m (20'), and 12,2 m (40') No. 139 inserts with steel boom suspension straps.

Lowerworks

Carbody

Connects rotating bed to crawler assemblies. High strength fabricated steel assembly with FACT™ connection system for fast installation and removal of crawler assemblies.

Crawlers

- Crawler assemblies are 7,55 m (24' 9-1/4") long with 97 cm (38") wide cast steel crawler pads and sealed "low maintenance" intermediate rollers. Each crawler is powered independently by a variable displacement hydraulic motor and includes two hydraulically powered pin actuators for fast installation and removal from carbody. Carbody mounted drive motors are connected to crawler final reduction via telescoping shafts. This permits crawlers to be removed without opening their hydraulic circuits. Crawlers provide ample tractive effort that allows counter rotation with full rated load. Maximum ground speed of 1,7 kph (1.05 mph).
- Optional: Self-Erect system includes: carbody jacking cylinders with pads, controls, 41 mton (45 ton) assembly block, boom-butt installation support, and crawler handling chains.
 - Optional: 122 cm (48") wide-cast steel crawler pads.

Optional Equipment

- Optional: Blocks and Hooks, each with 762 mm (30") roller-bearing sheaves for 26 mm or (1") wire rope, a roller-bearing swivel hook, a hook latch, and a swivel lock.
- 13,6 mton (15 ton) swivel hook and weight ball.
- 41,0 mton (45 ton) hook block with one 76,2 cm (30") sheave (assembly block).
- 54,4 mton (60 ton) hook block with two 76,2 cm (30") sheaves.
- 90,7 mton (100 ton) hook block with three 76,2 cm (30") sheaves .
- 160 mton (175 ton) hook block with six 76,2 cm (30") sheaves.
- Optional: Wire rope for various applications.
- Optional: Equipment and testing for special code compliance.
- Optional: Hydraulic Test Kit: required to properly analyze the performance of the EPIC® control system.
- Optional: Service Interval Kits: for the regularly scheduled maintenance of general crane operations.
- Optional: Lighting Packages: consult dealer for available options.
- Optional: Special paint colors other than Manitowoc standard red and black.
- Optional: Custom vinyl decals of customer name and/or logo from artwork supplied by customer.
- Optional: Export Packaging: basic crane, boom and jib sections.

Optional Application

- Optional: For limited clamshell work: guide bars for lower boom point; Rud-O-Matic® No. 1866 spring-powered three-barrel tagline with 76,2 cm (36") diameter wheel; and pressure rollers for the front and rear hoisting drums. Front drum is closing line. Rear drum is holding line. Manitowoc's EPIC® controls can be changed from liftcrane to clamshell mode with the flip of a switch.

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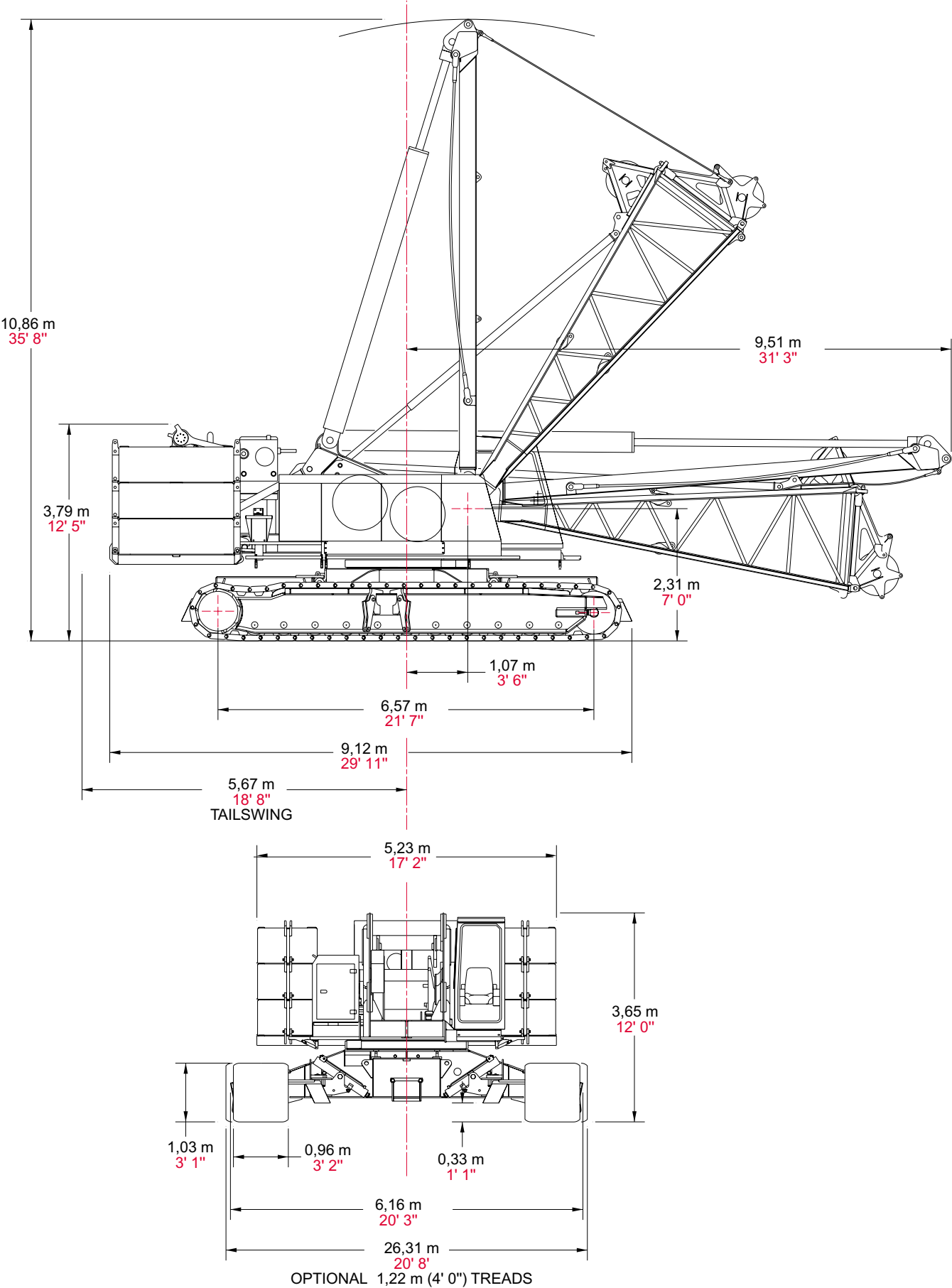
model 777





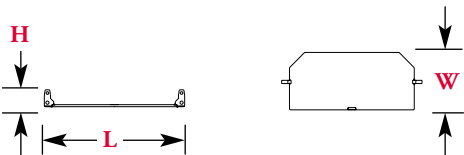
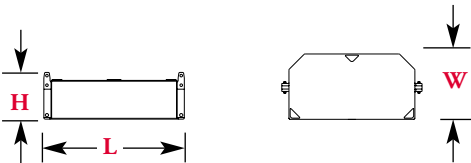
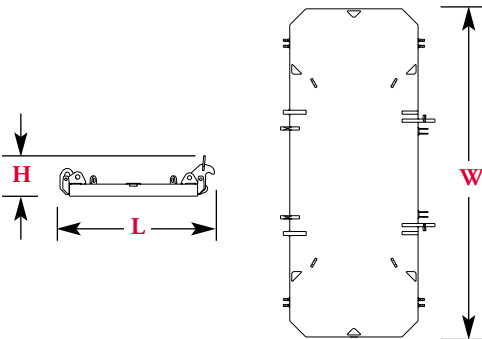
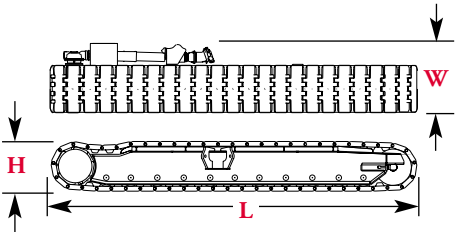
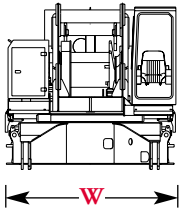
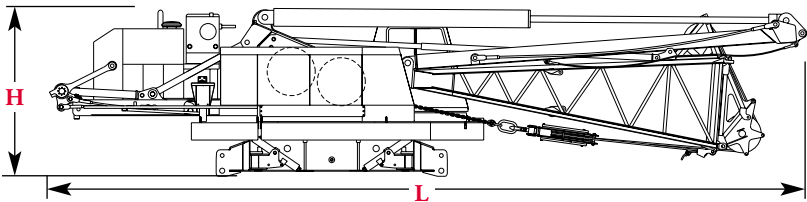
outline dimensions

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outline dimensions



Upperworks Module x 1		
Length	15,17 m	49' 9"
Width	3,42 m	11' 1"
Height	3,36 m	11' 0"
Weight	39 065 kg	86,125 lb

Note: Weight includes carbody, upperworks, two full power drums with maximum length hoist and whip lines, diesel powerplant, operator's cab, boom hoist cylinders, mast, boom butt with integral wire rope guide, optional self assembly jacks, full hydraulic fluid reservoir, and half tank of fuel.

Crawlers x 2		
Length	7,56 m	24' 10"
Width	1,47 m	4' 10"
Height	1,04 m	3' 5"
Weight	15 320 kg	33,775 lb

Note: 970 mm (38") wide pad, 12 795 kg (28,210 lb) weight crawlers available.

Counterweight Tray x 1		
Length	2,44 m	8' 0"
Width	6,99 m	17' 1"
Height	0,64 m	2' 1"
Weight	15 876 kg	35,000 lb

Side Counterweight		
Series 1	x 4	
Series 2	x 6	
Length	2,24 m	7' 4"
Width	1,07 m	3' 6"
Height	0,69 m	2' 3"
Weight	7 938 kg	17,500 lb

Side Counterweight Plate		
Series 2	x 2	
Length	2,24 m	7' 4"
Width	0,90 m	3' 0"
Height	0,28 m	0' 11"
Weight	454 kg	1,000 lb

Option

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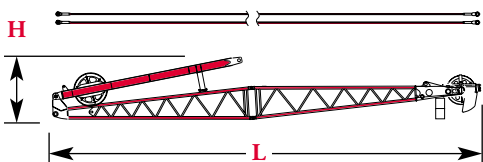
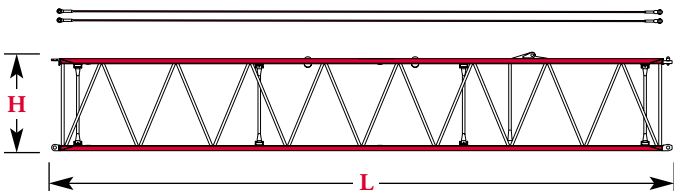
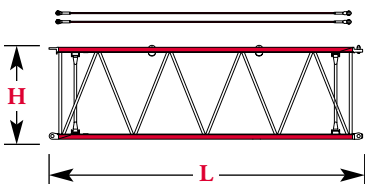
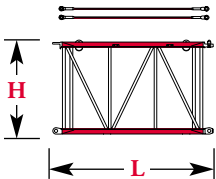
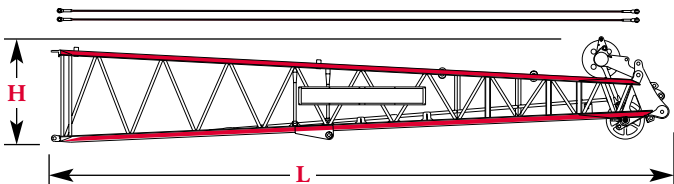
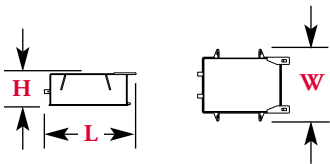
model 777





outline dimensions

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Carbody Center Series 2 x 2		
Length	1,90 m	6' 3"
Width	1,57 m	5' 2"
Height	0,72 m	2' 4"
Weight	9 979 kg	22,000 lb

No. 78 Boom Top 11,4 m (37' 6") & Wire Rope Guides, Pendants, Lower Point x 1		
Length	12,38 m	40' 8"
Width	2,24 m	7' 4"
Height	2,04 m	6' 11"
Weight	3 567 kg	7,865 lb

No. 78 Boom Insert 3,0 m (10') & Pendants x 1, 2		
Length	3,20 m	10' 6"
Width	2,24 m	7' 4"
Height	1,89 m	6' 3"
Weight	722 kg	1,595 lb

No. 78 Boom Insert 6,1 m (20') & Pendants x 1, 2		
Length	6,25 m	20' 6"
Width	2,24 m	7' 4"
Height	1,89 m	6' 3"
Weight	1 129 kg	2,495 lb

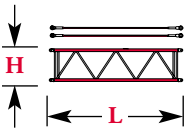
No. 78 Boom Insert 12,3 m (40') & Pendants x 1, 2, 3, 4		
Length	12,34 m	40' 6"
Width	2,24 m	7' 4"
Height	1,89 m	6' 3"
Weight	1 994 kg	4,290 lb

No. 134 Fixed Jib 9,1 m (30') & Strut, Pendants x 1		
Length	9,60 m	31' 6"
Width	0,86 m	2' 10"
Height	1,29 m	4' 3"
Weight	1 188 kg	2,620 lb

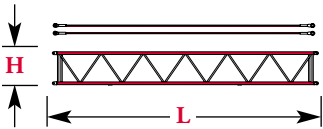
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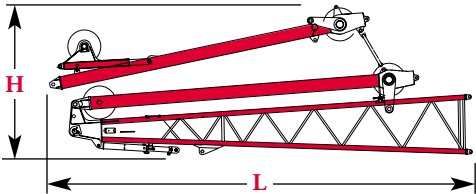
outline dimensions



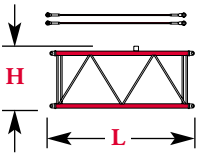
No. 134 Jib Insert 3,0 m (10') & Pendants			x 1, 2, 3
Length	3,12 m	10' 3"	
Width	0,78 m	2' 7"	
Height	0,78 m	2' 7"	
Weight	213 kg	480 lb	



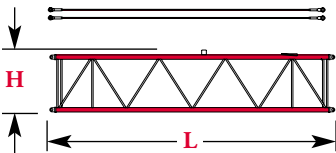
No. 134 Jib Insert 6,1 m (20') & Pendants			x 1, 2
Length	6,16 m	20' 3"	
Width	0,78 m	2' 7"	
Height	0,78 m	2' 7"	
Weight	339 kg	750 lb	



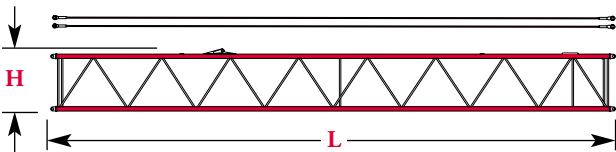
No. 139 Luffing Jib 4,6 m (27') Butt & Main Strut, Jib Strut, Guides, Pendants			x 1
Length	8,78 m	28' 10"	
Width	1,51 m	5' 0"	
Height	3,14 m	10' 3"	
Weight	5 056 kg	10,460 lb	



No. 139 Jib Insert 3,0 m (10') & Pendants			x 1
Length	3,15 m	10' 4"	
Width	1,51 m	5' 0"	
Height	1,34 m	4' 5"	
Weight	379 kg	840 lb	



No. 139 Jib Insert 6,1 m (20') & Pendants			x 1, 2
Length	6,20 m	20' 4"	
Width	1,51 m	5' 0"	
Height	1,34 m	4' 5"	
Weight	610 kg	1,350 lb	



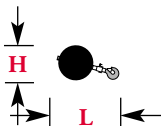
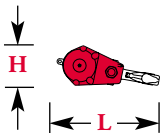
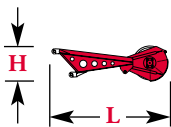
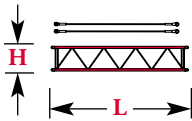
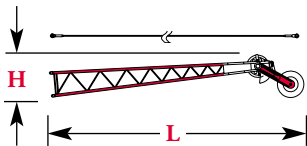
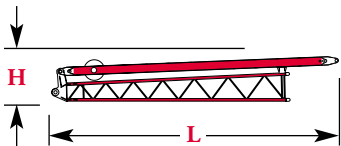
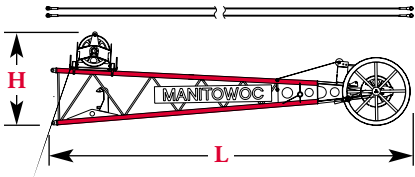
No. 139 Jib Insert 12,3 m (40') & Pendants			x 1, 2, 3
Length	12,40 m	40' 4"	
Width	1,51 m	5' 0"	
Height	1,34 m	4' 5"	
Weight	1 048 kg	2,315 lb	

Option



outline dimensions

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No. 139 Jib Top 7,0 m (23') & Pendants x 1

Length	7,83 m	25' 8"
Width	1,51 m	5' 0"
Height	2,06 m	6' 9"
Weight	2 226 kg	4,915 lb



No. 138 Fixed Jib 4,6 m (15') Butt & Strut x 1

Length	5,64 m	18' 6"
Width	0,75 m	2' 6"
Height	0,91 m	3' 0"
Weight	350 kg	775 lb



No. 138 Fixed Jib 4,6 m (15') Top & Roller, Pendant x 1

Length	5,51 m	18' 1"
Width	0,76 m	2' 6"
Height	1,05 m	3' 5"
Weight	351 kg	773 lb



No. 138 Jib Insert 3,0 m (10') & Pendants x 1, 2, 3

Length	3,12 m	10' 3"
Width	0,76 m	2' 6"
Height	0,58 m	1' 11"
Weight	98 kg	215 lb



No. 78 Upper Boom Point x 1

Length	2,64 m	8' 8"
Width	0,41 m	1' 4"
Height	0,81 m	2' 8"
Weight	420 kg	925 lb

Hook block for 26 mm or (1") wire rope

Capacity	160 mt	175 t	Length	1,68 m	5' 6"
Weight	2 268 kg	5,000 lb	Width	1,29 m	4' 0"

Weight Ball

Capacity/Swivel	13,6 mt	15 t	Diameter	0,56 m	1' 10"
Weight	594 kg	1 310 lb	Length	1,07 m	3' 6"

Option

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Boom Capacities****Meets
ANSI B30.5
Requirements****777 SERIES 2****Boom No. 78****142,000 Lb. Crane Counterweight****44,000 Lb. Carbody Counterweight****360 Degree Rating**

LIFTING CAPACITIES: Lifting 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 29,500 Lbs. or 59,000 Lbs. with two part whip line. When boom butt mounted auxiliary drum is used, capacity with single part whip line is 20,000 Lbs. or 40,000 Lbs. with two part whip line. 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.

OPERATING CONDITIONS: Machine to operate in a level position on a firm uniformly supporting surface. Refer to boom rigging **No. 178288** and Wire Rope Specification chart **No. 7940-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. Refer to operators manual for operating guidelines.

MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface and boom within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 7957-A**.

OPERATING RADIUS: 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 butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

BOOM POINT ELEVATION: Boom point elevation is vertical distance from ground level to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 24 Ft. 9 in. crawlers, 38 in. or 48 in. treads, two 12 in. boom hoist cylinders, 26 Ft. mast, four 1-1/4 in. boom pendants, 142,000 Lb. crane counterweight and two 22,000 Lb. carbody counterweights.

**Deduct From Capacities
When Jib Is Attached**

Jib Length	Jib No. 134
30 Ft.	3,900 Lbs.
40 Ft.	4,700 Lbs.
50 Ft.	5,600 Lbs.
60 Ft.	6,600 Lbs.
70 Ft.	7,600 Lbs.
80 Ft.	8,700 Lbs.

Upper Boom Point Deduct

Deduct 1,000 Lbs. from boom capacities when upper boom point is attached.

Auxiliary Drum Deduct

Deduct 1,700 Lbs. from boom capacities when boom butt is equipped with auxiliary drum.

Multi-Part Rope Guard Deduct

Deduct 500 Lbs. from boom capacities when lower boom point is equipped with multi-part rope guard (No. A02744).

**Wire Rope Guide Deduct
(For Third Line)**

Deduct 500 Lbs. from boom capacities when boom top wire rope guide (No. 192312) for third line is attached.

Consult jib chart for jib capacities.

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Boom Capacities**Meets
ANSI B30.5
Requirements**777 SERIES 2****Boom No. 78****142,000 Lb. Crane Counterweight****44,000 Lb. Carbody Counterweight****360 Degree Rating**

Maximum Boom and Jib Lengths Lifted Unassisted					
Over Front of Blocked Crawlers		Over Rear of Blocked Crawlers		Over Side of Crawlers	
Boom Length	Jib No. 134	Boom Length	Jib No. 134	Boom Length	Jib No. 134
(a) 270 Ft.	—	(a) 260 Ft.	—	(b) 230 Ft.	—
(a) 260 Ft.	—	250 Ft.	—	220 Ft.	—
250 Ft.	—	240 Ft.	—	210 Ft.	50 Ft.
240 Ft.	30 Ft.	230 Ft.	50 Ft.	200 Ft.	70 Ft.
230 Ft.	50 Ft.	220 Ft.	70 Ft.	190 Ft.	80 Ft.
220 Ft.	80 Ft.	210 Ft.	80 Ft.		
Load block, hook and weight ball on ground at start. (a) Upper boom point, multi-part rope guard (No. A02744) and boom top wire rope guide (No. 192312) for third line cannot be used on 260 Ft. and 270 Ft. booms. Auxiliary drum in boom butt and wire rope guide in 10 Ft. insert cannot be used on 270 Ft. boom. (b) When multi-part rope guard (No. A02744) is attached to lower boom point, 230 Ft. boom cannot be lifted over side of crawlers.					

Upper boom point, multi-part rope guard (No. A02744) and boom top wire rope guide (No. 192312) for third line cannot be used when jib is attached.

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
25 Ft. BOOM¹			
11	82.1	32.1	400,000 *
60 Ft. BOOM			
13	82.4	66.8	352,800 *
14	81.4	66.7	337,800 *
15	80.5	66.5	316,700 *
16	79.5	66.3	298,000 *
17	78.5	66.1	281,300 *
18	77.5	65.8	266,300 *
19	76.5	65.6	252,800 *
20	75.6	65.3	240,600 *
22	73.6	64.7	219,200 *
24	71.5	64.0	201,200 *
26	69.5	63.2	185,800 *
28	67.4	62.4	172,500 *
30	65.3	61.4	160,900 *
32	63.2	60.4	147,500
34	61.0	59.3	135,000
36	58.7	58.0	124,400
38	56.4	56.7	115,100
40	54.1	55.2	107,100
45	47.8	50.9	90,800
50	40.7	45.5	78,400
55	32.4	38.4	68,600
60	21.2	27.8	60,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. BOOM			
14	82.7	76.8	309,900 *
15	81.8	76.6	303,000 *
16	81.0	76.5	294,100 *
17	80.2	76.3	281,300 *
18	79.3	76.1	266,300 *
19	78.5	75.9	252,800 *
20	77.7	75.6	240,600 *
22	76.0	75.1	219,200 *
24	74.3	74.5	201,200 *
26	72.6	73.9	185,700 *
28	70.8	73.2	172,500 *
30	69.1	72.4	160,900 *
32	67.3	71.5	148,100
34	65.5	70.6	135,600
36	63.6	69.6	124,900
38	61.8	68.5	115,600
40	59.9	67.3	107,600
45	54.9	64.0	91,300
50	49.7	59.9	78,900
55	43.9	55.0	69,100
60	37.5	48.9	61,300
65	29.9	41.0	54,700
70	19.5	29.5	49,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
15	82.9	86.8	275,500 *
16	82.1	86.6	267,600 *
17	81.4	86.4	259,900 *
18	80.7	86.3	252,900 *
19	80.0	86.1	246,200 *
20	79.2	85.9	239,900 *
22	77.8	85.4	219,000 *
24	76.3	84.9	201,000 *
26	74.8	84.4	185,600 *
28	73.3	83.8	172,300 *
30	71.8	83.1	160,700 *
32	70.3	82.3	148,500
34	68.7	81.6	135,900
36	67.2	80.7	125,200
38	65.6	79.8	115,900
40	64.0	78.8	107,800
45	59.9	76.0	91,500
50	55.6	72.7	79,100
55	51.1	68.8	69,300
60	46.2	64.2	61,500
65	40.9	58.8	55,000
70	34.9	52.1	49,500
75	27.8	43.5	44,900
80	18.2	31.0	40,800

¹ **Note:** Requires additional rigging components.



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Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
16	83.0	96.7	256,700 *
17	82.4	96.6	249,700 *
18	81.7	96.4	243,100 *
19	81.1	96.2	236,800 *
20	80.4	96.1	230,700 *
22	79.1	95.7	218,800 *
24	77.8	95.2	200,800 *
26	76.5	94.7	185,400 *
28	75.2	94.2	172,100 *
30	73.9	93.6	160,500 *
32	72.5	93.0	148,500
34	71.2	92.3	135,900
36	69.8	91.5	125,200
38	68.5	90.7	115,900
40	67.1	89.9	107,800
45	63.6	87.5	91,500
50	59.9	84.7	79,100
55	56.1	81.4	69,400
60	52.1	77.7	61,600
65	47.9	73.3	55,100
70	43.4	68.2	49,700
75	38.4	62.3	45,100
80	32.8	55.0	41,100
85	26.1	45.8	37,600
90	17.1	32.5	34,400
100 Ft. BOOM			
18	82.6	106.5	221,400 *
19	82.0	106.4	215,900 *
20	81.4	106.2	210,700 *
22	80.2	105.9	200,800 *
24	79.1	105.5	191,700 *
26	77.9	105.0	183,300 *
28	76.7	104.5	171,800 *
30	75.5	104.0	160,200 *
32	74.4	103.4	148,600
34	73.2	102.8	136,000
36	71.9	102.2	125,200
38	70.7	101.5	115,900
40	69.5	100.7	107,800
45	66.4	98.6	91,500
50	63.2	96.1	79,100
55	59.9	93.3	69,300
60	56.5	90.1	61,500
65	53.0	86.4	55,000
70	49.2	82.3	49,600
75	45.3	77.5	45,000
80	41.0	72.0	41,000
85	36.3	65.5	37,500
90	31.0	57.8	34,500
95	24.7	48.0	31,700
100	16.1	33.9	29,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
19	82.7	116.5	211,100 *
20	82.2	116.3	205,700 *
22	81.1	116.0	195,600 *
24	80.1	115.7	186,300 *
26	79.0	115.3	177,600 *
28	78.0	114.8	167,700 *
30	76.9	114.4	156,600 *
32	75.8	113.8	147,100 *
34	74.7	113.3	136,000
36	73.6	112.7	125,300
38	72.5	112.0	116,000
40	71.4	111.4	107,900
45	68.7	109.5	91,500
50	65.8	107.3	79,100
55	62.9	104.8	69,300
60	59.9	102.0	61,500
65	56.8	98.8	55,000
70	53.6	95.2	49,600
75	50.3	91.2	45,000
80	46.8	86.6	41,000
85	43.0	81.5	37,600
90	39.0	75.6	34,500
95	34.5	68.7	31,800
100	29.5	60.4	29,400
105	23.5	50.0	27,200
110	15.3	35.2	25,200
120 Ft. BOOM			
20	82.9	126.4	192,200 *
22	81.9	126.2	183,700 *
24	80.9	125.8	175,900 *
26	79.9	125.5	168,600 *
28	79.0	125.1	161,800 *
30	78.0	124.6	152,200 *
32	77.0	124.2	142,800 *
34	76.0	123.6	134,700 *
36	75.0	123.1	125,400
38	74.0	122.5	116,000
40	73.0	121.9	107,900
45	70.5	120.2	91,500
50	68.0	118.2	79,100
55	65.3	116.0	69,300
60	62.7	113.5	61,500
65	59.9	110.6	55,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
70	57.1	107.5	49,600
75	54.2	104.0	45,000
80	51.2	100.0	41,000
85	48.0	95.7	37,600
90	44.6	90.8	34,500
95	41.1	85.2	31,800
100	37.2	78.9	29,400
105	33.0	71.6	27,300
110	28.2	62.9	25,300
115	22.5	52.0	23,500
130 Ft. BOOM			
22	82.5	136.3	176,100 *
24	81.6	136.0	168,300 *
26	80.7	135.6	161,100 *
28	79.8	135.3	154,400 *
30	78.9	134.9	148,100 *
32	78.0	134.4	139,100 *
34	77.1	134.0	131,100 *
36	76.2	133.5	124,000 *
38	75.3	132.9	116,000
40	74.4	132.4	107,800
45	72.1	130.8	91,400
50	69.7	129.0	79,000
55	67.4	127.0	69,200
60	64.9	124.7	61,400
65	62.5	122.1	54,900
70	59.9	119.3	49,500
75	57.3	116.2	44,900
80	54.7	112.7	40,900
85	51.9	108.9	37,400
90	49.0	104.6	34,400
95	46.0	99.9	31,700
100	42.8	94.7	29,300
105	39.4	88.8	27,200
110	35.7	82.1	25,200
115	31.6	74.4	23,400
120	27.0	65.3	21,800
125	21.5	53.8	20,300



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Liftcrane Boom Capacities

Meets
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Requirements

777 SERIES 2

Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
24	82.2	146.1	157,900 *
26	81.4	145.8	151,800 *
28	80.6	145.4	146,000 *
30	79.7	145.1	140,600 *
32	78.9	144.7	135,400 *
34	78.1	144.2	127,500 *
36	77.2	143.8	120,500 *
38	76.4	143.3	114,300 *
40	75.5	142.7	107,700
45	73.4	141.3	91,300
50	71.3	139.6	78,800
55	69.1	137.8	69,000
60	66.8	135.7	61,100
65	64.6	133.4	54,600
70	62.3	130.8	49,200
75	59.9	128.0	44,600
80	57.5	124.8	40,600
85	55.0	121.4	37,200
90	52.5	117.7	34,100
95	49.8	113.6	31,400
100	47.1	109.0	29,000
105	44.2	104.0	26,900
110	41.1	98.5	25,000
115	37.9	92.3	23,200
120	34.3	85.2	21,600
125	30.4	77.2	20,100
130	26.0	67.6	18,700
135	20.7	55.6	17,400
150 Ft. BOOM			
24	82.8	156.2	152,500 *
26	82.0	155.9	146,300 *
28	81.2	155.6	140,500 *
30	80.4	155.2	135,000 *
32	79.7	154.9	129,900 *
34	78.9	154.5	124,200 *
36	78.1	154.0	117,300 *
38	77.3	153.6	111,300 *
40	76.5	153.1	105,800 *
45	74.5	151.7	91,100
50	72.5	150.2	78,600
55	70.5	148.5	68,800
60	68.5	146.5	60,900
65	66.4	144.4	54,400
70	64.3	142.0	49,000
75	62.1	139.5	44,400
80	59.9	136.6	40,400
85	57.7	133.5	37,000
90	55.4	130.1	33,900
95	53.0	126.4	31,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
100	50.6	122.4	28,800
105	48.0	118.0	26,700
110	45.4	113.2	24,800
115	42.6	107.9	23,000
120	39.7	102.1	21,400
125	36.5	95.6	19,900
130	33.1	88.2	18,600
135	29.4	79.8	17,300
140	25.1	69.8	16,100
145	20.0	57.4	15,000
160 Ft. BOOM			
26	82.5	166.0	139,000 *
28	81.8	165.7	133,400 *
30	81.0	165.4	128,100 *
32	80.3	165.0	123,100 *
34	79.6	164.7	118,400 *
36	78.8	164.3	114,000 *
38	78.1	163.8	108,500 *
40	77.4	163.4	103,200 *
45	75.5	162.1	91,000
50	73.7	160.7	78,500
55	71.8	159.1	68,700
60	69.9	157.3	60,800
65	68.0	155.3	54,300
70	66.0	153.1	48,900
75	64.0	150.7	44,200
80	62.0	148.1	40,300
85	59.9	145.3	36,800
90	57.8	142.2	33,800
95	55.7	138.8	31,100
100	53.5	135.2	28,700
105	51.2	131.3	26,500
110	48.8	127.0	24,600
115	46.4	122.3	22,800
120	43.8	117.3	21,200
125	41.2	111.7	19,800
130	38.3	105.6	18,400
135	35.3	98.7	17,200
140	32.0	91.1	16,000
145	28.4	82.3	14,900
150	24.3	71.9	13,900
155	19.3	59.1	12,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
26	82.9	176.1	133,600 *
28	82.2	175.8	128,200 *
30	81.6	175.5	123,000 *
32	80.9	175.2	118,100 *
34	80.2	174.8	113,400 *
36	79.5	174.5	109,100 *
38	78.8	174.0	105,000 *
40	78.1	173.6	100,500 *
45	76.4	172.4	89,400 *
50	74.7	171.1	78,300
55	72.9	169.6	68,500
60	71.1	167.9	60,600
65	69.3	166.1	54,100
70	67.5	164.0	48,600
75	65.7	161.8	44,000
80	63.8	159.4	40,000
85	61.9	156.8	36,600
90	59.9	153.9	33,500
95	58.0	150.9	30,800
100	55.9	147.5	28,400
105	53.9	144.0	26,300
110	51.7	140.1	24,400
115	49.5	135.9	22,600
120	47.3	131.4	21,000
125	44.9	126.5	19,500
130	42.5	121.2	18,200
135	39.9	115.3	16,900
140	37.1	108.9	15,800
145	34.2	101.8	14,700
150	31.0	93.8	13,700
155	27.5	84.7	12,800
160	23.5	74.0	11,900
165	18.7	60.7	11,000



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Liftcrane Boom Capacities

Meets
ANSI B30.5
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777 SERIES 2

Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
28	82.7	185.9	122,000 *
30	82.0	185.6	117,400 *
32	81.4	185.3	113,000 *
34	80.7	185.0	108,800 *
36	80.1	184.6	104,700 *
38	79.5	184.2	100,600 *
40	78.8	183.8	96,800 *
45	77.2	182.7	87,100 *
50	75.5	181.5	78,000
55	73.9	180.1	68,200
60	72.2	178.5	60,300
65	70.5	176.8	53,800
70	68.8	174.9	48,300
75	67.1	172.8	43,700
80	65.4	170.5	39,700
85	63.6	168.1	36,200
90	61.8	165.4	33,200
95	60.0	162.6	30,500
100	58.1	159.5	28,100
105	56.2	156.2	25,900
110	54.2	152.7	24,000
115	52.2	148.9	22,300
120	50.2	144.8	20,600
125	48.1	140.4	19,200
130	45.9	135.6	17,800
135	43.6	130.5	16,600
140	41.2	124.9	15,400
145	38.7	118.8	14,400
150	36.0	112.2	13,400
155	33.2	104.8	12,400
160	30.1	96.5	11,600
165	26.7	87.1	10,700
170	22.8	76.0	9,900
175	18.2	62.3	9,200
190 Ft. BOOM			
30	82.5	195.7	116,600 *
32	81.9	195.4	113,200 *
34	81.2	195.1	109,900 *
36	80.6	194.8	106,500 *
38	80.0	194.4	101,200 *
40	79.4	194.0	96,000 *
45	77.9	193.0	85,200 *
50	76.3	191.8	76,500 *
55	74.8	190.5	67,700
60	73.2	189.0	59,800
65	71.6	187.4	53,300
70	70.0	185.6	47,800
75	68.4	183.6	43,200
80	66.7	181.5	39,200
85	65.1	179.2	35,700
90	63.4	176.8	32,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
95	61.7	174.1	30,000
100	60.0	171.3	27,600
105	58.2	168.2	25,400
110	56.4	164.9	23,500
115	54.5	161.4	21,700
120	52.7	157.7	20,100
125	50.7	153.7	18,700
130	48.7	149.4	17,300
135	46.7	144.7	16,100
140	44.6	139.8	14,900
145	42.3	134.4	13,800
150	40.0	128.6	12,800
155	37.6	122.3	11,900
160	35.0	115.3	11,000
165	32.3	107.7	10,200
170	29.3	99.1	9,400
175	26.0	89.4	8,700
180	22.2	77.9	8,000
185	17.7	63.8	7,300
200 Ft. BOOM			
30	82.8	205.8	109,700 *
32	82.3	205.5	106,300 *
34	81.7	205.2	103,000 *
36	81.1	204.9	99,900 *
38	80.5	204.6	96,900 *
40	79.9	204.2	93,400 *
45	78.5	203.2	82,700 *
50	77.0	202.1	74,300 *
55	75.5	200.8	67,400 *
60	74.0	199.4	59,600
65	72.5	197.9	53,100
70	71.0	196.2	47,600
75	69.5	194.4	42,900
80	68.0	192.4	39,000
85	66.4	190.2	35,500
90	64.8	187.9	32,400
95	63.2	185.4	29,700
100	61.6	182.8	27,300
105	60.0	179.9	25,200
110	58.3	176.9	23,200
115	56.6	173.6	21,500
120	54.8	170.2	19,900
125	53.0	166.5	18,400
130	51.2	162.5	17,100
135	49.3	158.3	15,800
140	47.4	153.8	14,700
145	45.4	148.9	13,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
150	43.4	143.7	12,600
155	41.2	138.2	11,700
160	39.0	132.1	10,800
165	36.6	125.6	10,000
170	34.1	118.4	9,200
175	31.4	110.5	8,500
180	28.5	101.7	7,800
185	25.3	91.6	7,200
190	21.6	79.8	6,500
195	17.2	65.3	5,900
210 Ft. BOOM			
32	82.6	215.6	105,700 *
34	82.1	215.4	102,700 *
36	81.5	215.1	98,200 *
38	81.0	214.7	94,300 *
40	80.4	214.4	89,700 *
45	79.0	213.4	80,100 *
50	77.6	212.4	72,500 *
55	76.2	211.2	65,800 *
60	74.8	209.8	59,300
65	73.4	208.4	52,800
70	72.0	206.8	47,300
75	70.5	205.0	42,700
80	69.1	203.2	38,700
85	67.6	201.1	35,200
90	66.1	198.9	32,200
95	64.6	196.6	29,500
100	63.1	194.1	27,100
105	61.5	191.4	24,900
110	60.0	188.6	23,000
115	58.4	185.5	21,200
120	56.7	182.3	19,600
125	55.1	178.9	18,200
130	53.4	175.2	16,800
135	51.7	171.3	15,600
140	49.9	167.2	14,400
145	48.1	162.8	13,400
150	46.2	158.0	12,400
155	44.3	153.0	11,400
160	42.3	147.6	10,600
165	40.2	141.8	9,800
170	38.0	135.6	9,000
175	35.7	128.8	8,300
180	33.2	121.4	7,600
185	30.6	113.2	7,000
190	27.8	104.1	6,300
195	24.7	93.8	5,800
200	21.1	81.7	5,200
205	16.8	66.7	4,600



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Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
220 Ft. BOOM			
32	83.0	225.7	105,100 *
34	82.4	225.5	102,400 *
36	81.9	225.2	96,600 *
38	81.4	224.9	91,500 *
40	80.9	224.5	86,900 *
45	79.5	223.6	77,500 *
50	78.2	222.6	70,000 *
55	76.9	221.5	63,700 *
60	75.5	220.2	58,100 *
65	74.2	218.8	52,500
70	72.8	217.3	47,000
75	71.4	215.6	42,400
80	70.1	213.9	38,400
85	68.7	211.9	34,900
90	67.3	209.9	31,800
95	65.8	207.7	29,100
100	64.4	205.3	26,700
105	62.9	202.8	24,600
110	61.5	200.1	22,600
115	60.0	197.2	20,900
120	58.4	194.2	19,300
125	56.9	191.0	17,800
130	55.3	187.6	16,400
135	53.7	184.0	15,200
140	52.1	180.1	14,000
145	50.4	176.0	13,000
150	48.7	171.7	12,000
155	46.9	167.1	11,100
160	45.1	162.2	10,200
165	43.2	157.0	9,400
170	41.2	151.4	8,600
175	39.2	145.4	7,900
180	37.1	138.9	7,200
185	34.8	131.9	6,600
190	32.4	124.3	6,000
195	29.9	115.9	5,400
200	27.1	106.5	4,800
205	24.1	95.9	4,300
230 Ft. BOOM			
34	82.8	235.6	97,100 *
36	82.3	235.3	94,300 *
38	81.8	235.0	89,300 *
40	81.3	234.7	84,700 *
45	80.0	233.8	75,400 *
50	78.7	232.8	68,000 *
55	77.5	231.7	61,900 *
60	76.2	230.5	56,400 *
65	74.9	229.2	51,700 *
70	73.6	227.8	46,700
75	72.3	226.2	42,100
80	71.0	224.5	38,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
230 Ft. BOOM			
85	69.6	222.7	34,600
90	68.3	220.7	31,500
95	67.0	218.6	28,800
100	65.6	216.4	26,400
105	64.2	214.0	24,200
110	62.8	211.4	22,300
115	61.4	208.8	20,500
120	60.0	205.9	18,900
125	58.5	202.9	17,500
130	57.0	199.7	16,100
135	55.5	196.3	14,900
140	54.0	192.7	13,700
145	52.4	188.9	12,600
150	50.8	184.9	11,600
155	49.2	180.6	10,700
160	47.5	176.1	9,900
165	45.8	171.3	9,000
170	44.0	166.3	8,300
175	42.2	160.8	7,600
180	40.3	155.1	6,900
185	38.3	148.9	6,200
190	36.2	142.2	5,600
195	34.0	135.0	5,100
200	31.7	127.1	4,500
205	29.2	118.5	4,000
240 Ft. BOOM			
36	82.6	245.4	88,500 *
38	82.1	245.1	87,100 *
40	81.6	244.8	82,600 *
45	80.4	244.0	73,200 *
50	79.2	243.0	65,900 *
55	78.0	242.0	60,000 *
60	76.8	240.8	55,000 *
65	75.5	239.6	50,400 *
70	74.3	238.2	46,400 *
75	73.0	236.7	41,800
80	71.8	235.1	37,700
85	70.5	233.3	34,300
90	69.3	231.5	31,200
95	68.0	229.5	28,500
100	66.7	227.3	26,100
105	65.4	225.1	23,900
110	64.0	222.7	22,000
115	62.7	220.1	20,200
120	61.3	217.4	18,600
125	60.0	214.6	17,100
130	58.6	211.5	15,800
135	57.2	208.4	14,600
140	55.7	205.0	13,400
145	54.3	201.4	12,300
150	52.8	197.7	11,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
240 Ft. BOOM			
155	51.2	193.7	10,400
160	49.7	189.5	9,600
165	48.1	185.1	8,700
170	46.5	180.4	8,000
175	44.8	175.5	7,300
180	43.0	170.2	6,600
185	41.2	164.6	6,000
190	39.4	158.6	5,300
195	37.4	152.3	4,800
200	35.4	145.4	4,200
250 Ft. BOOM			
38	82.4	255.2	85,000 *
40	82.0	254.9	80,500 *
45	80.8	254.1	71,200 *
50	79.6	253.2	64,000 *
55	78.5	252.2	58,100 *
60	77.3	251.1	53,300 *
65	76.1	249.9	48,800 *
70	74.9	248.6	44,900 *
75	73.7	247.1	41,400
80	72.5	245.6	37,400
85	71.3	243.9	33,900
90	70.1	242.1	30,900
95	68.9	240.2	28,200
100	67.7	238.2	25,800
105	66.4	236.1	23,600
110	65.1	233.8	21,700
115	63.9	231.3	19,900
120	62.6	228.8	18,300
125	61.3	226.1	16,800
130	60.0	223.2	15,500
135	58.6	220.2	14,200
140	57.3	217.0	13,100
145	55.9	213.7	12,000
150	54.5	210.2	11,000
155	53.1	206.5	10,100
160	51.6	202.5	9,200
165	50.1	198.4	8,400
170	48.6	194.1	7,600
175	47.0	189.5	6,900
180	45.5	184.6	6,200
185	43.8	179.5	5,600
190	42.1	174.1	5,000
195	40.4	168.3	4,400



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Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
260 Ft. BOOM			
40	82.3	265.0	77,200 *
45	81.2	264.3	68,800 *
50	80.0	263.4	61,600 *
55	78.9	262.4	55,900 *
60	77.8	261.4	51,100 *
65	76.7	260.2	47,100 *
70	75.5	258.9	43,300 *
75	74.4	257.6	39,900 *
80	73.2	256.1	36,900 *
85	72.1	254.5	33,600
90	70.9	252.8	30,500
95	69.7	251.0	27,800
100	68.6	249.0	25,400
105	67.4	247.0	23,200
110	66.2	244.8	21,300
115	65.0	242.5	19,500
120	63.7	240.0	17,900
125	62.5	237.4	16,400
130	61.2	234.7	15,100
135	60.0	231.9	13,800
140	58.7	228.9	12,700
145	57.4	225.7	11,600
150	56.1	222.4	10,600
155	54.7	218.9	9,700
160	53.3	215.2	8,800
165	51.9	211.3	8,000
170	50.5	207.3	7,200
175	49.1	203.0	6,500
180	47.6	198.5	5,800 *
185	46.1	193.8	5,100 *
190	44.5	188.7	4,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
270 Ft. BOOM			
45	81.5	274.4	66,700 *
50	80.4	273.5	59,600 *
55	79.3	272.6	54,000 *
60	78.3	271.6	49,300 *
65	77.2	270.5	45,300 *
70	76.1	269.3	41,800 *
75	75.0	267.9	38,500 *
80	73.9	266.5	35,500 *
85	72.8	265.0	33,000 *
90	71.7	263.4	30,100
95	70.5	261.6	27,400
100	69.4	259.8	25,000
105	68.3	257.8	22,800
110	67.1	255.7	20,900
115	65.9	253.5	19,100
120	64.8	251.2	17,500
125	63.6	248.7	16,000
130	62.4	246.1	14,700
135	61.2	243.4	13,400
140	60.0	240.5	12,300
145	58.7	237.5	11,200
150	57.5	234.4	10,200
155	56.2	231.1	9,300
160	54.9	227.6	8,400
165	53.6	224.0	7,600
170	52.3	220.1	6,700 *
175	50.9	216.1	5,900 *
180	49.5	211.9	5,200 *
185	48.1	207.5	4,400 *

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Boom Capacities**Meets
ANSI B30.5
Requirements**777 SERIES 2****Boom No. 78****142,000 Lb. Crane Counterweight****44,000 Lb. Carbody Counterweight****Rating Over Front of Blocked Crawlers****No Travel - Limited Swing**

LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 75% of a static tipping load over front of machine with crawlers blocked. Capacities based on structural competence are denoted by an asterisk (*).

Upper boom point capacity for liftcrane service with single part whip line is 29,500 Lbs. or 59,000 Lbs. with two part whip line. When boom butt mounted auxiliary drum is used, capacity with single part whip line is 20,000 Lbs. or 40,000 Lbs. with two part whip line. 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.

OPERATING CONDITIONS: Machine to operate in a level position on a firm uniformly supporting surface with front tumbler properly blocked so that centerline of idler tumbler becomes tipping fulcrum. Drive motors must be to rear of machine. Swing is limited to that sector shown on Operating

Range Diagram **No. 7958-A**. Refer to boom rigging **No. 178288** and Wire Rope Specification chart **No. 7940-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering. wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

OPERATING RADIUS: 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 butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

BOOM POINT ELEVATION: Boom point elevation is vertical distance from ground level to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 24 Ft. 9 in. crawlers, 38 in. or 48 in. treads, two 12 in. boom hoist cylinders, 26 Ft. mast, four 1-1/4 in. boom pendants, 142,000 Lb. crane counterweight and two 22,000 Lb. carbody counterweights.

**Deduct From Capacities
When Jib Is Attached**

Jib Length	Jib No. 134
30 Ft.	3,900 Lbs.
40 Ft.	4,700 Lbs.
50 Ft.	5,600 Lbs.
60 Ft.	6,600 Lbs.
70 Ft.	7,600 Lbs.
80 Ft.	8,700 Lbs.

Upper Boom Point Deduct

Deduct 1,000 Lbs. from boom capacities when upper boom point is attached.

Auxiliary Drum Deduct

Deduct 1,700 Lbs. from boom capacities when boom butt is equipped with auxiliary drum.

Multi-Part Rope Guard Deduct

Deduct 500 Lbs. from boom capacities when lower boom point is equipped with multi-part rope guard (No. A02744).

**Wire Rope Guide Deduct
(For Third Line)**

Deduct 500 Lbs. from boom capacities when boom top wire rope guide (No. 192312) for third line is attached.

Consult jib chart for jib capacities.

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Boom Capacities**Meets
ANSI B30.5
Requirements**777 SERIES 2****Boom No. 78****142,000 Lb. Crane Counterweight****44,000 Lb. Carbody Counterweight****Rating Over Front of Blocked Crawlers****No Travel - Limited Swing**

Maximum Boom and Jib Lengths Lifted Unassisted Over Front of Blocked Crawlers	
Boom Length	Jib No. 134
(a) 270 Ft.	—
(a) 260 Ft.	—
250 Ft.	—
240 Ft.	30 Ft.
230 Ft.	50 Ft.
220 Ft.	80 Ft.
Load block, hook and weight ball on ground at start. (a) Upper boom point, multi-part rope guard (No. A02744) and boom top wire rope guide (No. 192312) for third line cannot be used on 260 Ft. and 270 Ft. booms. Auxiliary drum in boom butt and wire rope guide in 10 Ft. insert cannot be used on 270 Ft. boom.	

Upper boom point, multi-part rope guard (No. A02744) and boom top wire rope guide (No. 192312) for third line cannot be used when jib is attached.

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
25 Ft. BOOM¹			
11	82.1	32.1	400,000 *
60 Ft. BOOM			
13	82.4	66.8	352,800 *
14	81.4	66.7	337,800 *
15	80.5	66.5	316,700 *
16	79.5	66.3	298,000 *
17	78.5	66.1	281,300 *
18	77.5	65.8	266,300 *
19	76.5	65.6	252,800 *
20	75.6	65.3	240,600 *
22	73.6	64.7	219,200 *
24	71.5	64.0	201,200 *
26	69.5	63.2	185,800 *
28	67.4	62.4	172,500 *
30	65.3	61.4	160,900 *
32	63.2	60.4	150,600 *
34	61.0	59.3	141,500 *
36	58.7	58.0	133,100 *
38	56.4	56.7	125,200 *
40	54.1	55.2	118,200 *
45	47.8	50.9	103,400 *
50	40.7	45.5	91,600 *
55	32.4	38.4	82,000 *
60	21.2	27.8	73,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. BOOM			
14	82.7	76.8	309,900 *
15	81.8	76.6	303,000 *
16	81.0	76.5	294,100 *
17	80.2	76.3	281,300 *
18	79.3	76.1	266,300 *
19	78.5	75.9	252,800 *
20	77.7	75.6	240,600 *
22	76.0	75.1	219,200 *
24	74.3	74.5	201,200 *
26	72.6	73.9	185,700 *
28	70.8	73.2	172,500 *
30	69.1	72.4	160,900 *
32	67.3	71.5	150,700 *
34	65.5	70.6	141,600 *
36	63.6	69.6	133,200 *
38	61.8	68.5	125,400 *
40	59.9	67.3	118,400 *
45	54.9	64.0	103,600 *
50	49.7	59.9	91,900 *
55	43.9	55.0	82,300 *
60	37.5	48.9	74,300 *
65	29.9	41.0	67,000
70	19.5	29.5	60,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
15	82.9	86.8	275,500 *
16	82.1	86.6	267,600 *
17	81.4	86.4	259,900 *
18	80.7	86.3	252,900 *
19	80.0	86.1	246,200 *
20	79.2	85.9	239,900 *
22	77.8	85.4	219,000 *
24	76.3	84.9	201,000 *
26	74.8	84.4	185,600 *
28	73.3	83.8	172,300 *
30	71.8	83.1	160,700 *
32	70.3	82.3	150,500 *
34	68.7	81.6	141,400 *
36	67.2	80.7	133,100 *
38	65.6	79.8	125,300 *
40	64.0	78.8	118,300 *
45	59.9	76.0	103,600 *
50	55.6	72.7	91,800 *
55	51.1	68.8	82,200 *
60	46.2	64.2	74,300 *
65	40.9	58.8	67,300
70	34.9	52.1	60,700
75	27.8	43.5	55,000
80	18.2	31.0	50,000

¹ Note: Requires additional rigging components.



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Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
Rating Over Front of Blocked Crawlers
No Travel - Limited Swing

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
16	83.0	96.7	256,700 *
17	82.4	96.6	249,700 *
18	81.7	96.4	243,100 *
19	81.1	96.2	236,800 *
20	80.4	96.1	230,700 *
22	79.1	95.7	218,800 *
24	77.8	95.2	200,800 *
26	76.5	94.7	185,400 *
28	75.2	94.2	172,100 *
30	73.9	93.6	160,500 *
32	72.5	93.0	150,300 *
34	71.2	92.3	141,200 *
36	69.8	91.5	133,000 *
38	68.5	90.7	125,200 *
40	67.1	89.9	118,200 *
45	63.6	87.5	103,500 *
50	59.9	84.7	91,800 *
55	56.1	81.4	82,200 *
60	52.1	77.7	74,000 *
65	47.9	73.3	67,000 *
70	43.4	68.2	60,800 *
75	38.4	62.3	55,200 *
80	32.8	55.0	50,400 *
85	26.1	45.8	46,100 *
90	17.1	32.5	42,400 *
100 Ft. BOOM			
18	82.6	106.5	221,400 *
19	82.0	106.4	215,900 *
20	81.4	106.2	210,700 *
22	80.2	105.9	200,800 *
24	79.1	105.5	191,700 *
26	77.9	105.0	183,300 *
28	76.7	104.5	171,800 *
30	75.5	104.0	160,200 *
32	74.4	103.4	150,000 *
34	73.2	102.8	140,900 *
36	71.9	102.2	132,800 *
38	70.7	101.5	125,000 *
40	69.5	100.7	118,000 *
45	66.4	98.6	103,200 *
50	63.2	96.1	90,900 *
55	59.9	93.3	80,800 *
60	56.5	90.1	72,600 *
65	53.0	86.4	65,600 *
70	49.2	82.3	59,700 *
75	45.3	77.5	54,700 *
80	41.0	72.0	50,300 *
85	36.3	65.5	46,100 *
90	31.0	57.8	42,500 *
95	24.7	48.0	39,200 *
100	16.1	33.9	36,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
19	82.7	116.5	211,100 *
20	82.2	116.3	205,700 *
22	81.1	116.0	195,600 *
24	80.1	115.7	186,300 *
26	79.0	115.3	177,600 *
28	78.0	114.8	167,700 *
30	76.9	114.4	156,600 *
32	75.8	113.8	147,100 *
34	74.7	113.3	138,700 *
36	73.6	112.7	131,300 *
38	72.5	112.0	124,700 *
40	71.4	111.4	117,600 *
45	68.7	109.5	101,800 *
50	65.8	107.3	89,500 *
55	62.9	104.8	79,500 *
60	59.9	102.0	71,300 *
65	56.8	98.8	64,500 *
70	53.6	95.2	58,700 *
75	50.3	91.2	53,700 *
80	46.8	86.6	49,300 *
85	43.0	81.5	45,500 *
90	39.0	75.6	42,100 *
95	34.5	68.7	39,100 *
100	29.5	60.4	36,400 *
105	23.5	50.0	33,800 *
110	15.3	35.2	31,200 *
120 Ft. BOOM			
20	82.9	126.4	192,200 *
22	81.9	126.2	183,700 *
24	80.9	125.8	175,900 *
26	79.9	125.5	168,600 *
28	79.0	125.1	161,800 *
30	78.0	124.6	152,200 *
32	77.0	124.2	142,800 *
34	76.0	123.6	134,700 *
36	75.0	123.1	127,400 *
38	74.0	122.5	121,000 *
40	73.0	121.9	115,200 *
45	70.5	120.2	101,000 *
50	68.0	118.2	88,600 *
55	65.3	116.0	78,700 *
60	62.7	113.5	70,600 *
65	59.9	110.6	63,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
70	57.1	107.5	58,000 *
75	54.2	104.0	53,000 *
80	51.2	100.0	48,700 *
85	48.0	95.7	44,900 *
90	44.6	90.8	41,500 *
95	41.1	85.2	38,500 *
100	37.2	78.9	35,800 *
105	33.0	71.6	33,400 *
110	28.2	62.9	31,200 *
115	22.5	52.0	29,200 *
130 Ft. BOOM			
22	82.5	136.3	176,100 *
24	81.6	136.0	168,300 *
26	80.7	135.6	161,100 *
28	79.8	135.3	154,400 *
30	78.9	134.9	148,100 *
32	78.0	134.4	139,100 *
34	77.1	134.0	131,100 *
36	76.2	133.5	124,000 *
38	75.3	132.9	117,600 *
40	74.4	132.4	112,000 *
45	72.1	130.8	100,000 *
50	69.7	129.0	87,700 *
55	67.4	127.0	77,800 *
60	64.9	124.7	69,700 *
65	62.5	122.1	62,900 *
70	59.9	119.3	57,100 *
75	57.3	116.2	52,200 *
80	54.7	112.7	47,900 *
85	51.9	108.9	44,100 *
90	49.0	104.6	40,800 *
95	46.0	99.9	37,800 *
100	42.8	94.7	35,100 *
105	39.4	88.8	32,700 *
110	35.7	82.1	30,500 *
115	31.6	74.4	28,600 *
120	27.0	65.3	26,700 *
125	21.5	53.8	25,000 *



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

Rating Over Front of Blocked Crawlers

No Travel - Limited Swing

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
24	82.2	146.1	157,900 *
26	81.4	145.8	151,800 *
28	80.6	145.4	146,000 *
30	79.7	145.1	140,600 *
32	78.9	144.7	135,400 *
34	78.1	144.2	127,500 *
36	77.2	143.8	120,500 *
38	76.4	143.3	114,300 *
40	75.5	142.7	108,800 *
45	73.4	141.3	97,200 *
50	71.3	139.6	86,700 *
55	69.1	137.8	76,900 *
60	66.8	135.7	68,800 *
65	64.6	133.4	62,000 *
70	62.3	130.8	56,300 *
75	59.9	128.0	51,300 *
80	57.5	124.8	47,100 *
85	55.0	121.4	43,300 *
90	52.5	117.7	40,000 *
95	49.8	113.6	37,000 *
100	47.1	109.0	34,400 *
105	44.2	104.0	32,000 *
110	41.1	98.5	29,800 *
115	37.9	92.3	27,800 *
120	34.3	85.2	26,000 *
125	30.4	77.2	24,300 *
130	26.0	67.6	22,800 *
135	20.7	55.6	21,400 *
150 Ft. BOOM			
24	82.8	156.2	152,500 *
26	82.0	155.9	146,300 *
28	81.2	155.6	140,500 *
30	80.4	155.2	135,000 *
32	79.7	154.9	129,900 *
34	78.9	154.5	124,200 *
36	78.1	154.0	117,300 *
38	77.3	153.6	111,300 *
40	76.5	153.1	105,800 *
45	74.5	151.7	94,400 *
50	72.5	150.2	85,300 *
55	70.5	148.5	76,000 *
60	68.5	146.5	68,000 *
65	66.4	144.4	61,200 *
70	64.3	142.0	55,500 *
75	62.1	139.5	50,600 *
80	59.9	136.6	46,300 *
85	57.7	133.5	42,600 *
90	55.4	130.1	39,300 *
95	53.0	126.4	36,300 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
100	50.6	122.4	33,700 *
105	48.0	118.0	31,300 *
110	45.4	113.2	29,200 *
115	42.6	107.9	27,200 *
120	39.7	102.1	25,400 *
125	36.5	95.6	23,700 *
130	33.1	88.2	22,200 *
135	29.4	79.8	20,800 *
140	25.1	69.8	19,500 *
145	20.0	57.4	18,200 *
160 Ft. BOOM			
26	82.5	166.0	139,000 *
28	81.8	165.7	133,400 *
30	81.0	165.4	128,100 *
32	80.3	165.0	123,100 *
34	79.6	164.7	118,400 *
36	78.8	164.3	114,000 *
38	78.1	163.8	108,500 *
40	77.4	163.4	103,200 *
45	75.5	162.1	91,900 *
50	73.7	160.7	83,000 *
55	71.8	159.1	75,600 *
60	69.9	157.3	67,600 *
65	68.0	155.3	60,800 *
70	66.0	153.1	55,100 *
75	64.0	150.7	50,200 *
80	62.0	148.1	45,900 *
85	59.9	145.3	42,200 *
90	57.8	142.2	38,900 *
95	55.7	138.8	35,900 *
100	53.5	135.2	33,300 *
105	51.2	131.3	30,900 *
110	48.8	127.0	28,700 *
115	46.4	122.3	26,800 *
120	43.8	117.3	25,000 *
125	41.2	111.7	23,300 *
130	38.3	105.6	21,800 *
135	35.3	98.7	20,400 *
140	32.0	91.1	19,100 *
145	28.4	82.3	17,900 *
150	24.3	71.9	16,700 *
155	19.3	59.1	15,600 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
26	82.9	176.1	133,600 *
28	82.2	175.8	128,200 *
30	81.6	175.5	123,000 *
32	80.9	175.2	118,100 *
34	80.2	174.8	113,400 *
36	79.5	174.5	109,100 *
38	78.8	174.0	105,000 *
40	78.1	173.6	100,500 *
45	76.4	172.4	89,400 *
50	74.7	171.1	80,600 *
55	72.9	169.6	73,400 *
60	71.1	167.9	66,800 *
65	69.3	166.1	60,100 *
70	67.5	164.0	54,400 *
75	65.7	161.8	49,500 *
80	63.8	159.4	45,200 *
85	61.9	156.8	41,500 *
90	59.9	153.9	38,200 *
95	58.0	150.9	35,300 *
100	55.9	147.5	32,700 *
105	53.9	144.0	30,300 *
110	51.7	140.1	28,100 *
115	49.5	135.9	26,200 *
120	47.3	131.4	24,400 *
125	44.9	126.5	22,700 *
130	42.5	121.2	21,200 *
135	39.9	115.3	19,800 *
140	37.1	108.9	18,500 *
145	34.2	101.8	17,300 *
150	31.0	93.8	16,200 *
155	27.5	84.7	15,100 *
160	23.5	74.0	14,100 *
165	18.7	60.7	13,200 *



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
Rating Over Front of Blocked Crawlers
No Travel - Limited Swing

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
28	82.7	185.9	122,000 *
30	82.0	185.6	117,400 *
32	81.4	185.3	113,000 *
34	80.7	185.0	108,800 *
36	80.1	184.6	104,700 *
38	79.5	184.2	100,600 *
40	78.8	183.8	96,800 *
45	77.2	182.7	87,100 *
50	75.5	181.5	78,500 *
55	73.9	180.1	71,400 *
60	72.2	178.5	65,400 *
65	70.5	176.8	59,400 *
70	68.8	174.9	53,700 *
75	67.1	172.8	48,800 *
80	65.4	170.5	44,600 *
85	63.6	168.1	40,800 *
90	61.8	165.4	37,600 *
95	60.0	162.6	34,600 *
100	58.1	159.5	32,000 *
105	56.2	156.2	29,600 *
110	54.2	152.7	27,500 *
115	52.2	148.9	25,500 *
120	50.2	144.8	23,700 *
125	48.1	140.4	22,100 *
130	45.9	135.6	20,600 *
135	43.6	130.5	19,200 *
140	41.2	124.9	17,900 *
145	38.7	118.8	16,700 *
150	36.0	112.2	15,500 *
155	33.2	104.8	14,500 *
160	30.1	96.5	13,500 *
165	26.7	87.1	12,600 *
170	22.8	76.0	11,700 *
175	18.2	62.3	10,800 *
190 Ft. BOOM			
30	82.5	195.7	116,600 *
32	81.9	195.4	113,200 *
34	81.2	195.1	109,900 *
36	80.6	194.8	106,500 *
38	80.0	194.4	101,200 *
40	79.4	194.0	96,000 *
45	77.9	193.0	85,200 *
50	76.3	191.8	76,500 *
55	74.8	190.5	69,400 *
60	73.2	189.0	63,500 *
65	71.6	187.4	58,400 *
70	70.0	185.6	53,100 *
75	68.4	183.6	48,100 *
80	66.7	181.5	43,900 *
85	65.1	179.2	40,100 *
90	63.4	176.8	36,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
95	61.7	174.1	33,900 *
100	60.0	171.3	31,200 *
105	58.2	168.2	28,800 *
110	56.4	164.9	26,700 *
115	54.5	161.4	24,700 *
120	52.7	157.7	22,900 *
125	50.7	153.7	21,300 *
130	48.7	149.4	19,800 *
135	46.7	144.7	18,400 *
140	44.6	139.8	17,100 *
145	42.3	134.4	15,900 *
150	40.0	128.6	14,700 *
155	37.6	122.3	13,700 *
160	35.0	115.3	12,700 *
165	32.3	107.7	11,800 *
170	29.3	99.1	10,900 *
175	26.0	89.4	10,100 *
180	22.2	77.9	9,300 *
185	17.7	63.8	8,500 *
200 Ft. BOOM			
30	82.8	205.8	109,700 *
32	82.3	205.5	106,300 *
34	81.7	205.2	103,000 *
36	81.1	204.9	99,900 *
38	80.5	204.6	96,900 *
40	79.9	204.2	93,400 *
45	78.5	203.2	82,700 *
50	77.0	202.1	74,300 *
55	75.5	200.8	67,400 *
60	74.0	199.4	61,600 *
65	72.5	197.9	56,700 *
70	71.0	196.2	52,200 *
75	69.5	194.4	47,300 *
80	68.0	192.4	43,100 *
85	66.4	190.2	39,400 *
90	64.8	187.9	36,100 *
95	63.2	185.4	33,100 *
100	61.6	182.8	30,500 *
105	60.0	179.9	28,200 *
110	58.3	176.9	26,000 *
115	56.6	173.6	24,100 *
120	54.8	170.2	22,300 *
125	53.0	166.5	20,600 *
130	51.2	162.5	19,100 *
135	49.3	158.3	17,700 *
140	47.4	153.8	16,500 *
145	45.4	148.9	15,300 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
150	43.4	143.7	14,100 *
155	41.2	138.2	13,100 *
160	39.0	132.1	12,100 *
165	36.6	125.6	11,200 *
170	34.1	118.4	10,300 *
175	31.4	110.5	9,500 *
180	28.5	101.7	8,700 *
185	25.3	91.6	8,000 *
190	21.6	79.8	7,300 *
195	17.2	65.3	6,600 *
210 Ft. BOOM			
32	82.6	215.6	105,700 *
34	82.1	215.4	102,700 *
36	81.5	215.1	98,200 *
38	81.0	214.7	94,300 *
40	80.4	214.4	89,700 *
45	79.0	213.4	80,100 *
50	77.6	212.4	72,500 *
55	76.2	211.2	65,800 *
60	74.8	209.8	60,100 *
65	73.4	208.4	55,200 *
70	72.0	206.8	51,000 *
75	70.5	205.0	47,400 *
80	69.1	203.2	44,100 *
85	67.6	201.1	40,600 *
90	66.1	198.9	37,300 *
95	64.6	196.6	34,200 *
100	63.1	194.1	31,500 *
105	61.5	191.4	29,100 *
110	60.0	188.6	26,900 *
115	58.4	185.5	24,900 *
120	56.7	182.3	23,000 *
125	55.1	178.9	21,300 *
130	53.4	175.2	19,800 *
135	51.7	171.3	18,300 *
140	49.9	167.2	17,000 *
145	48.1	162.8	15,800 *
150	46.2	158.0	14,600 *
155	44.3	153.0	13,500 *
160	42.3	147.6	12,500 *
165	40.2	141.8	11,600 *
170	38.0	135.6	10,700 *
175	35.7	128.8	9,800 *
180	33.2	121.4	9,000 *
185	30.6	113.2	8,300 *
190	27.8	104.1	7,500 *
195	24.7	93.8	6,900 *
200	21.1	81.7	6,200 *
205	16.8	66.7	5,600 *



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

Rating Over Front of Blocked Crawlers

No Travel - Limited Swing

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
220 Ft. BOOM			
32	83.0	225.7	105,100 *
34	82.4	225.5	102,400 *
36	81.9	225.2	96,600 *
38	81.4	224.9	91,500 *
40	80.9	224.5	86,900 *
45	79.5	223.6	77,500 *
50	78.2	222.6	70,000 *
55	76.9	221.5	63,700 *
60	75.5	220.2	58,100 *
65	74.2	218.8	53,300 *
70	72.8	217.3	49,200 *
75	71.4	215.6	45,600 *
80	70.1	213.9	42,500 *
85	68.7	211.9	39,500 *
90	67.3	209.9	36,100 *
95	65.8	207.7	33,100 *
100	64.4	205.3	30,400 *
105	62.9	202.8	28,000 *
110	61.5	200.1	25,800 *
115	60.0	197.2	23,800 *
120	58.4	194.2	22,000 *
125	56.9	191.0	20,400 *
130	55.3	187.6	18,800 *
135	53.7	184.0	17,400 *
140	52.1	180.1	16,100 *
145	50.4	176.0	14,900 *
150	48.7	171.7	13,700 *
155	46.9	167.1	12,600 *
160	45.1	162.2	11,600 *
165	43.2	157.0	10,700 *
170	41.2	151.4	9,800 *
175	39.2	145.4	9,000 *
180	37.1	138.9	8,200 *
185	34.8	131.9	7,500 *
190	32.4	124.3	6,800 *
195	29.9	115.9	6,100 *
200	27.1	106.5	5,400 *
205	24.1	95.9	4,800 *
210	20.6	83.5	4,200 *
230 Ft. BOOM			
34	82.8	235.6	97,100 *
36	82.3	235.3	94,300 *
38	81.8	235.0	89,300 *
40	81.3	234.7	84,700 *
45	80.0	233.8	75,400 *
50	78.7	232.8	68,000 *
55	77.5	231.7	61,900 *
60	76.2	230.5	56,400 *
65	74.9	229.2	51,700 *
70	73.6	227.8	47,700 *
75	72.3	226.2	44,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
230 Ft. BOOM			
80	71.0	224.5	41,100 *
85	69.6	222.7	38,300 *
90	68.3	220.7	35,100 *
95	67.0	218.6	32,100 *
100	65.6	216.4	29,500 *
105	64.2	214.0	27,100 *
110	62.8	211.4	24,900 *
115	61.4	208.8	22,900 *
120	60.0	205.9	21,100 *
125	58.5	202.9	19,500 *
130	57.0	199.7	18,000 *
135	55.5	196.3	16,600 *
140	54.0	192.7	15,200 *
145	52.4	188.9	14,000 *
150	50.8	184.9	12,900 *
155	49.2	180.6	11,800 *
160	47.5	176.1	10,900 *
165	45.8	171.3	9,900 *
170	44.0	166.3	9,100 *
175	42.2	160.8	8,200 *
180	40.3	155.1	7,500 *
185	38.3	148.9	6,700 *
190	36.2	142.2	6,000 *
195	34.0	135.0	5,400 *
200	31.7	127.1	4,700 *
205	29.2	118.5	4,100 *
240 Ft. BOOM			
36	82.6	245.4	88,500 *
38	82.1	245.1	87,100 *
40	81.6	244.8	82,600 *
45	80.4	244.0	73,200 *
50	79.2	243.0	65,900 *
55	78.0	242.0	60,000 *
60	76.8	240.8	55,000 *
65	75.5	239.6	50,400 *
70	74.3	238.2	46,400 *
75	73.0	236.7	42,900 *
80	71.8	235.1	39,800 *
85	70.5	233.3	37,100 *
90	69.3	231.5	34,700 *
95	68.0	229.5	32,200 *
100	66.7	227.3	29,500 *
105	65.4	225.1	27,100 *
110	64.0	222.7	24,900 *
115	62.7	220.1	22,900 *
120	61.3	217.4	21,100 *
125	60.0	214.6	19,400 *
130	58.6	211.5	17,900 *
135	57.2	208.4	16,400 *
140	55.7	205.0	15,100 *
145	54.3	201.4	13,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
240 Ft. BOOM			
150	52.8	197.7	12,700 *
155	51.2	193.7	11,700 *
160	49.7	189.5	10,700 *
165	48.1	185.1	9,700 *
170	46.5	180.4	8,900 *
175	44.8	175.5	8,000 *
180	43.0	170.2	7,200 *
185	41.2	164.6	6,500 *
190	39.4	158.6	5,800 *
195	37.4	152.3	5,100 *
200	35.4	145.4	4,500 *
250 Ft. BOOM			
38	82.4	255.2	85,000 *
40	82.0	254.9	80,500 *
45	80.8	254.1	71,200 *
50	79.6	253.2	64,000 *
55	78.5	252.2	58,100 *
60	77.3	251.1	53,300 *
65	76.1	249.9	48,800 *
70	74.9	248.6	44,900 *
75	73.7	247.1	41,500 *
80	72.5	245.6	38,500 *
85	71.3	243.9	35,800 *
90	70.1	242.1	33,400 *
95	68.9	240.2	31,200 *
100	67.7	238.2	28,700 *
105	66.4	236.1	26,200 *
110	65.1	233.8	24,100 *
115	63.9	231.3	22,100 *
120	62.6	228.8	20,300 *
125	61.3	226.1	18,600 *
130	60.0	223.2	17,100 *
135	58.6	220.2	15,700 *
140	57.3	217.0	14,400 *
145	55.9	213.7	13,100 *
150	54.5	210.2	12,000 *
155	53.1	206.5	10,900 *
160	51.6	202.5	9,900 *
165	50.1	198.4	9,000 *
170	48.6	194.1	8,100 *
175	47.0	189.5	7,300 *
180	45.5	184.6	6,500 *
185	43.8	179.5	5,800 *
190	42.1	174.1	5,100 *
195	40.4	168.3	4,400 *

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Boom Capacities**Meets
ANSI B30.5
Requirements**777 SERIES 2****Boom No. 78****142,000 Lb. Crane Counterweight****44,000 Lb. Carbody Counterweight****Rating Over Front of Blocked Crawlers****No Travel - Limited Swing**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
260 Ft. BOOM			
40	82.3	265.0	77,200 *
45	81.2	264.3	68,800 *
50	80.0	263.4	61,600 *
55	78.9	262.4	55,900 *
60	77.8	261.4	51,100 *
65	76.7	260.2	47,100 *
70	75.5	258.9	43,300 *
75	74.4	257.6	39,900 *
80	73.2	256.1	36,900 *
85	72.1	254.5	34,300 *
90	70.9	252.8	32,000 *
95	69.7	251.0	29,800 *
100	68.6	249.0	27,800 *
105	67.4	247.0	25,400 *
110	66.2	244.8	23,300 *
115	65.0	242.5	21,300 *
120	63.7	240.0	19,500 *
125	62.5	237.4	17,800 *
130	61.2	234.7	16,300 *
135	60.0	231.9	14,900 *
140	58.7	228.9	13,600 *
145	57.4	225.7	12,400 *
150	56.1	222.4	11,200 *
155	54.7	218.9	10,200 *
160	53.3	215.2	9,200 *
165	51.9	211.3	8,300 *
170	50.5	207.3	7,400 *
175	49.1	203.0	6,600 *
180	47.6	198.5	5,800 *
185	46.1	193.8	5,100 *
190	44.5	188.7	4,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
270 Ft. BOOM			
45	81.5	274.4	66,700 *
50	80.4	273.5	59,600 *
55	79.3	272.6	54,000 *
60	78.3	271.6	49,300 *
65	77.2	270.5	45,300 *
70	76.1	269.3	41,800 *
75	75.0	267.9	38,500 *
80	73.9	266.5	35,500 *
85	72.8	265.0	33,000 *
90	71.7	263.4	30,600 *
95	70.5	261.6	28,600 *
100	69.4	259.8	26,700 *
105	68.3	257.8	24,700 *
110	67.1	255.7	22,600 *
115	65.9	253.5	20,600 *
120	64.8	251.2	18,800 *
125	63.6	248.7	17,200 *
130	62.4	246.1	15,600 *
135	61.2	243.4	14,200 *
140	60.0	240.5	12,900 *
145	58.7	237.5	11,700 *
150	57.5	234.4	10,600 *
155	56.2	231.1	9,500 *
160	54.9	227.6	8,500 *
165	53.6	224.0	7,600 *
170	52.3	220.1	6,700 *
175	50.9	216.1	5,900 *
180	49.5	211.9	5,200 *
185	48.1	207.5	4,400 *



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Jib No. 134 with 12 Ft. 6 in. Strut on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

777 SERIES 2

LIFTING CAPACITIES: Chart supplements boom capacity chart **No. 7883-A**. Lifting 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.

OPERATING CONDITIONS: Machine to operate in a level position on a firm uniformly supporting surface. Refer to boom rigging **No. 178288**, jib assembly **No. 179331**, and Wire Rope Specification chart **No. 7940-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. Refer to operators manual for operating guidelines.

MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface and boom within the boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 7957-A**.

OPERATING RADIUS: 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 butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

JIB POINT ELEVATION: Jib point elevation is vertical distance from ground level to centerline of jib point shaft.

MACHINE EQUIPMENT: Machine equipped with 24 Ft. 9 in. crawlers, 38 in. or 48 in. treads, two 12 in. boom hoist cylinders, 26 Ft. mast, four 1-1/4 in. boom pendants, 142,000 Lb. crane counterweight and two 22,000 Lb. carbody counterweights.

Maximum capacity on 26 mm or 1 in. wire rope is 29,500 Lbs. per line (20,000 Lbs. when auxiliary drum is used).

Auxiliary Drum Deduct

Deduct 1,050 Lbs. from jib capacities when boom butt is equipped with auxiliary drum.

Maximum Boom and Jib Lengths Lifted Unassisted					
Over Front of Blocked Crawlers		Over Rear of Blocked Crawlers		Over Side of Crawlers	
Boom Length	Jib No. 134	Boom Length	Jib No. 134	Boom Length	Jib No. 134
(a) 270 Ft.	—	(a) 260 Ft.	—	(b) 230 Ft.	—
(a) 260 Ft.	—	250 Ft.	—	220 Ft.	—
250 Ft.	—	240 Ft.	—	210 Ft.	50 Ft.
240 Ft.	30 Ft.	230 Ft.	50 Ft.	200 Ft.	70 Ft.
230 Ft.	50 Ft.	220 Ft.	70 Ft.	190 Ft.	80 Ft.
220 Ft.	80 Ft.	210 Ft.	80 Ft.		
Load block, hook and weight ball on ground at start. (a) Upper boom point, multi-part rope guard (No. A02744) and boom top wire rope guide (No. 192312) for third line cannot be used on 260 Ft. and 270 Ft. booms. Auxiliary drum in boom butt and wire rope guide in 10 Ft. insert cannot be used on 270 Ft. boom. (b) When multi-part rope guard (No. A02744) is attached to lower boom point, 230 Ft. boom cannot be lifted over side of crawlers.					

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**Meets
ANSI B30.5
Requirements**777 SERIES 2**

Jib No. 134 with 12 Ft. 6 in. Strut on

Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

30 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
80 Ft. BOOM										
25	80.3	117.8	59,000*							25
30	77.7	116.7	59,000*	80.4	115.9	59,000*				30
35	75.0	115.3	59,000*	77.7	114.6	59,000*	80.5	112.9	47,700*	35
40	72.4	113.7	59,000*	75.0	113.0	57,700*	77.7	111.2	44,800*	40
45	69.6	111.9	59,000*	72.3	111.1	56,500*	75.0	109.3	42,400*	45
50	66.9	109.7	58,200*	69.5	109.0	55,400*	72.1	107.1	40,200*	50
55	64.0	107.3	56,800*	66.6	106.5	54,500*	69.2	104.7	38,300*	55
60	61.1	104.6	55,600*	63.7	103.7	53,600*	66.2	101.8	36,600*	60
65	58.1	101.5	54,500*	60.7	100.6	52,600*	63.1	98.7	35,000*	65
70	55.0	98.0	51,200	57.5	97.1	49,800*	59.9	95.1	33,700*	70
75	51.8	94.1	46,600	54.2	93.2	47,100	56.6	91.0	32,500*	75
80	48.4	89.7	42,600	50.8	88.7	43,100	53.0	86.5	31,400*	80
85	44.8	84.8	39,200	47.2	83.7	39,500	49.3	81.3	30,500*	85
90	40.9	79.1	36,100	43.3	78.0	36,400	45.2	75.4	29,700*	90
100	32.1	64.9	31,000	34.2	63.5	31,200				100
90 Ft. BOOM										
30	78.7	126.9	59,000*							30
35	76.3	125.7	59,000*	78.8	124.9	59,000*				35
40	73.9	124.3	59,000*	76.3	123.5	58,100*	78.8	121.7	45,800*	40
45	71.4	122.6	59,000*	73.8	121.8	56,900*	76.3	120.0	43,400*	45
50	68.9	120.6	59,000*	71.3	119.8	55,900*	73.7	118.0	41,300*	50
55	66.3	118.4	57,600*	68.7	117.6	54,900*	71.1	115.8	39,400*	55
60	63.7	116.0	56,400*	66.1	115.2	54,000*	68.4	113.2	37,700*	60
65	61.0	113.2	55,300*	63.4	112.4	53,200*	65.7	110.4	36,200*	65
70	58.3	110.2	51,000	60.6	109.3	51,600	62.8	107.3	34,800*	70
75	55.4	106.7	46,400	57.7	105.8	46,900	59.9	103.7	33,600*	75
80	52.5	102.9	42,400	54.8	102.0	42,900	56.9	99.8	32,500*	80
85	49.4	98.7	38,900	51.7	97.7	39,400	53.7	95.4	31,500*	85
90	46.2	94.0	35,900	48.4	92.9	36,300	50.3	90.5	30,700*	90
100	39.1	82.6	30,800	41.2	81.4	31,100	42.9	78.6	29,200*	100
110	30.6	67.6	26,600	32.6	66.1	26,800				110



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

30 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
100 Ft. BOOM										
30	79.6	137.1	59,000*							30
35	77.4	136.0	59,000*	79.6	135.2	59,000*				35
40	75.1	134.7	59,000*	77.4	133.9	58,400*	79.7	132.1	46,600*	40
45	72.8	133.1	59,000*	75.1	132.3	57,300*	77.4	130.5	44,300*	45
50	70.5	131.4	59,000*	72.8	130.6	56,300*	75.0	128.7	42,200*	50
55	68.2	129.4	58,300*	70.4	128.6	55,300*	72.7	126.7	40,400*	55
60	65.8	127.1	57,100*	68.0	126.3	54,500*	70.2	124.4	38,800*	60
65	63.4	124.7	56,000*	65.6	123.8	53,700*	67.8	121.8	37,300*	65
70	60.9	121.9	50,700	63.1	121.0	51,300	65.2	119.0	35,900*	70
75	58.4	118.8	46,000	60.6	117.9	46,600	62.6	115.9	34,700*	75
80	55.8	115.5	42,100	57.9	114.5	42,600	59.9	112.4	33,600*	80
85	53.1	111.7	38,600	55.2	110.8	39,100	57.1	108.6	32,600*	85
90	50.3	107.6	35,500	52.4	106.6	36,000	54.2	104.3	31,700*	90
100	44.3	98.0	30,400	46.3	96.9	30,800	48.0	94.3	30,100*	100
110	37.5	86.0	26,300	39.4	84.7	26,600				110
120	29.4	70.2	22,900	31.1	68.5	23,100				120
110 Ft. BOOM										
30	80.3	147.3	59,000*							30
35	78.3	146.3	59,000*	80.4	145.5	59,000*				35
40	76.2	145.1	59,000*	78.3	144.3	58,500*	80.5	142.4	47,300*	40
45	74.1	143.6	59,000*	76.2	142.8	57,500*	78.3	141.0	45,100*	45
50	72.0	142.0	59,000*	74.1	141.2	56,500*	76.2	139.3	43,100*	50
55	69.8	140.2	58,800*	71.9	139.3	55,600*	74.0	137.5	41,300*	55
60	67.6	138.1	57,700*	69.7	137.3	54,800*	71.8	135.4	39,700*	60
65	65.4	135.8	55,900	67.5	135.0	54,000*	69.5	133.0	38,200*	65
70	63.2	133.3	50,400	65.2	132.4	51,100	67.2	130.4	36,900*	70
75	60.9	130.5	45,800	62.9	129.7	46,400	64.8	127.6	35,700*	75
80	58.5	127.5	41,800	60.5	126.6	42,400	62.4	124.5	34,600*	80
85	56.1	124.2	38,300	58.1	123.2	38,900	59.9	121.1	33,500*	85
90	53.6	120.5	35,300	55.6	119.5	35,800	57.4	117.3	32,600*	90
100	48.3	112.1	30,200	50.2	111.0	30,600	51.9	108.6	30,900	100
110	42.6	101.9	26,100	44.4	100.7	26,400	45.9	98.0	26,700	110
120	36.1	89.2	22,700	37.8	87.8	22,900				120
130	28.3	72.6	19,800							130

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

30 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
120 Ft. BOOM										
30	81.0	157.5	59,000*							30
35	79.0	156.5	59,000*	81.0	155.7	59,000*				35
40	77.1	155.4	59,000*	79.1	154.6	58,600*				40
45	75.2	154.1	59,000*	77.1	153.2	57,600*	79.1	151.4	45,900*	45
50	73.2	152.5	59,000*	75.2	151.7	56,700*	77.1	149.8	43,900*	50
55	71.2	150.8	59,000*	73.2	150.0	55,800*	75.1	148.1	42,200*	55
60	69.2	148.9	58,100*	71.1	148.1	55,000*	73.1	146.2	40,600*	60
65	67.2	146.8	55,700	69.1	146.0	54,200*	71.0	144.0	39,100*	65
70	65.1	144.5	50,200	67.0	143.7	51,000	68.9	141.7	37,800*	70
75	63.0	142.0	45,600	64.9	141.1	46,300	66.7	139.1	36,600*	75
80	60.8	139.2	41,600	62.7	138.3	42,200	64.5	136.2	35,500*	80
85	58.6	136.2	38,100	60.5	135.2	38,700	62.2	133.1	34,400*	85
90	56.4	132.9	35,100	58.2	131.9	35,600	59.9	129.7	33,500*	90
100	51.6	125.3	30,000	53.5	124.3	30,400	55.1	122.0	30,800	100
110	46.6	116.4	25,900	48.4	115.3	26,200	49.9	112.7	26,500	110
120	41.1	105.6	22,500	42.8	104.4	22,800	44.1	101.5	23,000	120
130	34.8	92.3	19,700	36.4	90.9	19,900				130
140	27.3	75.0	17,200							140
130 Ft. BOOM										
35	79.7	166.7	59,000*							35
40	77.9	165.7	59,000*	79.8	164.8	58,600*				40
45	76.1	164.4	59,000*	78.0	163.6	57,700*	79.8	161.7	46,500*	45
50	74.3	163.0	59,000*	76.1	162.2	56,800*	78.0	160.3	44,700*	50
55	72.4	161.4	59,000*	74.2	160.6	56,000*	76.1	158.7	42,900*	55
60	70.5	159.7	58,500*	72.4	158.8	55,200*	74.2	156.9	41,400*	60
65	68.6	157.7	55,400	70.5	156.8	54,400*	72.3	154.9	40,000*	65
70	66.7	155.6	50,000	68.5	154.7	50,800	70.3	152.7	38,600*	70
75	64.8	153.2	45,300	66.6	152.3	46,000	68.3	150.3	37,400*	75
80	62.8	150.7	41,300	64.6	149.7	42,000	66.3	147.7	36,300*	80
85	60.8	147.9	37,900	62.5	146.9	38,500	64.2	144.8	35,300*	85
90	58.7	144.8	34,800	60.4	143.9	35,400	62.1	141.7	34,300*	90
100	54.4	138.0	29,700	56.1	137.0	30,200	57.7	134.7	30,600	100
110	49.9	130.0	25,600	51.6	128.9	26,000	53.1	126.5	26,300	110
120	45.0	120.5	22,200	46.7	119.3	22,600	48.0	116.7	22,800	120
130	39.7	109.2	19,400	41.3	107.9	19,700	42.5	104.9	19,900	130
140	33.6	95.3	17,000	35.1	93.8	17,200				140
150	26.4	77.3	14,900							150



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

30 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
140 Ft. BOOM										
35	80.3	176.9	59,000*							35
40	78.6	175.9	59,000*	80.4	175.1	58,600*				40
45	76.9	174.7	59,000*	78.7	173.9	57,700*	80.5	172.0	47,100*	45
50	75.2	173.4	59,000*	76.9	172.6	56,800*	78.7	170.7	45,300*	50
55	73.5	171.9	59,000*	75.2	171.1	56,000*	76.9	169.2	43,700*	55
60	71.7	170.3	58,700*	73.4	169.4	55,300*	75.2	167.5	42,100*	60
65	69.9	168.5	55,100	71.7	167.6	54,500*	73.4	165.6	40,700*	65
70	68.2	166.5	49,600	69.9	165.6	50,500	71.5	163.6	39,400*	70
75	66.3	164.3	45,000	68.0	163.4	45,700	69.7	161.4	38,200*	75
80	64.5	161.9	41,000	66.2	161.0	41,700	67.8	158.9	37,100*	80
85	62.6	159.3	37,500	64.3	158.4	38,100	65.9	156.3	36,100*	85
90	60.7	156.5	34,500	62.4	155.6	35,000	64.0	153.5	35,200*	90
100	56.8	150.2	29,300	58.4	149.3	29,800	59.9	147.0	30,300	100
110	52.7	142.9	25,200	54.3	141.9	25,700	55.7	139.6	26,000	110
120	48.3	134.4	21,900	49.9	133.3	22,200	51.2	130.8	22,500	120
130	43.6	124.5	19,000	45.1	123.3	19,300	46.4	120.5	19,600	130
140	38.4	112.6	16,600	39.9	111.3	16,900				140
150	32.6	98.2	14,500	34.0	96.6	14,700				150
160	25.6	79.5	12,700							160
150 Ft. BOOM										
35	80.9	187.1	59,000*							35
40	79.3	186.1	59,000*	80.9	185.3	58,400*				40
45	77.7	185.0	59,000*	79.3	184.2	57,600*	81.0	182.3	47,700*	45
50	76.0	183.8	59,000*	77.7	182.9	56,800*	79.4	181.0	45,900*	50
55	74.4	182.4	59,000*	76.0	181.5	56,000*	77.7	179.6	44,300*	55
60	72.8	180.8	58,900*	74.4	180.0	55,300*	76.0	178.0	42,800*	60
65	71.1	179.1	54,800	72.7	178.3	54,600*	74.3	176.3	41,400*	65
70	69.4	177.3	49,300	71.0	176.4	50,200	72.6	174.4	40,200*	70
75	67.7	175.2	44,700	69.3	174.3	45,500	70.9	172.3	39,000*	75
80	66.0	173.0	40,700	67.6	172.1	41,400	69.1	170.0	37,900*	80
85	64.3	170.6	37,200	65.8	169.7	37,900	67.4	167.6	36,900*	85
90	62.5	168.0	34,100	64.1	167.0	34,800	65.6	164.9	35,400	90
100	58.8	162.2	29,000	60.4	161.2	29,600	61.9	159.0	30,100	100
110	55.1	155.5	24,900	56.6	154.4	25,400	58.0	152.1	25,800	110
120	51.1	147.7	21,600	52.6	146.7	21,900	53.9	144.2	22,300	120
130	46.9	138.8	18,700	48.3	137.6	19,100	49.6	135.0	19,300	130
140	42.3	128.3	16,300	43.7	127.1	16,600	44.9	124.2	16,800	140
150	37.3	116.0	14,200	38.7	114.6	14,500				150
160	31.6	101.0	12,400	32.9	99.3	12,600				160
170	24.8	81.7	10,800							170

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**Meets
ANSI B30.5
Requirements**777 SERIES 2****Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78****142,000 Lb. Crane Counterweight****44,000 Lb. Carbody Counterweight****360 Degree Rating****30 Ft. Jib**

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
160 Ft. BOOM										
40	79.8	196.3	59,000*							40
45	78.3	195.3	59,000*	79.9	194.4	57,400*				45
50	76.8	194.1	59,000*	78.3	193.3	56,700*	79.9	191.3	46,500*	50
55	75.2	192.8	59,000*	76.8	191.9	55,900*	78.4	190.0	44,900*	55
60	73.7	191.3	59,000*	75.2	190.5	55,200*	76.8	188.5	43,500*	60
65	72.1	189.7	54,600	73.7	188.8	54,200*	75.2	186.9	42,100*	65
70	70.5	187.9	49,100	72.1	187.1	50,000*	73.6	185.1	40,800*	70
75	68.9	186.0	44,400	70.5	185.1	45,300	72.0	183.1	39,700*	75
80	67.3	183.9	40,400	68.8	183.0	41,200	70.3	181.0	38,600*	80
85	65.7	181.7	36,900	67.2	180.8	37,600	68.7	178.7	37,600*	85
90	64.0	179.3	33,900	65.5	178.3	34,500	67.0	176.2	35,200	90
100	60.6	173.8	28,800	62.1	172.9	29,300	63.5	170.7	29,900	100
110	57.1	167.6	24,700	58.6	166.6	25,100	59.9	164.4	25,600	110
120	53.5	160.5	21,300	54.9	159.5	21,700	56.2	157.1	22,100	120
130	49.6	152.3	18,500	51.0	151.2	18,800	52.3	148.7	19,100	130
140	45.5	142.9	16,100	46.9	141.8	16,400	48.1	139.1	16,600	140
150	41.1	132.0	14,000	42.5	130.8	14,200	43.5	127.8	14,400	150
160	36.3	119.2	12,200	37.6	117.8	12,400				160
170	30.8	103.7	10,600	32.0	102.0	10,700				170
180	24.1	83.8	9,200							180



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

30 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
170 Ft. BOOM										
40	80.3	206.5	59,000*							40
45	78.9	205.5	59,000*	80.4	204.7	57,200*				45
50	77.4	204.4	59,000*	78.9	203.5	56,400*	80.4	201.6	47,000*	50
55	76.0	203.1	59,000*	77.5	202.3	55,700*	79.0	200.3	45,500*	55
60	74.5	201.8	58,800*	76.0	200.9	55,100*	77.5	198.9	44,100*	60
65	73.0	200.2	54,300	74.5	199.4	53,500*	76.0	197.4	42,700*	65
70	71.5	198.6	48,800	73.0	197.7	49,400*	74.5	195.7	41,500*	70
75	70.0	196.8	44,100	71.5	195.9	45,000	72.9	193.8	40,300*	75
80	68.5	194.8	40,100	70.0	193.9	40,900	71.4	191.8	39,300*	80
85	67.0	192.7	36,600	68.4	191.8	37,400	69.8	189.7	37,600*	85
90	65.4	190.4	33,600	66.8	189.5	34,200	68.2	187.4	34,900	90
100	62.2	185.3	28,500	63.7	184.4	29,000	65.0	182.2	29,600	100
110	59.0	179.5	24,300	60.4	178.5	24,800	61.7	176.3	25,300	110
120	55.6	172.9	21,000	56.9	171.9	21,400	58.2	169.5	21,800	120
130	52.0	165.4	18,100	53.4	164.3	18,500	54.6	161.9	18,900	130
140	48.3	156.8	15,700	49.6	155.7	16,100	50.8	153.1	16,300	140
150	44.3	147.0	13,700	45.6	145.8	13,900	46.7	143.0	14,200	150
160	40.0	135.7	11,900	41.3	134.3	12,100	42.3	131.3	12,300	160
170	35.3	122.4	10,300	36.5	120.9	10,500				170
180	30.0	106.3	8,900	31.1	104.6	9,000				180
190	23.5	85.8	7,600							190

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
 Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

30 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
180 Ft. BOOM										
40	80.8	216.7	59,000*							40
45	79.4	215.7	59,000*	80.9	214.9	56,900*				45
50	78.0	214.7	59,000*	79.5	213.8	56,200*	80.9	211.8	47,500*	50
55	76.7	213.5	59,000*	78.1	212.6	55,500*	79.5	210.6	46,000*	55
60	75.3	212.2	58,700*	76.7	211.3	54,900*	78.1	209.3	44,600*	60
65	73.9	210.7	53,900	75.3	209.8	52,900*	76.7	207.8	43,300*	65
70	72.4	209.1	48,400	73.8	208.2	48,700*	75.2	206.2	42,100*	70
75	71.0	207.4	43,800	72.4	206.5	44,700	73.8	204.5	40,900*	75
80	69.6	205.5	39,700	71.0	204.6	40,600	72.3	202.6	39,800*	80
85	68.1	203.5	36,300	69.5	202.6	37,000	70.8	200.6	37,000*	85
90	66.7	201.4	33,200	68.0	200.5	33,900	69.4	198.4	34,500*	90
100	63.7	196.6	28,100	65.0	195.7	28,700	66.3	193.5	29,300	100
110	60.6	191.2	24,000	61.9	190.2	24,500	63.2	188.0	25,000	110
120	57.4	185.0	20,600	58.7	184.0	21,000	60.0	181.7	21,500	120
130	54.1	178.0	17,700	55.4	176.9	18,100	56.6	174.6	18,500	130
140	50.7	170.1	15,300	52.0	169.0	15,700	53.1	166.5	16,000	140
150	47.1	161.1	13,300	48.3	160.0	13,600	49.4	157.3	13,800	150
160	43.2	150.9	11,500	44.4	149.7	11,700	45.4	146.8	11,900	160
170	39.0	139.2	9,900	40.2	137.8	10,100				170
180	34.4	125.4	8,500	35.6	123.9	8,600				180
190	29.2	108.9	7,200							190
200	22.9	87.8	6,000							200



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

30 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
190 Ft. BOOM										
45	79.9	225.9	59,000*							45
50	78.6	224.9	59,000*	80.0	224.0	55,800*				50
55	77.3	223.8	59,000*	78.6	222.9	55,200*	80.0	220.9	46,500*	55
60	75.9	222.5	58,300*	77.3	221.6	54,500*	78.7	219.6	45,100*	60
65	74.6	221.1	53,400	75.9	220.3	53,500*	77.3	218.3	43,800*	65
70	73.3	219.6	47,900	74.6	218.7	49,000	75.9	216.7	42,600*	70
75	71.9	218.0	43,300	73.2	217.1	44,200	74.6	215.1	41,500*	75
80	70.5	216.2	39,200	71.9	215.3	40,100	73.2	213.3	40,100*	80
85	69.2	214.3	35,700	70.5	213.4	36,600	71.8	211.4	37,000*	85
90	67.8	212.3	32,700	69.1	211.4	33,400	70.4	209.3	34,200	90
100	64.9	207.8	27,500	66.2	206.8	28,200	67.5	204.7	28,800	100
110	62.0	202.6	23,400	63.3	201.7	24,000	64.5	199.5	24,500	110
120	59.1	196.8	20,000	60.3	195.8	20,500	61.5	193.6	21,000	120
130	56.0	190.3	17,200	57.2	189.3	17,600	58.4	186.9	18,000	130
140	52.8	183.0	14,800	54.0	181.9	15,200	55.1	179.4	15,500	140
150	49.4	174.7	12,700	50.6	173.6	13,100	51.7	171.0	13,300	150
160	45.9	165.4	10,900	47.1	164.2	11,200	48.1	161.4	11,400	160
170	42.2	154.8	9,300	43.3	153.5	9,600	44.2	150.6	9,800	170
180	38.1	142.6	7,900	39.2	141.2	8,100				180
190	33.6	128.4	6,700	34.7	126.9	6,800				190
200	28.5	111.4	5,500							200
210	22.4	89.7	4,500							210

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**Meets
ANSI B30.5
Requirements**777 SERIES 2**

Jib No. 134 with 12 Ft. 6 in. Strut on

Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

30 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
200 Ft. BOOM										
45	80.4	236.1	59,000*							45
50	79.1	235.1	59,000*	80.4	234.2	55,500*				50
55	77.8	234.0	58,800*	79.1	233.2	54,900*	80.4	231.2	47,000*	55
60	76.6	232.8	58,000*	77.9	232.0	54,300*	79.2	230.0	45,600*	60
65	75.3	231.5	53,200	76.6	230.6	52,100*	77.9	228.6	44,400*	65
70	74.0	230.1	47,700	75.3	229.2	47,600*	76.6	227.2	43,200*	70
75	72.7	228.5	43,000	74.0	227.6	43,900*	75.3	225.6	42,000*	75
80	71.4	226.9	38,900	72.7	225.9	39,900	73.9	223.9	38,700*	80
85	70.1	225.0	35,400	71.4	224.1	36,300	72.6	222.1	36,100*	85
90	68.8	223.1	32,400	70.0	222.2	33,200	71.3	220.1	33,600*	90
100	66.1	218.8	27,200	67.3	217.9	27,900	68.5	215.7	28,600	100
110	63.3	214.0	23,100	64.6	213.0	23,700	65.8	210.8	24,300	110
120	60.5	208.5	19,700	61.8	207.5	20,200	62.9	205.2	20,700	120
130	57.6	202.3	16,900	58.8	201.3	17,300	60.0	199.0	17,800	130
140	54.6	195.5	14,500	55.8	194.4	14,900	56.9	192.0	15,300	140
150	51.5	187.8	12,400	52.7	186.7	12,800	53.7	184.2	13,100	150
160	48.3	179.2	10,600	49.4	178.0	10,900	50.4	175.4	11,200	160
170	44.8	169.5	9,000	46.0	168.2	9,300	46.9	165.5	9,500	170
180	41.2	158.5	7,600	42.3	157.2	7,900	43.1	154.2	8,000	180
190	37.2	146.0	6,400	38.3	144.5	6,600				190
200	32.9	131.4	5,200	33.9	129.7	5,400				200
210	27.9	113.8	4,200*							210



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

30 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
210 Ft. BOOM										
45	80.8	246.2	59,000*							45
50	79.6	245.3	58,800*	80.8	244.4	54,800*				50
55	78.3	244.3	58,100*	79.6	243.4	54,200*	80.9	241.4	47,400*	55
60	77.1	243.1	57,300*	78.4	242.2	52,700*	79.6	240.2	46,100*	60
65	75.9	241.9	52,900	77.1	241.0	49,800*	78.4	239.0	44,800*	65
70	74.7	240.5	47,400	75.9	239.6	47,200*	77.1	237.6	43,700*	70
75	73.5	239.0	42,700	74.7	238.1	43,700	75.9	236.1	41,500*	75
80	72.2	237.4	38,600	73.4	236.5	39,600	74.6	234.5	39,600*	80
85	71.0	235.7	35,100	72.2	234.8	36,000	73.4	232.7	36,900	85
90	69.7	233.8	32,100	70.9	232.9	32,900	72.1	230.8	33,700	90
100	67.1	229.8	26,900	68.3	228.8	27,600	69.5	226.7	28,300	100
110	64.5	225.1	22,800	65.7	224.2	23,400	66.9	222.0	24,000	110
120	61.9	220.0	19,400	63.0	219.0	20,000	64.2	216.8	20,500	120
130	59.1	214.2	16,600	60.3	213.2	17,100	61.4	210.9	17,500	130
140	56.3	207.7	14,200	57.5	206.7	14,600	58.5	204.3	15,000	140
150	53.4	200.5	12,100	54.5	199.4	12,500	55.5	197.0	12,800	150
160	50.4	192.5	10,300	51.5	191.3	10,600	52.5	188.8	10,900	160
170	47.2	183.5	8,700	48.3	182.3	9,000	49.2	179.6	9,300	170
180	43.8	173.5	7,300	44.9	172.2	7,600	45.8	169.4	7,800	180
190	40.3	162.2	6,100	41.3	160.8	6,300	42.1	157.7	6,500	190
200	36.4	149.2	5,000	37.4	147.8	5,100				200
210				33.1	132.6	4,100				210

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
 Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

30 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
220 Ft. BOOM										
50	80.0	255.5	58,300*							50
55	78.8	254.5	57,600*	80.0	253.6	53,800*				55
60	77.6	253.4	56,800*	78.8	252.5	53,300*	80.0	250.5	46,500*	60
65	76.5	252.2	52,400*	77.7	251.3	52,400*	78.9	249.3	45,300*	65
70	75.3	250.9	47,000	76.5	250.0	48,200*	77.7	248.0	44,100*	70
75	74.1	249.5	42,300	75.3	248.6	43,400	76.5	246.5	43,100*	75
80	72.9	247.9	38,300	74.1	247.0	39,300	75.3	245.0	40,200	80
85	71.7	246.3	34,800	72.9	245.4	35,700	74.1	243.3	36,600	85
90	70.5	244.5	31,700	71.7	243.6	32,500	72.8	241.5	33,400	90
100	68.1	240.6	26,500	69.3	239.7	27,300	70.4	237.6	28,000	100
110	65.6	236.2	22,400	66.8	235.3	23,100	67.9	233.1	23,700	110
120	63.1	231.3	19,000	64.2	230.3	19,600	65.3	228.1	20,100	120
130	60.5	225.8	16,200	61.6	224.8	16,700	62.7	222.5	17,200	130
140	57.8	219.7	13,800	58.9	218.7	14,200	60.0	216.3	14,600	140
150	55.1	212.9	11,700	56.2	211.8	12,100	57.2	209.4	12,500	150
160	52.2	205.4	9,900	53.3	204.3	10,200	54.3	201.8	10,600	160
170	49.3	197.0	8,300	50.3	195.9	8,600	51.3	193.3	8,900	170
180	46.2	187.8	6,900	47.2	186.6	7,200	48.1	183.8	7,400	180
190	42.9	177.4	5,700	43.9	176.1	5,900	44.7	173.2	6,100	190
200	39.4	165.7	4,500	40.4	164.3	4,700				200
230 Ft. BOOM										
50	80.4	265.7	57,700*							50
55	79.2	264.7	57,000*	80.4	263.8	53,300*				55
60	78.1	263.7	55,800*	79.3	262.8	52,800*	80.4	260.8	46,900*	60
65	77.0	262.5	50,900*	78.1	261.6	50,800*	79.3	259.6	45,700*	65
70	75.9	261.2	46,600*	77.0	260.3	46,700*	78.2	258.3	44,600*	70
75	74.7	259.9	42,000	75.9	259.0	43,100*	77.0	256.9	42,100*	75
80	73.6	258.4	37,900	74.7	257.5	39,000	75.9	255.4	38,900*	80
85	72.5	256.8	34,400	73.6	255.9	35,400	74.7	253.8	36,100*	85
90	71.3	255.1	31,300	72.4	254.2	32,200	73.5	252.1	33,100	90
100	69.0	251.4	26,200	70.1	250.5	27,000	71.2	248.4	27,700	100
110	66.6	247.2	22,100	67.7	246.3	22,700	68.8	244.1	23,400	110
120	64.2	242.5	18,700	65.3	241.5	19,200	66.3	239.3	19,800	120
130	61.7	237.3	15,800	62.8	236.3	16,300	63.8	234.0	16,800	130
140	59.2	231.5	13,400	60.3	230.5	13,900	61.3	228.2	14,300	140
150	56.6	225.1	11,300	57.7	224.0	11,700	58.6	221.6	12,100	150
160	53.9	218.0	9,500	55.0	216.9	9,900	55.9	214.5	10,200	160
170	51.2	210.2	7,900	52.2	209.0	8,300	53.1	206.5	8,600	170
180	48.3	201.5	6,500	49.3	200.3	6,800	50.1	197.7	7,100	180
190	45.2	191.9	5,300	46.2	190.7	5,600	47.1	187.9	5,800	190
200	42.0	181.2	4,000*	43.0	179.9	4,300*	43.8	176.9	4,500*	200



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

30 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
240 Ft. BOOM										
50	80.7	275.8	56,800*							50
55	79.6	274.9	56,200*	80.8	274.0	52,700*				55
60	78.6	273.9	53,500*	79.7	273.0	50,100*	80.8	271.0	45,100*	60
65	77.5	272.8	49,000*	78.6	271.9	47,600*	79.7	269.9	43,100*	65
70	76.4	271.6	45,100*	77.5	270.7	45,000*	78.6	268.6	41,200*	70
75	75.3	270.3	41,500*	76.4	269.4	41,700*	77.5	267.3	39,500*	75
80	74.2	268.8	37,600	75.3	267.9	38,500*	76.4	265.9	37,900*	80
85	73.1	267.3	34,100	74.2	266.4	35,100	75.3	264.3	36,000*	85
90	72.0	265.7	31,000	73.1	264.8	31,900	74.2	262.7	32,800	90
100	69.8	262.1	25,800	70.9	261.2	26,600	71.9	259.1	27,400	100
110	67.5	258.1	21,700	68.6	257.2	22,400	69.6	255.0	23,100	110
120	65.2	253.6	18,300	66.3	252.7	18,900	67.3	250.5	19,500	120
130	62.9	248.6	15,500	63.9	247.7	16,000	64.9	245.4	16,500	130
140	60.5	243.1	13,100	61.5	242.1	13,500	62.5	239.8	14,000	140
150	58.0	237.0	11,000	59.0	236.0	11,400	60.0	233.6	11,800	150
160	55.5	230.3	9,200	56.5	229.3	9,600	57.4	226.8	9,900	160
170	52.8	223.0	7,600	53.8	221.9	8,000	54.7	219.4	8,300	170
180	50.1	214.8	6,200	51.1	213.7	6,500	52.0	211.1	6,800	180
190	47.3	205.9	4,900	48.3	204.7	5,200	49.1	202.0	5,500	190
200				45.3	194.7	4,000*	46.1	191.9	4,300*	200

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

40 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
80 Ft. BOOM										
30	79.4	126.9	52,400*							30
35	77.0	125.6	50,700*	80.3	124.6	46,300*				35
40	74.6	124.2	49,200*	77.9	123.2	45,100*				40
45	72.1	122.5	47,800*	75.4	121.5	44,000*	78.7	119.2	36,300*	45
50	69.6	120.6	46,500*	72.8	119.5	42,900*	76.1	117.2	34,400*	50
55	67.0	118.4	45,200*	70.2	117.3	42,000*	73.5	115.0	32,700*	55
60	64.4	115.9	44,100*	67.6	114.8	41,100*	70.8	112.4	31,200*	60
65	61.7	113.2	43,100*	64.9	112.0	40,300*	68.0	109.6	29,900*	65
70	59.0	110.1	42,100*	62.1	108.9	39,600*	65.2	106.4	28,700*	70
75	56.1	106.7	41,200*	59.2	105.5	37,700*	62.2	102.9	27,600*	75
80	53.2	102.9	40,400*	56.2	101.6	35,800*	59.1	98.9	26,600*	80
85	50.1	98.6	39,700*	53.1	97.3	34,100*	55.9	94.5	25,700*	85
90	46.9	93.9	36,700	49.9	92.5	32,600*	52.5	89.5	25,000*	90
100	39.8	82.5	31,600	42.6	80.9	30,000*	45.0	77.4	23,700*	100
110	31.3	67.5	27,400	33.9	65.5	27,700				110
90 Ft. BOOM										
30	80.2	137.1	53,000*							30
35	78.0	136.0	51,400*							35
40	75.8	134.6	49,900*	78.8	133.6	45,500*				40
45	73.5	133.1	48,600*	76.5	132.0	44,500*	79.6	129.7	36,900*	45
50	71.2	131.3	47,300*	74.2	130.2	43,500*	77.3	127.9	35,100*	50
55	68.9	129.3	46,100*	71.9	128.2	42,600*	74.9	125.9	33,500*	55
60	66.5	127.1	45,000*	69.5	126.0	41,700*	72.4	123.5	32,000*	60
65	64.1	124.6	44,000*	67.0	123.4	40,900*	69.9	121.0	30,700*	65
70	61.6	121.8	43,000*	64.5	120.7	40,200*	67.4	118.1	29,500*	70
75	59.1	118.8	42,100*	61.9	117.6	39,500*	64.7	115.0	28,400*	75
80	56.4	115.4	41,300*	59.3	114.1	37,700*	62.0	111.5	27,500*	80
85	53.7	111.6	39,500	56.6	110.4	36,000*	59.2	107.6	26,600*	85
90	50.9	107.5	36,400	53.7	106.2	34,400*	56.3	103.3	25,800*	90
100	44.9	97.9	31,300	47.6	96.4	31,700*	50.0	93.2	24,400*	100
110	38.1	85.9	27,200	40.7	84.2	27,500				110
120	30.0	70.0	23,800	32.3	67.9	24,000				120



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

40 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
100 Ft. BOOM										
30	80.9	147.3	53,600*							30
35	78.9	146.2	52,100*							35
40	76.8	145.0	50,600*	79.6	143.9	45,900*				40
45	74.7	143.6	49,300*	77.5	142.5	44,900*	80.4	140.1	37,500*	45
50	72.6	141.9	48,100*	75.4	140.8	43,900*	78.2	138.5	35,800*	50
55	70.4	140.1	46,900*	73.2	139.0	43,100*	76.0	136.6	34,200*	55
60	68.3	138.0	45,800*	71.0	136.9	42,200*	73.8	134.5	32,800*	60
65	66.1	135.8	44,800*	68.8	134.6	41,500*	71.5	132.1	31,500*	65
70	63.8	133.2	43,900*	66.5	132.1	40,800*	69.2	129.5	30,300*	70
75	61.5	130.5	43,000*	64.2	129.3	40,100*	66.8	126.7	29,200*	75
80	59.1	127.4	42,100*	61.8	126.2	39,500*	64.4	123.5	28,300*	80
85	56.7	124.1	39,100	59.3	122.8	37,800*	61.9	120.1	27,400*	85
90	54.2	120.4	36,100	56.8	119.1	36,100*	59.3	116.3	26,600*	90
100	48.9	112.0	31,000	51.5	110.6	31,500	53.8	107.5	25,200*	100
110	43.2	101.8	26,800	45.6	100.2	27,200	47.7	96.8	24,000*	110
120	36.7	89.1	23,400	39.0	87.3	23,700				120
130	28.8	72.5	20,600							130
110 Ft. BOOM										
35	79.6	156.5	52,600*							35
40	77.7	155.3	51,200*	80.3	154.2	46,300*				40
45	75.7	154.0	49,900*	78.4	152.9	45,300*				45
50	73.8	152.5	48,700*	76.4	151.4	44,400*	79.1	148.9	36,400*	50
55	71.8	150.8	47,600*	74.4	149.6	43,500*	77.0	147.2	34,800*	55
60	69.8	148.9	46,500*	72.4	147.7	42,700*	75.0	145.3	33,400*	60
65	67.7	146.8	45,600*	70.3	145.6	42,000*	72.9	143.1	32,200*	65
70	65.7	144.5	44,600*	68.2	143.3	41,300*	70.7	140.7	31,000*	70
75	63.5	141.9	43,700*	66.1	140.7	40,600*	68.6	138.1	30,000*	75
80	61.4	139.1	42,400	63.9	137.9	40,000*	66.3	135.2	29,000*	80
85	59.2	136.1	38,900	61.7	134.8	39,500*	64.1	132.1	28,100*	85
90	56.9	132.8	35,800	59.4	131.5	36,500	61.7	128.7	27,300*	90
100	52.2	125.2	30,700	54.6	123.9	31,200	56.8	120.9	25,900*	100
110	47.2	116.3	26,600	49.5	114.8	27,000	51.6	111.5	24,700*	110
120	41.6	105.5	23,200	43.9	103.8	23,500	45.8	100.2	23,700*	120
130	35.3	92.2	20,300	37.5	90.2	20,600				130
140	27.8	74.8	17,900							140

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
 Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

40 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
120 Ft. BOOM										
35	80.3	166.7	53,100*							35
40	78.5	165.6	51,800*	80.9	164.5	46,600*				40
45	76.7	164.3	50,500*	79.1	163.2	45,600*				45
50	74.8	162.9	49,400*	77.3	161.8	44,800*	79.8	159.4	36,900*	50
55	73.0	161.4	48,300*	75.4	160.2	43,900*	77.9	157.7	35,400*	55
60	71.1	159.6	47,200*	73.5	158.4	43,200*	76.0	155.9	34,100*	60
65	69.2	157.6	46,300*	71.6	156.5	42,400*	74.0	153.9	32,800*	65
70	67.3	155.5	45,300*	69.7	154.3	41,700*	72.0	151.7	31,700*	70
75	65.3	153.1	44,500*	67.7	151.9	41,100*	70.0	149.3	30,700*	75
80	63.3	150.6	42,100	65.7	149.3	40,500*	68.0	146.7	29,700*	80
85	61.3	147.8	38,700	63.7	146.5	39,400	65.9	143.8	28,800*	85
90	59.2	144.8	35,600	61.6	143.5	36,300	63.8	140.7	28,000*	90
100	55.0	137.9	30,500	57.2	136.6	31,100	59.4	133.6	26,500*	100
110	50.4	129.9	26,400	52.7	128.4	26,800	54.7	125.3	25,300*	110
120	45.6	120.4	23,000	47.7	118.8	23,400	49.6	115.4	23,700	120
130	40.2	109.0	20,100	42.3	107.3	20,400	44.0	103.5	20,700	130
140	34.2	95.1	17,700	36.1	93.1	17,900				140
150	26.9	77.1	15,600							150
130 Ft. BOOM										
35	80.8	176.8	53,500*							35
40	79.2	175.8	52,300*							40
45	77.4	174.7	51,000*	79.8	173.5	46,000*				45
50	75.7	173.3	49,900*	78.0	172.2	45,100*	80.4	169.7	37,400*	50
55	74.0	171.9	48,900*	76.3	170.7	44,300*	78.6	168.2	35,900*	55
60	72.2	170.2	47,900*	74.5	169.0	43,600*	76.8	166.5	34,600*	60
65	70.5	168.4	46,900*	72.7	167.2	42,800*	75.0	164.6	33,400*	65
70	68.7	166.4	46,000*	70.9	165.2	42,200*	73.2	162.6	32,300*	70
75	66.9	164.2	45,100*	69.1	163.0	41,600*	71.3	160.3	31,300*	75
80	65.0	161.8	41,900	67.2	160.6	41,000*	69.4	157.9	30,300*	80
85	63.1	159.2	38,400	65.4	158.0	39,100	67.5	155.3	29,500*	85
90	61.2	156.4	35,300	63.4	155.2	36,000	65.6	152.4	28,600*	90
100	57.3	150.2	30,200	59.5	148.8	30,800	61.5	145.9	27,200*	100
110	53.2	142.9	26,100	55.3	141.4	26,600	57.3	138.4	25,900*	110
120	48.8	134.3	22,700	50.9	132.8	23,100	52.7	129.6	23,500	120
130	44.1	124.4	19,800	46.1	122.7	20,200	47.8	119.2	20,500	130
140	38.9	112.5	17,400	40.9	110.7	17,700				140
150	33.1	98.0	15,300	34.9	95.9	15,500				150
160	26.0	79.3	13,500							160



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

40 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
140 Ft. BOOM										
40	79.8	186.0	52,700*							40
45	78.1	185.0	51,500*	80.3	183.8	46,200*				45
50	76.5	183.7	50,400*	78.7	182.5	45,400*	81.0	180.0	37,800*	50
55	74.9	182.3	49,400*	77.1	181.1	44,700*	79.3	178.6	36,400*	55
60	73.2	180.8	48,400*	75.4	179.6	43,900*	77.6	177.0	35,200*	60
65	71.6	179.0	47,500*	73.7	177.9	43,200*	75.9	175.3	34,000*	65
70	69.9	177.2	46,600*	72.0	176.0	42,600*	74.2	173.4	32,900*	70
75	68.2	175.1	45,500	70.3	173.9	42,000*	72.5	171.3	31,900*	75
80	66.5	172.9	41,500	68.6	171.7	41,400*	70.7	169.0	30,900*	80
85	64.7	170.5	38,000	66.8	169.2	38,800	68.9	166.5	30,100*	85
90	63.0	167.9	34,900	65.1	166.6	35,700	67.1	163.9	29,300*	90
100	59.3	162.1	29,800	61.4	160.8	30,500	63.4	157.9	27,800*	100
110	55.5	155.4	25,700	57.6	154.0	26,200	59.5	151.0	26,500*	110
120	51.6	147.6	22,300	53.5	146.2	22,800	55.3	143.0	23,200	120
130	47.3	138.7	19,400	49.3	137.1	19,900	51.0	133.7	20,200	130
140	42.8	128.2	17,000	44.7	126.5	17,400	46.2	122.8	17,600	140
150	37.8	115.8	14,900	39.6	113.9	15,200				150
160	32.1	100.8	13,100	33.8	98.6	13,300				160
170	25.2	81.5	11,500							170
150 Ft. BOOM										
40	80.3	196.2	52,500*							40
45	78.8	195.2	51,600*	80.9	194.0	46,500*				45
50	77.2	194.0	50,700*	79.3	192.9	45,700*				50
55	75.7	192.7	49,900*	77.8	191.5	45,000*	79.9	189.0	36,900*	55
60	74.1	191.2	49,000*	76.2	190.1	44,300*	78.3	187.5	35,600*	60
65	72.6	189.6	48,100*	74.6	188.4	43,600*	76.7	185.8	34,500*	65
70	71.0	187.9	47,200*	73.0	186.7	43,000*	75.1	184.0	33,400*	70
75	69.4	185.9	45,200	71.4	184.7	42,400*	73.5	182.1	32,400*	75
80	67.8	183.9	41,200	69.8	182.6	41,800*	71.8	179.9	31,500*	80
85	66.2	181.6	37,700	68.2	180.3	38,600	70.1	177.6	30,600*	85
90	64.5	179.2	34,600	66.5	177.9	35,400	68.4	175.1	29,800*	90
100	61.1	173.8	29,500	63.1	172.4	30,200	65.0	169.6	28,400*	100
110	57.6	167.5	25,400	59.5	166.2	26,000	61.3	163.2	26,500	110
120	53.9	160.4	22,000	55.8	159.0	22,500	57.6	155.8	23,000	120
130	50.1	152.2	19,100	51.9	150.7	19,600	53.6	147.4	20,000	130
140	46.0	142.8	16,700	47.8	141.2	17,100	49.4	137.7	17,400	140
150	41.6	131.9	14,600	43.3	130.2	14,900	44.8	126.3	15,200	150
160	36.7	119.1	12,800	38.4	117.1	13,100				160
170	31.2	103.5	11,200	32.8	101.2	11,400				170
180	24.5	83.6	9,800							180

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
 Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

40 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
160 Ft. BOOM										
40	80.8	206.4	52,300*							40
45	79.3	205.4	51,400*							45
50	77.9	204.3	50,600*	79.9	203.1	46,000*				50
55	76.4	203.1	49,900*	78.4	201.9	45,300*	80.4	199.3	37,300*	55
60	75.0	201.7	49,100*	76.9	200.5	44,600*	78.9	197.9	36,100*	60
65	73.5	200.2	48,400*	75.4	198.9	43,900*	77.4	196.3	35,000*	65
70	72.0	198.5	47,700*	73.9	197.3	43,300*	75.9	194.6	33,900*	70
75	70.5	196.7	45,000	72.4	195.4	42,700*	74.3	192.8	32,900*	75
80	68.9	194.7	40,900	70.9	193.5	41,900	72.8	190.8	32,000*	80
85	67.4	192.6	37,400	69.3	191.3	38,300	71.2	188.6	31,200*	85
90	65.9	190.3	34,400	67.8	189.0	35,200	69.6	186.3	30,400*	90
100	62.7	185.2	29,200	64.5	183.9	29,900	66.4	181.1	28,900*	100
110	59.4	179.4	25,100	61.2	178.1	25,700	63.0	175.1	26,300	110
120	56.0	172.8	21,700	57.8	171.4	22,200	59.5	168.3	22,700	120
130	52.4	165.3	18,900	54.2	163.8	19,300	55.9	160.6	19,800	130
140	48.7	156.7	16,400	50.5	155.1	16,800	52.0	151.7	17,200	140
150	44.7	146.9	14,400	46.5	145.2	14,700	47.9	141.5	15,000	150
160	40.5	135.5	12,500	42.1	133.7	12,800	43.4	129.7	13,100	160
170	35.7	122.2	10,900	37.3	120.2	11,200				170
180	30.4	106.1	9,500	31.8	103.8	9,700				180
190	23.9	85.6	8,200							190



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

40 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
170 Ft. BOOM										
45	79.8	215.6	51,200*							45
50	78.5	214.6	50,500*	80.4	213.4	46,200*				50
55	77.1	213.4	49,700*	79.0	212.2	45,500*	80.9	209.6	37,700*	55
60	75.7	212.1	49,000*	77.6	210.9	44,900*	79.5	208.2	36,500*	60
65	74.3	210.6	48,300*	76.1	209.4	44,200*	78.0	206.8	35,400*	65
70	72.9	209.0	47,600*	74.7	207.8	43,600*	76.6	205.2	34,400*	70
75	71.4	207.3	44,600	73.3	206.1	43,000*	75.1	203.4	33,400*	75
80	70.0	205.5	40,600	71.8	204.2	41,600*	73.7	201.5	32,500*	80
85	68.5	203.5	37,100	70.4	202.2	38,100	72.2	199.5	31,700*	85
90	67.1	201.3	34,000	68.9	200.0	34,900	70.7	197.3	30,900*	90
100	64.1	196.5	28,900	65.9	195.2	29,700	67.6	192.4	29,400*	100
110	61.0	191.1	24,800	62.8	189.7	25,400	64.5	186.8	26,100	110
120	57.8	184.9	21,400	59.6	183.5	21,900	61.2	180.5	22,500	120
130	54.5	177.9	18,500	56.2	176.4	19,000	57.8	173.3	19,500	130
140	51.1	170.0	16,100	52.8	168.5	16,500	54.3	165.1	16,900	140
150	47.5	161.0	14,000	49.1	159.4	14,400	50.5	155.9	14,700	150
160	43.6	150.8	12,200	45.2	149.1	12,500	46.5	145.3	12,800	160
170	39.4	139.1	10,600	41.0	137.2	10,900				170
180	34.8	125.3	9,200	36.3	123.2	9,400				180
190	29.6	108.7	7,900							190
200	23.3	87.6	6,800							200

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
 Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

40 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
180 Ft. BOOM										
45	80.3	225.8	50,900*							45
50	79.0	224.8	50,200*	80.8	223.6	46,400*				50
55	77.7	223.7	49,500*	79.5	222.5	45,800*				55
60	76.3	222.4	48,800*	78.1	221.2	45,100*	80.0	218.6	36,900*	60
65	75.0	221.1	48,200*	76.8	219.8	44,500*	78.6	217.2	35,800*	65
70	73.7	219.5	47,500*	75.4	218.3	43,900*	77.2	215.6	34,800*	70
75	72.3	217.9	44,300	74.1	216.7	43,400*	75.8	214.0	33,900*	75
80	70.9	216.1	40,300	72.7	214.9	41,100*	74.4	212.2	33,000*	80
85	69.6	214.2	36,700	71.3	213.0	37,700	73.0	210.2	32,100*	85
90	68.2	212.2	33,700	69.9	210.9	34,600	71.6	208.2	31,400*	90
100	65.3	207.7	28,500	67.1	206.4	29,300	68.7	203.5	29,500*	100
110	62.4	202.5	24,400	64.1	201.2	25,100	65.8	198.3	25,700	110
120	59.4	196.7	21,000	61.1	195.4	21,600	62.7	192.4	22,200	120
130	56.4	190.2	18,100	58.0	188.8	18,700	59.6	185.7	19,200	130
140	53.2	182.9	15,700	54.8	181.4	16,200	56.3	178.1	16,600	140
150	49.8	174.6	13,600	51.4	173.0	14,000	52.8	169.6	14,400	150
160	46.3	165.2	11,800	47.9	163.6	12,200	49.2	160.0	12,500	160
170	42.5	154.7	10,200	44.1	152.9	10,500	45.3	149.0	10,800	170
180	38.5	142.5	8,800	39.9	140.5	9,100				180
190	34.0	128.3	7,500	35.4	126.1	7,700				190
200	28.9	111.2	6,400							200
210	22.7	89.5	5,300							210



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

40 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
190 Ft. BOOM										
45	80.7	236.0	50,500*							45
50	79.5	235.0	49,800*							50
55	78.2	233.9	49,200*	79.9	232.7	46,000*				55
60	76.9	232.8	48,500*	78.7	231.5	45,300*	80.4	228.9	37,300*	60
65	75.7	231.4	47,800*	77.4	230.2	44,700*	79.1	227.5	36,200*	65
70	74.4	230.0	47,200*	76.1	228.8	44,100*	77.8	226.1	35,200*	70
75	73.1	228.4	43,800	74.8	227.2	43,600*	76.5	224.5	34,300*	75
80	71.8	226.8	39,800	73.5	225.5	40,900	75.2	222.8	33,400*	80
85	70.5	225.0	36,200	72.2	223.7	37,300	73.8	220.9	32,600*	85
90	69.2	223.0	33,200	70.8	221.7	34,100	72.5	219.0	31,800*	90
100	66.5	218.7	28,000	68.1	217.4	28,800	69.7	214.6	29,300*	100
110	63.7	213.9	23,800	65.4	212.5	24,600	66.9	209.6	25,300	110
120	60.9	208.4	20,400	62.5	207.0	21,100	64.1	204.0	21,700	120
130	58.0	202.2	17,600	59.6	200.8	18,200	61.1	197.7	18,700	130
140	55.0	195.4	15,200	56.6	193.9	15,700	58.0	190.7	16,100	140
150	51.9	187.7	13,100	53.5	186.1	13,500	54.8	182.8	13,900	150
160	48.6	179.0	11,300	50.2	177.4	11,700	51.5	173.9	12,000	160
170	45.2	169.4	9,700	46.7	167.7	10,000	47.9	163.9	10,300	170
180	41.5	158.4	8,300	43.0	156.6	8,600	44.1	152.5	8,800	180
190	37.6	145.8	7,000	39.0	143.8	7,200				190
200	33.2	131.2	5,900	34.5	129.0	6,100				200
210	28.2	113.7	4,800							210

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
 Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

40 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
200 Ft. BOOM										
50	79.9	245.2	49,500*							50
55	78.7	244.2	48,800*	80.4	243.0	45,900*				55
60	77.5	243.0	48,200*	79.1	241.8	45,400*	80.8	239.2	37,600*	60
65	76.3	241.8	47,600*	77.9	240.6	45,000*	79.6	237.9	36,600*	65
70	75.0	240.4	47,000*	76.7	239.2	44,500*	78.3	236.5	35,600*	70
75	73.8	238.9	43,500	75.4	237.7	43,300*	77.1	235.0	34,700*	75
80	72.6	237.3	39,500	74.2	236.1	40,100*	75.8	233.3	33,800*	80
85	71.3	235.6	35,900	72.9	234.3	37,000*	74.5	231.6	33,000*	85
90	70.1	233.8	32,900	71.7	232.5	33,900	73.3	229.7	32,200*	90
100	67.5	229.7	27,700	69.1	228.4	28,600	70.7	225.5	28,400*	100
110	64.9	225.1	23,500	66.5	223.7	24,300	68.0	220.8	24,900*	110
120	62.2	219.9	20,100	63.8	218.5	20,800	65.3	215.5	21,500	120
130	59.5	214.1	17,300	61.0	212.7	17,900	62.5	209.6	18,400	130
140	56.7	207.6	14,800	58.2	206.1	15,400	59.6	203.0	15,900	140
150	53.8	200.4	12,800	55.3	198.9	13,200	56.6	195.6	13,700	150
160	50.7	192.4	10,900	52.2	190.8	11,400	53.5	187.4	11,700	160
170	47.5	183.4	9,400	49.0	181.8	9,700	50.2	178.2	10,000	170
180	44.2	173.4	7,900	45.6	171.6	8,300	46.8	167.8	8,500	180
190	40.6	162.0	6,700	42.0	160.1	7,000				190
200	36.7	149.1	5,500	38.1	147.0	5,800				200
210	32.5	134.0	4,500	33.7	131.7	4,700				210



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

40 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
210 Ft. BOOM										
50	80.3	255.4	48,900*							50
55	79.2	254.4	48,300*	80.8	253.2	45,400*				55
60	78.0	253.3	47,700*	79.6	252.1	44,900*				60
65	76.8	252.1	47,100*	78.4	250.9	44,400*	80.0	248.2	36,900*	65
70	75.7	250.8	46,500*	77.2	249.6	43,000*	78.8	246.8	35,900*	70
75	74.5	249.4	43,200	76.0	248.1	41,000*	77.6	245.4	35,000*	75
80	73.3	247.8	39,200	74.8	246.6	39,100*	76.4	243.8	34,200*	80
85	72.1	246.2	35,600	73.6	244.9	36,800	75.2	242.2	33,400*	85
90	70.9	244.4	32,500	72.4	243.1	33,600	74.0	240.4	32,700*	90
100	68.4	240.5	27,400	70.0	239.2	28,300	71.5	236.4	29,200	100
110	66.0	236.1	23,200	67.5	234.8	24,000	69.0	231.9	24,800	110
120	63.4	231.2	19,800	64.9	229.8	20,500	66.4	226.9	21,200	120
130	60.8	225.7	17,000	62.3	224.3	17,600	63.7	221.3	18,200	130
140	58.2	219.6	14,500	59.6	218.2	15,100	61.0	215.0	15,600	140
150	55.4	212.8	12,500	56.9	211.3	13,000	58.2	208.1	13,400	150
160	52.6	205.3	10,600	54.0	203.7	11,100	55.3	200.4	11,500	160
170	49.6	196.9	9,100	51.0	195.3	9,500	52.2	191.8	9,800	170
180	46.5	187.7	7,600	47.9	186.0	8,000	49.1	182.3	8,300	180
190	43.2	177.3	6,400	44.6	175.5	6,700	45.7	171.6	6,900	190
200	39.8	165.6	5,300	41.1	163.7	5,500				200
210	36.0	152.3	4,200	37.2	150.2	4,500				210

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
 Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

40 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
220 Ft. BOOM										
50	80.7	265.6	48,400*							50
55	79.6	264.6	47,900*							55
60	78.5	263.6	47,300*	80.0	262.3	44,600*				60
65	77.3	262.4	46,700*	78.9	261.2	44,100*	80.4	258.5	37,200*	65
70	76.2	261.2	46,200*	77.7	259.9	43,700*	79.3	257.2	36,300*	70
75	75.1	259.8	42,900	76.6	258.5	43,200*	78.1	255.8	35,400*	75
80	73.9	258.3	38,800	75.4	257.0	40,100	77.0	254.3	34,600*	80
85	72.8	256.7	35,300	74.3	255.5	36,500	75.8	252.7	33,800*	85
90	71.6	255.0	32,200	73.1	253.8	33,300	74.6	251.0	33,000*	90
100	69.3	251.3	27,000	70.8	250.0	28,000	72.2	247.2	28,900	100
110	66.9	247.1	22,800	68.4	245.8	23,700	69.8	242.9	24,500	110
120	64.5	242.4	19,400	66.0	241.1	20,200	67.4	238.1	20,900	120
130	62.1	237.2	16,600	63.5	235.8	17,200	64.9	232.8	17,900	130
140	59.5	231.4	14,100	61.0	230.0	14,700	62.3	226.9	15,300	140
150	56.9	225.0	12,000	58.3	223.5	12,600	59.6	220.3	13,100	150
160	54.3	217.9	10,200	55.6	216.4	10,700	56.9	213.1	11,100	160
170	51.5	210.1	8,600	52.8	208.5	9,100	54.0	205.1	9,400	170
180	48.6	201.4	7,200	49.9	199.8	7,600	51.1	196.2	7,900	180
190	45.6	191.8	6,000	46.9	190.1	6,300	48.0	186.3	6,600	190
200	42.4	181.1	4,800	43.6	179.3	5,100	44.7	175.2	5,400	200
210				40.2	167.1	4,100				210
230 Ft. BOOM										
55	80.0	274.8	47,400*							55
60	78.9	273.8	46,800*	80.4	272.5	44,200*				60
65	77.8	272.7	46,300*	79.3	271.4	43,800*	80.8	268.7	37,500*	65
70	76.7	271.5	45,800*	78.2	270.2	43,400*	79.7	267.5	36,600*	70
75	75.6	270.2	42,500	77.1	268.9	42,700*	78.6	266.2	35,700*	75
80	74.6	268.8	38,500	76.0	267.5	39,600*	77.5	264.7	34,900*	80
85	73.5	267.2	34,900	74.9	266.0	36,200	76.3	263.2	34,100*	85
90	72.3	265.6	31,800	73.8	264.3	33,000	75.2	261.5	32,700*	90
100	70.1	262.0	26,600	71.5	260.7	27,600	72.9	257.9	28,300*	100
110	67.8	258.0	22,500	69.3	256.7	23,300	70.6	253.8	24,200	110
120	65.5	253.5	19,000	66.9	252.2	19,800	68.3	249.2	20,600	120
130	63.2	248.5	16,200	64.6	247.2	16,900	65.9	244.2	17,500	130
140	60.8	243.0	13,800	62.1	241.6	14,400	63.4	238.5	15,000	140
150	58.3	236.9	11,700	59.7	235.5	12,200	60.9	232.3	12,700	150
160	55.8	230.2	9,900	57.1	228.7	10,400	58.3	225.5	10,800	160
170	53.2	222.8	8,300	54.5	221.3	8,700	55.7	217.9	9,100	170
180	50.4	214.7	6,900	51.8	213.1	7,300	52.9	209.6	7,600	180
190	47.6	205.8	5,600	48.9	204.1	6,000	50.0	200.4	6,300	190
200	44.7	195.9	4,300*	45.9	194.1	4,700*	46.9	190.2	5,000*	200



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

50 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
80 Ft. BOOM										
30	80.6	137.1	43,300*							30
35	78.4	135.9	42,000*							35
40	76.2	134.6	40,700*	80.0	133.5	37,300*				40
45	73.9	133.1	39,500*	77.7	131.9	36,400*				45
50	71.6	131.3	38,400*	75.4	130.1	35,500*	79.3	127.5	30,900*	50
55	69.3	129.3	37,400*	73.0	128.1	34,700*	76.9	125.5	29,200*	55
60	66.9	127.1	36,500*	70.6	125.9	33,900*	74.4	123.2	27,700*	60
65	64.5	124.6	35,600*	68.2	123.3	33,200*	71.9	120.6	26,300*	65
70	62.0	121.8	34,800*	65.7	120.5	32,500*	69.4	117.7	25,100*	70
75	59.4	118.7	34,000*	63.1	117.4	31,500*	66.7	114.6	24,000*	75
80	56.8	115.4	33,300*	60.4	114.0	29,900*	64.0	111.0	23,000*	80
85	54.1	111.6	32,600*	57.7	110.2	28,400*	61.2	107.1	22,100*	85
90	51.3	107.5	31,900*	54.9	106.1	27,100*	58.2	102.8	21,300*	90
100	45.3	97.9	29,800*	48.7	96.3	24,800*	51.9	92.7	19,900*	100
110	38.5	85.9	27,000*	41.8	84.0	23,000*	44.6	79.8	18,900*	110
120	30.4	70.0	24,500	33.4	67.7	21,500*				120
90 Ft. Boom										
35	79.2	146.2	42,400*							35
40	77.2	145.0	41,300*	80.7	143.8	37,600*				40
45	75.1	143.6	40,100*	78.6	142.4	36,700*				45
50	72.9	141.9	39,100*	76.5	140.7	35,900*	80.1	138.1	31,600*	50
55	70.8	140.1	38,100*	74.3	138.9	35,100*	77.9	136.2	29,900*	55
60	68.6	138.0	37,200*	72.1	136.8	34,400*	75.7	134.0	28,400*	60
65	66.4	135.8	36,300*	69.9	134.5	33,700*	73.4	131.7	27,000*	65
70	64.1	133.2	35,500*	67.6	131.9	33,000*	71.0	129.1	25,800*	70
75	61.8	130.5	34,700*	65.2	129.1	32,400*	68.6	126.2	24,800*	75
80	59.5	127.4	34,000*	62.9	126.1	31,400*	66.2	123.0	23,800*	80
85	57.1	124.1	33,300*	60.4	122.7	29,900*	63.7	119.6	22,900*	85
90	54.6	120.4	32,700*	57.9	119.0	28,500*	61.1	115.8	22,100*	90
100	49.3	112.0	31,500*	52.5	110.4	26,100*	55.6	106.9	20,700*	100
110	43.5	101.8	27,600	46.7	100.0	24,200*	49.5	96.1	19,500*	110
120	37.0	89.1	24,200	40.0	87.0	22,600*				120
130	29.2	72.5	21,300	31.9	69.9	21,300*				130

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

50 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
100 Ft. BOOM										
35	80.0	156.4	42,900*							35
40	78.0	155.3	41,800*							40
45	76.1	154.0	40,700*	79.4	152.7	37,100*				45
50	74.1	152.5	39,600*	77.4	151.2	36,300*	80.8	148.5	32,100*	50
55	72.1	150.8	38,700*	75.4	149.5	35,500*	78.8	146.7	30,500*	55
60	70.1	148.9	37,800*	73.4	147.6	34,800*	76.7	144.8	29,000*	60
65	68.1	146.8	36,900*	71.3	145.5	34,100*	74.6	142.6	27,700*	65
70	66.0	144.4	36,100*	69.2	143.1	33,500*	72.4	140.2	26,500*	70
75	63.9	141.9	35,400*	67.1	140.6	32,900*	70.3	137.6	25,500*	75
80	61.7	139.1	34,700*	64.9	137.7	32,300*	68.0	134.7	24,500*	80
85	59.5	136.1	34,000*	62.7	134.7	31,200*	65.8	131.6	23,600*	85
90	57.3	132.8	33,300*	60.4	131.3	29,800*	63.4	128.1	22,800*	90
100	52.5	125.2	31,400	55.6	123.7	27,400*	58.5	120.3	21,400*	100
110	47.5	116.3	27,200	50.5	114.6	25,400*	53.2	110.9	20,200*	110
120	41.9	105.5	23,800	44.8	103.6	23,700*	47.3	99.5	19,200*	120
130	35.7	92.1	21,000	38.4	90.0	21,300				130
140	28.1	74.8	18,500							140
110 Ft. BOOM										
35	80.6	166.6	43,300*							35
40	78.8	165.6	42,200*							40
45	77.0	164.3	41,200*	80.1	163.1	37,300*				45
50	75.1	162.9	40,200*	78.2	161.7	36,600*				50
55	73.3	161.3	39,200*	76.3	160.1	35,800*	79.5	157.2	31,100*	55
60	71.4	159.6	38,400*	74.4	158.3	35,200*	77.6	155.4	29,600*	60
65	69.5	157.6	37,500*	72.5	156.3	34,500*	75.6	153.4	28,400*	65
70	67.6	155.5	36,700*	70.6	154.1	33,900*	73.7	151.2	27,200*	70
75	65.6	153.1	36,000*	68.6	151.8	33,300*	71.6	148.8	26,100*	75
80	63.6	150.6	35,300*	66.6	149.2	32,800*	69.6	146.1	25,200*	80
85	61.6	147.8	34,600*	64.6	146.4	32,200*	67.5	143.2	24,300*	85
90	59.5	144.7	34,000*	62.5	143.3	31,100*	65.4	140.1	23,500*	90
100	55.3	137.9	31,100	58.2	136.4	28,600*	60.9	133.0	22,000*	100
110	50.7	129.9	27,000	53.6	128.2	26,500*	56.2	124.6	20,800*	110
120	45.9	120.4	23,600	48.6	118.6	24,000	51.1	114.7	19,800*	120
130	40.5	109.0	20,700	43.2	107.1	21,100	45.4	102.7	18,900*	130
140	34.5	95.1	18,300	37.0	92.8	18,600				140
150	27.2	77.1	16,200							150



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

50 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
120 Ft. BOOM										
40	79.4	175.8	42,600*							40
45	77.7	174.7	41,600*	80.7	173.4	37,600*				45
50	76.0	173.3	40,600*	78.9	172.0	36,900*				50
55	74.3	171.8	39,700*	77.2	170.5	36,200*	80.2	167.7	31,600*	55
60	72.5	170.2	38,900*	75.4	168.9	35,500*	78.4	166.0	30,200*	60
65	70.8	168.4	38,100*	73.6	167.0	34,900*	76.5	164.1	28,900*	65
70	69.0	166.4	37,300*	71.8	165.0	34,300*	74.7	162.0	27,800*	70
75	67.1	164.2	36,600*	70.0	162.8	33,700*	72.8	159.8	26,700*	75
80	65.3	161.8	35,900*	68.1	160.4	33,200*	70.9	157.3	25,800*	80
85	63.4	159.2	35,200*	66.2	157.8	32,600*	69.0	154.7	24,900*	85
90	61.5	156.4	34,600*	64.3	155.0	32,200*	67.0	151.8	24,100*	90
100	57.6	150.1	30,800	60.3	148.6	29,800*	63.0	145.3	22,600*	100
110	53.5	142.8	26,700	56.2	141.2	27,300	58.7	137.7	21,400*	110
120	49.1	134.3	23,300	51.7	132.6	23,800	54.1	128.8	20,400*	120
130	44.4	124.3	20,500	47.0	122.5	20,900	49.2	118.4	19,500*	130
140	39.2	112.5	18,000	41.7	110.4	18,400	43.7	105.8	18,700*	140
150	33.4	98.0	15,900	35.7	95.6	16,200				150
160	26.3	79.3	14,100							160
130 Ft. BOOM										
40	80.0	186.0	43,000*							40
45	78.4	184.9	42,000*							45
50	76.8	183.7	41,100*	79.6	182.4	37,100*				50
55	75.2	182.3	40,200*	77.9	181.0	36,400*	80.7	178.0	32,100*	55
60	73.5	180.7	39,400*	76.2	179.4	35,800*	79.1	176.4	30,700*	60
65	71.9	179.0	38,600*	74.6	177.7	35,200*	77.3	174.7	29,500*	65
70	70.2	177.2	37,800*	72.9	175.8	34,600*	75.6	172.8	28,300*	70
75	68.5	175.1	37,100*	71.2	173.7	34,000*	73.9	170.7	27,300*	75
80	66.8	172.9	36,400*	69.4	171.5	33,500*	72.1	168.4	26,400*	80
85	65.0	170.5	35,800*	67.7	169.0	33,000*	70.3	165.9	25,500*	85
90	63.2	167.9	35,200*	65.9	166.4	32,600*	68.5	163.2	24,700*	90
100	59.6	162.1	30,500	62.2	160.6	30,900*	64.7	157.2	23,200*	100
110	55.8	155.3	26,400	58.4	153.8	27,100	60.8	150.3	22,000*	110
120	51.8	147.6	23,000	54.4	145.9	23,600	56.7	142.2	20,900*	120
130	47.6	138.6	20,200	50.1	136.9	20,600	52.3	132.9	20,000*	130
140	43.1	128.2	17,700	45.5	126.2	18,100	47.5	121.9	18,500	140
150	38.0	115.8	15,700	40.4	113.7	16,000				150
160	32.4	100.8	13,800	34.5	98.3	14,100				160
170	25.5	81.4	12,200							170

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

50 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
140 Ft. BOOM										
40	80.6	196.2	43,300*							40
45	79.0	195.2	42,400*							45
50	77.5	194.0	41,500*	80.1	192.7	37,300*				50
55	76.0	192.7	40,600*	78.6	191.3	36,700*				55
60	74.4	191.2	39,800*	77.0	189.9	36,100*	79.7	186.9	31,200*	60
65	72.8	189.6	39,000*	75.4	188.2	35,500*	78.1	185.2	30,000*	65
70	71.3	187.8	38,300*	73.8	186.5	34,900*	76.4	183.4	28,900*	70
75	69.7	185.9	37,600*	72.2	184.5	34,400*	74.8	181.4	27,800*	75
80	68.0	183.8	36,900*	70.6	182.4	33,900*	73.1	179.3	26,900*	80
85	66.4	181.6	36,300*	68.9	180.1	33,400*	71.5	177.0	26,000*	85
90	64.8	179.2	35,300	67.3	177.7	32,900*	69.8	174.5	25,200*	90
100	61.4	173.7	30,100	63.8	172.2	31,000	66.3	168.9	23,800*	100
110	57.8	167.5	26,000	60.3	165.9	26,700	62.6	162.5	22,500*	110
120	54.2	160.4	22,600	56.6	158.7	23,200	58.9	155.1	21,400*	120
130	50.3	152.2	19,800	52.7	150.5	20,300	54.9	146.6	20,500*	130
140	46.2	142.8	17,300	48.6	140.9	17,800	50.6	136.8	18,200	140
150	41.8	131.9	15,300	44.1	129.9	15,600	46.0	125.4	15,900	150
160	37.0	119.1	13,400	39.1	116.8	13,700				160
170	31.4	103.5	11,800	33.5	100.8	12,100				170
180	24.8	83.5	10,400							180



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

50 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
150 Ft. BOOM										
40	81.0	206.4	43,600*							40
45	79.6	205.4	42,700*							45
50	78.1	204.3	41,800*	80.6	202.9	37,600*				50
55	76.7	203.0	41,000*	79.1	201.7	36,900*				55
60	75.2	201.7	40,200*	77.7	200.3	36,300*	80.2	197.3	31,600*	60
65	73.7	200.1	39,500*	76.2	198.7	35,700*	78.7	195.7	30,400*	65
70	72.2	198.5	38,700*	74.7	197.1	35,200*	77.2	194.0	29,300*	70
75	70.7	196.7	38,000*	73.1	195.2	34,700*	75.6	192.1	28,300*	75
80	69.2	194.7	37,400*	71.6	193.3	34,200*	74.0	190.1	27,400*	80
85	67.7	192.6	36,800*	70.1	191.1	33,700*	72.5	187.9	26,500*	85
90	66.1	190.3	35,000	68.5	188.8	33,200*	70.9	185.6	25,700*	90
100	62.9	185.2	29,800	65.3	183.7	30,700	67.6	180.4	24,300*	100
110	59.6	179.4	25,700	62.0	177.8	26,400	64.2	174.4	23,000*	110
120	56.2	172.8	22,300	58.5	171.1	22,900	60.7	167.6	22,000*	120
130	52.7	165.2	19,400	55.0	163.5	20,000	57.1	159.8	20,500	130
140	49.0	156.7	17,000	51.2	154.9	17,500	53.2	150.9	17,900	140
150	45.0	146.9	14,900	47.2	144.9	15,300	49.0	140.6	15,700	150
160	40.7	135.5	13,100	42.8	133.4	13,500	44.5	128.7	13,700	160
170	36.0	122.2	11,500	38.0	119.8	11,800				170
180	30.6	106.1	10,100	32.5	103.4	10,300				180
190	24.1	85.5	8,800							190

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**Meets
ANSI B30.5
Requirements**777 SERIES 2****Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78****142,000 Lb. Crane Counterweight****44,000 Lb. Carbody Counterweight****360 Degree Rating****50 Ft. Jib**

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
160 Ft. BOOM										
45	80.1	215.6	43,000*							45
50	78.7	214.6	42,200*							50
55	77.3	213.4	41,400*	79.7	212.0	37,100*				55
60	75.9	212.1	40,600*	78.3	210.7	36,600*	80.7	207.6	32,000*	60
65	74.5	210.6	39,900*	76.9	209.2	36,000*	79.3	206.1	30,800*	65
70	73.1	209.0	39,200*	75.4	207.6	35,500*	77.8	204.5	29,800*	70
75	71.7	207.3	38,500*	74.0	205.9	35,000*	76.3	202.7	28,800*	75
80	70.2	205.4	37,800*	72.5	204.0	34,500*	74.9	200.8	27,900*	80
85	68.8	203.4	37,200*	71.1	202.0	34,000*	73.4	198.8	27,000*	85
90	67.3	201.3	34,700	69.6	199.8	33,600*	71.9	196.6	26,200*	90
100	64.3	196.5	29,500	66.6	195.0	30,400	68.8	191.7	24,800*	100
110	61.2	191.0	25,400	63.5	189.5	26,200	65.6	186.1	23,500*	110
120	58.1	184.9	22,000	60.3	183.3	22,700	62.4	179.7	22,400*	120
130	54.8	177.9	19,100	56.9	176.2	19,700	59.0	172.5	20,300	130
140	51.3	170.0	16,700	53.5	168.2	17,200	55.4	164.3	17,700	140
150	47.7	161.0	14,600	49.8	159.1	15,100	51.6	155.0	15,500	150
160	43.8	150.8	12,800	45.9	148.8	13,200	47.6	144.4	13,500	160
170	39.7	139.0	11,200	41.6	136.8	11,600	43.2	132.0	11,800	170
180	35.1	125.3	9,800	37.0	122.8	10,100				180
190	29.8	108.7	8,500	31.6	105.8	8,700				190
200	23.5	87.5	7,400							200



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

50 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
170 Ft. BOOM										
45	80.5	225.8	43,300*							45
50	79.2	224.8	42,500*							50
55	77.9	223.7	41,700*	80.2	222.3	37,300*				55
60	76.6	222.4	41,000*	78.8	221.0	36,800*				60
65	75.2	221.0	40,200*	77.5	219.6	36,200*	79.8	216.5	31,200*	65
70	73.9	219.5	39,600*	76.1	218.1	35,700*	78.4	215.0	30,200*	70
75	72.5	217.9	38,900*	74.7	216.5	35,200*	77.0	213.3	29,200*	75
80	71.2	216.1	38,300*	73.4	214.7	34,700*	75.6	211.5	28,300*	80
85	69.8	214.2	37,400	72.0	212.8	34,300*	74.2	209.5	27,500*	85
90	68.4	212.2	34,400	70.6	210.7	33,800*	72.8	207.4	26,700*	90
100	65.6	207.7	29,200	67.7	206.1	30,100	69.9	202.8	25,300*	100
110	62.7	202.5	25,100	64.8	201.0	25,900	66.9	197.5	24,000*	110
120	59.7	196.7	21,600	61.8	195.1	22,400	63.8	191.6	22,900*	120
130	56.6	190.2	18,800	58.7	188.5	19,400	60.7	184.9	20,000	130
140	53.4	182.8	16,400	55.5	181.1	16,900	57.4	177.3	17,500	140
150	50.0	174.6	14,300	52.1	172.7	14,800	53.9	168.7	15,200	150
160	46.5	165.2	12,500	48.5	163.3	12,900	50.2	159.0	13,300	160
170	42.8	154.6	10,900	44.7	152.6	11,300	46.3	148.0	11,600	170
180	38.7	142.5	9,500	40.6	140.2	9,800				180
190	34.2	128.3	8,200	36.0	125.7	8,500				190
200	29.1	111.2	7,100							200
210	22.9	89.4	6,000							210

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

50 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
180 Ft. BOOM										
45	80.9	236.0	43,000*							45
50	79.7	235.0	42,400*							50
55	78.4	233.9	41,800*	80.6	232.5	37,500*				55
60	77.2	232.7	41,200*	79.3	231.3	37,000*				60
65	75.9	231.4	40,600*	78.0	230.0	36,500*	80.2	226.8	31,600*	65
70	74.6	230.0	39,900*	76.7	228.5	35,900*	78.9	225.4	30,600*	70
75	73.3	228.4	39,300*	75.4	227.0	35,500*	77.6	223.8	29,600*	75
80	72.0	226.7	38,700*	74.1	225.3	35,000*	76.3	222.1	28,700*	80
85	70.7	224.9	37,100	72.8	223.5	34,500*	74.9	220.2	27,900*	85
90	69.4	223.0	34,000	71.5	221.5	34,100*	73.6	218.2	27,100*	90
100	66.7	218.7	28,800	68.8	217.2	29,800	70.8	213.8	25,700*	100
110	63.9	213.8	24,700	66.0	212.3	25,500	68.0	208.9	24,500*	110
120	61.1	208.4	21,300	63.2	206.8	22,000	65.1	203.3	22,400*	120
130	58.2	202.2	18,400	60.2	200.6	19,100	62.2	196.9	19,700	130
140	55.2	195.3	16,000	57.2	193.6	16,600	59.1	189.9	17,100	140
150	52.1	187.6	13,900	54.1	185.9	14,400	55.9	181.9	14,900	150
160	48.9	179.0	12,100	50.8	177.1	12,500	52.5	173.0	13,000	160
170	45.4	169.3	10,500	47.3	167.3	10,900	48.9	162.9	11,200	170
180	41.8	158.4	9,100	43.6	156.2	9,400	45.1	151.5	9,700	180
190	37.8	145.8	7,800	39.6	143.5	8,100				190
200	33.4	131.2	6,700	35.1	128.5	6,900				200
210	28.4	113.6	5,600							210
220	22.4	91.3	4,600							220



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

50 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
190 Ft. BOOM										
50	80.1	245.2	42,100*							50
55	78.9	244.2	41,500*	81.0	242.7	37,700*				55
60	77.7	243.0	40,900*	79.8	241.6	37,200*				60
65	76.5	241.8	40,400*	78.5	240.3	36,600*	80.7	237.2	32,000*	65
70	75.3	240.4	39,800*	77.3	238.9	36,100*	79.4	235.8	31,000*	70
75	74.0	238.9	39,300*	76.1	237.4	35,700*	78.1	234.2	30,000*	75
80	72.8	237.3	38,800*	74.8	235.8	35,200*	76.9	232.6	29,100*	80
85	71.5	235.6	36,600	73.6	234.1	34,800*	75.6	230.8	28,300*	85
90	70.3	233.7	33,500	72.3	232.2	34,300*	74.3	229.0	27,500*	90
100	67.7	229.6	28,300	69.7	228.1	29,400	71.7	224.8	26,100*	100
110	65.1	225.0	24,100	67.1	223.5	25,100	69.0	220.1	24,900*	110
120	62.4	219.8	20,700	64.4	218.2	21,500	66.3	214.7	22,200*	120
130	59.7	214.0	17,900	61.6	212.4	18,600	63.5	208.8	19,300	130
140	56.9	207.6	15,400	58.8	205.9	16,100	60.6	202.1	16,700	140
150	54.0	200.4	13,300	55.9	198.6	13,900	57.6	194.7	14,500	150
160	50.9	192.3	11,500	52.8	190.5	12,000	54.5	186.5	12,500	160
170	47.8	183.4	9,900	49.6	181.4	10,400	51.2	177.2	10,800	170
180	44.4	173.3	8,500	46.2	171.3	8,900	47.7	166.8	9,200	180
190	40.8	162.0	7,300	42.6	159.8	7,600	44.0	154.9	7,900	190
200	36.9	149.1	6,100	38.6	146.6	6,400				200
210	32.7	134.0	5,100	34.3	131.3	5,300				210
220	27.8	116.0	4,100							220

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
 Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

50 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
200 Ft. BOOM										
50	80.5	255.4	41,800*							50
55	79.4	254.4	41,300*							55
60	78.2	253.3	40,700*	80.2	251.8	37,400*				60
65	77.0	252.1	40,200*	79.0	250.6	36,900*				65
70	75.9	250.8	39,700*	77.8	249.3	36,400*	79.8	246.1	31,300*	70
75	74.7	249.4	39,200*	76.6	247.9	35,900*	78.6	244.7	30,400*	75
80	73.5	247.8	38,700*	75.4	246.3	35,400*	77.4	243.1	29,500*	80
85	72.3	246.2	36,300	74.2	244.7	35,000*	76.2	241.4	28,700*	85
90	71.1	244.4	33,200	73.0	242.9	34,000*	75.0	239.6	27,900*	90
100	68.6	240.5	28,000	70.6	239.0	29,100	72.5	235.6	26,500*	100
110	66.2	236.1	23,800	68.1	234.6	24,800	69.9	231.1	24,300*	110
120	63.6	231.2	20,400	65.5	229.6	21,300	67.4	226.1	21,400*	120
130	61.0	225.7	17,500	62.9	224.0	18,300	64.7	220.5	18,800*	130
140	58.4	219.6	15,100	60.2	217.9	15,800	62.0	214.2	16,400	140
150	55.6	212.8	13,000	57.5	211.0	13,600	59.2	207.2	14,200	150
160	52.8	205.3	11,200	54.6	203.5	11,700	56.2	199.5	12,200	160
170	49.8	196.9	9,600	51.6	195.0	10,100	53.2	190.9	10,500	170
180	46.7	187.6	8,200	48.5	185.6	8,600	50.0	181.3	9,000	180
190	43.4	177.2	6,900	45.1	175.1	7,300	46.6	170.5	7,600	190
200	39.9	165.6	5,800	41.6	163.3	6,100				200
210	36.2	152.2	4,800*	37.8	149.8	5,000				210
220				33.5	134.0	4,000*				220



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

50 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
210 Ft. BOOM										
50	80.9	265.5	41,300*							50
55	79.8	264.6	40,800*							55
60	78.7	263.5	40,300*	80.6	262.1	37,400*				60
65	77.5	262.4	39,800*	79.4	260.9	36,900*				65
70	76.4	261.1	39,300*	78.3	259.7	36,400*	80.3	256.4	31,600*	70
75	75.3	259.8	38,800*	77.2	258.3	36,000*	79.1	255.0	30,700*	75
80	74.1	258.3	38,300*	76.0	256.8	35,500*	77.9	253.5	29,900*	80
85	73.0	256.7	36,000	74.9	255.2	34,600*	76.8	251.9	29,100*	85
90	71.8	255.0	32,900	73.7	253.5	33,100*	75.6	250.2	28,300*	90
100	69.5	251.3	27,700	71.4	249.8	28,800	73.2	246.4	26,900*	100
110	67.1	247.1	23,500	69.0	245.5	24,500	70.8	242.1	25,500	110
120	64.7	242.4	20,100	66.5	240.8	21,000	68.3	237.3	21,800	120
130	62.2	237.2	17,200	64.1	235.5	18,000	65.8	232.0	18,800	130
140	59.7	231.4	14,800	61.5	229.7	15,500	63.2	226.0	16,200	140
150	57.1	224.9	12,700	58.9	223.2	13,300	60.5	219.4	13,900	150
160	54.4	217.9	10,900	56.2	216.1	11,500	57.8	212.2	12,000	160
170	51.7	210.0	9,300	53.4	208.2	9,800	54.9	204.1	10,300	170
180	48.8	201.4	7,900	50.5	199.4	8,300	52.0	195.2	8,700	180
190	45.7	191.8	6,600	47.4	189.7	7,000	48.8	185.3	7,400	190
200	42.5	181.1	5,500	44.2	178.9	5,800	45.5	174.1	6,100	200
210	39.1	169.0	4,500	40.7	166.7	4,800				210

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
 Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

50 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
220 Ft. BOOM										
55	80.2	274.8	40,500*							55
60	79.1	273.8	40,000*	80.9	272.3	37,600*				60
65	78.0	272.7	39,500*	79.8	271.2	37,100*				65
70	76.9	271.5	39,000*	78.8	270.0	36,600*	80.6	266.7	31,900*	70
75	75.8	270.1	38,600*	77.7	268.7	36,200*	79.5	265.4	31,000*	75
80	74.7	268.7	38,100*	76.6	267.2	35,800*	78.4	264.0	30,200*	80
85	73.6	267.2	35,600	75.4	265.7	35,400*	77.3	262.4	29,400*	85
90	72.5	265.6	32,500	74.3	264.1	33,900	76.2	260.8	28,700*	90
100	70.3	262.0	27,300	72.1	260.5	28,500	73.9	257.1	27,300*	100
110	68.0	258.0	23,100	69.8	256.4	24,200	71.6	253.0	25,200*	110
120	65.7	253.5	19,700	67.5	251.9	20,600	69.2	248.4	21,500	120
130	63.4	248.5	16,800	65.1	246.9	17,700	66.8	243.3	18,500	130
140	61.0	243.0	14,400	62.7	241.3	15,100	64.3	237.7	15,900	140
150	58.5	236.9	12,300	60.2	235.2	13,000	61.8	231.5	13,600	150
160	56.0	230.2	10,500	57.7	228.4	11,100	59.2	224.6	11,600	160
170	53.3	222.8	8,900	55.0	221.0	9,400	56.5	217.0	9,900	170
180	50.6	214.7	7,500	52.3	212.8	8,000	53.7	208.6	8,400	180
190	47.8	205.7	6,200	49.4	203.8	6,600	50.8	199.4	7,000	190
200	44.8	195.8	5,100	46.4	193.7	5,500	47.8	189.2	5,800	200
210	41.7	184.8	4,000	43.3	182.6	4,400	44.5	177.7	4,700	210
230 Ft. BOOM										
55	80.5	285.0	40,100*							55
60	79.5	284.0	39,600*							60
65	78.4	282.9	39,200*	80.2	281.4	37,100*				65
70	77.4	281.8	38,700*	79.2	280.3	36,800*	81.0	277.0	32,200*	70
75	76.3	280.5	38,300*	78.1	279.0	36,400*	79.9	275.7	31,300*	75
80	75.3	279.1	37,900*	77.0	277.6	36,000*	78.8	274.3	30,500*	80
85	74.2	277.7	35,300	76.0	276.2	35,600*	77.8	272.9	29,700*	85
90	73.2	276.1	32,100	74.9	274.6	33,600	76.7	271.3	29,000*	90
100	71.0	272.7	26,900	72.8	271.1	28,200	74.5	267.8	27,600*	100
110	68.8	268.8	22,800	70.6	267.3	23,900	72.3	263.8	24,200*	110
120	66.6	264.5	19,300	68.3	262.9	20,300	70.0	259.5	21,100*	120
130	64.4	259.8	16,500	66.1	258.1	17,300	67.7	254.6	18,200	130
140	62.1	254.5	14,000	63.8	252.8	14,800	65.4	249.2	15,500	140
150	59.7	248.7	11,900	61.4	247.0	12,600	63.0	243.3	13,300	150
160	57.3	242.3	10,100	59.0	240.6	10,700	60.5	236.8	11,300	160
170	54.9	235.3	8,500	56.5	233.5	9,100	58.0	229.6	9,600	170
180	52.3	227.7	7,100	53.9	225.8	7,600	55.3	221.7	8,100*	180
190	49.6	219.3	5,800	51.2	217.3	6,300	52.6	213.1	6,600*	190
200	46.9	210.0	4,500*	48.4	208.0	5,100*	49.8	203.5	5,500	200
210							46.8	193.0	4,200*	210



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

60 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
80 Ft. BOOM										
35	79.3	146.2	35,300*							35
40	77.2	145.0	34,300*							40
45	75.1	143.6	33,400*	79.8	142.7	28,800*				45
50	73.0	142.0	32,500*	77.7	141.1	28,100*				50
55	70.9	140.1	31,700*	75.5	139.3	27,400*	80.0	136.5	25,400*	55
60	68.7	138.1	30,900*	73.3	137.2	26,800*	77.7	134.4	24,900*	60
65	66.5	135.8	30,100*	71.1	135.0	26,200*	75.4	132.1	24,000*	65
70	64.2	133.3	29,300*	68.8	132.5	25,600*	73.1	129.5	22,700*	70
75	61.9	130.5	28,600*	66.5	129.7	25,100*	70.7	126.7	21,600*	75
80	59.6	127.4	27,900*	64.1	126.7	24,600*	68.3	123.6	20,700*	80
85	57.1	124.1	27,200*	61.7	123.4	24,100*	65.8	120.2	19,800*	85
90	54.6	120.4	26,600*	59.2	119.7	23,600*	63.2	116.4	19,000*	90
100	49.4	112.0	25,500*	53.9	111.3	22,400*	57.7	107.8	17,600*	100
110	43.6	101.8	23,600*	48.1	101.1	20,600*	51.7	97.2	16,400*	110
120	37.1	89.1	21,500*	41.5	88.5	19,000*	44.8	83.8	15,500*	120
130	29.3	72.5	19,800*	33.6	71.8	17,800*				130
90 Ft. BOOM										
35	80.0	156.5	35,700*							35
40	78.1	155.3	34,700*							40
45	76.1	154.0	33,800*	80.5	153.0	29,000*				45
50	74.2	152.5	33,000*	78.5	151.5	28,400*				50
55	72.2	150.8	32,200*	76.5	149.9	27,700*	80.7	147.0	25,600*	55
60	70.2	148.9	31,400*	74.5	148.0	27,100*	78.6	145.1	25,100*	60
65	68.1	146.8	30,700*	72.4	145.9	26,500*	76.5	142.9	24,600*	65
70	66.1	144.5	29,900*	70.4	143.6	26,000*	74.4	140.6	23,400*	70
75	63.9	141.9	29,200*	68.2	141.1	25,400*	72.2	138.0	22,300*	75
80	61.8	139.2	28,500*	66.1	138.3	25,000*	70.0	135.2	21,300*	80
85	59.6	136.1	27,900*	63.8	135.3	24,500*	67.7	132.1	20,400*	85
90	57.3	132.8	27,200*	61.6	132.0	24,100*	65.4	128.7	19,600*	90
100	52.6	125.3	26,100*	56.8	124.5	23,200*	60.5	121.0	18,200*	100
110	47.6	116.3	25,100*	51.7	115.5	21,700*	55.2	111.7	17,000*	110
120	42.0	105.5	23,100*	46.2	104.8	20,100*	49.4	100.5	16,100*	120
130	35.7	92.2	21,200*	39.8	91.4	18,700*	42.7	86.4	15,300*	130
140	28.2	74.9	19,200	32.2	74.1	17,600*				140

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
 Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

60 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
100 Ft. BOOM										
35	80.6	166.7	36,000*							35
40	78.8	165.6	35,100*							40
45	77.0	164.4	34,200*							45
50	75.2	163.0	33,400*	79.3	161.9	28,600*				50
55	73.3	161.4	32,600*	77.4	160.4	28,000*				55
60	71.5	159.6	31,900*	75.5	158.6	27,400*	79.4	155.6	25,200*	60
65	69.6	157.7	31,200*	73.6	156.7	26,800*	77.4	153.6	24,800*	65
70	67.6	155.5	30,500*	71.7	154.6	26,300*	75.5	151.5	24,000*	70
75	65.7	153.2	29,800*	69.7	152.2	25,800*	73.4	149.1	22,900*	75
80	63.7	150.6	29,100*	67.7	149.7	25,300*	71.4	146.5	21,900*	80
85	61.7	147.8	28,500*	65.7	146.9	24,900*	69.3	143.6	21,000*	85
90	59.6	144.8	27,900*	63.6	143.9	24,400*	67.2	140.5	20,200*	90
100	55.3	137.9	26,700*	59.3	137.1	23,600*	62.8	133.5	18,800*	100
110	50.8	129.9	25,700*	54.7	129.1	22,700*	58.1	125.3	17,600*	110
120	45.9	120.4	24,100	49.8	119.6	21,100*	53.0	115.5	16,600*	120
130	40.6	109.1	21,300	44.4	108.2	19,700*	47.4	103.7	15,800*	130
140	34.5	95.2	18,900	38.3	94.3	18,500*				140
150	27.3	77.2	16,700	31.0	76.2	17,100				150
110 Ft. BOOM										
40	79.5	175.9	35,400*							40
45	77.8	174.7	34,600*							45
50	76.1	173.4	33,800*	79.9	172.3	28,800*				50
55	74.3	171.9	33,100*	78.2	170.8	28,200*				55
60	72.6	170.2	32,300*	76.4	169.2	27,700*	80.0	166.1	25,400*	60
65	70.8	168.4	31,700*	74.6	167.4	27,100*	78.2	164.3	25,000*	65
70	69.0	166.4	31,000*	72.8	165.4	26,600*	76.4	162.2	24,500*	70
75	67.2	164.2	30,300*	71.0	163.2	26,100*	74.5	160.0	23,400*	75
80	65.4	161.8	29,700*	69.1	160.9	25,700*	72.6	157.6	22,500*	80
85	63.5	159.3	29,000*	67.3	158.3	25,200*	70.7	155.0	21,600*	85
90	61.6	156.5	28,400*	65.3	155.5	24,800*	68.7	152.1	20,800*	90
100	57.7	150.2	27,300*	61.4	149.3	24,000*	64.7	145.7	19,400*	100
110	53.5	142.9	26,300*	57.2	142.0	23,200*	60.4	138.2	18,200*	110
120	49.2	134.4	23,800	52.8	133.5	22,000*	55.9	129.5	17,200*	120
130	44.5	124.4	21,000	48.1	123.5	20,600*	51.0	119.1	16,300*	130
140	39.3	112.5	18,600	42.9	111.6	19,000	45.5	106.8	15,600*	140
150	33.4	98.1	16,500	37.0	97.1	16,900				150
160	26.4	79.4	14,600							160



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

60 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
120 Ft. BOOM										
40	80.1	186.1	35,700*							40
45	78.5	185.0	34,900*							45
50	76.9	183.7	34,200*	80.5	182.6	29,000*				50
55	75.2	182.3	33,400*	78.8	181.2	28,500*				55
60	73.6	180.8	32,700*	77.2	179.7	27,900*	80.6	176.5	25,500*	60
65	71.9	179.1	32,100*	75.5	178.0	27,400*	78.9	174.8	25,100*	65
70	70.2	177.2	31,500*	73.8	176.1	26,900*	77.2	172.9	24,700*	70
75	68.5	175.1	30,900*	72.1	174.1	26,400*	75.5	170.8	23,900*	75
80	66.8	172.9	30,200*	70.4	171.9	26,000*	73.7	168.6	23,000*	80
85	65.1	170.5	29,600*	68.6	169.5	25,500*	71.9	166.1	22,100*	85
90	63.3	167.9	29,000*	66.8	166.9	25,100*	70.1	163.5	21,300*	90
100	59.7	162.1	27,900*	63.2	161.1	24,300*	66.3	157.6	19,900*	100
110	55.9	155.4	26,900*	59.4	154.4	23,600*	62.4	150.7	18,700*	110
120	51.9	147.6	23,600	55.4	146.7	22,900*	58.3	142.8	17,700*	120
130	47.7	138.7	20,700	51.1	137.7	21,300	53.9	133.5	16,800*	130
140	43.1	128.2	18,300	46.5	127.3	18,800	49.2	122.7	16,000*	140
150	38.1	115.9	16,200	41.5	114.9	16,700	43.9	109.8	15,400*	150
160	32.4	100.8	14,400	35.7	99.8	14,800				160
170	25.6	81.5	12,800							170
130 Ft. BOOM										
40	80.6	196.3	36,000*							40
45	79.1	195.2	35,200*							45
50	77.6	194.0	34,500*	81.0	192.9	29,200*				50
55	76.0	192.7	33,800*	79.4	191.6	28,700*				55
60	74.5	191.3	33,100*	77.9	190.1	28,100*				60
65	72.9	189.6	32,500*	76.3	188.5	27,600*	79.5	185.3	25,200*	65
70	71.3	187.9	31,900*	74.7	186.8	27,100*	77.9	183.5	24,900*	70
75	69.7	186.0	31,300*	73.1	184.9	26,700*	76.3	181.6	24,400*	75
80	68.1	183.9	30,700*	71.5	182.8	26,200*	74.6	179.4	23,500*	80
85	66.5	181.6	30,100*	69.8	180.6	25,800*	73.0	177.2	22,600*	85
90	64.8	179.2	29,500*	68.2	178.1	25,400*	71.3	174.7	21,800*	90
100	61.4	173.8	28,400*	64.8	172.7	24,700*	67.8	169.2	20,400*	100
110	57.9	167.5	26,600	61.2	166.5	24,000*	64.2	162.8	19,200*	110
120	54.2	160.4	23,200	57.5	159.4	23,300*	60.4	155.5	18,200*	120
130	50.4	152.2	20,400	53.7	151.3	21,100	56.4	147.1	17,300*	130
140	46.3	142.9	18,000	49.5	141.9	18,600	52.1	137.4	16,500*	140
150	41.9	132.0	15,900	45.1	130.9	16,400	47.5	126.1	15,800*	150
160	37.0	119.1	14,100	40.2	118.1	14,500	42.4	112.7	14,800	160
170	31.5	103.5	12,500	34.6	102.4	12,800				170
180	24.9	83.6	11,000							180

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

60 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
140 Ft. BOOM										
45	79.6	205.4	35,500*							45
50	78.2	204.3	34,800*							50
55	76.7	203.1	34,100*	80.0	201.9	28,800*				55
60	75.3	201.7	33,500*	78.5	200.5	28,300*				60
65	73.8	200.2	32,800*	77.0	199.0	27,800*	80.1	195.7	25,400*	65
70	72.3	198.5	32,200*	75.5	197.4	27,400*	78.6	194.0	25,000*	70
75	70.8	196.7	31,700*	74.0	195.6	26,900*	77.0	192.2	24,700*	75
80	69.2	194.7	31,100*	72.5	193.6	26,500*	75.5	190.2	23,900*	80
85	67.7	192.6	30,500*	70.9	191.5	26,100*	73.9	188.1	23,100*	85
90	66.2	190.3	30,000*	69.4	189.2	25,700*	72.3	185.7	22,300*	90
100	63.0	185.2	28,900*	66.2	184.2	25,000*	69.0	180.6	20,900*	100
110	59.7	179.4	26,200	62.9	178.4	24,300*	65.7	174.7	19,700*	110
120	56.3	172.8	22,800	59.4	171.8	23,600*	62.2	167.9	18,600*	120
130	52.7	165.3	20,000	55.9	164.3	20,700	58.5	160.2	17,700*	130
140	49.0	156.7	17,600	52.1	155.7	18,200	54.6	151.4	16,900*	140
150	45.0	146.9	15,500	48.1	145.9	16,000	50.5	141.3	16,200*	150
160	40.8	135.6	13,700	43.8	134.5	14,200	46.0	129.5	14,500	160
170	36.0	122.3	12,100	39.0	121.2	12,500				170
180	30.7	106.2	10,600	33.6	105.0	11,000				180
190	24.2	85.6	9,300							190



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

60 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
150 Ft. BOOM										
45	80.1	215.7	35,800*							45
50	78.8	214.6	35,100*							50
55	77.4	213.4	34,400*	80.5	212.2	29,000*				55
60	76.0	212.1	33,800*	79.1	210.9	28,500*				60
65	74.6	210.6	33,200*	77.7	209.4	28,000*	80.6	206.1	25,500*	65
70	73.1	209.1	32,600*	76.2	207.9	27,600*	79.1	204.5	25,100*	70
75	71.7	207.3	32,000*	74.8	206.2	27,200*	77.7	202.8	24,800*	75
80	70.3	205.5	31,500*	73.3	204.3	26,700*	76.2	200.9	24,400*	80
85	68.8	203.5	31,000*	71.9	202.3	26,300*	74.7	198.9	23,500*	85
90	67.4	201.3	30,400*	70.4	200.2	26,000*	73.2	196.7	22,800*	90
100	64.4	196.5	29,300*	67.4	195.4	25,200*	70.1	191.8	21,400*	100
110	61.3	191.1	25,900	64.3	190.0	24,600*	67.0	186.3	20,100*	110
120	58.1	184.9	22,500	61.1	183.8	23,400	63.7	180.0	19,100*	120
130	54.8	177.9	19,600	57.8	176.8	20,400	60.3	172.8	18,200*	130
140	51.4	170.0	17,200	54.3	168.9	17,900	56.8	164.7	17,300*	140
150	47.7	161.1	15,100	50.7	160.0	15,700	53.0	155.5	16,200	150
160	43.9	150.8	13,300	46.8	149.8	13,900	49.0	145.0	14,300	160
170	39.7	139.1	11,700	42.6	138.0	12,200	44.6	132.7	12,500	170
180	35.1	125.3	10,300	37.9	124.2	10,700				180
190	29.9	108.7	9,000	32.7	107.5	9,400				190
200	23.6	87.6	7,900							200

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on

Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

60 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
160 Ft. BOOM										
45	80.6	225.8	36,000*							45
50	79.3	224.8	35,300*							50
55	77.9	223.7	34,700*	80.9	222.4	29,200*				55
60	76.6	222.4	34,100*	79.6	221.2	28,700*				60
65	75.3	221.1	33,500*	78.2	219.8	28,200*				65
70	73.9	219.6	32,900*	76.9	218.3	27,800*	79.7	214.9	25,200*	70
75	72.6	217.9	32,400*	75.5	216.7	27,400*	78.3	213.3	24,900*	75
80	71.2	216.2	31,800*	74.1	215.0	27,000*	76.9	211.5	24,600*	80
85	69.8	214.3	31,300*	72.8	213.1	26,600*	75.5	209.6	23,900*	85
90	68.4	212.2	30,800*	71.4	211.0	26,200*	74.0	207.5	23,200*	90
100	65.6	207.7	29,700	68.5	206.5	25,500*	71.1	202.9	21,800*	100
110	62.7	202.6	25,600	65.6	201.4	24,800*	68.2	197.7	20,600*	110
120	59.7	196.8	22,200	62.6	195.6	23,100	65.1	191.8	19,500*	120
130	56.6	190.2	19,300	59.5	189.1	20,200	61.9	185.1	18,600*	130
140	53.4	182.9	16,900	56.3	181.8	17,700	58.7	177.6	17,700*	140
150	50.1	174.6	14,800	52.9	173.5	15,500	55.2	169.1	16,000	150
160	46.6	165.3	13,000	49.3	164.2	13,600	51.5	159.5	14,100	160
170	42.8	154.7	11,400	45.6	153.5	11,900	47.6	148.6	12,300	170
180	38.7	142.5	10,000	41.5	141.3	10,500	43.4	135.9	10,800	180
190	34.3	128.3	8,800	36.9	127.1	9,100				190
200	29.2	111.2	7,600	31.8	109.9	7,900				200
210	23.0	89.5	6,600							210



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

60 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
170 Ft. BOOM										
45	81.0	236.0	36,300*							45
50	79.7	235.0	35,600*							50
55	78.5	234.0	35,000*							55
60	77.2	232.8	34,400*	80.0	231.5	28,900*				60
65	75.9	231.4	33,800*	78.8	230.2	28,400*				65
70	74.6	230.0	33,200*	77.5	228.8	28,000*	80.1	225.3	25,400*	70
75	73.4	228.5	32,700*	76.2	227.2	27,600*	78.8	223.7	25,100*	75
80	72.1	226.8	32,200*	74.9	225.6	27,200*	77.5	222.0	24,800*	80
85	70.7	225.0	31,700*	73.5	223.8	26,800*	76.1	220.2	24,300*	85
90	69.4	223.0	31,200*	72.2	221.8	26,400*	74.8	218.3	23,600*	90
100	66.7	218.7	29,400	69.5	217.6	25,700*	72.0	213.9	22,200*	100
110	64.0	213.9	25,200	66.8	212.7	25,100*	69.2	209.0	21,000*	110
120	61.2	208.4	21,800	63.9	207.2	22,800	66.4	203.4	19,900*	120
130	58.3	202.3	19,000	61.0	201.1	19,900	63.4	197.2	19,000*	130
140	55.3	195.4	16,600	58.0	194.2	17,300	60.3	190.1	17,600*	140
150	52.2	187.7	14,500	54.9	186.6	15,200	57.1	182.3	15,700*	150
160	48.9	179.1	12,700	51.6	177.9	13,300	53.7	173.4	13,800	160
170	45.5	169.4	11,100	48.1	168.2	11,600	50.2	163.4	12,100	170
180	41.8	158.4	9,700	44.4	157.2	10,200	46.4	152.1	10,500	180
190	37.8	145.8	8,400	40.4	144.6	8,800	42.2	139.0	9,100	190
200	33.5	131.2	7,300	36.0	129.9	7,600				200
210	28.5	113.7	6,200	31.0	112.3	6,500				210
220	22.5	91.4	5,300							220

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**Meets
ANSI B30.5
Requirements**777 SERIES 2****Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78****142,000 Lb. Crane Counterweight****44,000 Lb. Carbody Counterweight****360 Degree Rating****60 Ft. Jib**

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
180 Ft. BOOM										
50	80.2	245.2	35,800*							50
55	79.0	244.2	35,200*							55
60	77.7	243.1	34,600*	80.5	241.8	29,000*				60
65	76.5	241.8	34,000*	79.2	240.5	28,600*				65
70	75.3	240.4	33,500*	78.0	239.2	28,200*	80.6	235.7	25,500*	70
75	74.1	238.9	33,000*	76.8	237.7	27,800*	79.3	234.2	25,200*	75
80	72.8	237.3	32,500*	75.5	236.1	27,400*	78.0	232.5	24,900*	80
85	71.6	235.6	32,000*	74.3	234.4	27,000*	76.8	230.8	24,600*	85
90	70.3	233.8	31,500*	73.0	232.5	26,600*	75.5	228.9	23,900*	90
100	67.8	229.7	29,000	70.4	228.5	26,000*	72.9	224.8	22,600*	100
110	65.1	225.1	24,800	67.8	223.9	25,300*	70.2	220.1	21,400*	110
120	62.5	219.9	21,400	65.1	218.7	22,500	67.5	214.9	20,300*	120
130	59.7	214.1	18,600	62.4	212.9	19,500	64.7	209.0	19,300*	130
140	56.9	207.6	16,200	59.5	206.4	17,000	61.8	202.4	17,100*	140
150	54.0	200.4	14,100	56.6	199.2	14,800	58.8	195.0	15,200*	150
160	51.0	192.4	12,300	53.5	191.2	12,900	55.7	186.8	13,400*	160
170	47.8	183.4	10,700	50.4	182.3	11,300	52.4	177.6	11,700	170
180	44.4	173.4	9,300	47.0	172.2	9,800	48.9	167.2	10,200	180
190	40.9	162.0	8,000	43.4	160.8	8,500	45.2	155.5	8,800	190
200	37.0	149.1	6,900	39.5	147.9	7,300				200
210	32.7	134.1	5,800	35.2	132.7	6,200				210
220	27.9	116.1	4,900							220
230	22.0	93.3	4,000							230



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

60 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
190 Ft. BOOM										
50	80.6	255.4	35,900*							50
55	79.4	254.4	35,400*							55
60	78.2	253.3	34,900*	80.9	252.0	29,100*				60
65	77.1	252.1	34,300*	79.7	250.8	28,700*				65
70	75.9	250.8	33,700*	78.5	249.5	28,300*	81.0	246.0	25,500*	70
75	74.7	249.4	33,200*	77.3	248.1	27,900*	79.8	244.6	25,300*	75
80	73.5	247.9	32,700*	76.1	246.6	27,500*	78.5	243.0	25,000*	80
85	72.3	246.2	32,300*	74.9	244.9	27,200*	77.3	241.3	24,700*	85
90	71.1	244.4	31,800*	73.7	243.2	26,800*	76.1	239.6	24,300*	90
100	68.7	240.5	28,500	71.3	239.3	26,200*	73.6	235.6	22,900*	100
110	66.2	236.1	24,300	68.8	234.9	25,500*	71.1	231.2	21,700*	110
120	63.7	231.2	20,900	66.2	230.0	22,000	68.5	226.2	20,700*	120
130	61.1	225.7	18,100	63.6	224.5	19,000	65.8	220.6	19,100*	130
140	58.4	219.6	15,600	60.9	218.4	16,500	63.1	214.4	16,900*	140
150	55.7	212.8	13,500	58.2	211.6	14,300	60.3	207.4	15,000*	150
160	52.8	205.3	11,700	55.3	204.1	12,400	57.4	199.8	13,000	160
170	49.9	197.0	10,100	52.3	195.8	10,800	54.3	191.2	11,300	170
180	46.8	187.7	8,700	49.2	186.5	9,300	51.1	181.7	9,700	180
190	43.5	177.3	7,500	45.9	176.1	8,000	47.7	171.0	8,300	190
200	40.0	165.6	6,300	42.4	164.4	6,800	44.1	158.9	7,100	200
210	36.2	152.3	5,300	38.6	151.0	5,700				210
220	32.0	136.9	4,300	34.3	135.5	4,700				220

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2**Jib No. 134 with 12 Ft. 6 in. Strut on****Boom No. 78****142,000 Lb. Crane Counterweight****44,000 Lb. Carbody Counterweight****360 Degree Rating****60 Ft. Jib**

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
200 Ft. BOOM										
50	80.9	265.6	35,600*							50
55	79.8	264.6	35,100*							55
60	78.7	263.6	34,700*							60
65	77.6	262.4	34,200*	80.1	261.1	28,900*				65
70	76.4	261.2	33,800*	79.0	259.8	28,500*				70
75	75.3	259.8	33,300*	77.8	258.5	28,100*	80.2	254.9	25,400*	75
80	74.2	258.3	32,900*	76.7	257.0	27,700*	79.0	253.4	25,100*	80
85	73.0	256.7	32,500*	75.5	255.5	27,400*	77.8	251.8	24,800*	85
90	71.9	255.1	32,000*	74.4	253.8	27,000*	76.7	250.1	24,600*	90
100	69.5	251.3	28,200	72.0	250.1	26,400*	74.3	246.4	23,300*	100
110	67.2	247.1	24,000	69.6	245.9	25,200*	71.9	242.1	22,100*	110
120	64.8	242.4	20,600	67.2	241.2	21,700	69.4	237.3	20,800*	120
130	62.3	237.2	17,700	64.7	236.0	18,800	66.9	232.0	18,300*	130
140	59.8	231.4	15,300	62.2	230.2	16,200	64.3	226.1	16,200*	140
150	57.2	225.0	13,200	59.6	223.8	14,000	61.6	219.6	14,300*	150
160	54.5	217.9	11,400	56.9	216.7	12,100	58.9	212.4	12,500*	160
170	51.7	210.1	9,800	54.1	208.9	10,500	56.0	204.4	11,000*	170
180	48.8	201.4	8,400	51.2	200.2	9,000	53.0	195.5	9,500	180
190	45.8	191.8	7,100	48.1	190.6	7,700	49.9	185.7	8,100	190
200	42.6	181.1	6,000	44.9	179.9	6,500	46.6	174.6	6,800	200
210	39.2	169.1	5,000*	41.5	167.8	5,400	43.0	162.1	5,700	210
220				37.7	154.1	4,400*				220



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

60 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
210 Ft. BOOM										
55	80.2	274.8	34,800*							55
60	79.1	273.8	34,400*							60
65	78.0	272.7	33,900*	80.5	271.3	28,900*				65
70	77.0	271.5	33,500*	79.4	270.1	28,500*				70
75	75.9	270.2	33,100*	78.3	268.8	28,200*	80.6	265.2	25,400*	75
80	74.8	268.8	32,600*	77.2	267.4	27,800*	79.4	263.8	25,100*	80
85	73.7	267.2	32,200*	76.1	265.9	27,500*	78.3	262.3	24,900*	85
90	72.6	265.6	31,800*	75.0	264.3	27,100*	77.2	260.6	24,600*	90
100	70.3	262.1	27,900	72.7	260.8	26,500*	74.9	257.0	23,600*	100
110	68.1	258.0	23,700	70.4	256.8	25,000	72.6	253.0	22,400*	110
120	65.8	253.5	20,300	68.1	252.3	21,500	70.2	248.4	21,400*	120
130	63.4	248.5	17,400	65.7	247.3	18,500	67.8	243.4	19,400	130
140	61.0	243.0	15,000	63.3	241.8	15,900	65.4	237.8	16,800	140
150	58.5	236.9	12,900	60.9	235.7	13,800	62.9	231.6	14,500	150
160	56.0	230.2	11,100	58.3	229.0	11,900	60.3	224.7	12,500	160
170	53.4	222.9	9,500	55.7	221.6	10,200	57.6	217.2	10,800	170
180	50.7	214.7	8,100	52.9	213.5	8,700	54.8	208.9	9,200	180
190	47.8	205.8	6,800	50.1	204.6	7,400	51.9	199.7	7,800	190
200	44.9	195.9	5,700	47.1	194.6	6,200	48.8	189.6	6,600	200
210	41.7	184.9	4,600	44.0	183.6	5,100	45.6	178.2	5,500	210
220				40.6	171.2	4,100				220

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**Meets
ANSI B30.5
Requirements**777 SERIES 2**

Jib No. 134 with 12 Ft. 6 in. Strut on

Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

60 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
220 Ft. BOOM										
55	80.5	285.0	34,500*							55
60	79.5	284.0	34,100*							60
65	78.5	282.9	33,700*	80.8	281.6	29,100*				65
70	77.4	281.8	33,300*	79.8	280.4	28,700*				70
75	76.4	280.5	32,900*	78.7	279.2	28,300*	80.9	275.5	25,500*	75
80	75.3	279.2	32,500*	77.7	277.8	28,000*	79.8	274.2	25,200*	80
85	74.3	277.7	32,100*	76.6	276.4	27,600*	78.8	272.7	25,000*	85
90	73.2	276.1	31,700*	75.5	274.8	27,300*	77.7	271.1	24,700*	90
100	71.1	272.7	27,500	73.4	271.4	26,700*	75.5	267.7	23,900*	100
110	68.9	268.9	23,300	71.2	267.6	24,700	73.3	263.8	22,800*	110
120	66.7	264.6	19,900	69.0	263.3	21,100	71.0	259.4	21,500*	120
130	64.4	259.8	17,000	66.7	258.5	18,100	68.7	254.6	18,900*	130
140	62.1	254.5	14,600	64.4	253.3	15,600	66.4	249.2	16,500	140
150	59.8	248.7	12,500	62.0	247.5	13,400	64.0	243.4	14,200	150
160	57.4	242.4	10,600	59.6	241.1	11,500	61.5	236.9	12,200	160
170	54.9	235.4	9,000	57.1	234.1	9,800	59.0	229.8	10,400	170
180	52.3	227.7	7,600	54.5	226.5	8,300	56.3	221.9	8,900	180
190	49.7	219.3	6,400	51.9	218.1	7,000	53.6	213.4	7,500	190
200	46.9	210.1	5,200	49.1	208.8	5,800	50.8	203.9	6,200	200
210	44.0	199.9	4,200	46.2	198.6	4,700	47.8	193.4	5,100*	210
220							44.6	181.7	4,100*	220



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

70 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
80 Ft. BOOM										
35	80.2	156.7	27,200*							35
40	78.2	155.6	26,700*							40
45	76.3	154.3	26,000*	81.0	153.2	24,100*				45
50	74.3	152.8	25,300*	79.0	151.7	23,500*				50
55	72.3	151.2	24,700*	77.0	150.0	23,000*				55
60	70.3	149.3	24,000*	75.0	148.1	22,500*	79.9	145.3	20,900*	60
65	68.3	147.3	23,500*	72.9	146.1	21,900*	77.8	143.1	20,400*	65
70	66.2	145.0	22,900*	70.9	143.8	21,400*	75.7	140.8	20,000*	70
75	64.1	142.5	22,400*	68.7	141.2	21,000*	73.5	138.2	19,400*	75
80	62.0	139.7	21,800*	66.6	138.5	20,500*	71.3	135.4	18,400*	80
85	59.8	136.8	21,300*	64.4	135.5	20,100*	69.0	132.3	17,600*	85
90	57.5	133.5	20,800*	62.1	132.2	19,600*	66.7	128.9	16,800*	90
100	52.9	126.1	19,900*	57.3	124.7	18,800*	61.8	121.2	15,500*	100
110	47.8	117.3	19,000*	52.3	115.7	18,100*	56.6	112.0	14,300*	110
120	42.4	106.7	18,200*	46.7	105.0	16,800*	50.8	100.8	13,400*	120
130	36.2	93.7	17,500*	40.4	91.7	15,600*	44.1	86.8	12,600*	130
140	28.8	76.8	16,800*	32.8	74.4	14,600*				140
90 Ft. BOOM										
35	80.8	166.9	27,300*							35
40	79.0	165.9	27,000*							40
45	77.2	164.7	26,300*							45
50	75.3	163.3	25,700*	79.7	162.1	23,700*				50
55	73.5	161.7	25,000*	77.9	160.5	23,200*				55
60	71.6	160.0	24,400*	76.0	158.8	22,700*	80.6	155.8	21,000*	60
65	69.7	158.1	23,900*	74.1	156.8	22,200*	78.6	153.8	20,600*	65
70	67.8	156.0	23,300*	72.1	154.7	21,700*	76.7	151.6	20,200*	70
75	65.9	153.7	22,800*	70.2	152.4	21,300*	74.7	149.3	19,800*	75
80	63.9	151.1	22,300*	68.2	149.8	20,800*	72.6	146.7	19,000*	80
85	61.9	148.4	21,800*	66.1	147.1	20,400*	70.5	143.8	18,100*	85
90	59.8	145.4	21,300*	64.1	144.1	20,000*	68.4	140.7	17,400*	90
100	55.5	138.7	20,400*	59.8	137.3	19,200*	64.0	133.7	16,000*	100
110	51.0	130.8	19,500*	55.2	129.3	18,500*	59.3	125.5	14,900*	110
120	46.2	121.4	18,700*	50.3	119.8	17,700*	54.2	115.7	13,900*	120
130	40.9	110.3	18,000*	44.9	108.5	16,400*	48.6	103.9	13,100*	130
140	35.0	96.7	17,400*	38.8	94.6	15,300*	42.2	89.3	12,500*	140
150	27.8	79.2	16,600*	31.5	76.6	14,400*				150

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

70 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
100 Ft. BOOM										
40	79.6	176.1	27,100*							40
45	77.9	175.0	26,600*							45
50	76.2	173.7	26,000*	80.3	172.4	23,900*				50
55	74.5	172.2	25,400*	78.6	171.0	23,400*				55
60	72.7	170.6	24,800*	76.8	169.3	22,900*				60
65	71.0	168.8	24,200*	75.1	167.5	22,500*	79.4	164.4	20,700*	65
70	69.2	166.8	23,700*	73.3	165.5	22,000*	77.5	162.4	20,300*	70
75	67.4	164.7	23,200*	71.4	163.4	21,600*	75.7	160.2	20,000*	75
80	65.5	162.4	22,700*	69.6	161.0	21,100*	73.8	157.7	19,500*	80
85	63.6	159.8	22,200*	67.7	158.4	20,700*	71.8	155.1	18,600*	85
90	61.8	157.1	21,800*	65.8	155.7	20,300*	69.9	152.3	17,900*	90
100	57.8	150.9	20,900*	61.8	149.4	19,600*	65.8	145.9	16,500*	100
110	53.7	143.7	20,000*	57.7	142.1	18,900*	61.6	138.4	15,400*	110
120	49.4	135.3	19,200*	53.3	133.7	18,200*	57.0	129.6	14,400*	120
130	44.7	125.5	18,500*	48.6	123.7	17,300*	52.1	119.3	13,600*	130
140	39.6	113.8	17,900*	43.4	111.8	16,100*	46.7	107.0	12,900*	140
150	33.8	99.6	17,100	37.5	97.4	15,100*				150
160	27.0	81.5	15,200	30.3	78.6	14,300*				160
110 Ft. BOOM										
40	80.2	186.3	27,200*							40
45	78.6	185.2	26,900*							45
50	77.0	184.0	26,300*	80.9	182.7	24,100*				50
55	75.3	182.7	25,700*	79.3	181.4	23,600*				55
60	73.7	181.1	25,100*	77.6	179.8	23,100*				60
65	72.0	179.5	24,600*	75.9	178.1	22,700*	80.0	174.9	20,900*	65
70	70.4	177.6	24,100*	74.2	176.3	22,300*	78.3	173.0	20,500*	70
75	68.7	175.6	23,600*	72.5	174.2	21,800*	76.5	170.9	20,100*	75
80	67.0	173.4	23,100*	70.8	172.0	21,400*	74.8	168.7	19,800*	80
85	65.2	171.0	22,600*	69.0	169.6	21,000*	73.0	166.2	19,100*	85
90	63.4	168.5	22,200*	67.3	167.1	20,600*	71.1	163.6	18,300*	90
100	59.8	162.7	21,300*	63.6	161.3	19,900*	67.4	157.7	17,000*	100
110	56.1	156.1	20,500*	59.8	154.6	19,200*	63.5	150.8	15,900*	110
120	52.1	148.5	19,700*	55.8	146.9	18,600*	59.4	142.9	14,900*	120
130	47.9	139.6	19,000*	51.5	137.9	18,000*	55.0	133.7	14,000*	130
140	43.4	129.4	18,300*	47.0	127.5	16,900*	50.3	122.8	13,300*	140
150	38.4	117.2	16,700	41.9	115.1	15,800*	45.0	109.9	12,700*	150
160	32.8	102.5	14,900	36.2	100.1	15,000*				160
170	26.1	83.7	13,300							170



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

70 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
120 Ft. BOOM										
40	80.7	196.5	27,300*							40
45	79.2	195.5	27,100*							45
50	77.7	194.3	26,500*							50
55	76.1	193.0	26,000*	79.8	191.7	23,800*				55
60	74.6	191.6	25,400*	78.3	190.3	23,300*				60
65	73.0	190.0	24,900*	76.7	188.7	22,900*	80.6	185.3	21,000*	65
70	71.4	188.3	24,400*	75.1	186.9	22,500*	78.9	183.6	20,600*	70
75	69.8	186.4	23,900*	73.5	185.0	22,100*	77.3	181.6	20,300*	75
80	68.2	184.3	23,500*	71.9	182.9	21,700*	75.6	179.5	20,000*	80
85	66.6	182.1	23,000*	70.2	180.7	21,300*	74.0	177.2	19,500*	85
90	64.9	179.7	22,600*	68.6	178.3	20,900*	72.3	174.8	18,800*	90
100	61.6	174.4	21,700*	65.2	172.9	20,200*	68.8	169.2	17,500*	100
110	58.1	168.2	20,900*	61.6	166.7	19,500*	65.2	162.9	16,300*	110
120	54.4	161.2	20,200*	57.9	159.6	18,900*	61.4	155.6	15,300*	120
130	50.6	153.1	19,400*	54.1	151.4	18,300*	57.4	147.2	14,500*	130
140	46.5	143.9	18,500	50.0	142.0	17,600*	53.2	137.5	13,700*	140
150	42.2	133.1	16,500	45.5	131.1	16,600*	48.5	126.2	13,100*	150
160	37.4	120.5	14,600	40.6	118.3	15,000	43.4	112.8	12,600*	160
170	31.9	105.2	13,000	35.1	102.7	13,400				170
180	25.4	85.8	11,600							180
130 Ft. BOOM										
45	79.7	205.7	27,200*							45
50	78.3	204.6	26,800*							50
55	76.8	203.4	26,200*	80.4	202.0	23,900*				55
60	75.4	202.0	25,700*	78.9	200.6	23,500*				60
65	73.9	200.5	25,200*	77.4	199.1	23,100*				65
70	72.4	198.9	24,700*	75.9	197.5	22,700*	79.5	194.1	20,800*	70
75	70.9	197.1	24,200*	74.4	195.7	22,300*	78.0	192.2	20,400*	75
80	69.4	195.2	23,800*	72.8	193.7	21,900*	76.4	190.2	20,100*	80
85	67.8	193.1	23,300*	71.3	191.6	21,500*	74.8	188.1	19,800*	85
90	66.3	190.8	22,900*	69.7	189.3	21,200*	73.2	185.8	19,200*	90
100	63.1	185.8	22,100*	66.5	184.3	20,500*	70.0	180.6	17,900*	100
110	59.8	180.1	21,300*	63.2	178.5	19,800*	66.6	174.7	16,800*	110
120	56.5	173.5	20,600*	59.8	171.9	19,200*	63.1	167.9	15,800*	120
130	52.9	166.1	19,900*	56.2	164.4	18,600*	59.5	160.2	14,900*	130
140	49.2	157.6	18,200	52.5	155.8	18,100*	55.6	151.4	14,100*	140
150	45.3	147.9	16,100	48.5	146.0	16,700	51.5	141.3	13,500*	150
160	41.0	136.8	14,300	44.2	134.7	14,800	47.0	129.5	12,900*	160
170	36.4	123.7	12,700	39.4	121.4	13,100	42.0	115.6	12,400*	170
180	31.1	107.9	11,300	34.0	105.2	11,600				180
190	24.7	87.9	10,000							190

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
 Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

70 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
140 Ft. BOOM										
45	80.2	215.9	27,200*							45
50	78.9	214.9	27,000*							50
55	77.5	213.7	26,500*	80.8	212.3	24,100*				55
60	76.1	212.4	26,000*	79.4	211.0	23,700*				60
65	74.7	211.0	25,500*	78.0	209.6	23,300*				65
70	73.3	209.4	25,000*	76.6	208.0	22,900*	80.1	204.5	20,900*	70
75	71.8	207.7	24,500*	75.1	206.3	22,500*	78.6	202.8	20,600*	75
80	70.4	205.9	24,100*	73.7	204.4	22,100*	77.1	200.9	20,200*	80
85	68.9	203.9	23,700*	72.2	202.4	21,800*	75.6	198.9	19,900*	85
90	67.5	201.8	23,200*	70.8	200.3	21,400*	74.1	196.7	19,600*	90
100	64.5	197.1	22,500*	67.7	195.5	20,700*	71.1	191.8	18,300*	100
110	61.4	191.7	21,700*	64.7	190.1	20,100*	67.9	186.3	17,200*	110
120	58.3	185.6	21,000*	61.5	184.0	19,500*	64.6	180.0	16,200*	120
130	55.0	178.7	20,200	58.2	177.0	18,900*	61.2	172.8	15,300*	130
140	51.5	170.9	17,800	54.7	169.1	18,400*	57.7	164.7	14,500*	140
150	47.9	162.0	15,700	51.0	160.1	16,300	53.9	155.5	13,900*	150
160	44.1	151.9	13,900	47.2	149.9	14,400	49.9	145.0	13,300*	160
170	40.0	140.3	12,300	43.0	138.2	12,700	45.6	132.7	12,800*	170
180	35.4	126.8	10,900	38.3	124.4	11,300				180
190	30.3	110.5	9,600	33.1	107.7	9,900				190
200	24.1	90.0	8,500							200



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

70 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
150 Ft. BOOM										
45	80.7	226.1	27,300*							45
50	79.4	225.1	27,100*							50
55	78.0	224.0	26,700*							55
60	76.7	222.7	26,200*	79.9	221.3	23,800*				60
65	75.4	221.4	25,700*	78.6	219.9	23,400*				65
70	74.0	219.9	25,300*	77.2	218.5	23,000*	80.5	214.9	21,000*	70
75	72.7	218.3	24,800*	75.9	216.8	22,700*	79.1	213.3	20,700*	75
80	71.3	216.6	24,400*	74.5	215.1	22,300*	77.7	211.5	20,400*	80
85	69.9	214.7	24,000*	73.1	213.2	22,000*	76.3	209.6	20,100*	85
90	68.5	212.7	23,600*	71.7	211.2	21,600*	74.9	207.5	19,800*	90
100	65.7	208.2	22,800*	68.8	206.7	21,000*	72.0	202.9	18,700*	100
110	62.8	203.1	22,000*	65.9	201.5	20,300*	69.0	197.7	17,600*	110
120	59.9	197.4	21,300*	62.9	195.8	19,800*	66.0	191.8	16,600*	120
130	56.8	190.9	19,900	59.8	189.2	19,200*	62.8	185.1	15,700*	130
140	53.6	183.7	17,400	56.6	181.9	18,200	59.5	177.6	14,900*	140
150	50.3	175.5	15,400	53.3	173.6	16,000	56.1	169.1	14,200*	150
160	46.8	166.3	13,500	49.7	164.3	14,100	52.4	159.5	13,600*	160
170	43.0	155.8	12,000	45.9	153.7	12,400	48.5	148.5	12,900	170
180	39.0	143.8	10,500	41.8	141.5	11,000	44.2	135.9	11,300	180
190	34.6	129.8	9,300	37.3	127.3	9,600				190
200	29.5	113.1	8,100	32.2	110.1	8,400				200
210	23.5	92.0	7,100							210

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
 Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

70 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
160 Ft. BOOM										
50	79.8	235.3	27,200*							50
55	78.6	234.2	26,900*							55
60	77.3	233.1	26,400*	80.4	231.6	23,900*				60
65	76.0	231.8	26,000*	79.1	230.3	23,600*				65
70	74.7	230.4	25,500*	77.8	228.9	23,200*	81.0	225.3	21,100*	70
75	73.5	228.8	25,100*	76.5	227.3	22,800*	79.6	223.7	20,800*	75
80	72.2	227.2	24,700*	75.2	225.7	22,500*	78.3	222.0	20,500*	80
85	70.8	225.4	24,200*	73.9	223.9	22,200*	77.0	220.2	20,200*	85
90	69.5	223.5	23,800*	72.5	221.9	21,800*	75.6	218.2	19,900*	90
100	66.8	219.2	23,100*	69.8	217.7	21,200*	72.9	213.9	19,000*	100
110	64.1	214.4	22,400*	67.1	212.8	20,600*	70.1	208.9	17,900*	110
120	61.3	209.0	21,700*	64.2	207.4	20,000*	67.2	203.4	16,900*	120
130	58.4	202.9	19,500	61.3	201.2	19,500*	64.2	197.1	16,000*	130
140	55.4	196.1	17,100	58.3	194.4	17,900	61.1	190.1	15,300*	140
150	52.3	188.5	15,000	55.2	186.7	15,700	57.9	182.2	14,600*	150
160	49.1	180.0	13,200	51.9	178.1	13,800	54.5	173.4	14,000*	160
170	45.7	170.4	11,600	48.5	168.4	12,200	51.0	163.4	12,700	170
180	42.0	159.6	10,200	44.8	157.4	10,700	47.2	152.0	11,100	180
190	38.1	147.2	9,000	40.8	144.8	9,400	43.0	138.9	9,700	190
200	33.8	132.8	7,800	36.4	130.1	8,200				200
210	28.9	115.6	6,800	31.3	112.5	7,100				210
220	23.0	93.9	5,800							220



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

70 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
170 Ft. BOOM										
50	80.3	245.5	27,200*							50
55	79.0	244.5	27,100*							55
60	77.8	243.3	26,600*	80.8	241.9	24,100*				60
65	76.6	242.1	26,200*	79.5	240.6	23,700*				65
70	75.4	240.8	25,700*	78.3	239.3	23,300*				70
75	74.2	239.3	25,300*	77.1	237.8	23,000*	80.1	234.1	20,900*	75
80	72.9	237.7	24,900*	75.8	236.2	22,700*	78.8	232.5	20,600*	80
85	71.7	236.0	24,500*	74.6	234.5	22,300*	77.6	230.8	20,300*	85
90	70.4	234.2	24,100*	73.3	232.6	22,000*	76.3	228.9	20,100*	90
100	67.9	230.1	23,400*	70.7	228.6	21,400*	73.6	224.8	19,400*	100
110	65.3	225.6	22,700*	68.1	224.0	20,800*	71.0	220.1	18,300*	110
120	62.6	220.4	22,000*	65.4	218.8	20,200*	68.3	214.8	17,300*	120
130	59.9	214.7	19,200	62.7	213.0	19,700*	65.4	208.9	16,400*	130
140	57.1	208.3	16,800	59.8	206.6	17,600	62.6	202.3	15,600*	140
150	54.2	201.2	14,700	56.9	199.4	15,400	59.6	195.0	14,900*	150
160	51.1	193.2	12,900	53.9	191.4	13,500	56.4	186.7	13,800*	160
170	48.0	184.4	11,300	50.7	182.4	11,900	53.2	177.5	12,300*	170
180	44.6	174.4	9,900	47.3	172.3	10,400	49.7	167.2	10,900*	180
190	41.1	163.2	8,600	43.7	161.0	9,100	45.9	155.4	9,500	190
200	37.3	150.5	7,500	39.8	148.0	7,900	41.9	141.9	8,200	200
210	33.0	135.7	6,500	35.5	132.9	6,800				210
220	28.2	118.0	5,500	30.6	114.8	5,800				220
230	22.5	95.8	4,600							230

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

70 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
180 Ft. BOOM										
50	80.6	255.6	27,300*							50
55	79.5	254.7	27,100*							55
60	78.3	253.6	26,800*							60
65	77.2	252.4	26,400*	80.0	250.9	23,800*				65
70	76.0	251.1	26,000*	78.8	249.6	23,500*				70
75	74.8	249.7	25,500*	77.6	248.2	23,100*	80.5	244.5	20,900*	75
80	73.6	248.2	25,100*	76.4	246.7	22,800*	79.3	242.9	20,700*	80
85	72.4	246.6	24,800*	75.2	245.0	22,500*	78.1	241.3	20,400*	85
90	71.2	244.8	24,400*	74.0	243.3	22,200*	76.8	239.5	20,200*	90
100	68.8	241.0	23,600*	71.5	239.4	21,600*	74.4	235.6	19,700*	100
110	66.3	236.6	22,900*	69.1	235.0	21,000*	71.8	231.1	18,600*	110
120	63.8	231.8	21,600	66.5	230.1	20,500*	69.2	226.1	17,600*	120
130	61.2	226.3	18,800	63.9	224.6	19,700	66.6	220.5	16,700*	130
140	58.5	220.3	16,400	61.2	218.5	17,200	63.8	214.3	16,000*	140
150	55.8	213.5	14,300	58.5	211.8	15,000	61.0	207.4	15,000*	150
160	53.0	206.1	12,500	55.6	204.2	13,200	58.1	199.7	13,300*	160
170	50.0	197.8	10,900	52.6	195.9	11,500	55.1	191.1	11,800*	170
180	46.9	188.7	9,500	49.5	186.6	10,000	51.8	181.6	10,400*	180
190	43.7	178.4	8,200	46.2	176.2	8,700	48.5	170.9	9,100*	190
200	40.2	166.8	7,100	42.7	164.5	7,500	44.8	158.8	7,900*	200
210	36.5	153.7	6,000	38.9	151.2	6,400				210
220	32.3	138.5	5,100	34.7	135.7	5,400				220
230	27.6	120.4	4,200	29.8	117.1	4,500				230



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

70 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
190 Ft. BOOM										
50	81.0	265.8	27,300*							50
55	79.9	264.9	27,200*							55
60	78.8	263.8	27,000*							60
65	77.7	262.7	26,600*	80.4	261.2	23,900*				65
70	76.5	261.5	26,100*	79.2	259.9	23,600*				70
75	75.4	260.1	25,700*	78.1	258.6	23,300*	80.9	254.8	21,000*	75
80	74.3	258.7	25,400*	77.0	257.1	23,000*	79.7	253.3	20,800*	80
85	73.1	257.1	25,000*	75.8	255.6	22,700*	78.6	251.8	20,500*	85
90	72.0	255.4	24,600*	74.6	253.9	22,300*	77.4	250.0	20,300*	90
100	69.6	251.8	23,900*	72.3	250.2	21,800*	75.0	246.3	19,800*	100
110	67.3	247.6	23,200*	69.9	246.0	21,200*	72.6	242.0	18,900*	110
120	64.9	243.0	21,100	67.5	241.3	20,600*	70.1	237.3	17,900*	120
130	62.4	237.8	18,300	65.0	236.1	19,300	67.6	232.0	17,100*	130
140	59.9	232.0	15,800	62.5	230.3	16,800	65.0	226.1	16,300*	140
150	57.3	225.7	13,700	59.9	223.9	14,600	62.3	219.5	14,800*	150
160	54.6	218.7	11,900	57.2	216.8	12,700	59.6	212.3	13,200*	160
170	51.9	210.9	10,300	54.4	209.0	11,000	56.7	204.3	11,600*	170
180	49.0	202.3	8,900	51.5	200.3	9,500	53.8	195.4	10,100	180
190	46.0	192.8	7,700	48.4	190.7	8,200	50.6	185.5	8,700	190
200	42.8	182.2	6,500	45.2	180.0	7,000	47.3	174.5	7,400	200
210	39.4	170.4	5,500	41.8	168.0	5,900	43.7	162.0	6,300	210
220	35.7	156.9	4,600	38.0	154.2	4,900				220
230				33.9	138.3	4,000				230

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
 Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

70 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
200 Ft. BOOM										
55	80.3	275.1	27,200*							55
60	79.2	274.1	27,100*							60
65	78.1	273.0	26,800*	80.7	271.4	24,100*				65
70	77.0	271.8	26,400*	79.6	270.2	23,700*				70
75	75.9	270.5	26,000*	78.5	268.9	23,400*				75
80	74.9	269.1	25,600*	77.4	267.5	23,100*	80.1	263.7	20,900*	80
85	73.8	267.6	25,200*	76.3	266.0	22,800*	79.0	262.2	20,600*	85
90	72.7	266.0	24,800*	75.2	264.4	22,500*	77.9	260.6	20,400*	90
100	70.4	262.5	24,100*	73.0	260.9	21,900*	75.6	256.9	19,900*	100
110	68.2	258.5	23,500*	70.7	256.9	21,400*	73.3	252.9	19,200*	110
120	65.9	254.0	20,800	68.4	252.4	20,900*	70.9	248.3	18,200*	120
130	63.5	249.1	17,900	66.0	247.4	19,000	68.5	243.3	17,400*	130
140	61.1	243.6	15,500	63.6	241.9	16,500	66.1	237.7	15,900*	140
150	58.6	237.6	13,400	61.1	235.8	14,300	63.5	231.5	14,100*	150
160	56.1	231.0	11,600	58.6	229.1	12,400	60.9	224.6	12,400*	160
170	53.5	223.6	10,000	56.0	221.8	10,700	58.3	217.1	10,900*	170
180	50.8	215.6	8,600	53.2	213.6	9,200	55.5	208.8	9,500*	180
190	48.0	206.7	7,300	50.4	204.7	7,900	52.6	199.6	8,300*	190
200	45.0	196.9	6,200	47.4	194.8	6,700	49.5	189.4	7,100*	200
210	41.9	186.0	5,200*	44.3	183.7	5,600	46.2	178.0	6,000*	210
220	38.6	173.8	4,100*	40.9	171.3	4,600*	42.7	165.2	4,900*	220



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

70 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
210 Ft. BOOM										
55	80.6	285.2	27,300*							55
60	79.6	284.3	27,100*							60
65	78.5	283.2	26,900*							65
70	77.5	282.1	26,500*	80.0	280.5	23,800*				70
75	76.5	280.8	26,100*	79.0	279.3	23,500*				75
80	75.4	279.5	25,700*	77.9	277.9	23,200*	80.5	274.1	20,900*	80
85	74.4	278.0	25,300*	76.8	276.5	22,900*	79.4	272.6	20,700*	85
90	73.3	276.5	25,000*	75.8	274.9	22,600*	78.3	271.0	20,400*	90
100	71.1	273.1	24,300*	73.6	271.5	22,000*	76.2	267.6	20,000*	100
110	69.0	269.3	23,600*	71.4	267.7	21,500*	73.9	263.7	19,500*	110
120	66.8	265.0	20,500	69.2	263.4	21,000*	71.7	259.3	18,500*	120
130	64.5	260.3	17,600	67.0	258.6	18,700	69.4	254.5	17,700*	130
140	62.2	255.1	15,200	64.6	253.4	16,200	67.0	249.1	16,900*	140
150	59.9	249.3	13,100	62.3	247.6	14,000	64.6	243.2	14,900	150
160	57.5	243.0	11,200	59.9	241.2	12,100	62.2	236.8	12,900	160
170	55.0	236.1	9,700	57.4	234.2	10,400	59.6	229.6	11,100	170
180	52.5	228.5	8,200	54.8	226.6	8,900	57.0	221.8	9,600	180
190	49.8	220.2	7,000	52.1	218.2	7,600	54.3	213.2	8,200	190
200	47.1	211.0	5,900	49.4	208.9	6,400	51.4	203.7	6,900	200
210	44.2	200.9	4,800	46.4	198.7	5,300	48.4	193.2	5,800	210
220				43.4	187.3	4,300	45.2	181.5	4,700	220

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
 Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

70 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
220 Ft. BOOM										
55	80.9	295.4	27,300*							55
60	79.9	294.5	27,200*							60
65	78.9	293.4	27,000*							65
70	77.9	292.3	26,600*	80.4	290.8	23,900*				70
75	76.9	291.1	26,300*	79.4	289.6	23,600*				75
80	75.9	289.9	25,900*	78.3	288.3	23,300*	80.8	284.4	21,000*	80
85	74.9	288.5	25,500*	77.3	286.9	23,000*	79.8	283.0	20,700*	85
90	73.9	287.0	25,200*	76.3	285.4	22,700*	78.8	281.5	20,500*	90
100	71.8	283.7	24,500*	74.2	282.1	22,200*	76.7	278.1	20,100*	100
110	69.7	280.1	23,500	72.1	278.4	21,700*	74.5	274.4	19,600*	110
120	67.6	276.0	20,100	70.0	274.3	21,200*	72.4	270.2	18,800*	120
130	65.5	271.4	17,200	67.8	269.7	18,400	70.2	265.6	17,900*	130
140	63.3	266.4	14,700	65.6	264.7	15,800	67.9	260.5	16,500*	140
150	61.0	260.9	12,600	63.4	259.2	13,600	65.6	254.8	14,500*	150
160	58.7	254.9	10,800	61.1	253.1	11,700	63.3	248.7	12,600	160
170	56.4	248.4	9,200	58.7	246.5	10,000	60.9	241.9	10,800	170
180	54.0	241.2	7,800	56.3	239.2	8,500	58.4	234.5	9,200	180
190	51.5	233.3	6,600	53.7	231.3	7,200	55.8	226.4	7,800	190
200	48.9	224.7	5,400	51.1	222.6	6,000	53.1	217.5	6,500*	200
210	46.2	215.2	4,400	48.4	213.1	4,900	50.4	207.7	5,300*	210
220				45.5	202.6	4,000	47.4	196.9	4,100*	220



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

80 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
80 Ft. BOOM										
35	80.3	167.0	20,600*							35
40	78.5	165.9	20,400*							40
45	76.7	164.7	20,300*							45
50	74.9	163.3	20,100*	79.9	162.3	19,700*				50
55	73.0	161.8	19,900*	78.1	160.7	19,500*				55
60	71.2	160.1	19,800*	76.2	159.0	19,000*				60
65	69.3	158.1	19,600*	74.3	157.1	18,500*	79.6	154.2	17,200*	65
70	67.3	156.0	19,400*	72.4	155.0	18,100*	77.7	152.0	16,800*	70
75	65.4	153.7	18,900*	70.4	152.6	17,600*	75.7	149.7	16,400*	75
80	63.4	151.2	18,400*	68.4	150.1	17,200*	73.6	147.1	16,000*	80
85	61.4	148.5	17,900*	66.4	147.3	16,800*	71.5	144.2	15,700*	85
90	59.4	145.5	17,500*	64.3	144.3	16,400*	69.4	141.2	15,200*	90
100	55.1	138.7	16,600*	60.0	137.5	15,600*	65.0	134.2	13,900*	100
110	50.6	130.8	15,800*	55.5	129.5	14,900*	60.3	126.0	12,800*	110
120	45.8	121.5	15,000*	50.6	120.1	14,300*	55.3	116.2	11,900*	120
130	40.5	110.4	14,300*	45.2	108.8	13,700*	49.7	104.5	11,100*	130
140	34.5	96.8	13,700*	39.2	95.0	13,000*	43.3	89.9	10,500*	140
150	27.4	79.3	13,100*	31.9	77.0	12,100*				150
160	17.7	53.8	12,700*							160
90 Ft. BOOM										
35	80.9	177.1	20,700*							35
40	79.2	176.2	20,500*							40
45	77.5	175.0	20,300*							45
50	75.8	173.7	20,200*	80.5	172.6	19,700*				50
55	74.0	172.3	20,000*	78.8	171.2	19,600*				55
60	72.3	170.7	19,900*	77.0	169.6	19,200*				60
65	70.5	168.9	19,700*	75.3	167.8	18,800*	80.3	164.7	17,300*	65
70	68.7	166.9	19,600*	73.5	165.8	18,300*	78.4	162.7	16,900*	70
75	66.9	164.8	19,300*	71.6	163.6	17,900*	76.6	160.5	16,600*	75
80	65.1	162.4	18,800*	69.8	161.2	17,500*	74.7	158.1	16,200*	80
85	63.2	159.9	18,300*	67.9	158.7	17,100*	72.8	155.5	15,900*	85
90	61.3	157.1	17,900*	66.0	155.9	16,700*	70.8	152.6	15,500*	90
100	57.4	150.9	17,000*	62.1	149.7	16,000*	66.8	146.3	14,400*	100
110	53.3	143.7	16,200*	57.9	142.4	15,300*	62.5	138.8	13,300*	110
120	49.0	135.4	15,500*	53.5	133.9	14,700*	58.0	130.1	12,400*	120
130	44.3	125.5	14,800*	48.8	124.0	14,100*	53.1	119.8	11,600*	130
140	39.2	113.9	14,200*	43.6	112.2	13,600*	47.8	107.5	10,900*	140
150	33.4	99.7	13,600*	37.8	97.8	12,800*	41.6	92.3	10,300*	150
160	26.6	81.6	13,100*	30.7	79.1	12,000*				160

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

80 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
100 Ft. BOOM										
40	79.8	186.4	20,600*							40
45	78.2	185.3	20,400*							45
50	76.6	184.1	20,300*							50
55	74.9	182.7	20,100*	79.4	181.6	19,600*				55
60	73.3	181.2	20,000*	77.8	180.0	19,400*				60
65	71.6	179.5	19,800*	76.1	178.3	19,000*	80.9	175.2	17,400*	65
70	70.0	177.7	19,700*	74.4	176.5	18,600*	79.1	173.3	17,100*	70
75	68.3	175.7	19,600*	72.7	174.5	18,100*	77.4	171.3	16,700*	75
80	66.6	173.5	19,200*	71.0	172.3	17,700*	75.6	169.0	16,400*	80
85	64.8	171.1	18,700*	69.3	169.9	17,400*	73.8	166.6	16,000*	85
90	63.1	168.5	18,300*	67.5	167.3	17,000*	72.0	163.9	15,700*	90
100	59.4	162.8	17,500*	63.8	161.5	16,300*	68.3	158.0	14,900*	100
110	55.7	156.2	16,700*	60.0	154.8	15,600*	64.4	151.2	13,800*	110
120	51.7	148.5	16,000*	56.0	147.1	15,000*	60.3	143.3	12,800*	120
130	47.5	139.7	15,300*	51.8	138.2	14,400*	55.9	134.1	12,000*	130
140	43.0	129.4	14,600*	47.2	127.8	13,900*	51.2	123.3	11,300*	140
150	38.1	117.3	14,000*	42.2	115.5	13,400*	46.0	110.4	10,700*	150
160	32.5	102.6	13,500*	36.5	100.5	12,600*	39.9	94.6	10,200*	160
170	25.8	83.8	13,000*	29.6	81.2	11,900*				170
110 Ft. BOOM										
40	80.3	196.6	20,600*							40
45	78.8	195.5	20,500*							45
50	77.3	194.4	20,300*							50
55	75.7	193.1	20,200*	80.0	191.9	19,700*				55
60	74.2	191.7	20,000*	78.5	190.5	19,600*				60
65	72.6	190.1	19,900*	76.9	188.9	19,200*				65
70	71.1	188.3	19,800*	75.3	187.1	18,800*	79.8	183.9	17,200*	70
75	69.5	186.4	19,600*	73.7	185.2	18,400*	78.1	181.9	16,900*	75
80	67.9	184.4	19,500*	72.1	183.2	18,000*	76.5	179.8	16,500*	80
85	66.2	182.2	19,100*	70.4	180.9	17,600*	74.8	177.5	16,200*	85
90	64.6	179.8	18,700*	68.8	178.5	17,300*	73.1	175.1	15,900*	90
100	61.2	174.4	17,900*	65.4	173.1	16,600*	69.6	169.6	15,300*	100
110	57.7	168.3	17,100*	61.8	166.9	15,900*	66.0	163.2	14,200*	110
120	54.1	161.3	16,400*	58.2	159.8	15,300*	62.2	156.0	13,200*	120
130	50.2	153.2	15,700*	54.3	151.7	14,800*	58.3	147.6	12,400*	130
140	46.2	143.9	15,100*	50.2	142.3	14,200*	54.0	137.9	11,700*	140
150	41.8	133.2	14,500*	45.8	131.5	13,800*	49.4	126.7	11,100*	150
160	37.0	120.6	13,900*	40.9	118.6	13,200*	44.3	113.3	10,500*	160
170	31.6	105.3	13,400*	35.3	103.1	12,500*				170
180	25.1	86.0	12,000	28.6	83.1	11,800*				180



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

80 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
120 Ft. BOOM										
40	80.8	206.7	20,700*							40
45	79.4	205.8	20,500*							45
50	77.9	204.7	20,400*							50
55	76.5	203.4	20,300*	80.5	202.2	19,700*				55
60	75.0	202.1	20,100*	79.1	200.9	19,600*				60
65	73.5	200.6	20,000*	77.6	199.3	19,400*				65
70	72.0	198.9	19,800*	76.1	197.7	19,000*	80.3	194.3	17,300*	70
75	70.5	197.2	19,700*	74.5	195.9	18,600*	78.8	192.5	17,000*	75
80	69.0	195.2	19,600*	73.0	193.9	18,200*	77.2	190.5	16,700*	80
85	67.5	193.1	19,400*	71.5	191.8	17,800*	75.6	188.4	16,400*	85
90	65.9	190.9	19,000*	69.9	189.6	17,500*	74.0	186.1	16,100*	90
100	62.8	185.9	18,200*	66.7	184.5	16,800*	70.8	180.9	15,500*	100
110	59.5	180.1	17,500*	63.4	178.7	16,200*	67.4	175.0	14,600*	110
120	56.1	173.6	16,800*	60.0	172.2	15,600*	63.9	168.3	13,600*	120
130	52.6	166.2	16,100*	56.5	164.7	15,100*	60.3	160.6	12,800*	130
140	48.9	157.7	15,500*	52.7	156.1	14,600*	56.4	151.8	12,100*	140
150	44.9	148.0	14,900*	48.7	146.3	14,100*	52.3	141.7	11,400*	150
160	40.7	136.9	14,300*	44.4	135.0	13,600*	47.8	129.9	10,900*	160
170	36.0	123.8	13,200	39.7	121.7	13,100*	42.9	116.0	10,400*	170
180	30.7	108.0	11,800	34.3	105.6	12,100				180
190	24.4	88.1	10,500							190

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
 Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

80 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
130 Ft. BOOM										
45	79.9	216.0	20,600*							45
50	78.5	214.9	20,500*							50
55	77.1	213.8	20,300*	81.0	212.5	19,700*				55
60	75.7	212.5	20,200*	79.6	211.2	19,600*				60
65	74.3	211.0	20,100*	78.2	209.8	19,500*				65
70	72.9	209.5	19,900*	76.8	208.2	19,100*	80.8	204.8	17,400*	70
75	71.5	207.8	19,800*	75.3	206.5	18,800*	79.3	203.0	17,100*	75
80	70.0	206.0	19,700*	73.9	204.7	18,400*	77.9	201.1	16,800*	80
85	68.6	204.0	19,600*	72.4	202.7	18,100*	76.4	199.1	16,500*	85
90	67.1	201.9	19,300*	70.9	200.5	17,700*	74.9	196.9	16,200*	90
100	64.1	197.1	18,600*	67.9	195.8	17,100*	71.8	192.1	15,700*	100
110	61.1	191.8	17,800*	64.8	190.3	16,500*	68.6	186.6	15,000*	110
120	57.9	185.6	17,200*	61.7	184.2	15,900*	65.4	180.3	14,000*	120
130	54.6	178.7	16,500*	58.3	177.2	15,300*	62.0	173.1	13,200*	130
140	51.2	170.9	15,900*	54.9	169.3	14,800*	58.5	165.0	12,400*	140
150	47.6	162.1	15,300*	51.2	160.4	14,400*	54.7	155.9	11,800*	150
160	43.8	152.0	14,400	47.4	150.2	13,900*	50.7	145.3	11,200*	160
170	39.6	140.4	12,800	43.2	138.5	13,300	46.4	133.1	10,700*	170
180	35.1	126.9	11,400	38.6	124.7	11,800	41.5	118.7	10,300*	180
190	30.0	110.7	10,200	33.3	108.1	10,500				190
200	23.8	90.1	9,000							200

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**Meets
ANSI B30.5
Requirements**777 SERIES 2**

Jib No. 134 with 12 Ft. 6 in. Strut on

Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

80 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
140 Ft. BOOM										
45	80.3	226.1	20,600*							45
50	79.0	225.1	20,500*							50
55	77.7	224.0	20,400*							55
60	76.4	222.8	20,200*	80.1	221.5	19,700*				60
65	75.0	221.5	20,100*	78.7	220.2	19,600*				65
70	73.7	220.0	20,000*	77.4	218.7	19,300*				70
75	72.4	218.4	19,900*	76.0	217.0	19,000*	79.8	213.5	17,200*	75
80	71.0	216.6	19,800*	74.6	215.3	18,600*	78.4	211.7	16,900*	80
85	69.6	214.7	19,700*	73.3	213.4	18,300*	77.0	209.8	16,600*	85
90	68.2	212.7	19,600*	71.9	211.4	17,900*	75.6	207.7	16,400*	90
100	65.4	208.3	18,900*	69.0	206.9	17,300*	72.7	203.1	15,800*	100
110	62.5	203.2	18,200*	66.1	201.8	16,700*	69.8	197.9	15,300*	110
120	59.5	197.5	17,500*	63.1	196.0	16,100*	66.7	192.0	14,400*	120
130	56.5	191.0	16,900*	60.0	189.5	15,600*	63.5	185.4	13,500*	130
140	53.3	183.7	16,200*	56.8	182.1	15,100*	60.2	177.9	12,800*	140
150	49.9	175.6	15,700*	53.4	173.9	14,600*	56.8	169.4	12,100*	150
160	46.4	166.3	14,000	49.9	164.6	14,200*	53.1	159.8	11,600*	160
170	42.7	155.9	12,400	46.1	154.0	12,900	49.2	148.9	11,100*	170
180	38.7	143.9	11,000	42.0	141.8	11,500	45.0	136.2	10,600*	180
190	34.3	129.9	9,700	37.5	127.6	10,100	40.3	121.3	10,200*	190
200	29.2	113.2	8,600	32.4	110.6	8,900				200
210	23.2	92.1	7,600							210

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
 Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

80 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
150 Ft. BOOM										
45	80.8	236.3	20,700*							45
50	79.5	235.4	20,600*							50
55	78.2	234.3	20,400*							55
60	77.0	233.1	20,300*	80.5	231.8	19,700*				60
65	75.7	231.8	20,200*	79.2	230.5	19,600*				65
70	74.4	230.4	20,100*	77.9	229.1	19,500*				70
75	73.1	228.9	20,000*	76.6	227.5	19,100*	80.3	223.9	17,300*	75
80	71.8	227.2	19,800*	75.3	225.9	18,800*	79.0	222.2	17,000*	80
85	70.5	225.4	19,700*	74.0	224.1	18,400*	77.6	220.4	16,700*	85
90	69.2	223.5	19,600*	72.7	222.1	18,100*	76.3	218.4	16,500*	90
100	66.5	219.3	19,200*	70.0	217.9	17,500*	73.5	214.1	16,000*	100
110	63.8	214.5	18,500*	67.2	213.0	17,000*	70.7	209.2	15,500*	110
120	61.0	209.1	17,800*	64.4	207.6	16,400*	67.9	203.6	14,700*	120
130	58.1	203.0	17,200*	61.5	201.5	15,900*	64.9	197.4	13,900*	130
140	55.1	196.2	16,600*	58.5	194.6	15,400*	61.8	190.3	13,100*	140
150	52.0	188.6	15,400	55.4	186.9	14,900*	58.6	182.5	12,500*	150
160	48.8	180.1	13,600	52.1	178.3	14,300	55.2	173.6	11,900*	160
170	45.4	170.5	12,000	48.6	168.7	12,600	51.7	163.7	11,400*	170
180	41.7	159.7	10,600	45.0	157.7	11,200	47.9	152.3	10,900*	180
190	37.8	147.3	9,400	41.0	145.1	9,800	43.7	139.3	10,200	190
200	33.5	132.9	8,300	36.6	130.5	8,600				200
210	28.6	115.7	7,200	31.6	112.9	7,500				210
220	22.7	94.1	6,300							220



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

80 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
160 Ft. BOOM										
50	79.9	245.5	20,600*							50
55	78.7	244.5	20,500*							55
60	77.5	243.4	20,400*	80.9	242.1	19,700*				60
65	76.3	242.2	20,200*	79.7	240.8	19,600*				65
70	75.1	240.8	20,100*	78.5	239.5	19,600*				70
75	73.9	239.4	20,000*	77.2	238.0	19,300*	80.7	234.3	17,400*	75
80	72.6	237.8	19,900*	76.0	236.4	18,900*	79.5	232.7	17,100*	80
85	71.4	236.1	19,800*	74.7	234.7	18,600*	78.2	230.9	16,900*	85
90	70.1	234.2	19,700*	73.4	232.8	18,300*	76.9	229.1	16,600*	90
100	67.6	230.2	19,500*	70.9	228.8	17,700*	74.3	225.0	16,100*	100
110	65.0	225.7	18,800*	68.3	224.2	17,200*	71.6	220.3	15,600*	110
120	62.3	220.5	18,100*	65.6	219.0	16,600*	68.9	215.0	15,000*	120
130	59.6	214.8	17,500*	62.8	213.2	16,100*	66.1	209.1	14,200*	130
140	56.8	208.4	16,900*	60.0	206.8	15,600*	63.2	202.5	13,500*	140
150	53.9	201.3	15,100	57.1	199.6	15,100*	60.2	195.2	12,800*	150
160	50.8	193.3	13,300	54.0	191.6	14,000	57.1	187.0	12,200*	160
170	47.7	184.5	11,700	50.8	182.7	12,300	53.8	177.8	11,700*	170
180	44.3	174.5	10,300	47.5	172.6	10,900	50.3	167.4	11,200*	180
190	40.8	163.3	9,100	43.9	161.3	9,600	46.6	155.7	10,000	190
200	37.0	150.6	7,900	40.0	148.4	8,400	42.6	142.2	8,700	200
210	32.7	135.8	6,900	35.7	133.3	7,300				210
220	27.9	118.2	6,000	30.8	115.3	6,300				220
230	22.2	96.0	5,100							230

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

80 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
170 Ft. BOOM										
50	80.4	255.7	20,600*							50
55	79.2	254.7	20,500*							55
60	78.0	253.7	20,400*							60
65	76.9	252.5	20,300*	80.1	251.1	19,700*				65
70	75.7	251.2	20,200*	78.9	249.8	19,600*				70
75	74.5	249.8	20,100*	77.7	248.4	19,400*				75
80	73.3	248.3	20,000*	76.6	246.9	19,100*	79.9	243.1	17,200*	80
85	72.1	246.6	19,900*	75.4	245.2	18,800*	78.7	241.5	17,000*	85
90	70.9	244.9	19,800*	74.1	243.5	18,500*	77.5	239.7	16,700*	90
100	68.5	241.1	19,600*	71.7	239.6	17,900*	75.0	235.7	16,200*	100
110	66.0	236.7	19,100*	69.2	235.2	17,400*	72.4	231.3	15,800*	110
120	63.5	231.8	18,400*	66.7	230.3	16,800*	69.9	226.3	15,300*	120
130	60.9	226.4	17,800*	64.1	224.8	16,300*	67.2	220.7	14,500*	130
140	58.3	220.3	16,800	61.4	218.8	15,800*	64.5	214.5	13,800*	140
150	55.5	213.6	14,700	58.6	212.0	15,400*	61.7	207.6	13,100*	150
160	52.7	206.2	12,900	55.8	204.5	13,700	58.7	199.9	12,500*	160
170	49.7	197.9	11,300	52.8	196.1	12,000	55.7	191.4	12,000*	170
180	46.7	188.7	9,900	49.7	186.9	10,600	52.5	181.8	10,800*	180
190	43.4	178.5	8,700	46.4	176.5	9,200	49.1	171.1	9,600*	190
200	39.9	166.9	7,600	42.9	164.8	8,000	45.5	159.0	8,500*	200
210	36.2	153.8	6,600	39.1	151.5	7,000	41.5	145.1	7,300	210
220	32.1	138.6	5,600	34.9	136.0	6,000				220
230	27.4	120.5	4,800	30.1	117.5	5,100				230
240	21.7	97.9	4,000							240



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

80 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
180 Ft. BOOM										
50	80.7	265.9	20,700*							50
55	79.6	264.9	20,600*							55
60	78.5	263.9	20,500*							60
65	77.4	262.8	20,400*	80.5	261.4	19,700*				65
70	76.3	261.5	20,200*	79.4	260.1	19,600*				70
75	75.1	260.2	20,100*	78.2	258.8	19,500*				75
80	74.0	258.7	20,000*	77.1	257.3	19,200*	80.3	253.5	17,300*	80
85	72.8	257.2	19,900*	75.9	255.8	18,900*	79.2	251.9	17,000*	85
90	71.7	255.5	19,800*	74.8	254.1	18,600*	78.0	250.2	16,800*	90
100	69.4	251.8	19,600*	72.4	250.4	18,100*	75.6	246.4	16,300*	100
110	67.0	247.7	19,300*	70.1	246.2	17,500*	73.2	242.2	15,900*	110
120	64.6	243.0	18,700*	67.6	241.5	17,000*	70.7	237.4	15,500*	120
130	62.1	237.8	18,100*	65.2	236.3	16,500*	68.2	232.1	14,800*	130
140	59.6	232.1	16,400	62.6	230.5	16,100*	65.6	226.2	14,100*	140
150	57.0	225.8	14,300	60.0	224.1	15,200	62.9	219.7	13,400*	150
160	54.3	218.7	12,500	57.3	217.0	13,300	60.2	212.5	12,800*	160
170	51.6	211.0	10,900	54.5	209.2	11,600	57.3	204.5	11,700*	170
180	48.7	202.4	9,500	51.6	200.6	10,200	54.4	195.6	10,300*	180
190	45.7	192.9	8,300	48.6	191.0	8,900	51.2	185.8	9,100*	190
200	42.5	182.3	7,100	45.4	180.3	7,700	47.9	174.7	7,900*	200
210	39.1	170.5	6,100	41.9	168.3	6,600	44.4	162.3	6,900*	210
220	35.5	157.0	5,200	38.2	154.6	5,600	40.5	148.0	5,900*	220
230	31.4	141.4	4,400	34.1	138.7	4,700				230

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
 Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

80 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
190 Ft. BOOM										
55	80.0	275.1	20,600*							55
60	78.9	274.1	20,500*							60
65	77.8	273.0	20,400*	80.9	271.6	19,700*				65
70	76.8	271.8	20,300*	79.8	270.4	19,700*				70
75	75.7	270.6	20,200*	78.7	269.1	19,600*				75
80	74.6	269.2	20,100*	77.6	267.7	19,400*	80.7	263.9	17,400*	80
85	73.5	267.7	20,000*	76.5	266.2	19,100*	79.6	262.3	17,100*	85
90	72.4	266.1	19,900*	75.4	264.6	18,800*	78.5	260.7	16,900*	90
100	70.2	262.5	19,700*	73.1	261.1	18,200*	76.2	257.1	16,400*	100
110	67.9	258.6	19,500*	70.8	257.1	17,700*	73.9	253.0	16,000*	110
120	65.6	254.1	18,900*	68.5	252.6	17,200*	71.5	248.5	15,600*	120
130	63.2	249.2	18,300	66.2	247.6	16,700*	69.1	243.4	15,100*	130
140	60.8	243.7	15,800	63.7	242.1	16,300*	66.6	237.8	14,400*	140
150	58.4	237.7	13,800	61.3	236.0	14,700	64.1	231.6	13,700*	150
160	55.9	231.0	12,000	58.7	229.4	12,800	61.5	224.8	12,900*	160
170	53.3	223.7	10,400	56.1	222.0	11,200	58.8	217.3	11,500*	170
180	50.6	215.7	9,000	53.4	213.9	9,700	56.1	209.0	10,100*	180
190	47.7	206.8	7,700	50.5	204.9	8,400	53.1	199.8	8,900*	190
200	44.8	197.0	6,600	47.6	195.0	7,200	50.1	189.6	7,700	200
210	41.7	186.1	5,600	44.4	184.0	6,100	46.8	178.3	6,600	210
220	38.4	173.9	4,700	41.1	171.6	5,100	43.3	165.4	5,500	220
230				37.4	157.6	4,200	39.5	150.8	4,500	230



Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Jib Capacities

Meets
ANSI B30.5
Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

80 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
200 Ft. BOOM										
55	80.4	285.3	20,700*							55
60	79.3	284.3	20,600*							60
65	78.3	283.3	20,400*							65
70	77.2	282.1	20,300*	80.1	280.7	19,700*				70
75	76.2	280.9	20,200*	79.1	279.4	19,600*				75
80	75.1	279.6	20,100*	78.0	278.1	19,500*				80
85	74.1	278.1	20,000*	77.0	276.7	19,200*	80.0	272.7	17,200*	85
90	73.0	276.6	20,000*	75.9	275.1	18,900*	78.9	271.2	17,000*	90
100	70.9	273.2	19,800*	73.8	271.7	18,400*	76.7	267.7	16,500*	100
110	68.7	269.4	19,500*	71.6	267.9	17,900*	74.5	263.8	16,100*	110
120	66.5	265.1	18,800*	69.3	263.6	17,400*	72.2	259.4	15,700*	120
130	64.3	260.4	17,900	67.1	258.8	16,900*	69.9	254.6	15,300*	130
140	62.0	255.2	15,500	64.8	253.6	16,500*	67.6	249.3	14,600*	140
150	59.6	249.4	13,400	62.4	247.8	14,400	65.2	243.4	13,800*	150
160	57.2	243.1	11,600	60.0	241.4	12,500	62.7	236.9	12,200*	160
170	54.8	236.2	10,000	57.5	234.5	10,900	60.2	229.8	10,800*	170
180	52.2	228.6	8,600	55.0	226.8	9,400	57.6	222.0	9,400*	180
190	49.6	220.3	7,400	52.3	218.4	8,100	54.8	213.4	8,200*	190
200	46.8	211.1	6,200	49.5	209.2	6,900	52.0	203.9	7,100*	200
210	43.9	201.0	5,200	46.6	199.0	5,800	49.0	193.4	6,100*	210
220	40.9	189.8	4,200*	43.5	187.6	4,800*	45.8	181.7	5,000*	220
230							42.4	168.5	4,000*	230

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**

Meets ANSI B30.5 Requirements

777 SERIES 2

Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

80 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
210 Ft. BOOM										
55	80.7	295.5	20,700*							55
60	79.7	294.5	20,600*							60
65	78.7	293.5	20,500*							65
70	77.7	292.4	20,400*	80.5	291.0	19,700*				70
75	76.7	291.2	20,300*	79.5	289.7	19,600*				75
80	75.7	289.9	20,200*	78.5	288.5	19,500*				80
85	74.7	288.5	20,100*	77.4	287.1	19,300*	80.3	283.1	17,300*	85
90	73.6	287.1	20,000*	76.4	285.6	19,000*	79.3	281.6	17,000*	90
100	71.6	283.8	19,800*	74.3	282.3	18,500*	77.2	278.3	16,600*	100
110	69.5	280.1	19,200*	72.2	278.6	18,000*	75.1	274.5	16,200*	110
120	67.4	276.0	18,800*	70.1	274.5	17,500*	72.9	270.3	15,800*	120
130	65.2	271.5	17,600	67.9	269.9	17,000*	70.7	265.7	15,400*	130
140	63.0	266.5	15,200	65.7	264.9	16,300	68.5	260.6	14,900*	140
150	60.8	261.0	13,100	63.5	259.4	14,100	66.2	255.0	14,200*	150
160	58.5	255.0	11,300	61.2	253.3	12,200	63.8	248.8	13,200	160
170	56.1	248.4	9,700	58.8	246.7	10,600	61.4	242.1	11,400	170
180	53.7	241.2	8,300	56.4	239.5	9,100	58.9	234.7	9,800	180
190	51.2	233.4	7,000	53.9	231.5	7,800	56.4	226.6	8,400	190
200	48.7	224.8	5,900	51.3	222.9	6,600	53.7	217.7	7,200	200
210	46.0	215.3	4,900	48.5	213.3	5,500	50.9	207.9	6,000	210
220	43.1	204.9	4,000	45.7	202.8	4,500	48.0	197.1	5,000*	220
230							44.8	185.1	4,000*	230

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Jib Capacities**Meets
ANSI B30.5
Requirements**777 SERIES 2**Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

80 Ft. Jib

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
220 Ft. BOOM										
55	81.0	305.6	20,700*							55
60	80.0	304.7	20,600*							60
65	79.1	303.7	20,500*							65
70	78.1	302.7	20,400*	80.8	301.2	19,700*				70
75	77.1	301.5	20,300*	79.8	300.0	19,600*				75
80	76.2	300.3	20,200*	78.9	298.8	19,600*				80
85	75.2	298.9	20,100*	77.9	297.4	19,400*	80.7	293.4	17,300*	85
90	74.2	297.5	20,000*	76.9	296.0	19,100*	79.7	292.0	17,100*	90
100	72.2	294.4	19,800*	74.9	292.8	18,600*	77.6	288.8	16,700*	100
110	70.2	290.8	19,100*	72.9	289.3	18,100*	75.6	285.2	16,300*	110
120	68.2	286.9	18,500*	70.8	285.3	17,700*	73.5	281.2	15,900*	120
130	66.1	282.5	17,200	68.7	281.0	17,200*	71.4	276.7	15,600*	130
140	64.0	277.7	14,700	66.6	276.1	16,000	69.3	271.8	15,200*	140
150	61.8	272.5	12,700	64.5	270.9	13,800	67.1	266.4	14,300*	150
160	59.7	266.7	10,800	62.3	265.1	11,900	64.8	260.6	12,600*	160
170	57.4	260.5	9,300	60.0	258.8	10,200	62.5	254.1	11,000*	170
180	55.1	253.6	7,900	57.7	251.9	8,700	60.2	247.1	9,500*	180
190	52.8	246.2	6,600	55.3	244.4	7,400	57.7	239.4	8,000*	190
200	50.3	238.1	5,500	52.9	236.2	6,200	55.2	231.1	6,600*	200
210	47.8	229.2	4,500	50.3	227.2	5,100	52.6	221.9	5,400*	210
220				47.6	217.4	4,100	49.9	211.9	4,200*	220



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

777 SERIES 2

LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom angles, luffing jib lengths, and luffing 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 (*). Capacities indicated by (b) require 2,825 Lb. minimum block weight.

Lower boom point assembly must be completely removed on 180 Ft. boom length.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and luffing jib point sheaves, is considered part of luffing jib load. Boom and luffing 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.

OPERATING CONDITIONS: Machine to operate on a firm uniformly supporting surface with bearing turntable level within a tolerance of 1/2 in. in 10 Ft. During operation, boom must be maintained at one of the selected angles shown in chart. Refer to luffing jib assembly **No. 179420**, Wire Rope Specification chart **No. 7984-A** and Luffing Jib Raising Procedure chart **No. 7986-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. Refer to operators manual for operating guidelines.

MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface with boom and luffing jib within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 7987-A**.

OPERATING RADIUS: 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 butt and inserts. Luffing jib angle is angle between horizontal and centerline of luffing jib butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

LUFFING JIB POINT ELEVATION: Luffing jib point elevation is vertical distance from ground level to centerline of luffing jib point shaft.

MACHINE EQUIPMENT: Machine equipped with 24 Ft. 9 in. crawlers, 38 in. or 48 in. treads, two 12 in. boom hoist cylinders, 26 Ft. mast, four 1-1/4 in. boom pendants, 7 part luffing jib hoist reeving, two 1-1/2 in. luffing jib pendants, two 1-3/8 in. luffing jib backstays, 142,000 Lb. crane counterweight and two 22,000 Lb. carbody counterweights.

Consult chart **No. 7983-A** for lifting off lower boom point with luffing jib attached. Chart **No. 7983-A** cannot be used when fixed jib No. 138 is attached to luffing jib No. 139.

Deduct From Luffing Jib Capacities When Fixed Jib Is Attached	
Fixed Jib Length	Fixed Jib No.138
30 Ft.	2,300 Lbs.
40 Ft.	2,700 Lbs.
50 Ft.	3,100 Lbs.
60 Ft.	3,600 Lbs.



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Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

70 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
30	70.9	146.0	104,600 *b																			30
35	66.5	144.1	100,100 *b																			35
40	61.9	141.7	94,700 *b	67.6	144.1	102,000 *b																40
45	57.2	138.7	84,600 *	63.1	141.8	96,100 *b	66.5	142.9	96,000 b													45
50	52.1	135.2	73,500 *	58.4	139.0	85,100 *	61.9	140.5	83,900 b													50
55	46.8	130.9	64,800 *	53.5	135.6	75,900	57.2	137.6	74,300	63.0	139.6	71,700 b										55
60	40.8	125.7	57,600 *	48.2	131.5	67,100 *	52.2	134.0	66,600	58.3	136.8	64,300										60
65	34.1	119.2	51,700 *	42.4	126.6	59,600 *	46.8	129.7	60,300	53.4	133.4	58,200										65
70	25.9	110.5	46,600 *	36.0	120.4	53,400 *	40.9	124.5	55,000	48.1	129.3	53,100	54.4	132.2	51,200							70
75	13.9	96.7	39,800 *	28.3	112.5	48,100 *	34.2	118.0	50,500	42.3	124.4	48,700	49.2	128.2	47,000							75
80				17.8	100.7	43,400 *	26.0	109.4	46,600	35.8	118.2	45,000	43.5	123.5	43,300	50.0	126.4	41,700				80
85							14.0	95.7	42,400 *	28.1	110.2	41,700	37.2	117.6	40,200	44.5	121.8	38,700				85
90										17.5	98.3	38,800	29.8	110.0	37,400	38.3	116.1	36,000	45.1	119.4	34,700	90
95													20.0	99.2	34,900	31.1	108.9	33,600	39.0	113.8	32,400	95
100																21.9	98.8	31,500	31.9	106.8	30,300	100
105																1.7	74.8	29,500	23.1	97.2	28,500	105
110																			7.5	78.9	26,700	110



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

70 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
30	73.3	156.6	95,900 *b																			30
35	69.5	154.9	91,800 *b																			35
40	65.7	152.8	88,000 *	70.5	154.8	93,200 *b																40
45	61.7	150.3	84,500 *	66.7	152.8	89,600 *																45
50	57.5	147.4	73,600 *	62.7	150.4	84,500 *	65.7	151.6	83,500													50
55	53.2	144.0	64,900 *	58.6	147.6	75,600	61.7	149.2	74,000													55
60	48.6	139.9	57,800 *	54.3	144.3	67,200 *	57.6	146.2	66,300	62.6	148.3	64,000										60
65	43.6	135.1	51,900 *	49.8	140.4	59,700 *	53.2	142.8	60,000	58.5	145.5	57,900										65
70	38.1	129.3	47,000 *	44.9	135.8	53,500 *	48.6	138.7	54,700	54.2	142.2	52,700										70
75	31.9	122.1	42,700 *	39.6	130.3	48,400 *	43.6	133.9	50,200	49.7	138.3	48,400	55.1	140.9	46,600							75
80	24.2	112.7	38,900 *	33.6	123.6	43,900 *	38.1	128.1	46,300	44.8	133.6	44,700	50.6	137.1	43,000							80
85	13.0	97.9	33,600 *	26.4	114.9	40,100 *	31.9	121.0	43,000	39.5	128.1	41,400	45.8	132.6	39,800	51.3	135.3	38,300				85
90				16.6	102.2	36,500 *	24.3	111.6	39,200 *	33.4	121.3	38,500	40.6	127.3	37,100	46.6	130.9	35,700				90
95							13.1	96.8	35,800 *	26.2	112.6	36,000	34.7	120.8	34,600	41.4	125.7	33,300	47.1	128.4	32,000	95
100										16.3	99.8	33,700	27.8	112.6	32,400	35.7	119.5	31,200	42.0	123.4	30,000	100
105													18.7	100.9	30,400	29.0	111.6	29,300	36.4	117.2	28,100	105
110																20.4	100.7	27,500	29.8	109.6	26,500	110
115																1.6	75.0	25,900	21.6	99.2	25,000	115
120																			7.0	79.5	23,500	120



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

70 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
30	75.2	166.9	86,100 *b																			30
35	71.9	165.5	82,100 *b																			35
40	68.5	163.7	78,100 *																			40
45	65.1	161.5	74,500 *	69.4	163.6	79,400 *																45
50	61.5	159.0	71,200 *	66.0	161.5	75,900 *																50
55	57.8	156.1	65,400 *	62.4	159.1	72,600 *	65.1	160.3	73,800													55
60	54.0	152.7	58,200 *	58.8	156.3	67,600	61.5	157.8	66,100													60
65	49.9	148.8	52,300 *	55.0	153.0	60,200 *	57.8	154.9	59,800	62.3	157.0	57,600										65
70	45.6	144.2	47,300 *	51.0	149.3	53,900 *	54.0	151.5	54,500	58.7	154.2	52,500										70
75	41.0	138.9	43,100 *	46.8	144.9	48,700 *	49.9	147.6	50,000	54.9	150.9	48,200										75
80	35.8	132.6	39,400 *	42.2	139.8	44,300 *	45.6	143.1	46,200	50.9	147.1	44,400	55.7	149.6	42,700							80
85	30.0	124.9	36,200 *	37.2	133.8	40,500 *	41.0	137.8	42,800	46.7	142.7	41,200	51.7	145.9	39,600							85
90	22.8	114.8	33,300 *	31.6	126.5	37,100 *	35.9	131.5	39,700 *	42.1	137.6	38,300	47.5	141.7	36,900	52.4	144.0	35,400				90
95	12.2	99.0	29,000 *	24.9	117.2	34,100 *	30.0	123.8	36,500 *	37.1	131.6	35,800	43.0	136.7	34,400	48.2	139.9	33,100				95
100				15.7	103.6	31,400 *	22.9	113.7	33,500 *	31.5	124.2	33,500	38.2	130.9	32,200	43.8	135.1	31,000				100
105							12.3	98.0	30,800 *	24.7	114.9	31,500	32.7	123.8	30,300	39.0	129.4	29,100	44.3	132.6	27,900	105
110										15.4	101.2	29,600	26.2	115.0	28,500	33.6	122.6	27,400	39.5	127.1	26,300	110
115													17.6	102.5	26,900	27.3	114.1	25,800	34.2	120.4	24,800	115
120																19.2	102.4	24,400	28.1	112.1	23,400	120
125																1.5	75.1	23,000	20.3	101.0	22,100	125
130																			6.6	80.1	20,900	130



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

70 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	73.8	175.9	76,300 *b																			35
40	70.8	174.3	73,000 *																			40
45	67.7	172.4	69,400 *																			45
50	64.6	170.2	66,200 *	68.5	172.4	70,600 *																50
55	61.3	167.7	63,200 *	65.4	170.2	67,400 *	67.7	171.3	69,600 *													55
60	58.0	164.7	58,100 *	62.2	167.8	64,400 *	64.6	169.0	65,800													60
65	54.6	161.4	52,200 *	58.9	165.0	60,000 *	61.4	166.5	59,500													65
70	51.0	157.6	47,300 *	55.5	161.7	53,800 *	58.0	163.6	54,200	62.1	165.7	52,200										70
75	47.2	153.3	43,000 *	51.9	158.1	48,600 *	54.6	160.2	49,700	58.8	162.8	47,800										75
80	43.2	148.3	39,400 *	48.2	153.9	44,200 *	51.0	156.4	45,900	55.4	159.6	44,100										80
85	38.8	142.6	36,200 *	44.2	149.1	40,400 *	47.2	152.1	42,500	51.9	155.9	40,900	56.1	158.3	39,200							85
90	34.0	135.8	33,400 *	39.9	143.5	37,100 *	43.2	147.1	39,500	48.1	151.7	38,000	52.6	154.7	36,500							90
95	28.4	127.5	30,800 *	35.3	137.1	34,200 *	38.8	141.4	36,500 *	44.1	146.9	35,500	48.9	150.6	34,100							95
100	21.6	116.8	28,500 *	29.9	129.2	31,600 *	34.0	134.6	33,600 *	39.9	141.3	33,200	44.9	145.9	31,900	49.5	148.8	30,600				100
105	11.6	100.0	25,000 *	23.6	119.3	29,200 *	28.5	126.4	31,100 *	35.1	134.8	31,200	40.7	140.5	30,000	45.6	144.2	28,700				105
110				14.8	105.0	27,000 *	21.7	115.7	28,800 *	29.8	127.0	29,400	36.1	134.2	28,200	41.4	139.0	27,000	46.0	141.8	25,900	110
115							11.7	99.0	26,500 *	23.4	117.0	27,700	30.9	126.7	26,600	36.9	132.8	25,500	41.9	136.6	24,400	115
120										14.6	102.5	26,200	24.8	117.2	25,100	31.8	125.5	24,100	37.4	130.6	23,100	120
125													16.7	104.0	23,800	25.9	116.4	22,800	32.4	123.4	21,800	125
130																18.2	104.1	21,600	26.6	114.6	20,700	130
135																1.4	75.2	20,400	19.3	102.8	19,600	135
140																			6.2	80.7	18,600	140



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

70 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	75.3	186.3	70,700 *b																			35
40	72.6	184.9	67,700 *																			40
45	69.8	183.2	64,800 *																			45
50	67.0	181.2	61,900 *	70.5	183.0	65,700 *																50
55	64.2	178.9	59,200 *	67.7	181.1	63,000 *																55
60	61.2	176.3	56,500 *	64.9	178.9	60,300 *	67.0	180.0	62,100 *													60
65	58.2	173.4	52,300 *	62.0	176.4	57,600 *	64.2	177.7	59,400													65
70	55.1	170.1	47,400 *	59.0	173.6	53,900 *	61.2	175.2	54,100													70
75	51.8	166.4	43,200 *	55.9	170.4	48,800 *	58.2	172.2	49,700	61.9	174.3	47,800										75
80	48.5	162.2	39,500 *	52.7	166.8	44,400 *	55.1	168.9	45,800	58.9	171.5	44,000										80
85	44.9	157.5	36,400 *	49.3	162.8	40,600 *	51.9	165.2	42,500	55.8	168.3	40,800										85
90	41.1	152.2	33,600 *	45.8	158.2	37,300 *	48.5	161.1	39,500	52.6	164.7	38,000	56.5	167.0	36,400							90
95	36.9	146.0	31,100 *	42.1	153.0	34,400 *	44.9	156.4	36,600 *	49.3	160.6	35,400	53.3	163.4	34,000							95
100	32.3	138.7	28,900 *	38.0	147.1	31,900 *	41.1	151.0	33,800 *	45.7	156.0	33,200	50.0	159.5	31,900							100
105	27.1	130.0	26,800 *	33.6	140.1	29,600 *	36.9	144.8	31,300 *	42.0	150.8	31,200	46.5	155.0	29,900	50.5	157.7	28,700				105
110	20.6	118.7	25,000 *	28.5	131.8	27,500 *	32.4	137.6	29,100 *	37.9	144.9	29,400	42.8	150.0	28,200	47.0	153.3	27,000				110
115	11.1	101.0	22,000 *	22.5	121.3	25,600 *	27.1	128.8	27,100 *	33.5	137.9	27,700	38.8	144.1	26,600	43.4	148.3	25,400	47.4	150.8	24,400	115
120				14.2	106.2	23,700 *	20.7	117.5	25,200 *	28.4	129.6	26,200	34.4	137.4	25,100	39.4	142.6	24,100	43.8	145.9	23,000	120
125							11.2	100.0	23,300 *	22.3	119.0	24,800	29.5	129.4	23,800	35.1	136.1	22,800	39.9	140.3	21,800	125
130										13.9	103.7	23,500	23.6	119.4	22,600	30.3	128.3	21,600	35.6	133.9	20,600	130
135													15.9	105.5	21,400	24.7	118.7	20,500	30.9	126.2	19,600	135
140																17.4	105.7	19,500	25.4	116.9	18,600	140
145																1.3	75.3	18,500	18.3	104.4	17,700	145
150																			5.9	81.2	16,800	150



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

70 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.1	195.3	62,800 *																			40
45	71.6	193.8	59,900 *																			45
50	69.0	192.0	57,300 *																			50
55	66.4	189.9	54,700 *	69.7	191.9	58,100 *																55
60	63.8	187.6	52,300 *	67.1	189.9	55,600 *																60
65	61.1	185.0	50,100 *	64.5	187.6	53,200 *	66.5	188.7	54,800 *													65
70	58.4	182.1	47,200 *	61.8	185.1	51,000 *	63.8	186.4	52,600 *													70
75	55.5	178.8	43,000 *	59.1	182.3	48,600 *	61.1	183.8	49,400													75
80	52.6	175.2	39,400 *	56.3	179.1	44,200 *	58.4	180.9	45,500	61.8	183.0	43,700										80
85	49.5	171.1	36,200 *	53.3	175.6	40,400 *	55.5	177.6	42,200	59.0	180.1	40,500										85
90	46.3	166.6	33,400 *	50.3	171.7	37,100 *	52.6	174.0	39,200	56.2	177.0	37,600										90
95	42.9	161.6	31,000 *	47.1	167.3	34,300 *	49.5	170.0	36,400 *	53.3	173.4	35,100	56.8	175.6	33,700							95
100	39.2	155.8	28,800 *	43.8	162.3	31,700 *	46.3	165.5	33,700 *	50.2	169.5	32,900	53.9	172.2	31,500							100
105	35.3	149.2	26,800 *	40.2	156.8	29,400 *	42.9	160.4	31,200 *	47.0	165.1	30,900	50.8	168.3	29,600							105
110	30.9	141.6	25,000 *	36.3	150.4	27,400 *	39.3	154.7	29,000 *	43.7	160.2	29,100	47.7	164.0	27,800	51.3	166.5	26,600				110
115	25.9	132.3	23,300 *	32.1	143.1	25,500 *	35.3	148.1	27,000 *	40.1	154.6	27,400	44.4	159.2	26,200	48.2	162.2	25,100				115
120	19.7	120.4	21,700 *	27.3	134.3	23,800 *	30.9	140.4	25,100 *	36.3	148.2	25,900	40.8	153.8	24,800	44.9	157.5	23,700				120
125	10.6	102.0	19,200 *	21.5	123.3	22,200 *	25.9	131.2	23,500 *	32.0	140.8	24,600	37.1	147.6	23,500	41.4	152.2	22,400	45.3	155.1	21,400	125
130				13.5	107.4	20,700 *	19.8	119.3	21,900 *	27.2	132.0	23,300	32.9	140.4	22,300	37.7	146.1	21,300	41.8	149.8	20,300	130
135							10.7	101.0	20,400 *	21.3	120.9	22,100	28.2	132.0	21,100	33.6	139.2	20,200	38.1	143.9	19,300	135
140										13.3	104.9	20,800 *	22.6	121.4	20,100	29.0	130.9	19,200	34.1	137.0	18,300	140
145													15.3	106.8	19,100	23.6	120.8	18,200	29.5	128.9	17,400	145
150																16.6	107.2	17,400	24.3	119.1	16,600	150
155																1.3	75.5	16,500	17.6	106.0	15,800	155
160																			5.7	81.7	15,000	160



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

70 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.3	205.7	51,700 *																			40
45	73.0	204.3	50,500 *																			45
50	70.7	202.6	49,000 *																			50
55	68.4	200.7	46,900 *																			55
60	66.0	198.6	44,800 *	69.0	200.7	47,500 *																60
65	63.5	196.3	42,900 *	66.6	198.6	45,500 *																65
70	61.0	193.7	41,000 *	64.2	196.3	43,500 *	66.0	197.5	44,800 *													70
75	58.5	190.7	39,300 *	61.7	193.8	41,700 *	63.5	195.1	42,900 *													75
80	55.9	187.5	37,600 *	59.2	190.9	39,900 *	61.1	192.5	41,200 *													80
85	53.2	184.0	36,000 *	56.5	187.8	38,200 *	58.5	189.6	39,500 *	61.6	191.7	40,200										85
90	50.4	180.0	33,600 *	53.9	184.3	36,600 *	55.9	186.3	37,800 *	59.1	188.8	37,400										90
95	47.4	175.6	31,100 *	51.1	180.5	34,400 *	53.2	182.8	36,200 *	56.5	185.7	34,900										95
100	44.4	170.8	28,800 *	48.2	176.2	31,800 *	50.4	178.8	33,800 *	53.8	182.2	32,600	57.0	184.3	31,200							100
105	41.1	165.4	26,800 *	45.2	171.5	29,500 *	47.4	174.5	31,300 *	51.0	178.3	30,600	54.3	180.9	29,300							105
110	37.6	159.3	25,000 *	42.0	166.3	27,500 *	44.4	169.6	29,000 *	48.1	174.1	28,800	51.6	177.1	27,600							110
115	33.9	152.3	23,400 *	38.6	160.4	25,600 *	41.1	164.2	27,000 *	45.1	169.3	27,200	48.7	173.0	26,000	52.0	175.3	24,800				115
120	29.7	144.3	21,800 *	34.9	153.7	23,900 *	37.7	158.1	25,200 *	41.9	164.1	25,700	45.7	168.3	24,600	49.2	171.2	23,400				120
125	24.9	134.6	20,400 *	30.8	145.9	22,300 *	33.9	151.2	23,600 *	38.5	158.2	24,300	42.5	163.2	23,200	46.2	166.6	22,200				125
130	19.0	122.1	19,100 *	26.2	136.7	20,900 *	29.7	143.1	22,000 *	34.8	151.4	23,100	39.2	157.4	22,000	43.1	161.6	21,000	46.5	164.2	20,000	130
135	10.2	102.9	16,900 *	20.6	125.1	19,500 *	24.9	133.4	20,600 *	30.7	143.7	21,900	35.5	150.9	20,900	39.7	155.9	19,900	43.4	159.2	19,000	135
140				13.0	108.6	18,200 *	19.0	121.0	19,300 *	26.1	134.4	20,800	31.6	143.3	19,900	36.2	149.5	19,000	40.1	153.6	18,000	140
145							10.3	101.9	17,900 *	20.5	122.8	19,700 *	27.1	134.4	18,900	32.2	142.1	18,000	36.6	147.2	17,200	145
150										12.8	106.1	18,300 *	21.7	123.4	18,000	27.8	133.5	17,200	32.7	140.0	16,300	150
155													14.7	108.2	17,200	22.7	122.9	16,400	28.4	131.5	15,600	155
160																16.0	108.6	15,600	23.3	121.2	14,800	160
165																1.2	75.6	14,800	16.9	107.5	14,100	165
170																			5.5	82.2	13,400	170

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**70 Ft. Boom, 140 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.3	214.7	47,200 *																			45
50	72.1	213.2	45,300 *																			50
55	70.0	211.4	43,300 *																			55
60	67.8	209.5	41,300 *	70.5	211.3	43,700 *																60
65	65.5	207.4	39,500 *	68.3	209.5	41,900 *																65
70	63.3	205.0	37,700 *	66.1	207.4	40,000 *	67.8	208.3	41,200 *													70
75	61.0	202.3	36,000 *	63.9	205.0	38,300 *	65.6	206.2	39,500 *													75
80	58.6	199.4	34,400 *	61.6	202.4	36,600 *	63.3	203.8	37,800 *													80
85	56.2	196.2	32,900 *	59.2	199.6	35,000 *	61.0	201.1	36,100 *													85
90	53.7	192.7	31,400 *	56.8	196.5	33,400 *	58.6	198.2	34,500 *	61.5	200.3	36,200 *										90
95	51.1	188.8	30,000 *	54.3	193.0	31,900 *	56.2	195.0	33,000 *	59.2	197.5	34,500										95
100	48.4	184.6	28,600 *	51.8	189.3	30,500 *	53.7	191.5	31,600 *	56.7	194.3	32,300										100
105	45.6	179.9	26,600 *	49.1	185.2	29,100 *	51.1	187.7	30,200 *	54.3	190.9	30,300	57.2	193.0	29,000							105
110	42.7	174.8	24,800 *	46.3	180.6	27,200 *	48.4	183.4	28,800 *	51.7	187.1	28,500	54.8	189.6	27,200							110
115	39.5	169.1	23,200 *	43.4	175.6	25,400 *	45.6	178.8	26,800 *	49.0	183.0	26,900	52.2	185.9	25,700							115
120	36.2	162.6	21,700 *	40.4	170.0	23,700 *	42.7	173.6	25,000 *	46.3	178.4	25,400	49.6	181.9	24,200	52.6	184.0	23,100				120
125	32.6	155.3	20,300 *	37.1	163.8	22,200 *	39.6	167.9	23,400 *	43.4	173.4	24,000	46.8	177.4	22,900	50.0	180.0	21,800				125
130	28.6	146.9	19,000 *	33.6	156.7	20,700 *	36.2	161.5	21,800 *	40.3	167.8	22,800	44.0	172.5	21,700	47.3	175.6	20,700				130
135	23.9	136.7	17,800 *	29.7	148.6	19,400 *	32.6	154.2	20,500 *	37.0	161.6	21,600	40.9	167.0	20,600	44.4	170.8	19,600	47.6	173.2	18,600	135
140	18.3	123.8	16,700 *	25.2	139.0	18,200 *	28.6	145.7	19,200 *	33.5	154.5	20,500	37.7	160.9	19,600	41.4	165.4	18,600	44.8	168.4	17,700	140
145	9.8	103.8	14,700 *	19.9	126.9	17,000 *	24.0	135.6	18,000 *	29.6	146.3	19,500 *	34.2	154.0	18,600	38.2	159.4	17,700	41.8	163.1	16,800	145
150				12.5	109.7	15,900 *	18.3	122.7	16,800 *	25.1	136.7	18,300 *	30.4	146.1	17,700	34.8	152.7	16,800	38.6	157.1	16,000	150
155							9.9	102.8	15,700 *	19.7	124.6	17,200 *	26.1	136.8	16,900	31.0	144.9	16,000	35.2	150.5	15,200	155
160										12.3	107.2	16,000 *	20.9	125.3	16,100	26.8	135.9	15,300	31.5	142.9	14,500	160
165													14.1	109.4	15,400	21.8	124.8	14,600	27.3	134.0	13,800	165
170																15.4	110.0	13,900	22.4	123.2	13,200	170
175																1.2	75.7	13,200	16.2	109.0	12,600	175
180																			5.3	82.6	12,000	180



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

70 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.3	225.0	43,800 *																			45
50	73.4	223.6	41,900 *																			50
55	71.4	222.0	40,100 *																			55
60	69.3	220.3	38,200 *																			60
65	67.3	218.3	36,500 *	69.9	220.2	38,700 *																65
70	65.2	216.1	34,800 *	67.8	218.2	37,000 *																70
75	63.1	213.6	33,200 *	65.7	216.1	35,300 *	67.3	217.1	36,400 *													75
80	60.9	211.0	31,600 *	63.6	213.7	33,700 *	65.2	214.9	34,800 *													80
85	58.7	208.1	30,200 *	61.5	211.1	32,100 *	63.1	212.5	33,200 *													85
90	56.4	204.9	28,800 *	59.3	208.3	30,700 *	60.9	209.8	31,700 *													90
95	54.1	201.4	27,400 *	57.0	205.2	29,200 *	58.7	206.9	30,300 *	61.4	209.0	31,800 *										95
100	51.7	197.6	26,100 *	54.7	201.8	27,800 *	56.4	203.7	28,900 *	59.2	206.1	30,400 *										100
105	49.2	193.5	24,900 *	52.3	198.1	26,500 *	54.1	200.3	27,500 *	57.0	203.0	29,000 *										105
110	46.7	189.0	23,800 *	49.9	194.0	25,300 *	51.7	196.5	26,200 *	54.7	199.6	27,700 *	57.4	201.7	27,100							110
115	44.0	184.1	22,700 *	47.3	189.6	24,100 *	49.2	192.3	25,000 *	52.3	195.9	26,500 *	55.1	198.3	25,500							115
120	41.1	178.6	21,600 *	44.7	184.8	23,000 *	46.7	187.8	23,900 *	49.8	191.9	25,300	52.8	194.7	24,100							120
125	38.2	172.6	20,300 *	41.9	179.5	22,000 *	44.0	182.9	22,800 *	47.3	187.5	23,900	50.3	190.7	22,800							125
130	34.9	165.8	19,000 *	38.9	173.6	20,700 *	41.2	177.5	21,700 *	44.6	182.6	22,700	47.8	186.4	21,600	50.7	188.9	20,600				130
135	31.5	158.2	17,900 *	35.8	167.1	19,500 *	38.2	171.4	20,500 *	41.8	177.3	21,500	45.2	181.6	20,500	48.2	184.6	19,500				135
140	27.6	149.4	16,800 *	32.4	159.7	18,300 *	35.0	164.7	19,200 *	38.9	171.4	20,500	42.4	176.4	19,500	45.6	179.9	18,500				140
145	23.1	138.8	15,700 *	28.6	151.2	17,100 *	31.5	157.1	18,000 *	35.7	164.9	19,500	39.5	170.7	18,500	42.9	174.8	17,600	45.9	177.5	16,700	145
150	17.6	125.4	14,800 *	24.3	141.2	16,100 *	27.6	148.2	16,900 *	32.3	157.4	18,400 *	36.4	164.2	17,600	40.0	169.1	16,700	43.2	172.4	15,900	150
155	9.5	104.6	13,000 *	19.2	128.6	15,100 *	23.2	137.7	15,900 *	28.5	148.9	17,300 *	33.0	157.0	16,800	36.9	162.8	15,900	40.3	166.8	15,100	155
160				12.1	110.8	14,100 *	17.7	124.3	14,900 *	24.2	138.9	16,200 *	29.3	148.8	16,000	33.6	155.7	15,200	37.2	160.6	14,400	160
165							9.6	103.6	13,900 *	19.1	126.3	15,200 *	25.2	139.0	15,300	29.9	147.7	14,500	34.0	153.6	13,700	165
170										11.9	108.2	14,200 *	20.2	127.1	14,600	25.9	138.2	13,800	30.4	145.6	13,100	170
175													13.6	110.6	14,000	21.1	126.7	13,200	26.4	136.4	12,500	175
180																14.9	111.3	12,600	21.7	125.2	11,900	180
190																			5.1	83.1	10,800	190



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

70 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.4	234.0	38,500 *																			50
55	72.6	232.6	36,700 *																			55
60	70.7	230.9	35,000 *																			60
65	68.8	229.1	33,400 *																			65
70	66.8	227.0	31,800 *	69.3	229.0	33,800 *																70
75	64.9	224.8	30,200 *	67.3	227.0	32,200 *																75
80	62.9	222.3	28,700 *	65.4	224.8	30,600 *	66.8	225.8	31,600 *													80
85	60.8	219.6	27,300 *	63.4	222.4	29,100 *	64.9	223.6	30,200 *													85
90	58.8	216.7	25,900 *	61.4	219.8	27,700 *	62.9	221.1	28,700 *													90
95	56.7	213.6	24,600 *	59.3	216.9	26,300 *	60.9	218.5	27,300 *													95
100	54.5	210.1	23,300 *	57.2	213.8	25,000 *	58.8	215.6	26,000 *	61.3	217.6	27,400 *										100
105	52.3	206.4	22,100 *	55.0	210.5	23,700 *	56.7	212.4	24,700 *	59.3	214.8	26,100 *										105
110	50.0	202.4	21,000 *	52.8	206.8	22,500 *	54.5	209.0	23,400 *	57.2	211.7	24,800 *										110
115	47.6	198.0	19,900 *	50.6	202.9	21,400 *	52.3	205.3	22,200 *	55.0	208.3	23,600 *	57.6	210.3	24,800 *							115
120	45.1	193.2	18,900 *	48.2	198.6	20,300 *	50.0	201.2	21,100 *	52.8	204.7	22,400 *	55.4	207.0	23,700 *							120
125	42.5	188.0	18,000 *	45.7	193.9	19,200 *	47.6	196.8	20,000 *	50.5	200.7	21,300 *	53.2	203.4	22,500 *							125
130	39.8	182.3	17,100 *	43.2	188.8	18,300 *	45.1	192.1	19,000 *	48.1	196.4	20,300 *	51.0	199.6	21,300 *							130
135	36.9	176.0	16,200 *	40.5	183.2	17,300 *	42.5	186.9	18,000 *	45.7	191.8	19,200 *	48.6	195.3	20,200 *	51.3	197.7	19,200 *				135
140	33.8	168.9	15,400 *	37.7	177.1	16,500 *	39.8	181.1	17,100 *	43.1	186.6	18,300 *	46.2	190.7	19,200 *	49.0	193.5	18,200 *				140
145	30.4	161.0	14,600 *	34.6	170.2	15,600 *	36.9	174.8	16,300 *	40.4	181.1	17,300 *	43.6	185.7	18,200 *	46.6	189.0	17,300 *				145
150	26.7	151.8	13,900 *	31.3	162.5	14,800 *	33.8	167.8	15,400 *	37.6	174.9	16,500 *	41.0	180.2	17,300 *	44.1	184.1	16,400 *	46.9	186.5	15,500 *	150
155	22.4	140.8	13,300 *	27.7	153.7	14,100 *	30.5	159.8	14,700 *	34.6	168.0	15,600 *	38.2	174.2	16,500 *	41.4	178.6	15,600 *	44.4	181.6	14,800 *	155
160	17.1	126.9	12,700 *	23.6	143.3	13,400 *	26.7	150.6	14,000 *	31.3	160.3	14,800 *	35.2	167.5	15,700 *	38.6	172.7	14,900 *	41.7	176.3	14,100 *	160
165	9.2	105.4	11,300 *	18.6	130.3	12,900 *	22.4	139.7	13,300 *	27.6	151.4	14,100 *	31.9	159.9	15,000 *	35.7	166.1	14,200 *	39.0	170.4	13,400 *	165
170				11.7	111.8	12,300 *	17.1	125.8	12,700 *	23.5	141.0	13,400 *	28.4	151.3	14,300 *	32.5	158.7	13,500 *	36.0	163.9	12,800 *	170
175							9.2	104.4	12,100 *	18.5	127.9	12,800 *	24.3	141.2	13,600 *	29.0	150.3	12,900 *	32.9	156.6	12,200 *	175
180										11.5	109.2	12,300 *	19.6	128.8	13,000 *	25.0	140.5	12,300 *	29.4	148.3	11,600 *	180
190																14.4	112.6	11,200 *	21.0	127.0	10,600 *	190
200																			4.9	83.5	9,600 *	200



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

70 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.4	244.4	35,600 *																			50
55	73.6	243.0	33,900 *																			55
60	71.9	241.5	32,300 *																			60
65	70.1	239.7	30,700 *																			65
70	68.3	237.8	29,200 *	70.5	239.6	31,100 *																70
75	66.4	235.7	27,700 *	68.7	237.8	29,600 *																75
80	64.6	233.5	26,300 *	66.9	235.7	28,100 *																80
85	62.7	231.0	24,900 *	65.1	233.5	26,700 *	66.5	234.6	27,600 *													85
90	60.8	228.3	23,600 *	63.2	231.1	25,300 *	64.6	232.3	26,300 *													90
95	58.8	225.4	22,400 *	61.3	228.4	24,000 *	62.7	229.8	24,900 *													95
100	56.9	222.3	21,200 *	59.4	225.6	22,700 *	60.8	227.1	23,700 *													100
105	54.8	218.9	20,000 *	57.4	222.5	21,500 *	58.9	224.2	22,400 *	61.2	226.3	23,700 *										105
110	52.7	215.2	18,900 *	55.3	219.2	20,400 *	56.9	221.1	21,200 *	59.3	223.5	22,600 *										110
115	50.6	211.2	17,900 *	53.3	215.6	19,300 *	54.8	217.7	20,100 *	57.3	220.4	21,400 *										115
120	48.4	207.0	16,900 *	51.1	211.7	18,200 *	52.7	214.0	19,000 *	55.3	217.0	20,300 *	57.7	219.0	21,400 *							120
125	46.1	202.3	16,000 *	48.9	207.5	17,200 *	50.6	210.1	18,000 *	53.2	213.4	19,200 *	55.7	215.7	20,300 *							125
130	43.7	197.3	15,100 *	46.7	203.0	16,300 *	48.4	205.8	17,000 *	51.1	209.6	18,200 *	53.6	212.2	19,300 *							130
135	41.2	191.8	14,200 *	44.3	198.1	15,400 *	46.1	201.2	16,000 *	48.9	205.4	17,200 *	51.5	208.4	18,300 *							135
140	38.5	185.9	13,400 *	41.8	192.7	14,500 *	43.7	196.2	15,100 *	46.6	200.8	16,200 *	49.3	204.2	17,300 *	51.9	206.5	17,900				140
145	35.8	179.3	12,700 *	39.2	186.9	13,700 *	41.2	190.7	14,300 *	44.3	195.9	15,300 *	47.1	199.8	16,400 *	49.7	202.4	17,000				145
150	32.8	171.9	12,000 *	36.5	180.4	12,900 *	38.6	184.7	13,500 *	41.8	190.5	14,500 *	44.7	194.9	15,500 *	47.4	198.0	16,200				150
155	29.5	163.6	11,200 *	33.6	173.3	12,200 *	35.8	178.1	12,700 *	39.2	184.7	13,700 *	42.3	189.7	14,600 *	45.1	193.2	15,400	47.7	195.5	14,500	155
160	25.9	154.1	10,400 *	30.4	165.3	11,400 *	32.8	170.8	12,000 *	36.4	178.2	12,900 *	39.7	183.9	13,800 *	42.7	188.0	14,600	45.4	190.8	13,800	160
165	21.7	142.8	9,600 *	26.9	156.1	10,600 *	29.5	162.5	11,200 *	33.5	171.1	12,200 *	37.0	177.6	13,000 *	40.1	182.4	13,900 *	43.0	185.6	13,100	165
170	16.6	128.4	8,800 *	22.8	145.3	9,800 *	25.9	153.0	10,400 *	30.3	163.0	11,400 *	34.1	170.6	12,300 *	37.4	176.1	13,100 *	40.4	180.0	12,500	170
175	8.9	106.2	8,200 *	18.0	131.9	9,000 *	21.7	141.7	9,600 *	26.8	153.9	10,500 *	31.0	162.7	11,600 *	34.6	169.3	12,400 *	37.8	173.9	11,900	175
180				11.4	112.9	8,300 *	16.6	127.3	8,800 *	22.8	143.0	9,700 *	27.5	153.8	10,700 *	31.5	161.6	11,700 *	34.9	167.1	11,400	180
190										11.2	110.2	8,300 *	19.0	130.5	9,100 *	24.3	142.7	10,000 *	28.5	150.9	10,300	190
200																14.0	113.8	8,500 *	20.3	128.9	9,300 *	200
210																			4.8	84.0	8,000 *	210



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

80 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
30	71.2	156.2	104,300 *b																			30
35	66.8	154.2	99,800 *b																			35
40	62.2	151.9	94,500 *b	68.7	154.5	102,500 *b																40
45	57.5	149.0	86,000 *	64.2	152.3	92,900 *b	68.0	153.5	95,500 b													45
50	52.5	145.5	74,600 *	59.6	149.6	82,200 *	63.5	151.2	83,400 b													50
55	47.2	141.2	65,700 *	54.7	146.4	73,700 *	58.9	148.5	73,900													55
60	41.3	136.1	58,400 *	49.5	142.5	66,600 *	54.0	145.2	66,300	60.8	148.0	63,600										60
65	34.6	129.7	52,400 *	43.9	137.8	60,700 *	48.7	141.2	60,000	56.0	144.9	57,500										65
70	26.6	121.2	47,200 *	37.6	132.0	55,100 *	43.0	136.3	54,700	50.9	141.2	52,500	57.8	143.9	50,300							70
75	15.0	108.1	40,300 *	30.3	124.6	49,600 *	36.6	130.3	50,200	45.4	136.7	48,200	52.8	140.4	46,100							75
80				20.8	114.1	44,800 *	29.1	122.6	46,300	39.3	131.2	44,400	47.4	136.2	42,600							80
85							19.0	111.4	42,900	32.3	124.3	41,200	41.6	131.1	39,500	49.2	134.8	37,800				85
90										23.5	114.9	38,300	35.0	124.8	36,700	43.5	130.1	35,200				90
95										8.8	97.6	35,700	27.0	116.5	34,300	37.2	124.2	32,800	45.1	128.0	31,400	95
100													15.8	103.7	32,100	29.8	116.6	30,800	39.0	122.5	29,400	100
105																20.1	105.9	28,900	31.9	115.5	27,600	105
110																			23.1	105.9	26,000	110
115																			7.5	87.5	24,400	115



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

80 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
30	73.6	166.7	95,400 *b																			30
35	69.8	165.0	91,500 *b																			35
40	65.9	163.0	87,800 *																			40
45	62.0	160.5	84,500 *	67.6	163.2	90,100 *b																45
50	57.8	157.6	74,700 *	63.7	161.0	81,700 *	67.1	162.2	83,000 b													50
55	53.5	154.2	65,800 *	59.6	158.3	73,100 *	63.1	159.9	73,600													55
60	48.9	150.2	58,600 *	55.4	155.1	66,100 *	59.0	157.2	65,900													60
65	43.9	145.4	52,600 *	50.9	151.4	60,200 *	54.7	153.9	59,700	60.7	156.7	57,200										65
70	38.5	139.7	47,600 *	46.1	146.9	55,200 *	50.2	150.1	54,400	56.5	153.6	52,100										70
75	32.3	132.7	43,200 *	40.9	141.7	49,800 *	45.4	145.5	49,900	52.1	150.0	47,800	58.0	152.5	45,800							75
80	24.8	123.5	39,400 *	35.1	135.3	45,200 *	40.1	140.1	46,100	47.4	145.8	44,100	53.7	149.2	42,200							80
85	14.1	109.3	34,000 *	28.3	127.2	41,200 *	34.2	133.5	42,700	42.3	140.8	40,900	49.1	145.2	39,100							85
90				19.4	115.9	37,600 *	27.2	125.1	39,700	36.7	134.7	38,100	44.2	140.5	36,400	50.6	143.7	34,800				90
95							17.8	113.0	37,100	30.1	127.1	35,500	38.8	134.8	34,000	45.8	139.2	32,500				95
100										22.0	116.9	33,300	32.7	127.8	31,800	40.6	133.9	30,400	47.1	137.1	29,000	100
105										8.2	98.3	31,200	25.3	118.8	29,900	34.7	127.4	28,500	42.0	132.0	27,200	105
110													14.8	105.1	28,100	27.8	119.2	26,900	36.4	125.9	25,600	110
115																18.8	107.6	25,300	29.8	118.2	24,200	115
120																			21.6	107.8	22,800	120
125																			7.0	88.2	21,500	125



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

80 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
30	75.5	177.0	85,600 *b																			30
35	72.1	175.6	82,000 *b																			35
40	68.8	173.8	78,100 *																			40
45	65.3	171.7	74,500 *	70.2	174.0	80,100 *b																45
50	61.7	169.2	71,300 *	66.8	172.0	76,600 *																50
55	58.1	166.3	66,300 *	63.3	169.7	73,200 *	66.3	171.0	73,300													55
60	54.2	162.9	59,000 *	59.7	166.9	66,100 *	62.8	168.6	65,700													60
65	50.2	159.1	53,000 *	55.9	163.8	60,100 *	59.1	165.8	59,400													65
70	45.9	154.6	48,000 *	52.0	160.2	55,100 *	55.3	162.6	54,200	60.6	165.3	51,900										70
75	41.3	149.3	43,600 *	47.8	155.9	50,200 *	51.4	158.9	49,700	56.9	162.3	47,600										75
80	36.2	143.1	39,900 *	43.4	151.0	45,600 *	47.2	154.6	45,900	53.0	158.8	43,900										80
85	30.4	135.5	36,600 *	38.5	145.3	41,600 *	42.7	149.6	42,500	48.9	154.7	40,700	54.4	157.9	38,900							85
90	23.4	125.6	33,700 *	33.0	138.3	38,200 *	37.7	143.6	39,600	44.5	150.0	37,900	50.4	154.0	36,200							90
95	13.3	110.5	29,300 *	26.6	129.6	35,100 *	32.2	136.5	37,000	39.8	144.5	35,400	46.1	149.6	33,800	51.7	152.5	32,200				95
100				18.3	117.5	32,300 *	25.6	127.4	34,600	34.5	137.9	33,100	41.6	144.4	31,600	47.6	148.3	30,200				100
105							16.7	114.5	31,900 *	28.4	129.7	31,100	36.5	138.2	29,700	43.1	143.3	28,300				105
110										20.7	118.8	29,300	30.7	130.7	28,000	38.2	137.5	26,700	44.3	141.3	25,400	110
115										7.7	99.0	27,600	23.8	121.0	26,400	32.7	130.5	25,100	39.5	135.7	23,900	115
120													13.9	106.3	24,900	26.2	121.6	23,800	34.2	129.1	22,600	120
125																17.7	109.2	22,500	28.1	120.8	21,400	125
130																			20.3	109.7	20,300	130
135																			6.6	88.8	19,200	135

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**80 Ft. Boom, 100 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	74.0	186.0	75,800 *b																			35
40	71.0	184.4	72,900 *																			40
45	67.9	182.6	69,400 *																			45
50	64.8	180.4	66,200 *	69.2	182.8	71,200 *																50
55	61.6	177.9	63,300 *	66.1	180.7	68,000 *																55
60	58.3	175.0	58,900 *	63.0	178.3	65,000 *	65.7	179.7	65,400													60
65	54.8	171.7	52,900 *	59.7	175.6	59,700 *	62.5	177.3	59,100													65
70	51.2	167.9	47,900 *	56.3	172.5	54,600 *	59.2	174.5	53,900													70
75	47.5	163.6	43,600 *	52.8	168.9	50,100 *	55.8	171.3	49,400	60.5	174.0	47,200										75
80	43.4	158.7	39,900 *	49.1	164.9	45,500 *	52.3	167.7	45,600	57.2	171.0	43,500										80
85	39.1	153.0	36,600 *	45.2	160.2	41,600 *	48.6	163.5	42,200	53.7	167.5	40,300										85
90	34.3	146.3	33,800 *	41.0	154.9	38,100 *	44.6	158.8	39,300	50.1	163.6	37,500	55.0	166.6	35,800							90
95	28.8	138.1	31,200 *	36.4	148.7	35,100 *	40.4	153.3	36,700	46.2	159.1	35,000	51.4	162.9	33,400							95
100	22.2	127.7	28,900 *	31.3	141.2	32,400 *	35.7	147.0	34,400	42.1	154.0	32,800	47.7	158.6	31,300	52.6	161.3	29,800				100
105	12.6	111.7	25,200 *	25.3	131.9	30,000 *	30.5	139.3	32,100 *	37.6	148.0	30,800	43.7	153.7	29,400	48.9	157.2	27,900				105
110				17.4	119.1	27,700 *	24.2	129.6	29,700 *	32.7	140.9	29,000	39.3	148.1	27,600	45.0	152.5	26,300				110
115							15.9	115.9	27,500 *	26.9	132.2	27,400	34.6	141.4	26,100	40.8	147.1	24,800	46.0	150.4	23,500	115
120										19.6	120.5	25,900	29.1	133.4	24,600	36.2	140.8	23,400	41.9	145.3	22,200	120
125										7.3	99.7	24,400	22.6	123.0	23,300	31.0	133.3	22,200	37.4	139.2	21,000	125
130													13.2	107.5	22,100	24.8	123.9	21,000	32.4	132.1	19,900	130
135																16.8	110.7	19,900	26.6	123.2	18,900	135
140																			19.3	111.4	17,900	140
145																			6.2	89.3	17,000	145



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

80 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	75.5	196.4	70,200 *b																			35
40	72.8	195.0	67,500 *																			40
45	70.0	193.3	64,600 *																			45
50	67.2	191.3	61,900 *																			50
55	64.4	189.1	59,300 *	68.4	191.6	63,300 *																55
60	61.4	186.5	56,700 *	65.6	189.4	60,800 *	68.0	190.6	62,700 *													60
65	58.4	183.6	53,000 *	62.7	187.0	58,200 *	65.2	188.4	59,000													65
70	55.3	180.4	48,000 *	59.7	184.3	54,500 *	62.3	185.9	53,800													70
75	52.1	176.7	43,700 *	56.7	181.2	50,200 *	59.3	183.1	49,300													75
80	48.7	172.5	40,000 *	53.5	177.7	45,600 *	56.2	180.0	45,500	60.5	182.7	43,500										80
85	45.1	167.9	36,800 *	50.2	173.7	41,700 *	53.0	176.4	42,200	57.5	179.6	40,300										85
90	41.3	162.6	34,000 *	46.7	169.3	38,300 *	49.7	172.4	39,200	54.3	176.3	37,500										90
95	37.2	156.4	31,500 *	43.0	164.3	35,300 *	46.2	167.9	36,700	51.0	172.4	35,000	55.5	175.3	33,300							95
100	32.7	149.3	29,200 *	39.0	158.5	32,700 *	42.4	162.8	34,300	47.6	168.1	32,800	52.2	171.6	31,200							100
105	27.5	140.6	27,200 *	34.7	151.9	30,300 *	38.4	156.9	32,300	44.0	163.3	30,800	48.9	167.5	29,300							105
110	21.1	129.6	25,300 *	29.8	143.9	28,200 *	34.0	150.1	30,000 *	40.1	157.7	29,000	45.3	162.9	27,600	50.0	166.1	26,200				110
115	12.0	112.7	22,200 *	24.1	134.1	26,200 *	29.0	141.9	27,900 *	35.8	151.3	27,400	41.5	157.6	26,000	46.5	161.6	24,700				115
120				16.6	120.6	24,400 *	23.1	131.7	26,000 *	31.1	143.8	25,900	37.4	151.5	24,600	42.8	156.5	23,400	47.4	159.5	22,200	120
125							15.1	117.3	24,200 *	25.6	134.5	24,500	32.9	144.4	23,300	38.8	150.7	22,100	43.8	154.6	21,000	125
130										18.7	122.2	23,200	27.7	135.9	22,100	34.4	144.0	21,000	39.9	149.0	19,900	130
135										7.0	100.3	22,000	21.5	125.0	21,000	29.5	136.0	19,900	35.6	142.5	18,900	135
140													12.6	108.7	19,900	23.7	126.0	18,900	30.9	134.9	17,900	140
145																16.0	112.1	18,000	25.4	125.5	17,100	145
150																			18.3	113.1	16,200	150
155																			5.9	89.8	15,400	155



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

80 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.2	205.4	62,400 *																			40
45	71.7	203.9	59,800 *																			45
50	69.2	202.1	57,200 *																			50
55	66.6	200.1	54,700 *	70.3	202.2	58,400 *																55
60	64.0	197.8	52,400 *	67.7	200.3	56,000 *																60
65	61.3	195.2	50,100 *	65.1	198.1	53,700 *	67.4	199.3	55,400 *													65
70	58.6	192.3	47,800 *	62.5	195.7	51,500 *	64.8	197.1	53,200 *													70
75	55.7	189.1	43,500 *	59.8	192.9	49,300 *	62.1	194.6	49,000													75
80	52.8	185.5	39,800 *	57.0	189.8	45,400 *	59.3	191.8	45,200													80
85	49.7	181.4	36,600 *	54.1	186.4	41,500 *	56.5	188.7	41,900	60.4	191.3	39,900										85
90	46.5	177.0	33,800 *	51.0	182.6	38,100 *	53.6	185.2	38,900	57.7	188.3	37,100										90
95	43.1	171.9	31,300 *	47.9	178.3	35,100 *	50.6	181.3	36,400	54.8	185.0	34,600										95
100	39.5	166.2	29,100 *	44.6	173.5	32,500 *	47.4	176.9	34,000	51.8	181.2	32,400	55.9	184.0	30,800							100
105	35.6	159.7	27,100 *	41.1	168.1	30,200 *	44.1	172.1	32,000	48.7	177.1	30,500	52.9	180.4	29,000							105
110	31.2	152.1	25,300 *	37.3	162.0	28,100 *	40.5	166.6	29,900 *	45.5	172.4	28,700	49.9	176.4	27,200							110
115	26.3	143.0	23,600 *	33.2	154.9	26,100 *	36.7	160.3	27,800 *	42.0	167.2	27,000	46.7	172.0	25,700	50.9	174.9	24,400				115
120	20.2	131.4	22,000 *	28.5	146.5	24,400 *	32.5	153.1	25,900 *	38.3	161.3	25,600	43.3	167.0	24,300	47.7	170.6	23,000				120
125	11.5	113.8	19,300 *	23.0	136.2	22,800 *	27.8	144.5	24,200 *	34.3	154.5	24,200	39.7	161.3	23,000	44.4	165.8	21,800				125
130				15.8	122.0	21,200 *	22.1	133.7	22,600 *	29.8	146.5	23,000	35.8	154.8	21,800	40.9	160.4	20,600	45.3	163.7	19,500	130
135							14.5	118.6	21,100 *	24.5	136.7	21,800	31.5	147.3	20,700	37.1	154.2	19,600	41.8	158.5	18,500	135
140										17.9	123.8	20,700	26.5	138.3	19,700	32.9	147.0	18,600	38.1	152.5	17,600	140
145										6.7	100.9	19,700	20.6	126.8	18,700	28.2	138.6	17,700	34.1	145.7	16,700	145
150													12.1	109.7	17,800	22.7	128.1	16,800	29.5	137.6	15,900	150
155																15.3	113.5	16,000	24.3	127.7	15,100	155
160																			17.6	114.7	14,400	160
165																			5.7	90.4	13,700	165

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**80 Ft. Boom, 130 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.5	215.8	51,100 *																			40
45	73.2	214.4	50,000 *																			45
50	70.9	212.7	48,900 *																			50
55	68.5	210.9	46,900 *																			55
60	66.1	208.8	44,900 *	69.5	211.1	47,800 *																60
65	63.7	206.5	43,000 *	67.2	209.1	45,800 *																65
70	61.2	203.8	41,100 *	64.8	206.8	43,900 *	66.8	208.1	45,300 *													70
75	58.7	200.9	39,400 *	62.3	204.4	42,100 *	64.4	205.8	43,500 *													75
80	56.0	197.7	37,700 *	59.8	201.6	40,300 *	61.9	203.3	41,800 *													80
85	53.3	194.2	36,200 *	57.2	198.5	38,700 *	59.4	200.5	40,100 *	62.9	202.7	39,700										85
90	50.5	190.3	34,000 *	54.5	195.1	37,100 *	56.8	197.3	38,400 *	60.4	200.0	36,900										90
95	47.6	186.0	31,400 *	51.8	191.4	35,300 *	54.1	193.9	36,100	57.8	197.0	34,400										95
100	44.6	181.1	29,200 *	48.9	187.2	32,600 *	51.4	190.1	33,800	55.2	193.7	32,200										100
105	41.3	175.8	27,200 *	45.9	182.6	30,200 *	48.5	185.9	31,800	52.5	190.0	30,200	56.2	192.7	28,700							105
110	37.9	169.7	25,300 *	42.8	177.5	28,100 *	45.5	181.2	29,900	49.6	186.0	28,400	53.5	189.2	27,000							110
115	34.1	162.9	23,600 *	39.4	171.8	26,200 *	42.3	176.0	27,900 *	46.7	181.5	26,800	50.7	185.3	25,400							115
120	30.0	154.9	22,100 *	35.8	165.3	24,500 *	38.9	170.2	26,000 *	43.6	176.5	25,300	47.8	181.0	24,000	51.6	183.7	22,700				120
125	25.2	145.3	20,700 *	31.8	157.8	22,900 *	35.2	163.6	24,300 *	40.3	171.0	24,000	44.7	176.2	22,700	48.7	179.6	21,500				125
130	19.4	133.1	19,300 *	27.4	149.0	21,400 *	31.2	155.9	22,700 *	36.7	164.7	22,700	41.5	170.8	21,500	45.7	174.9	20,400				130
135	11.0	114.8	17,000 *	22.1	138.2	20,000 *	26.7	146.9	21,200 *	32.9	157.5	21,600	38.1	164.8	20,400	42.6	169.8	19,300	46.5	172.8	18,200	135
140				15.2	123.4	18,700 *	21.2	135.6	19,900 *	28.6	149.1	20,500	34.3	158.0	19,400	39.2	164.0	18,400	43.4	167.8	17,300	140
145							13.9	119.8	18,600 *	23.5	138.8	19,500	30.2	150.1	18,500	35.6	157.5	17,500	40.1	162.2	16,500	145
150										17.2	125.4	18,600	25.5	140.6	17,600	31.6	149.9	16,600	36.6	155.9	15,700	150
155										6.4	101.5	17,700	19.8	128.6	16,800	27.1	141.0	15,800	32.7	148.7	14,900	155
160													11.6	110.8	16,000	21.8	130.0	15,100	28.4	140.2	14,200	160
165																14.7	114.8	14,400	23.3	129.8	13,500	165
170																			16.9	116.2	12,900	170
175																			5.5	90.8	12,300	175



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

80 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.4	224.8	46,700 *																			45
50	72.3	223.3	45,200 *																			50
55	70.1	221.6	43,200 *																			55
60	67.9	219.7	41,300 *																			60
65	65.7	217.5	39,500 *	68.9	219.9	42,200 *																65
70	63.4	215.1	37,800 *	66.7	217.8	40,400 *																70
75	61.1	212.5	36,100 *	64.4	215.5	38,700 *	66.3	216.8	39,900 *													75
80	58.8	209.6	34,500 *	62.1	213.0	37,000 *	64.1	214.5	38,300 *													80
85	56.3	206.4	33,000 *	59.8	210.2	35,400 *	61.8	211.9	36,600 *													85
90	53.8	202.9	31,500 *	57.4	207.2	33,800 *	59.4	209.1	35,100 *	62.7	211.3	36,500										90
95	51.3	199.1	30,200 *	54.9	203.8	32,300 *	57.0	206.0	33,600 *	60.4	208.6	34,000										95
100	48.6	194.9	28,800 *	52.4	200.2	30,900 *	54.6	202.6	32,100 *	58.0	205.7	31,800										100
105	45.8	190.3	26,900 *	49.8	196.1	29,600 *	52.0	198.9	30,700 *	55.6	202.4	29,900										105
110	42.9	185.2	25,100 *	47.0	191.7	27,900 *	49.4	194.8	29,400 *	53.0	198.8	28,100	56.5	201.4	26,600							110
115	39.8	179.5	23,500 *	44.2	186.8	26,000 *	46.6	190.3	27,700 *	50.4	194.8	26,500	54.0	197.9	25,100							115
120	36.5	173.1	21,900 *	41.1	181.4	24,300 *	43.7	185.3	25,800 *	47.7	190.5	25,000	51.4	194.1	23,700							120
125	32.9	165.9	20,500 *	37.9	175.3	22,700 *	40.7	179.8	24,100 *	44.9	185.7	23,700	48.7	189.9	22,400	52.2	192.5	21,100				125
130	28.9	157.5	19,200 *	34.5	168.5	21,200 *	37.4	173.6	22,500 *	41.9	180.4	22,400	45.9	185.3	21,200	49.6	188.5	20,000				130
135	24.3	147.5	18,000 *	30.6	160.6	19,900 *	33.9	166.7	21,100 *	38.8	174.6	21,300	43.0	180.2	20,100	46.9	184.0	19,000				135
140	18.7	134.8	16,900 *	26.4	151.4	18,600 *	30.0	158.7	19,800 *	35.4	167.9	20,200	39.9	174.5	19,100	44.0	179.1	18,000	47.6	181.8	16,900	140
145	10.6	115.7	14,800 *	21.3	140.1	17,500 *	25.7	149.2	18,500 *	31.6	160.4	19,200	36.6	168.2	18,200	40.9	173.6	17,100	44.8	177.0	16,100	145
150				14.7	124.7	16,300 *	20.4	137.5	17,400 *	27.5	151.6	18,300	33.0	161.0	17,300	37.7	167.5	16,300	41.8	171.7	15,300	150
155							13.4	121.0	16,200 *	22.7	140.9	17,500	29.1	152.7	16,500	34.2	160.6	15,500	38.6	165.8	14,500	155
160										16.6	126.9	16,700	24.5	142.8	15,700	30.4	152.7	14,800	35.2	159.1	13,900	160
165										6.2	102.0	15,600 *	19.0	130.3	15,000	26.1	143.4	14,100	31.5	151.5	13,200	165
170													11.2	111.8	14,300	21.0	131.9	13,400	27.3	142.7	12,600	170
175																14.2	116.1	12,800	22.4	131.9	12,000	175
180																			16.2	117.6	11,400	180



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

80 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.5	235.1	43,600 *																			45
50	73.5	233.7	41,800 *																			50
55	71.5	232.2	40,000 *																			55
60	69.5	230.4	38,200 *																			60
65	67.4	228.4	36,500 *	70.3	230.5	38,900 *																65
70	65.3	226.2	34,900 *	68.3	228.6	37,300 *																70
75	63.2	223.8	33,300 *	66.2	226.5	35,600 *	68.0	227.6	36,800 *													75
80	61.1	221.2	31,700 *	64.1	224.2	34,100 *	65.9	225.5	35,200 *													80
85	58.8	218.3	30,300 *	62.0	221.7	32,500 *	63.8	223.2	33,700 *													85
90	56.6	215.1	28,900 *	59.8	218.9	31,000 *	61.7	220.6	32,200 *													90
95	54.3	211.7	27,500 *	57.6	215.9	29,600 *	59.5	217.8	30,800 *	62.5	220.0	32,400 *										95
100	51.9	207.9	26,200 *	55.3	212.5	28,200 *	57.2	214.7	29,400 *	60.4	217.3	31,100 *										100
105	49.4	203.8	25,000 *	52.9	208.9	26,900 *	54.9	211.3	28,000 *	58.1	214.3	29,800										105
110	46.8	199.3	23,900 *	50.5	205.0	25,700 *	52.6	207.7	26,800 *	55.9	211.1	28,000										110
115	44.2	194.4	22,800 *	48.0	200.7	24,500 *	50.1	203.7	25,500 *	53.5	207.5	26,400	56.7	210.0	25,000							115
120	41.3	189.0	21,800 *	45.3	195.9	23,400 *	47.6	199.3	24,400 *	51.1	203.7	24,900	54.4	206.6	23,600							120
125	38.4	183.0	20,500 *	42.6	190.8	22,300 *	44.9	194.5	23,300 *	48.6	199.5	23,600	52.0	202.9	22,300							125
130	35.2	176.3	19,300 *	39.7	185.0	21,200 *	42.2	189.3	22,200 *	46.0	194.8	22,300	49.5	198.8	21,100	52.8	201.3	19,900				130
135	31.7	168.8	18,100 *	36.6	178.7	19,900 *	39.2	183.4	21,100 *	43.3	189.8	21,200	47.0	194.3	20,000	50.3	197.3	18,900				135
140	27.9	160.0	17,000 *	33.3	171.5	18,700 *	36.1	177.0	19,800 *	40.4	184.2	20,100	44.3	189.4	19,000	47.8	193.0	17,900				140
145	23.5	149.6	16,000 *	29.6	163.3	17,600 *	32.7	169.7	18,600 *	37.4	178.0	19,200	41.5	184.1	18,100	45.2	188.2	17,000				145
150	18.1	136.4	15,000 *	25.5	153.7	16,500 *	29.0	161.3	17,400 *	34.1	171.1	18,200	38.5	178.1	17,200	42.4	183.0	16,200	45.9	186.1	15,200	150
155	10.3	116.6	13,100 *	20.6	141.9	15,500 *	24.8	151.4	16,400 *	30.5	163.2	17,400	35.3	171.5	16,400	39.5	177.3	15,400	43.2	181.1	14,400	155
160				14.2	126.0	14,500 *	19.7	139.2	15,400 *	26.5	154.0	16,600	31.9	163.9	15,600	36.4	170.8	14,700	40.3	175.5	13,800	160
165							13.0	122.2	14,400 *	21.9	142.9	15,800	28.1	155.3	14,900	33.0	163.6	14,000	37.2	169.2	13,100	165
170										16.0	128.3	14,900 *	23.7	145.0	14,200	29.4	155.4	13,400	34.0	162.2	12,500	170
175										6.0	102.6	13,800 *	18.4	132.0	13,600	25.2	145.7	12,700	30.4	154.3	11,900	175
180													10.8	112.7	13,000	20.2	133.7	12,200	26.4	145.0	11,400	180
190																			15.7	119.0	10,400	190



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

80 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.6	244.1	38,400 *																			50
55	72.7	242.7	36,700 *																			55
60	70.8	241.0	35,000 *																			60
65	68.9	239.2	33,400 *																			65
70	67.0	237.2	31,800 *	69.7	239.3	34,000 *																70
75	65.0	234.9	30,300 *	67.8	237.4	32,500 *																75
80	63.0	232.5	28,800 *	65.9	235.3	31,000 *	67.5	236.4	32,100 *													80
85	61.0	229.8	27,400 *	63.9	232.9	29,500 *	65.6	234.2	30,600 *													85
90	58.9	226.9	26,000 *	61.9	230.4	28,100 *	63.6	231.9	29,200 *													90
95	56.8	223.8	24,700 *	59.8	227.6	26,700 *	61.6	229.3	27,800 *													95
100	54.6	220.4	23,500 *	57.7	224.5	25,400 *	59.5	226.4	26,500 *	62.4	228.7	28,000 *										100
105	52.4	216.7	22,300 *	55.6	221.2	24,100 *	57.4	223.4	25,200 *	60.3	226.0	26,700 *										105
110	50.1	212.7	21,100 *	53.4	217.7	22,900 *	55.3	220.0	23,900 *	58.3	223.0	25,500 *										110
115	47.7	208.3	20,100 *	51.1	213.8	21,700 *	53.0	216.4	22,700 *	56.1	219.8	24,300 *										115
120	45.3	203.6	19,000 *	48.8	209.6	20,600 *	50.8	212.5	21,600 *	53.9	216.3	23,100 *	56.9	218.7	23,200							120
125	42.7	198.4	18,100 *	46.3	205.0	19,600 *	48.4	208.3	20,500 *	51.7	212.5	22,000 *	54.7	215.3	21,900							125
130	40.0	192.7	17,200 *	43.8	200.0	18,600 *	46.0	203.6	19,400 *	49.4	208.4	20,900 *	52.5	211.7	20,800							130
135	37.1	186.4	16,300 *	41.2	194.6	17,600 *	43.4	198.6	18,500 *	47.0	203.9	19,800 *	50.2	207.7	19,700							135
140	34.0	179.4	15,500 *	38.4	188.6	16,700 *	40.8	193.0	17,500 *	44.5	199.0	18,800 *	47.9	203.3	18,700	51.0	206.1	17,500				140
145	30.7	171.6	14,700 *	35.4	181.9	15,900 *	37.9	186.9	16,600 *	41.9	193.7	17,900 *	45.4	198.6	17,700	48.6	201.9	16,700				145
150	27.0	162.5	14,000 *	32.2	174.4	15,100 *	34.9	180.2	15,800 *	39.1	187.8	17,000 *	42.8	193.4	16,900	46.2	197.3	15,800				150
155	22.7	151.7	13,400 *	28.6	165.9	14,400 *	31.7	172.6	15,000 *	36.2	181.3	16,100 *	40.1	187.8	16,100	43.7	192.3	15,100	46.9	195.2	14,100	155
160	17.5	138.0	12,800 *	24.6	155.9	13,700 *	28.1	163.8	14,300 *	33.0	174.1	15,300 *	37.3	181.5	15,300	41.0	186.8	14,300	44.4	190.3	13,400	160
165	9.9	117.5	11,400 *	19.9	143.7	13,100 *	24.0	153.6	13,600 *	29.6	165.8	14,600 *	34.2	174.6	14,600	38.2	180.8	13,700	41.7	184.9	12,800	165
170				13.7	127.2	12,500 *	19.1	140.9	13,000 *	25.7	156.3	13,900 *	30.9	166.7	13,900	35.2	174.1	13,000	39.0	179.1	12,100	170
175							12.5	123.3	12,500 *	21.2	144.8	13,200 *	27.2	157.7	13,300	32.0	166.5	12,400	36.0	172.5	11,600	175
180										15.5	129.7	12,700 *	22.9	147.0	12,700	28.4	157.9	11,900	32.9	165.2	11,000	180
190													10.4	113.7	11,600	19.6	135.5	10,800	25.5	147.3	10,000	190
200																			15.2	120.4	9,100	200

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**80 Ft. Boom, 170 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.5	254.5	35,300 *																			50
55	73.7	253.1	33,900 *																			55
60	72.0	251.6	32,300 *																			60
65	70.2	249.9	30,700 *																			65
70	68.4	248.0	29,200 *	71.0	250.0	31,300 *																70
75	66.6	245.9	27,800 *	69.2	248.1	29,800 *																75
80	64.7	243.6	26,400 *	67.4	246.2	28,400 *																80
85	62.8	241.2	25,000 *	65.5	244.0	27,000 *	67.1	245.2	28,000 *													85
90	60.9	238.5	23,700 *	63.7	241.6	25,700 *	65.2	242.9	26,700 *													90
95	59.0	235.6	22,500 *	61.8	239.0	24,300 *	63.4	240.5	25,400 *													95
100	57.0	232.5	21,300 *	59.8	236.2	23,100 *	61.5	237.9	24,100 *													100
105	55.0	229.1	20,100 *	57.9	233.2	21,900 *	59.5	235.1	22,900 *	62.2	237.4	24,300 *										105
110	52.9	225.5	19,000 *	55.8	229.9	20,700 *	57.6	232.0	21,700 *	60.3	234.6	23,200 *										110
115	50.7	221.5	18,000 *	53.8	226.4	19,600 *	55.5	228.7	20,500 *	58.4	231.7	22,000 *										115
120	48.5	217.3	17,000 *	51.7	222.6	18,500 *	53.5	225.2	19,400 *	56.4	228.4	20,900 *										120
125	46.2	212.7	16,100 *	49.5	218.5	17,500 *	51.3	221.3	18,400 *	54.3	225.0	19,800 *	57.1	227.4	21,000 *							125
130	43.8	207.7	15,200 *	47.2	214.0	16,500 *	49.2	217.2	17,400 *	52.2	221.3	18,700 *	55.1	224.0	20,000 *							130
135	41.4	202.2	14,400 *	44.9	209.2	15,600 *	46.9	212.7	16,400 *	50.0	217.2	17,700 *	53.0	220.4	19,000 *							135
140	38.7	196.3	13,600 *	42.4	204.0	14,800 *	44.5	207.8	15,500 *	47.8	212.9	16,800 *	50.8	216.5	18,000 *							140
145	36.0	189.7	12,800 *	39.9	198.3	13,900 *	42.1	202.5	14,600 *	45.5	208.1	15,900 *	48.6	212.3	17,000 *	51.5	215.0	16,400				145
150	33.0	182.5	12,100 *	37.2	192.0	13,200 *	39.5	196.7	13,800 *	43.1	203.0	15,000 *	46.3	207.7	16,100 *	49.4	210.8	15,600				150
155	29.7	174.3	11,300 *	34.3	185.0	12,400 *	36.8	190.3	13,100 *	40.5	197.4	14,200 *	44.0	202.7	15,300 *	47.1	206.4	14,800				155
160	26.1	164.8	10,500 *	31.2	177.3	11,700 *	33.9	183.3	12,300 *	37.9	191.3	13,400 *	41.5	197.3	14,400 *	44.7	201.5	14,100	47.7	204.2	13,100	160
165	22.0	153.6	9,700 *	27.8	168.4	10,800 *	30.7	175.3	11,600 *	35.0	184.5	12,600 *	38.9	191.4	13,600 *	42.3	196.2	13,400	45.4	199.4	12,500	165
170	17.0	139.5	8,900 *	23.9	158.1	10,000 *	27.2	166.3	10,700 *	32.0	177.0	11,900 *	36.1	184.8	12,900 *	39.7	190.5	12,800	43.0	194.3	11,900	170
175	9.6	118.4	8,200 *	19.3	145.5	9,200 *	23.3	155.7	9,900 *	28.7	168.4	11,000 *	33.1	177.6	12,100 *	37.0	184.2	12,200	40.4	188.7	11,300	175
180				13.3	128.4	8,500 *	18.5	142.6	9,100 *	24.9	158.5	10,200 *	29.9	169.5	11,400 *	34.1	177.2	11,600	37.8	182.5	10,800	180
190										15.0	131.0	8,700 *	22.2	149.0	9,700 *	27.5	160.4	10,600	31.8	168.1	9,800	190
200													10.1	114.6	8,200 *	19.0	137.2	9,200 *	24.7	149.6	8,900	200
210																			14.7	121.7	8,100	210



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

90 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
30	71.5	166.3	103,700 *b																			30
35	67.1	164.4	99,400 *b																			35
40	62.6	162.0	94,300 *b	69.8	164.9	102,800 *b																40
45	57.8	159.2	86,800 *	65.3	162.8	94,000 *b																45
50	52.9	155.7	75,300 *	60.7	160.2	83,200 *	65.1	161.9	82,600 b													50
55	47.5	151.5	66,200 *	55.9	157.2	74,500 *	60.5	159.4	73,200													55
60	41.7	146.5	58,800 *	50.8	153.4	67,400 *	55.7	156.2	65,700													60
65	35.1	140.2	52,700 *	45.3	149.0	61,100	50.6	152.5	59,400	58.5	156.3	56,700										65
70	27.2	131.9	47,500 *	39.2	143.5	55,700	45.1	148.0	54,200	53.5	152.9	51,700										70
75	16.1	119.3	41,100 *	32.2	136.5	50,800 *	38.9	142.4	49,700	48.3	148.8	47,400	56.2	152.2	45,200							75
80				23.4	127.0	45,900 *	31.9	135.4	45,900	42.5	143.9	43,800	51.1	148.6	41,700							80
85				8.5	109.6	38,700 *	23.0	125.7	42,500	36.1	137.8	40,600	45.7	144.1	38,600							85
90							7.2	107.2	39,200 *	28.4	129.8	37,800	39.6	138.7	36,000	48.4	143.2	34,200				90
95										17.9	118.1	35,300	32.7	131.8	33,600	42.6	138.3	31,900				95
100													24.0	122.6	31,500	36.2	132.2	29,900	45.1	136.7	28,400	100
105													10.0	106.3	29,500	28.5	124.3	28,100	39.0	131.1	26,700	105
110																18.1	112.7	26,400	31.9	124.1	25,100	110
115																			23.1	114.5	23,600	115
120																			7.5	96.2	22,300	120



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

90 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
30	73.8	176.7	94,600 *b																			30
35	70.1	175.1	90,900 *b																			35
40	66.2	173.1	87,400 *																			40
45	62.2	170.7	84,200 *	68.6	173.7	90,300 *b																45
50	58.1	167.8	75,400 *	64.7	171.5	82,700 *																50
55	53.8	164.5	66,300 *	60.6	168.9	74,000 *	64.5	170.6	72,900													55
60	49.2	160.5	59,000 *	56.4	165.8	66,900 *	60.5	168.0	65,300													60
65	44.3	155.8	52,900 *	52.0	162.2	60,800	56.2	164.9	59,100	62.8	167.7	56,300										65
70	38.9	150.1	47,900 *	47.3	158.0	55,400	51.8	161.3	53,900	58.7	164.9	51,300										70
75	32.8	143.2	43,500 *	42.2	153.0	50,900	47.1	157.0	49,400	54.4	161.6	47,100										75
80	25.4	134.2	39,600 *	36.6	146.9	46,200 *	42.0	152.0	45,600	49.8	157.7	43,400	56.7	160.9	41,300							80
85	15.1	120.7	34,700 *	30.1	139.3	42,100 *	36.3	145.8	42,300	45.0	153.1	40,300	52.3	157.4	38,300							85
90				21.9	129.0	38,400 *	29.8	138.1	39,400	39.7	147.6	37,500	47.6	153.2	35,600							90
95				8.0	110.3	32,900 *	21.5	127.7	36,700	33.7	140.9	35,000	42.6	148.2	33,200	49.9	152.1	31,500				95
100							6.7	107.8	33,400 *	26.5	132.3	32,800	37.0	142.2	31,100	45.1	147.5	29,500				100
105										16.8	119.7	30,800	30.5	134.7	29,200	39.7	142.0	27,700	47.1	145.8	26,200	105
110													22.5	124.6	27,500	33.7	135.4	26,100	42.0	140.7	24,700	110
115													9.4	107.1	25,900	26.6	126.8	24,600	36.4	134.6	23,300	115
120																17.0	114.3	23,200	29.8	126.9	22,000	120
125																			21.6	116.5	20,800	125
130																			7.0	96.8	19,600	130

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**90 Ft. Boom, 90 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
30	75.7	187.1	84,800 *b																			30
35	72.4	185.7	81,600 *b																			35
40	69.0	183.9	77,900 *																			40
45	65.5	181.8	74,400 *																			45
50	62.0	179.4	71,200 *	67.6	182.4	77,100 *																50
55	58.3	176.5	66,800 *	64.2	180.2	73,800 *	67.5	181.6	72,600													55
60	54.5	173.2	59,400 *	60.6	177.6	66,900 *	64.0	179.3	65,100													60
65	50.5	169.3	53,300 *	56.8	174.5	60,600	60.4	176.7	58,900													65
70	46.2	164.9	48,200 *	53.0	171.0	55,200	56.7	173.6	53,700	62.5	176.4	51,100										70
75	41.6	159.7	43,900 *	48.8	167.0	50,700	52.8	170.1	49,200	58.8	173.6	46,800										75
80	36.6	153.6	40,100 *	44.5	162.2	46,600 *	48.7	166.0	45,400	55.0	170.3	43,200										80
85	30.9	146.1	36,800 *	39.7	156.7	42,500 *	44.3	161.2	42,100	51.0	166.6	40,000	57.1	169.6	38,000							85
90	23.9	136.4	33,800 *	34.4	150.1	38,900 *	39.5	155.7	39,200	46.8	162.2	37,300	53.2	166.1	35,400							90
95	14.2	122.0	29,900 *	28.3	141.9	35,800 *	34.2	149.0	36,600	42.3	157.1	34,800	49.1	162.1	33,000							95
100				20.6	130.9	32,900 *	28.0	140.7	34,300	37.3	151.1	32,600	44.7	157.4	30,900	51.1	160.9	29,300				100
105				7.5	111.0	28,500 *	20.2	129.5	32,200	31.7	143.8	30,600	40.0	151.9	29,000	46.9	156.6	27,500				105
110							6.4	108.4	28,900 *	25.0	134.6	28,800	34.8	145.4	27,300	42.3	151.5	25,900				110
115										15.8	121.1	27,200	28.7	137.3	25,800	37.4	145.5	24,400	44.3	150.0	23,000	115
120													21.2	126.6	24,400	31.8	138.3	23,000	39.5	144.4	21,800	120
125													8.8	107.9	23,000	25.1	129.0	21,800	34.2	137.7	20,600	125
130																16.0	115.7	20,600	28.1	129.5	19,500	130
135																			20.3	118.3	18,500	135
140																			6.6	97.4	17,500	140

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**90 Ft. Boom, 100 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	74.2	196.1	75,200 *b																			35
40	71.2	194.6	72,400 *																			40
45	68.1	192.7	69,300 *																			45
50	65.0	190.5	66,200 *	70.0	193.1	71,700 *																50
55	61.8	188.0	63,300 *	66.9	191.2	68,600 *																55
60	58.5	185.2	59,300 *	63.8	188.9	65,600 *	66.8	190.3	64,700													60
65	55.1	181.9	53,200 *	60.5	186.2	60,300	63.6	188.0	58,500													65
70	51.5	178.2	48,200 *	57.2	183.2	54,900	60.4	185.3	53,300													70
75	47.7	173.9	43,800 *	53.7	179.8	50,400	57.0	182.3	48,900	62.2	185.1	46,500										75
80	43.7	169.0	40,100 *	50.0	175.8	46,500	53.5	178.8	45,100	58.9	182.2	42,800										80
85	39.4	163.4	36,800 *	46.2	171.3	42,500 *	49.9	174.9	41,800	55.5	179.0	39,700										85
90	34.7	156.8	33,900 *	42.1	166.2	38,900 *	46.0	170.4	38,900	52.0	175.4	36,900	57.4	178.3	35,000							90
95	29.2	148.8	31,400 *	37.6	160.2	35,800 *	41.9	165.2	36,300	48.2	171.2	34,500	53.9	174.9	32,600							95
100	22.7	138.5	29,000 *	32.6	153.1	33,000 *	37.4	159.1	34,000	44.3	166.4	32,300	50.3	171.0	30,500							100
105	13.5	123.2	25,700 *	26.8	144.3	30,500 *	32.4	152.0	32,000	40.0	160.9	30,300	46.4	166.5	28,700	52.0	169.7	27,100				105
110				19.6	132.7	28,300 *	26.6	143.1	30,100	35.3	154.4	28,500	42.3	161.4	27,000	48.3	165.6	25,500				110
115				7.1	111.6	24,700 *	19.2	131.3	28,200 *	30.0	146.6	26,900	37.9	155.5	25,400	44.3	160.8	24,000				115
120							6.0	108.9	25,100 *	23.7	136.7	25,400	32.9	148.4	24,000	40.1	155.3	22,700	46.0	159.1	21,400	120
125										15.0	122.5	24,100	27.2	139.8	22,800	35.4	148.8	21,500	41.9	153.9	20,200	125
130													20.1	128.4	21,600	30.1	141.1	20,300	37.4	147.9	19,100	130
135													8.4	108.6	20,400	23.8	131.2	19,300	32.4	140.7	18,100	135
140																15.2	117.1	18,300	26.6	131.9	17,200	140
145																			19.3	120.1	16,400	145
150																			6.2	98.0	15,500	150



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

90 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	75.7	206.5	69,500 *b																			35
40	72.9	205.1	67,100 *																			40
45	70.2	203.4	64,300 *																			45
50	67.4	201.5	61,700 *																			50
55	64.6	199.2	59,200 *	69.1	202.0	63,600 *																55
60	61.6	196.7	56,700 *	66.3	199.9	61,200 *																60
65	58.6	193.8	53,400 *	63.4	197.6	58,700 *	66.2	199.0	58,400													65
70	55.5	190.6	48,300 *	60.5	194.9	54,900	63.3	196.7	53,200													70
75	52.3	186.9	44,000 *	57.4	191.9	50,300	60.3	194.0	48,800													75
80	48.9	182.8	40,200 *	54.3	188.5	46,400	57.3	191.0	45,000	62.0	193.7	42,800										80
85	45.4	178.2	37,000 *	51.0	184.7	42,600 *	54.1	187.6	41,700	59.0	190.9	39,600										85
90	41.6	172.9	34,200 *	47.6	180.4	39,100 *	50.9	183.7	38,800	55.9	187.7	36,800										90
95	37.5	166.9	31,600 *	43.9	175.5	36,000 *	47.4	179.4	36,300	52.7	184.1	34,400	57.6	187.0	32,500							95
100	33.0	159.8	29,300 *	40.0	169.9	33,300 *	43.8	174.5	34,000	49.4	180.1	32,200	54.5	183.6	30,500							100
105	27.9	151.3	27,300 *	35.8	163.5	30,800 *	39.9	168.9	31,900	45.9	175.5	30,300	51.2	179.8	28,600							105
110	21.6	140.5	25,400 *	31.1	155.9	28,600 *	35.6	162.4	30,100	42.1	170.4	28,500	47.8	175.5	26,900	52.8	178.5	25,400				110
115	12.8	124.3	22,600 *	25.6	146.7	26,600 *	30.8	154.8	28,400	38.1	164.4	26,900	44.1	170.7	25,400	49.4	174.5	23,900				115
120				18.6	134.4	24,800 *	25.3	145.4	26,600 *	33.6	157.5	25,400	40.3	165.2	24,000	45.9	169.9	22,600				120
125				6.8	112.2	21,800 *	18.3	132.9	24,800 *	28.6	149.2	24,100	36.1	158.8	22,700	42.2	164.8	21,400	47.4	168.1	20,100	125
130							5.7	109.4	22,200 *	22.5	138.8	22,800	31.4	151.3	21,600	38.1	158.8	20,300	43.8	163.2	19,100	130
135										14.3	123.7	21,700	25.9	142.2	20,500	33.7	151.9	19,300	39.9	157.6	18,100	135
140													19.1	130.1	19,400	28.7	143.7	18,300	35.6	151.2	17,200	140
145													8.0	109.4	18,500	22.6	133.3	17,400	30.9	143.6	16,300	145
150																14.5	118.4	16,600	25.4	134.2	15,500	150
155																			18.3	121.7	14,800	155
160																			5.9	98.5	14,100	160

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**90 Ft. Boom, 120 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.4	215.5	61,900 *																			40
45	71.9	214.0	59,500 *																			45
50	69.4	212.2	57,000 *																			50
55	66.8	210.2	54,600 *	70.9	212.6	58,600 *																55
60	64.2	207.9	52,300 *	68.4	210.7	56,300 *																60
65	61.5	205.4	50,100 *	65.8	208.6	54,000 *																65
70	58.7	202.5	48,100 *	63.1	206.2	51,900 *	65.7	207.8	52,900													70
75	55.9	199.3	43,800 *	60.4	203.5	49,800 *	63.0	205.4	48,500													75
80	53.0	195.7	40,100 *	57.6	200.5	46,100	60.3	202.7	44,700													80
85	49.9	191.7	36,800 *	54.8	197.2	42,400 *	57.5	199.6	41,400	61.9	202.4	39,200										85
90	46.7	187.3	34,000 *	51.8	193.5	38,900 *	54.6	196.3	38,500	59.1	199.6	36,500										90
95	43.4	182.3	31,500 *	48.7	189.3	35,800 *	51.7	192.5	36,000	56.3	196.4	34,000										95
100	39.8	176.6	29,200 *	45.4	184.7	33,100 *	48.5	188.3	33,700	53.4	192.9	31,900	57.8	195.6	30,100							100
105	35.9	170.2	27,200 *	42.0	179.4	30,700 *	45.3	183.7	31,600	50.3	189.0	29,900	54.9	192.3	28,200							105
110	31.6	162.7	25,300 *	38.3	173.5	28,500 *	41.8	178.4	29,800	47.2	184.6	28,200	52.0	188.6	26,600							110
115	26.6	153.7	23,600 *	34.2	166.7	26,600 *	38.1	172.4	28,100	43.8	179.7	26,600	48.9	184.5	25,000							115
120	20.7	142.3	22,100 *	29.7	158.7	24,800 *	34.0	165.6	26,500 *	40.2	174.1	25,100	45.6	179.8	23,700	50.4	183.3	22,200				120
125	12.3	125.4	19,700 *	24.5	148.9	23,100 *	29.5	157.5	24,800 *	36.4	167.8	23,800	42.2	174.6	22,400	47.2	179.0	21,000				125
130				17.8	136.0	21,600 *	24.2	147.6	23,100 *	32.2	160.4	22,500	38.5	168.8	21,200	43.9	174.1	19,900				130
135				6.5	112.8	19,000 *	17.5	134.5	21,600 *	27.3	151.7	21,400	34.5	162.0	20,100	40.3	168.5	18,900	45.3	172.4	17,700	135
140							5.5	109.9	19,400 *	21.6	140.7	20,300	30.0	154.1	19,100	36.5	162.2	18,000	41.8	167.1	16,800	140
145										13.7	125.0	19,300	24.8	144.4	18,200	32.2	154.9	17,100	38.1	161.2	16,000	145
150													18.3	131.7	17,300	27.4	146.2	16,200	34.1	154.3	15,200	150
155													7.6	110.0	16,500	21.7	135.2	15,500	29.5	146.3	14,500	155
160																13.8	119.6	14,700	24.3	136.4	13,800	160
165																			17.6	123.3	13,100	165
170																			5.7	99.0	12,500	170



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

90 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.6	225.8	50,500 *																			40
45	73.3	224.5	49,500 *																			45
50	71.0	222.8	48,500 *																			50
55	68.7	221.0	46,800 *																			55
60	66.3	218.9	44,800 *	70.1	221.4	48,000 *																60
65	63.9	216.6	43,000 *	67.8	219.5	46,100 *																65
70	61.4	214.0	41,200 *	65.3	217.3	44,300 *	67.6	218.6	45,800 *													70
75	58.8	211.2	39,400 *	62.9	214.9	42,500 *	65.2	216.5	44,000 *													75
80	56.2	208.0	37,800 *	60.4	212.2	40,700 *	62.8	214.0	42,300 *													80
85	53.5	204.5	36,300 *	57.8	209.2	39,100 *	60.3	211.3	40,600 *													85
90	50.7	200.6	34,100 *	55.2	205.9	37,500 *	57.7	208.3	38,300	61.7	211.1	36,200										90
95	47.8	196.3	31,600 *	52.5	202.3	36,000 *	55.1	205.0	35,700	59.2	208.2	33,800										95
100	44.8	191.5	29,300 *	49.6	198.2	33,200 *	52.3	201.3	33,400	56.6	205.1	31,600										100
105	41.6	186.2	27,300 *	46.7	193.7	30,800 *	49.5	197.3	31,400	53.9	201.6	29,700	58.0	204.3	28,000							105
110	38.1	180.2	25,400 *	43.5	188.7	28,600 *	46.5	192.8	29,600	51.1	197.8	27,900	55.3	201.0	26,300							110
115	34.4	173.4	23,700 *	40.2	183.2	26,600 *	43.4	187.7	27,900	48.2	193.5	26,300	52.6	197.4	24,800							115
120	30.3	165.5	22,200 *	36.7	176.9	24,900 *	40.1	182.1	26,400	45.2	188.8	24,900	49.8	193.3	23,400							120
125	25.6	156.0	20,800 *	32.8	169.7	23,200 *	36.5	175.8	24,800 *	42.0	183.6	23,500	46.8	188.9	22,100	51.2	192.2	20,800				125
130	19.9	144.1	19,400 *	28.5	161.3	21,700 *	32.7	168.6	23,200 *	38.6	177.7	22,300	43.7	183.9	21,000	48.3	187.9	19,700				130
135	11.8	126.5	17,300 *	23.5	151.0	20,300 *	28.3	160.1	21,700 *	34.9	171.0	21,200	40.4	178.4	19,900	45.3	183.2	18,600				135
140				17.1	137.5	19,000 *	23.2	149.7	20,300 *	30.9	163.3	20,100	36.9	172.2	18,900	42.1	178.0	17,700	46.5	181.5	16,500	140
145				6.3	113.4	16,800 *	16.8	136.0	19,000 *	26.2	154.1	19,200	33.1	165.0	18,000	38.7	172.1	16,800	43.4	176.5	15,700	145
150							5.3	110.4	17,100 *	20.7	142.6	18,300	28.8	156.7	17,100	35.0	165.4	16,000	40.1	170.9	14,900	150
155										13.1	126.1	17,400	23.8	146.6	16,300	30.9	157.7	15,200	36.6	164.6	14,200	155
160													17.6	133.3	15,600	26.3	148.6	14,500	32.7	157.3	13,500	160
165													7.3	110.7	14,800	20.8	137.1	13,900	28.4	148.8	12,900	165
170																13.3	120.8	13,200	23.3	138.5	12,300	170
175																			16.9	124.8	11,700	175
180																			5.5	99.5	11,100	180

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**90 Ft. Boom, 140 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.6	234.9	46,200 *																			45
50	72.4	233.4	45,000 *																			50
55	70.3	231.7	43,100 *																			55
60	68.1	229.8	41,300 *																			60
65	65.9	227.7	39,500 *	69.4	230.2	42,400 *																65
70	63.6	225.3	37,800 *	67.2	228.3	40,700 *																70
75	61.3	222.7	36,200 *	65.0	226.0	39,000 *	67.1	227.4	40,400 *													75
80	58.9	219.8	34,600 *	62.7	223.6	37,300 *	64.9	225.2	38,800 *													80
85	56.5	216.7	33,100 *	60.4	220.9	35,700 *	62.6	222.7	37,200 *													85
90	54.0	213.2	31,600 *	58.0	217.9	34,200 *	60.3	220.0	35,600 *													90
95	51.4	209.4	30,300 *	55.5	214.6	32,700 *	57.9	217.0	34,100 *	61.6	219.7	33,400										95
100	48.8	205.2	28,900 *	53.0	211.0	31,300 *	55.4	213.7	32,700 *	59.2	216.9	31,300										100
105	46.0	200.6	27,000 *	50.4	207.1	30,000 *	52.9	210.1	31,100	56.8	213.8	29,300										105
110	43.1	195.5	25,200 *	47.7	202.7	28,400 *	50.3	206.1	29,200	54.4	210.3	27,600										110
115	40.0	189.9	23,500 *	44.9	197.9	26,400 *	47.6	201.8	27,600	51.8	206.6	26,000	55.7	209.7	24,400							115
120	36.7	183.6	22,000 *	41.9	192.7	24,600 *	44.7	197.0	26,100	49.1	202.5	24,500	53.2	206.1	23,000							120
125	33.1	176.4	20,600 *	38.7	186.8	23,000 *	41.8	191.6	24,600 *	46.4	197.9	23,200	50.6	202.2	21,800							125
130	29.2	168.1	19,300 *	35.3	180.1	21,600 *	38.6	185.7	23,000 *	43.5	192.9	22,000	47.9	197.9	20,600	51.8	201.0	19,300				130
135	24.6	158.3	18,100 *	31.6	172.6	20,200 *	35.2	179.0	21,500 *	40.4	187.3	20,900	45.0	193.1	19,600	49.2	196.9	18,300				135
140	19.1	145.8	16,900 *	27.5	163.7	18,900 *	31.4	171.4	20,200 *	37.1	181.1	19,800	42.1	187.9	18,600	46.4	192.3	17,300				140
145	11.4	127.5	15,100 *	22.6	153.0	17,700 *	27.3	162.5	18,900 *	33.6	174.1	18,900	38.9	182.0	17,600	43.5	187.3	16,500	47.6	190.5	15,300	145
150				16.5	139.0	16,600 *	22.4	151.7	17,700 *	29.7	166.0	18,000	35.5	175.4	16,800	40.5	181.8	15,700	44.8	185.7	14,600	150
155				6.0	113.9	14,700 *	16.2	137.5	16,600 *	25.3	156.4	17,100	31.8	167.9	16,000	37.2	175.5	14,900	41.8	180.4	13,800	155
160							5.1	110.8	15,000 *	20.0	144.4	16,300	27.7	159.2	15,200	33.7	168.5	14,200	38.6	174.5	13,200	160
165										12.7	127.3	15,600	22.9	148.6	14,500	29.8	160.4	13,500	35.2	167.8	12,500	165
170													16.9	134.8	13,900	25.4	150.8	12,900	31.5	160.2	11,900	170
175													7.1	111.3	13,200	20.0	138.9	12,300	27.3	151.3	11,400	175
180																12.8	121.9	11,700	22.4	140.5	10,800	180
190																			5.3	100.0	9,800	190



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

90 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.6	245.2	43,100 *																			45
50	73.6	243.8	41,600 *																			50
55	71.6	242.3	39,900 *																			55
60	69.6	240.5	38,200 *																			60
65	67.6	238.5	36,500 *	70.8	240.9	39,100 *																65
70	65.5	236.4	34,900 *	68.8	239.0	37,500 *																70
75	63.4	234.0	33,300 *	66.7	237.0	35,900 *																75
80	61.2	231.4	31,800 *	64.6	234.7	34,400 *	66.7	236.1	35,600 *													80
85	59.0	228.5	30,400 *	62.5	232.3	32,900 *	64.6	233.9	34,200 *													85
90	56.7	225.3	29,000 *	60.3	229.5	31,400 *	62.4	231.4	32,700 *													90
95	54.4	221.9	27,600 *	58.1	226.6	30,000 *	60.2	228.6	31,300 *													95
100	52.0	218.2	26,300 *	55.8	223.3	28,600 *	58.0	225.6	29,900 *	61.5	228.4	31,100										100
105	49.6	214.1	25,100 *	53.5	219.8	27,300 *	55.7	222.4	28,500 *	59.3	225.6	29,200										105
110	47.0	209.6	24,000 *	51.1	215.9	26,000 *	53.4	218.8	27,300 *	57.0	222.4	27,500										110
115	44.4	204.8	22,900 *	48.6	211.7	24,800 *	51.0	214.9	26,000 *	54.7	219.1	25,900										115
120	41.6	199.4	21,900 *	46.0	207.1	23,700 *	48.5	210.7	24,800 *	52.4	215.4	24,400	56.0	218.4	22,900							120
125	38.6	193.5	20,600 *	43.3	202.0	22,600 *	45.9	206.1	23,700 *	49.9	211.3	23,100	53.6	214.9	21,700							125
130	35.4	186.8	19,300 *	40.4	196.4	21,500 *	43.1	201.0	22,600 *	47.4	206.9	21,900	51.2	211.0	20,500							130
135	32.0	179.3	18,200 *	37.4	190.2	20,200 *	40.3	195.4	21,500 *	44.7	202.1	20,800	48.7	206.8	19,400	52.4	209.8	18,200				135
140	28.2	170.7	17,000 *	34.1	183.3	19,000 *	37.2	189.1	20,200 *	41.9	196.8	19,700	46.1	202.2	18,500	50.0	205.7	17,200				140
145	23.8	160.4	16,000 *	30.5	175.3	17,800 *	33.9	182.2	19,000 *	39.0	191.0	18,800	43.4	197.2	17,500	47.4	201.3	16,400				145
150	18.5	147.5	15,000 *	26.5	166.1	16,700 *	30.3	174.2	17,800 *	35.8	184.4	17,900	40.6	191.6	16,700	44.8	196.5	15,600				150
155	11.0	128.5	13,400 *	21.9	155.0	15,700 *	26.3	164.9	16,700 *	32.4	177.0	17,000	37.5	185.5	15,900	42.0	191.2	14,800	45.9	194.8	13,700	155
160				16.0	140.4	14,700 *	21.6	153.7	15,700 *	28.7	168.6	16,300	34.3	178.6	15,200	39.0	185.4	14,100	43.2	189.7	13,100	160
165				5.8	114.4	13,000 *	15.6	138.9	14,700 *	24.4	158.6	15,500	30.7	170.7	14,500	35.9	178.8	13,400	40.3	184.1	12,400	165
170							4.9	111.3	13,400 *	19.3	146.1	14,800	26.8	161.6	13,800	32.5	171.5	12,800	37.2	177.9	11,900	170
175										12.2	128.4	14,100	22.1	150.6	13,200	28.7	163.0	12,200	34.0	170.9	11,300	175
180													16.4	136.3	12,600	24.5	153.1	11,700	30.4	163.0	10,800	180
190																12.4	123.0	10,600	21.7	142.5	9,800	190
200																			5.1	100.4	8,900	200

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**90 Ft. Boom, 160 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.7	254.2	38,200 *																			50
55	72.8	252.8	36,600 *																			55
60	70.9	251.1	35,000 *																			60
65	69.0	249.3	33,400 *																			65
70	67.1	247.3	31,800 *	70.2	249.7	34,200 *																70
75	65.1	245.1	30,300 *	68.3	247.8	32,700 *																75
80	63.2	242.7	28,800 *	66.3	245.7	31,300 *																80
85	61.1	240.0	27,400 *	64.4	243.4	29,800 *	66.2	244.9	31,000 *													85
90	59.1	237.1	26,100 *	62.4	240.9	28,400 *	64.3	242.6	29,600 *													90
95	57.0	234.0	24,800 *	60.3	238.2	27,000 *	62.3	240.0	28,300 *													95
100	54.8	230.6	23,600 *	58.2	235.2	25,700 *	60.2	237.3	26,900 *													100
105	52.6	227.0	22,400 *	56.1	232.0	24,400 *	58.1	234.3	25,600 *	61.4	237.1	27,400 *										105
110	50.3	223.0	21,300 *	53.9	228.5	23,200 *	56.0	231.1	24,400 *	59.3	234.2	26,100 *										110
115	47.9	218.6	20,200 *	51.7	224.7	22,100 *	53.8	227.6	23,200 *	57.2	231.1	24,900 *										115
120	45.4	213.9	19,100 *	49.4	220.6	20,900 *	51.6	223.8	22,000 *	55.1	227.8	23,800 *										120
125	42.9	208.8	18,200 *	46.9	216.1	19,900 *	49.2	219.6	20,900 *	52.9	224.1	22,600 *	56.2	227.1	21,300							125
130	40.2	203.1	17,300 *	44.4	211.2	18,900 *	46.8	215.1	19,900 *	50.6	220.2	21,500 *	54.1	223.6	20,200							130
135	37.3	196.9	16,400 *	41.8	205.9	17,900 *	44.3	210.2	18,900 *	48.2	215.9	20,400	51.8	219.8	19,100							135
140	34.2	190.0	15,600 *	39.1	200.0	17,000 *	41.7	204.9	17,900 *	45.8	211.2	19,400	49.5	215.7	18,100	52.9	218.5	16,900				140
145	30.9	182.1	14,800 *	36.1	193.5	16,200 *	38.9	199.0	17,000 *	43.2	206.2	18,500	47.1	211.3	17,200	50.6	214.6	16,000				145
150	27.2	173.1	14,100 *	33.0	186.3	15,300 *	36.0	192.5	16,100 *	40.5	200.6	17,500 *	44.6	206.4	16,400	48.3	210.3	15,200				150
155	23.0	162.5	13,400 *	29.5	178.0	14,600 *	32.8	185.2	15,300 *	37.7	194.4	16,700 *	42.0	201.1	15,600	45.8	205.6	14,400				155
160	17.9	149.1	12,900 *	25.7	168.5	13,900 *	29.4	176.9	14,600 *	34.7	187.6	15,800 *	39.2	195.3	14,800	43.3	200.6	13,700	46.9	203.9	12,700	160
165	10.6	129.4	11,600 *	21.1	156.9	13,300 *	25.5	167.2	13,900 *	31.4	179.9	15,000 *	36.3	188.8	14,100	40.6	195.0	13,100	44.4	199.0	12,100	165
170				15.4	141.8	12,700 *	20.9	155.6	13,200 *	27.8	171.1	14,300 *	33.2	181.6	13,500	37.7	188.9	12,500	41.7	193.6	11,500	170
175				5.6	114.9	11,400 *	15.1	140.2	12,700 *	23.6	160.7	13,600 *	29.7	173.4	12,900	34.7	182.0	11,900	39.0	187.7	10,900	175
180							4.8	111.7	11,700 *	18.7	147.8	13,000 *	25.9	164.0	12,300	31.4	174.3	11,300	36.0	181.2	10,400	180
190													15.8	137.7	11,200	23.7	155.2	10,300	29.4	165.6	9,500	190
200																12.0	124.1	9,400	21.0	144.4	8,600	200
210																			4.9	100.9	7,800	210



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

90 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.6	264.6	34,800 *																			50
55	73.9	263.2	33,800 *																			55
60	72.1	261.7	32,200 *																			60
65	70.3	260.0	30,700 *																			65
70	68.5	258.1	29,200 *																			70
75	66.7	256.0	27,800 *	69.6	258.5	30,100 *																75
80	64.8	253.8	26,400 *	67.8	256.6	28,700 *																80
85	63.0	251.3	25,100 *	66.0	254.5	27,300 *	67.7	255.7	28,400 *													85
90	61.1	248.7	23,800 *	64.1	252.1	26,000 *	65.9	253.6	27,100 *													90
95	59.1	245.8	22,600 *	62.2	249.6	24,700 *	64.0	251.2	25,800 *													95
100	57.1	242.7	21,400 *	60.3	246.9	23,400 *	62.1	248.7	24,500 *													100
105	55.1	239.3	20,200 *	58.3	243.9	22,200 *	60.2	246.0	23,300 *													105
110	53.0	235.7	19,100 *	56.3	240.7	21,000 *	58.3	243.0	22,100 *	61.3	245.7	23,800 *										110
115	50.9	231.8	18,100 *	54.3	237.2	19,900 *	56.3	239.8	21,000 *	59.4	242.9	22,600 *										115
120	48.7	227.6	17,100 *	52.2	233.5	18,800 *	54.2	236.3	19,900 *	57.4	239.8	21,500 *										120
125	46.4	223.0	16,200 *	50.0	229.5	17,800 *	52.1	232.5	18,800 *	55.4	236.5	20,400 *										125
130	44.0	218.0	15,300 *	47.8	225.1	16,800 *	49.9	228.5	17,800 *	53.3	232.9	19,300 *	56.5	235.8	19,900							130
135	41.5	212.6	14,400 *	45.5	220.4	15,900 *	47.7	224.1	16,800 *	51.2	229.0	18,300 *	54.4	232.3	18,800							135
140	38.9	206.7	13,600 *	43.1	215.2	15,000 *	45.4	219.4	15,900 *	49.0	224.8	17,300 *	52.3	228.6	17,900							140
145	36.2	200.2	12,900 *	40.5	209.6	14,200 *	42.9	214.2	15,000 *	46.7	220.3	16,400 *	50.2	224.6	16,900							145
150	33.2	193.0	12,200 *	37.9	203.5	13,400 *	40.4	208.6	14,200 *	44.3	215.4	15,500 *	47.9	220.2	16,100	51.2	223.4	14,900				150
155	30.0	184.9	11,400 *	35.0	196.7	12,600 *	37.7	202.5	13,400 *	41.9	210.0	14,600 *	45.6	215.5	15,300	49.0	219.2	14,200				155
160	26.4	175.5	10,600 *	32.0	189.2	11,900 *	34.9	195.6	12,600 *	39.3	204.2	13,800 *	43.2	210.4	14,600	46.7	214.7	13,500				160
165	22.3	164.5	9,700 *	28.6	180.6	11,100 *	31.8	188.1	11,900 *	36.5	197.8	13,100 *	40.7	204.9	13,900	44.4	209.8	12,800	47.7	212.8	11,800	165
170	17.4	150.6	9,000 *	24.9	170.7	10,200 *	28.5	179.4	11,100 *	33.6	190.7	12,300 *	38.0	198.8	13,200	41.9	204.5	12,200	45.4	208.1	11,200	170
175	10.3	130.3	8,300 *	20.5	158.7	9,400 *	24.7	169.5	10,200 *	30.4	182.7	11,600 *	35.2	192.0	12,600	39.3	198.6	11,600	43.0	203.0	10,700	175
180				15.0	143.1	8,700 *	20.3	157.4	9,400 *	26.9	173.5	10,700 *	32.1	184.5	12,000 *	36.6	192.2	11,100	40.4	197.3	10,200	180
190							4.6	112.1	8,100 *	18.1	149.4	9,100 *	25.1	166.2	10,300 *	30.5	177.1	10,100	34.9	184.4	9,200	190
200													15.4	139.1	8,800 *	23.0	157.3	9,200	28.5	168.2	8,300	200
210																11.6	125.1	8,300	20.3	146.2	7,600	210
220																			4.8	101.3	6,800	220



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

100 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	67.4	174.5	98,900 *b																			35
40	62.9	172.2	94,000 *b	70.8	175.2	98,900 *b																40
45	58.2	169.4	87,200 *	66.4	173.3	91,500 *b																45
50	53.2	166.0	76,200 *	61.9	170.8	81,000 *b	66.7	172.5	82,000 b													50
55	47.9	161.9	67,000 *	57.1	167.9	72,500 *	62.1	170.2	72,700 b													55
60	42.1	156.9	59,500 *	52.1	164.3	65,600 *	57.4	167.2	65,200													60
65	35.6	150.7	53,300 *	46.7	160.1	59,800 *	52.4	163.7	59,000	60.9	167.4	55,900 b										65
70	27.8	142.6	48,000 *	40.8	154.8	54,900 *	47.0	159.5	53,800	56.1	164.4	51,000										70
75	17.1	130.5	41,600 *	34.0	148.3	50,600 *	41.1	154.3	49,400	51.0	160.7	46,800										75
80				25.8	139.6	47,000 *	34.5	147.9	45,600	45.6	156.2	43,200	54.6	160.6	40,800							80
85				13.7	125.7	41,400 *	26.4	139.4	42,200	39.5	150.8	40,000	49.4	156.7	37,800							85
90							14.7	126.0	39,300	32.5	143.9	37,300	43.8	151.9	35,200	52.8	155.7	33,200				90
95										23.9	134.6	34,800	37.5	146.1	32,900	47.5	151.6	31,000				95
100										9.7	118.0	32,500	30.2	138.7	30,800	41.7	146.5	29,000				100
105													20.6	128.1	28,900	35.1	140.2	27,300	45.1	145.4	25,600	105
110																27.1	131.9	25,600	39.0	139.8	24,100	110
115																16.0	119.3	24,200	31.9	132.8	22,700	115
120																			23.1	123.2	21,500	120
125																			7.5	104.9	20,200	125



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

100 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	70.3	185.2	90,300 *b																			35
40	66.5	183.3	86,900 *b																			40
45	62.5	180.9	83,800 *	69.5	184.0	89,100 *b																45
50	58.4	178.0	76,300 *	65.6	182.0	80,400 *b																50
55	54.1	174.7	67,100 *	61.6	179.5	72,000 *	65.9	181.3	72,300 b													55
60	49.5	170.8	59,600 *	57.5	176.6	65,100 *	61.9	178.8	64,800													60
65	44.7	166.1	53,500 *	53.1	173.1	59,300 *	57.7	175.9	58,600													65
70	39.3	160.6	48,300 *	48.5	169.0	54,300 *	53.4	172.5	53,500	60.8	176.1	50,600										70
75	33.2	153.8	43,900 *	43.5	164.2	50,100 *	48.8	168.4	49,100	56.6	173.1	46,400										75
80	26.0	145.0	40,000 *	38.0	158.4	46,400 *	43.8	163.7	45,300	52.2	169.5	42,800										80
85	16.0	131.9	35,100 *	31.8	151.2	43,200 *	38.4	157.9	42,000	47.5	165.3	39,700	55.3	169.3	37,400							85
90				24.1	141.8	39,400 *	32.2	150.9	39,100	42.5	160.3	36,900	50.8	165.5	34,800							90
95				12.8	126.9	35,100 *	24.6	141.6	36,500	36.9	154.2	34,500	46.1	161.1	32,500							95
100							13.7	127.3	34,100	30.4	146.7	32,300	40.9	155.8	30,400	49.2	160.5	28,600				100
105										22.3	136.6	30,300	35.0	149.4	28,600	44.3	155.8	26,900				105
110										9.0	118.8	28,500	28.2	141.3	26,900	38.9	150.2	25,300	47.1	154.4	23,700	110
115													19.3	129.9	25,400	32.7	143.2	23,800	42.0	149.3	22,300	115
120																25.4	134.2	22,500	36.4	143.2	21,100	120
125																15.0	120.6	21,300	29.8	135.5	20,000	125
130																			21.6	125.1	18,900	130
135																			7.0	105.5	17,800	135

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**100 Ft. Boom, 90 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	72.6	195.8	81,000 *b																			35
40	69.2	194.1	77,700 *b																			40
45	65.8	192.0	74,200 *																			45
50	62.2	189.5	71,200 *	68.5	192.8	77,600 *																50
55	58.6	186.7	67,600 *	65.0	190.7	72,100 *																55
60	54.8	183.4	60,100 *	61.5	188.2	65,100 *	65.2	190.0	64,600													60
65	50.8	179.6	53,900 *	57.8	185.2	59,200 *	61.7	187.5	58,400													65
70	46.5	175.2	48,700 *	53.9	181.8	54,200 *	58.0	184.6	53,200													70
75	42.0	170.1	44,300 *	49.9	177.9	50,000 *	54.1	181.2	48,800	60.7	184.7	46,100										75
80	37.0	164.0	40,500 *	45.6	173.4	46,300 *	50.1	177.3	45,100	57.0	181.7	42,600										80
85	31.3	156.6	37,200 *	40.9	168.1	43,000 *	45.8	172.8	41,800	53.1	178.2	39,400										85
90	24.5	147.2	34,200 *	35.8	161.7	39,900 *	41.2	167.6	38,900	49.0	174.2	36,700	55.9	178.0	34,500							90
95	15.1	133.3	30,200 *	29.9	154.0	36,600 *	36.1	161.3	36,300	44.7	169.5	34,300	51.9	174.3	32,300							95
100				22.7	143.9	33,700 *	30.3	153.7	34,000	39.9	164.0	32,100	47.8	170.1	30,200							100
105				12.1	128.0	30,200 *	23.2	143.7	32,000	34.7	157.5	30,200	43.3	165.2	28,400	50.5	169.4	26,600				105
110							13.0	128.4	30,100	28.6	149.3	28,400	38.4	159.4	26,700	46.2	164.9	25,000				110
115										21.0	138.5	26,800	33.0	152.4	25,200	41.6	159.7	23,600				115
120										8.5	119.6	25,300	26.5	143.7	23,800	36.6	153.6	22,300	44.3	158.6	20,800	120
125													18.2	131.5	22,500	30.8	146.1	21,100	39.5	153.1	19,700	125
130																23.9	136.4	20,000	34.2	146.4	18,700	130
135																14.1	121.9	18,900	28.1	138.1	17,700	135
140																			20.3	127.0	16,800	140
145																			6.6	106.1	15,900	145



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

100 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	74.4	206.2	74,500 *b																			35
40	71.4	204.7	71,900 *																			40
45	68.3	202.8	69,200 *																			45
50	65.2	200.7	66,100 *	70.7	203.5	71,700 *																50
55	62.0	198.2	63,300 *	67.7	201.6	69,100 *																55
60	58.7	195.4	60,000 *	64.5	199.4	64,600 *	67.8	200.9	64,200													60
65	55.3	192.1	53,800 *	61.3	196.8	58,700 *	64.7	198.7	58,100													65
70	51.8	188.4	48,600 *	58.0	193.9	53,700 *	61.5	196.1	52,900													70
75	48.0	184.2	44,200 *	54.5	190.6	49,500 *	58.2	193.2	48,500													75
80	44.0	179.4	40,500 *	50.9	186.8	45,800 *	54.8	189.9	44,700	60.7	193.4	42,200										80
85	39.7	173.8	37,200 *	47.2	182.4	42,500 *	51.2	186.2	41,400	57.3	190.4	39,100										85
90	35.0	167.3	34,200 *	43.1	177.4	39,700 *	47.4	181.9	38,600	53.8	187.0	36,300										90
95	29.7	159.4	31,600 *	38.7	171.7	36,600 *	43.4	176.9	36,000	50.2	183.1	33,900	56.3	186.6	31,800							95
100	23.2	149.3	29,300 *	33.9	164.9	33,800 *	39.0	171.2	33,700	46.4	178.6	31,800	52.8	183.1	29,800							100
105	14.3	134.6	26,000 *	28.4	156.6	31,200 *	34.2	164.5	31,700	42.3	173.5	29,800	49.1	179.0	28,000							105
110				21.6	145.9	28,900 *	28.7	156.3	29,800	37.8	167.5	28,100	45.2	174.4	26,300	51.5	178.2	24,600				110
115				11.5	129.0	26,100 *	22.0	145.7	28,100	32.9	160.5	26,500	41.0	169.0	24,800	47.7	173.9	23,200				115
120							12.3	129.5	26,600	27.1	151.8	25,000	36.4	162.8	23,500	43.7	169.1	21,900				120
125										19.9	140.3	23,700	31.2	155.3	22,200	39.4	163.4	20,700	46.0	167.8	19,300	125
130										8.1	120.3	22,400	25.2	146.0	21,000	34.6	156.8	19,600	41.9	162.6	18,300	130
135													17.2	133.1	19,900	29.2	148.8	18,600	37.4	156.5	17,300	135
140																22.6	138.5	17,700	32.4	149.4	16,400	140
145																13.4	123.1	16,800	26.6	140.6	15,600	145
150																			19.3	128.7	14,800	150
155																			6.2	106.6	14,100	155



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

100 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	75.8	216.6	68,800 *b																			35
40	73.1	215.2	66,500 *																			40
45	70.4	213.5	64,000 *																			45
50	67.6	211.6	61,500 *																			50
55	64.8	209.4	59,000 *	69.8	212.3	63,700 *																55
60	61.8	206.9	56,700 *	67.0	210.4	61,400 *																60
65	58.8	204.0	53,900 *	64.1	208.1	58,600 *	67.2	209.6	58,000													65
70	55.8	200.8	48,700 *	61.2	205.5	53,600 *	64.3	207.4	52,800													70
75	52.5	197.2	44,400 *	58.2	202.6	49,400 *	61.4	204.8	48,400													75
80	49.2	193.1	40,600 *	55.1	199.3	45,700 *	58.4	201.9	44,700													80
85	45.6	188.5	37,300 *	51.8	195.6	42,400 *	55.2	198.6	41,400	60.6	202.1	39,000										85
90	41.9	183.3	34,500 *	48.4	191.4	39,600 *	52.0	195.0	38,500	57.6	199.1	36,300										90
95	37.8	177.3	31,900 *	44.8	186.7	36,800 *	48.6	190.8	36,000	54.4	195.7	33,800										95
100	33.3	170.3	29,600 *	41.0	181.3	34,000 *	45.1	186.1	33,700	51.1	191.9	31,700	56.6	195.3	29,700							100
105	28.2	161.9	27,500 *	36.9	175.1	31,500 *	41.2	180.8	31,700	47.7	187.6	29,800	53.4	191.8	27,900							105
110	22.1	151.3	25,600 *	32.3	167.8	29,300 *	37.1	174.6	29,800	44.1	182.8	28,000	50.1	187.9	26,300							110
115	13.6	135.8	22,800 *	27.0	159.1	27,200 *	32.6	167.5	28,100	40.2	177.3	26,400	46.6	183.5	24,800	52.3	187.0	23,100				115
120				20.5	147.7	25,300 *	27.3	158.8	26,600	36.0	170.9	25,000	43.0	178.4	23,400	48.9	182.9	21,800				120
125				10.9	130.0	23,000 *	21.0	147.6	25,200	31.3	163.4	23,700	39.0	172.7	22,200	45.4	178.2	20,700				125
130							11.7	130.6	23,600 *	25.8	154.2	22,500	34.6	166.0	21,000	41.6	173.0	19,600	47.4	176.8	18,200	130
135										19.0	142.1	21,300	29.7	158.0	19,900	37.5	166.9	18,600	43.8	171.9	17,300	135
140										7.7	121.0	20,200	24.0	148.2	19,000	33.0	159.8	17,700	39.9	166.3	16,400	140
145													16.4	134.6	18,000	27.8	151.3	16,800	35.6	159.8	15,600	145
150																21.6	140.4	16,000	30.9	152.2	14,800	150
155																12.7	124.2	15,200	25.4	142.9	14,100	155
160																			18.3	130.4	13,400	160
165																			5.9	107.2	12,800	165



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

100 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.6	225.6	61,300 *																			40
45	72.1	224.1	59,200 *																			45
50	69.6	222.3	56,800 *																			50
55	67.0	220.4	54,500 *																			55
60	64.4	218.1	52,200 *	69.0	221.1	56,500 *																60
65	61.7	215.5	50,100 *	66.4	219.1	54,300 *																65
70	58.9	212.7	48,100 *	63.8	216.8	52,300 *	66.6	218.4	52,500													70
75	56.1	209.5	44,200 *	61.1	214.2	48,900 *	63.9	216.1	48,100													75
80	53.2	206.0	40,400 *	58.3	211.2	45,200 *	61.3	213.5	44,300													80
85	50.1	202.0	37,200 *	55.5	208.0	42,000 *	58.5	210.6	41,100													85
90	47.0	197.6	34,300 *	52.5	204.3	39,100 *	55.6	207.3	38,200	60.5	210.7	35,900										90
95	43.6	192.6	31,700 *	49.5	200.3	36,500 *	52.7	203.7	35,600	57.8	207.7	33,500										95
100	40.0	187.1	29,500 *	46.2	195.8	33,800 *	49.6	199.7	33,400	54.9	204.4	31,300										100
105	36.1	180.7	27,400 *	42.8	190.7	31,400 *	46.4	195.2	31,300	51.9	200.7	29,400	56.9	204.0	27,500							105
110	31.9	173.3	25,600 *	39.2	184.9	29,100 *	43.0	190.2	29,500	48.8	196.6	27,700	54.0	200.6	25,900							110
115	27.0	164.4	23,900 *	35.2	178.4	27,100 *	39.4	184.5	27,800	45.6	191.9	26,100	51.0	196.7	24,400							115
120	21.2	153.2	22,300 *	30.9	170.7	25,300 *	35.5	177.9	26,300	42.1	186.7	24,700	47.9	192.5	23,000	53.0	195.7	21,400				120
125	13.0	137.0	19,900 *	25.8	161.4	23,600 *	31.1	170.3	24,900	38.4	180.8	23,400	44.6	187.7	21,800	49.9	191.8	20,300				125
130				19.7	149.5	22,000 *	26.2	161.2	23,700	34.4	174.0	22,100	41.0	182.3	20,700	46.7	187.3	19,200				130
135				10.5	130.9	20,100 *	20.1	149.5	22,200 *	29.9	166.1	21,000	37.3	176.1	19,600	43.3	182.3	18,200				135
140							11.2	131.6	20,600 *	24.7	156.4	20,000	33.1	169.0	18,600	39.7	176.7	17,300	45.3	181.1	16,000	140
145										18.2	143.7	19,000	28.4	160.6	17,700	35.8	170.2	16,400	41.8	175.8	15,200	145
150										7.4	121.7	18,100	22.9	150.2	16,900	31.5	162.7	15,600	38.1	169.8	14,400	150
155													15.7	136.0	16,100	26.6	153.7	14,900	34.1	163.0	13,700	155
160																20.6	142.3	14,200	29.5	154.9	13,100	160
165																12.2	125.3	13,500	24.3	145.1	12,500	165
170																			17.6	132.0	11,900	170
175																			5.7	107.7	11,300	175



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

100 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.8	235.9	49,900 *																			40
45	73.5	234.5	48,900 *																			45
50	71.2	233.0	48,000 *																			50
55	68.8	231.1	46,700 *																			55
60	66.5	229.1	44,800 *	70.7	231.8	47,900 *																60
65	64.0	226.8	43,000 *	68.3	229.9	46,400 *																65
70	61.6	224.2	41,200 *	65.9	227.8	44,600 *																70
75	59.0	221.4	39,500 *	63.5	225.4	42,900 *	66.1	227.1	44,400 *													75
80	56.4	218.2	37,900 *	61.0	222.8	41,100 *	63.6	224.8	42,800 *													80
85	53.7	214.7	36,400 *	58.5	219.9	39,500 *	61.2	222.1	40,800 *													85
90	50.9	210.9	34,400 *	55.8	216.7	37,900 *	58.6	219.2	37,900	63.0	222.1	35,600										90
95	48.0	206.6	31,800 *	53.1	213.1	36,400 *	56.0	216.0	35,400	60.5	219.4	33,200										95
100	45.0	201.8	29,600 *	50.3	209.2	34,000 *	53.3	212.5	33,100	57.9	216.4	31,100										100
105	41.8	196.6	27,500 *	47.4	204.8	31,500 *	50.5	208.6	31,100	55.3	213.1	29,200										105
110	38.4	190.6	25,600 *	44.3	199.9	29,200 *	47.6	204.2	29,300	52.6	209.5	27,400	57.2	212.7	25,600							110
115	34.7	183.9	23,900 *	41.1	194.5	27,200 *	44.5	199.4	27,600	49.7	205.5	25,900	54.5	209.3	24,100							115
120	30.6	176.1	22,400 *	37.6	188.4	25,400 *	41.3	194.0	26,100	46.8	201.0	24,400	51.7	205.5	22,800							120
125	25.9	166.8	20,900 *	33.8	181.5	23,700 *	37.8	188.0	24,700	43.7	196.0	23,100	48.9	201.4	21,500							125
130	20.3	155.1	19,600 *	29.6	173.4	22,200 *	34.1	181.1	23,500	40.4	190.5	21,900	45.9	196.8	20,400	50.7	200.6	18,900				130
135	12.5	138.1	17,500 *	24.8	163.6	20,700 *	29.9	173.0	22,300	36.9	184.2	20,800	42.7	191.7	19,400	47.8	196.3	17,900				135
140				18.9	151.2	19,400 *	25.1	163.4	20,900 *	33.0	177.1	19,800	39.4	185.9	18,400	44.8	191.5	17,000				140
145				10.0	131.8	17,700 *	19.3	151.2	19,500 *	28.7	168.7	18,800	35.7	179.4	17,500	41.5	186.2	16,200	46.5	190.1	14,900	145
150							10.8	132.6	18,200 *	23.7	158.6	17,900	31.8	171.9	16,600	38.1	180.2	15,400	43.4	185.1	14,200	150
155										17.5	145.3	17,100	27.3	163.1	15,900	34.4	173.4	14,600	40.1	179.5	13,500	155
160										7.1	122.3	16,300	22.0	152.2	15,100	30.3	165.5	14,000	36.6	173.2	12,800	160
165													15.1	137.3	14,400	25.5	156.0	13,300	32.7	166.0	12,200	165
170																19.8	144.1	12,700	28.4	157.5	11,600	170
175																11.7	126.4	12,100	23.3	147.2	11,100	175
180																			16.9	133.5	10,600	180



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

100 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.7	244.9	45,600 *																			45
50	72.6	243.5	44,800 *																			50
55	70.4	241.8	43,000 *																			55
60	68.2	239.9	41,200 *																			60
65	66.0	237.8	39,500 *	69.9	240.6	42,600 *																65
70	63.8	235.5	37,800 *	67.8	238.7	40,900 *																70
75	61.5	232.9	36,200 *	65.5	236.5	39,300 *	67.9	238.0	40,700 *													75
80	59.1	230.0	34,700 *	63.3	234.1	37,700 *	65.7	235.8	39,200 *													80
85	56.7	226.9	33,200 *	60.9	231.5	36,100 *	63.4	233.4	37,600 *													85
90	54.2	223.4	31,700 *	58.6	228.6	34,600 *	61.1	230.8	36,100 *													90
95	51.6	219.7	30,400 *	56.1	225.4	33,100 *	58.7	227.9	34,700 *	62.8	230.8	32,900										95
100	49.0	215.5	29,100 *	53.6	221.8	31,700 *	56.3	224.7	32,800	60.5	228.1	30,700										100
105	46.2	210.9	27,300 *	51.1	218.0	30,300 *	53.8	221.2	30,800	58.1	225.1	28,800										105
110	43.3	205.9	25,400 *	48.4	213.8	29,000 *	51.2	217.4	29,000	55.6	221.8	27,100										110
115	40.2	200.3	23,700 *	45.6	209.1	27,000 *	48.5	213.2	27,300	53.1	218.2	25,500	57.4	221.4	23,700							115
120	36.9	194.0	22,200 *	42.6	203.9	25,100 *	45.7	208.5	25,800	50.5	214.3	24,100	54.9	218.0	22,400							120
125	33.4	186.9	20,800 *	39.5	198.2	23,500 *	42.8	203.4	24,400	47.8	210.0	22,800	52.4	214.3	21,200							125
130	29.5	178.7	19,500 *	36.2	191.8	22,000 *	39.7	197.7	23,200	45.0	205.2	21,600	49.7	210.3	20,000							130
135	25.0	169.0	18,200 *	32.6	184.4	20,600 *	36.4	191.3	22,000	42.0	200.0	20,500	47.0	205.8	19,000	51.4	209.4	17,500				135
140	19.6	156.8	17,100 *	28.5	176.0	19,300 *	32.8	184.1	20,700 *	38.9	194.1	19,500	44.1	200.9	18,000	48.8	205.2	16,600				140
145	12.1	139.2	15,300 *	23.9	165.8	18,100 *	28.8	175.7	19,400 *	35.5	187.5	18,500	41.1	195.5	17,100	46.0	200.6	15,800				145
150				18.2	152.8	16,900 *	24.2	165.6	18,200 *	31.8	180.0	17,600	37.9	189.4	16,300	43.1	195.6	15,000	47.6	199.1	13,800	150
155				9.7	132.7	15,500 *	18.6	152.8	17,100 *	27.7	171.2	16,800	34.4	182.6	15,500	40.0	189.9	14,300	44.8	194.3	13,100	155
160							10.4	133.5	15,900 *	22.9	160.6	16,000	30.6	174.7	14,800	36.7	183.6	13,600	41.8	189.0	12,400	160
165										16.8	146.8	15,300	26.3	165.5	14,100	33.1	176.4	12,900	38.6	183.1	11,800	165
170										6.8	122.9	14,500	21.2	154.1	13,400	29.1	168.1	12,300	35.2	176.5	11,300	170
175													14.5	138.6	12,800	24.6	158.3	11,800	31.5	168.9	10,700	175
180																19.1	145.8	11,200	27.3	160.0	10,200	180
190																			16.2	134.9	9,300	190



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

100 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.8	255.3	42,600 *																			45
50	73.8	253.9	41,400 *																			50
55	71.8	252.4	39,800 *																			55
60	69.8	250.6	38,100 *																			60
65	67.7	248.7	36,500 *																			65
70	65.6	246.5	34,900 *	69.3	249.4	37,700 *																70
75	63.5	244.2	33,400 *	67.3	247.4	36,200 *																75
80	61.4	241.5	31,900 *	65.2	245.2	34,700 *	67.4	246.7	36,000 *													80
85	59.2	238.7	30,400 *	63.0	242.8	33,200 *	65.3	244.5	34,600 *													85
90	56.9	235.6	29,100 *	60.9	240.1	31,700 *	63.2	242.1	33,200 *													90
95	54.6	232.2	27,700 *	58.7	237.2	30,300 *	61.0	239.5	31,800 *													95
100	52.2	228.4	26,500 *	56.4	234.0	29,000 *	58.8	236.6	30,400 *	62.6	239.4	30,600										100
105	49.8	224.4	25,300 *	54.1	230.6	27,700 *	56.5	233.4	29,100 *	60.4	236.7	28,700										105
110	47.2	220.0	24,100 *	51.7	226.8	26,400 *	54.2	229.9	27,800 *	58.2	233.7	27,000										110
115	44.5	215.1	23,000 *	49.2	222.7	25,200 *	51.8	226.2	26,500 *	55.9	230.5	25,400										115
120	41.8	209.8	22,000 *	46.6	218.1	24,100 *	49.4	222.1	25,300 *	53.6	227.0	24,000	57.5	230.0	22,300							120
125	38.8	203.9	20,800 *	43.9	213.2	23,000 *	46.8	217.6	24,200 *	51.2	223.1	22,700	55.2	226.7	21,100							125
130	35.6	197.3	19,500 *	41.1	207.7	22,000 *	44.1	212.7	23,100	48.7	218.9	21,500	52.9	223.1	19,900							130
135	32.2	189.9	18,300 *	38.1	201.7	20,600 *	41.3	207.2	21,900	46.1	214.3	20,400	50.5	219.1	18,900							135
140	28.4	181.3	17,200 *	34.9	195.0	19,300 *	38.3	201.2	20,700 *	43.4	209.3	19,400	47.9	214.8	17,900	52.0	218.2	16,500				140
145	24.1	171.2	16,100 *	31.4	187.3	18,200 *	35.1	194.5	19,500 *	40.5	203.7	18,400	45.3	210.1	17,000	49.6	214.1	15,700				145
150	18.9	158.5	15,100 *	27.5	178.5	17,000 *	31.6	186.9	18,300 *	37.5	197.6	17,500	42.5	204.9	16,200	47.0	209.7	14,900				150
155	11.7	140.2	13,500 *	23.1	167.9	16,000 *	27.8	178.2	17,200 *	34.2	190.6	16,700	39.6	199.2	15,400	44.3	204.8	14,200				155
160				17.6	154.4	15,000 *	23.4	167.7	16,100 *	30.7	182.8	15,900	36.5	192.8	14,700	41.5	199.4	13,500	45.9	203.5	12,300	160
165				9.4	133.5	13,800 *	17.9	154.5	15,100 *	26.7	173.6	15,200	33.2	185.6	14,000	38.6	193.5	12,900	43.2	198.4	11,700	165
170							10.0	134.4	14,100 *	22.1	162.6	14,500	29.5	177.4	13,400	35.4	186.8	12,300	40.3	192.8	11,200	170
175										16.3	148.2	13,900	25.4	167.8	12,800	31.9	179.3	11,700	37.2	186.5	10,600	175
180										6.6	123.5	13,200	20.5	156.0	12,200	28.1	170.7	11,100	34.0	179.6	10,100	180
190																18.4	147.4	10,100	26.4	162.4	9,200	190
200																			15.7	136.3	8,300	200



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

100 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.8	264.3	38,100 *																			50
55	73.0	262.9	36,400 *																			55
60	71.1	261.2	34,900 *																			60
65	69.2	259.4	33,300 *																			65
70	67.2	257.4	31,800 *	70.7	260.1	34,400 *																70
75	65.3	255.2	30,400 *	68.7	258.2	33,000 *																75
80	63.3	252.8	28,900 *	66.8	256.2	31,500 *																80
85	61.3	250.2	27,500 *	64.8	253.9	30,100 *	66.9	255.5	31,400 *													85
90	59.2	247.3	26,200 *	62.9	251.5	28,700 *	65.0	253.2	30,100 *													90
95	57.1	244.2	24,900 *	60.8	248.8	27,400 *	63.0	250.8	28,700 *													95
100	54.9	240.9	23,700 *	58.7	245.9	26,100 *	60.9	248.1	27,400 *													100
105	52.7	237.2	22,500 *	56.6	242.7	24,800 *	58.9	245.2	26,100 *	62.4	248.1	28,000 *										105
110	50.4	233.2	21,400 *	54.5	239.3	23,600 *	56.8	242.1	24,900 *	60.4	245.4	26,600										110
115	48.1	228.9	20,300 *	52.2	235.6	22,400 *	54.6	238.7	23,600 *	58.3	242.4	25,100										115
120	45.6	224.3	19,300 *	49.9	231.5	21,300 *	52.4	235.0	22,500 *	56.2	239.2	23,600										120
125	43.1	219.1	18,300 *	47.5	227.2	20,200 *	50.1	230.9	21,400 *	54.0	235.7	22,300	57.7	238.7	20,700							125
130	40.4	213.5	17,400 *	45.1	222.4	19,200 *	47.7	226.6	20,300 *	51.8	231.9	21,100	55.5	235.4	19,600							130
135	37.5	207.3	16,500 *	42.5	217.2	18,200 *	45.2	221.8	19,300 *	49.5	227.8	20,000	53.3	231.8	18,500							135
140	34.5	200.5	15,700 *	39.8	211.4	17,300 *	42.6	216.6	18,300 *	47.1	223.4	19,000	51.1	228.0	17,600							140
145	31.2	192.7	14,900 *	36.9	205.1	16,400 *	39.9	210.9	17,400 *	44.6	218.5	18,100	48.7	223.7	16,700	52.5	227.0	15,300				145
150	27.5	183.8	14,200 *	33.8	198.0	15,600 *	37.0	204.6	16,500 *	41.9	213.2	17,200	46.3	219.2	15,900	50.3	223.0	14,500				150
155	23.3	173.3	13,600 *	30.4	190.1	14,800 *	34.0	197.6	15,700 *	39.2	207.3	16,400	43.8	214.2	15,100	47.9	218.7	13,800				155
160	18.3	160.1	13,000 *	26.6	180.9	14,100 *	30.6	189.7	14,900 *	36.3	200.9	15,600	41.1	208.7	14,400	45.4	213.9	13,100				160
165	11.3	141.2	11,700 *	22.3	169.9	13,500 *	26.9	180.6	14,200 *	33.1	193.7	14,900	38.3	202.7	13,700	42.9	208.8	12,500	46.9	212.5	11,400	165
170				17.0	155.9	12,900 *	22.6	169.8	13,500 *	29.7	185.5	14,200	35.3	196.0	13,000	40.2	203.1	11,900	44.4	207.6	10,800	170
175				9.1	134.3	12,000 *	17.4	156.0	12,900 *	25.8	176.0	13,600	32.1	188.5	12,400	37.3	196.9	11,300	41.7	202.3	10,300	175
180							9.7	135.2	12,300 *	21.4	164.5	13,000	28.6	180.0	11,900	34.2	190.0	10,800	39.0	196.4	9,800	180
190										6.4	124.0	11,800	19.8	157.7	10,800	27.2	173.1	9,800	32.9	182.6	8,800	190
200																17.9	149.0	8,900	25.5	164.7	8,000	200
210																15.2	137.7	7,200	15.2	137.7	7,200	210



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

100 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.7	274.7	34,300 *																			50
55	74.0	273.3	33,600 *																			55
60	72.2	271.8	32,200 *																			60
65	70.4	270.1	30,700 *																			65
70	68.6	268.2	29,300 *																			70
75	66.8	266.2	27,900 *	70.0	268.9	30,300 *																75
80	65.0	263.9	26,500 *	68.2	267.0	28,900 *																80
85	63.1	261.5	25,200 *	66.4	264.9	27,600 *																85
90	61.2	258.9	23,900 *	64.6	262.6	26,300 *	66.5	264.2	27,500 *													90
95	59.3	256.0	22,700 *	62.7	260.2	25,000 *	64.7	261.9	26,200 *													95
100	57.3	252.9	21,500 *	60.8	257.5	23,700 *	62.8	259.5	25,000 *													100
105	55.2	249.6	20,300 *	58.8	254.6	22,500 *	60.9	256.8	23,800 *													105
110	53.2	246.0	19,300 *	56.8	251.4	21,300 *	58.9	253.9	22,600 *	62.3	256.8	24,300 *										110
115	51.0	242.1	18,200 *	54.8	248.0	20,200 *	57.0	250.8	21,400 *	60.4	254.0	23,200 *										115
120	48.8	237.9	17,200 *	52.7	244.3	19,100 *	54.9	247.4	20,300 *	58.4	251.1	22,100 *										120
125	46.6	233.3	16,300 *	50.6	240.4	18,100 *	52.8	243.7	19,200 *	56.4	247.9	21,000 *										125
130	44.2	228.4	15,400 *	48.3	236.1	17,100 *	50.7	239.8	18,200 *	54.4	244.4	19,900 *	57.8	247.4	19,300							130
135	41.7	223.0	14,600 *	46.0	231.5	16,200 *	48.5	235.5	17,200 *	52.3	240.7	18,900 *	55.8	244.1	18,300							135
140	39.1	217.1	13,700 *	43.7	226.5	15,300 *	46.2	230.9	16,300 *	50.1	236.7	17,900 *	53.8	240.6	17,300							140
145	36.4	210.7	13,000 *	41.2	221.0	14,500 *	43.8	225.9	15,400 *	47.9	232.3	17,000 *	51.6	236.8	16,400							145
150	33.4	203.5	12,300 *	38.5	215.0	13,600 *	41.3	220.5	14,500 *	45.6	227.6	16,000 *	49.5	232.6	15,600	53.0	235.7	14,300				150
155	30.2	195.4	11,500 *	35.7	208.4	12,900 *	38.7	214.5	13,700 *	43.2	222.5	15,200 *	47.2	228.2	14,800	50.9	231.8	13,500				155
160	26.7	186.2	10,700 *	32.7	201.0	12,200 *	35.9	207.9	13,000 *	40.6	217.0	14,300 *	44.9	223.4	14,100	48.7	227.6	12,900				160
165	22.6	175.3	9,800 *	29.5	192.7	11,400 *	32.9	200.6	12,200 *	38.0	210.8	13,500 *	42.4	218.1	13,400	46.4	223.0	12,200				165
170	17.8	161.7	9,100 *	25.8	183.2	10,500 *	29.7	192.4	11,400 *	35.1	204.1	12,800 *	39.9	212.4	12,800	44.0	218.1	11,600	47.7	221.5	10,500	170
175	10.9	142.2	8,400 *	21.7	171.8	9,700 *	26.1	183.0	10,500 *	32.1	196.6	12,100 *	37.1	206.1	12,200	41.5	212.6	11,100	45.4	216.8	10,000	175
180				16.5	157.4	8,900 *	21.9	171.7	9,700 *	28.8	188.1	11,200 *	34.3	199.2	11,600	38.9	206.7	10,500	43.0	211.6	9,500	180
190							9.4	136.1	8,300 *	20.7	166.4	9,500 *	27.7	182.5	10,600	33.2	193.0	9,600	37.8	199.9	8,600	190
200										6.2	124.6	8,200 *	19.2	159.5	9,300 *	26.4	175.5	8,700	31.8	185.5	7,800	200
210																17.3	150.6	7,900	24.7	166.9	7,000	210
220																			14.7	139.0	6,300	220

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**110 Ft. Boom, 70 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	67.7	184.7	98,200 *b																			35
40	63.2	182.4	93,400 *b																			40
45	58.5	179.6	89,000 *	67.5	183.7	90,700 *b																45
50	53.6	176.2	77,000 *	63.0	181.4	83,300 *b																50
55	48.3	172.2	67,600 *	58.3	178.6	74,300	63.7	180.9	71,800 b													55
60	42.6	167.2	60,000 *	53.3	175.2	66,600	59.1	178.2	64,400													60
65	36.1	161.1	53,700 *	48.1	171.1	60,300	54.2	174.9	58,200													65
70	28.4	153.2	48,400 *	42.3	166.1	55,000	48.9	170.9	53,100	58.7	175.7	50,000										70
75	18.0	141.6	42,300 *	35.8	160.0	50,500	43.3	166.1	48,800	53.7	172.3	45,900										75
80				28.0	151.9	46,600	36.9	160.1	45,000	48.5	168.3	42,300	58.0	172.2	39,700							80
85				17.4	140.0	43,100	29.4	152.5	41,700	42.7	163.4	39,300	53.0	168.8	36,800							85
90							19.5	141.5	38,800	36.3	157.3	36,500	47.7	164.7	34,300							90
95										28.7	149.5	34,100	41.9	159.6	32,000	52.0	164.2	29,900				95
100										18.4	138.0	31,900	35.4	153.4	30,000	46.6	159.9	28,000				100
105													27.5	145.2	28,100	40.7	154.7	26,300				105
110													16.6	132.8	26,500	34.0	148.1	24,800	45.1	154.0	23,100	110
115																25.7	139.4	23,300	39.0	148.5	21,700	115
120																13.5	125.4	22,000	31.9	141.4	20,500	120
125																			23.1	131.8	19,400	125
130																			7.5	113.5	18,300	130



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

110 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	70.6	195.4	87,000 *b																			35
40	66.8	193.4	83,800 *b																			40
45	62.8	191.1	80,900 *	70.4	194.4	86,300 *b																45
50	58.7	188.3	77,700 *	66.6	192.4	81,000 *b																50
55	54.4	184.9	68,200 *	62.6	190.1	74,000	67.2	191.9	71,400 b													55
60	49.9	181.1	60,500 *	58.5	187.3	66,300	63.3	189.6	64,000													60
65	45.0	176.5	54,200 *	54.2	183.9	60,000	59.2	186.8	57,900													65
70	39.7	171.0	48,900 *	49.7	180.0	54,700	54.9	183.6	52,800	62.9	187.1	49,600										70
75	33.7	164.3	44,400 *	44.8	175.4	50,200	50.4	179.8	48,400	58.8	184.3	45,500										75
80	26.6	155.7	40,500 *	39.4	169.9	46,300	45.6	175.3	44,700	54.5	181.1	42,000										80
85	16.9	143.1	35,800 *	33.4	163.1	42,900	40.3	169.9	41,400	50.0	177.2	38,900										85
90				26.2	154.3	40,000	34.4	163.4	38,500	45.2	172.6	36,200	53.9	177.5	33,900							90
95				16.3	141.5	36,900 *	27.5	155.0	36,000	39.8	167.2	33,800	49.4	173.6	31,600							95
100							18.3	143.2	33,700	33.9	160.5	31,700	44.5	168.9	29,600							100
105										26.8	151.9	29,700	39.1	163.3	27,800	48.4	168.9	25,900				105
110										17.2	139.6	28,000	33.0	156.4	26,200	43.5	164.1	24,400				110
115													25.7	147.5	24,700	38.0	158.3	23,000	47.1	163.1	21,300	115
120													15.5	134.2	23,300	31.7	151.1	21,700	42.0	158.0	20,100	120
125																24.0	141.6	20,500	36.4	151.9	19,000	125
130																12.6	126.5	19,400	29.8	144.2	18,000	130
135																			21.6	133.8	17,100	135
140																			7.0	114.1	16,100	140



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

110 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	72.8	205.9	80,200 *b																			35
40	69.5	204.2	77,300 *b																			40
45	66.0	202.1	74,000 *																			45
50	62.5	199.7	70,900 *	69.3	203.2	77,900 *b																50
55	58.8	196.9	68,100 *	65.9	201.2	73,700																55
60	55.1	193.7	60,600 *	62.3	198.7	66,100	66.4	200.6	63,700													60
65	51.1	189.9	54,300 *	58.7	195.9	59,800	62.9	198.2	57,600													65
70	46.8	185.5	49,100 *	54.9	192.6	54,500	59.3	195.5	52,500													70
75	42.3	180.5	44,600 *	50.9	188.9	50,000	55.5	192.3	48,200	62.6	195.8	45,200										75
80	37.3	174.5	40,800 *	46.6	184.5	46,100	51.5	188.6	44,500	59.0	193.0	41,700										80
85	31.7	167.2	37,400 *	42.1	179.4	42,800	47.4	184.3	41,200	55.2	189.8	38,600										85
90	25.0	158.0	34,400 *	37.1	173.3	39,800	42.9	179.3	38,400	51.2	186.0	35,900										90
95	15.9	144.5	30,600 *	31.4	166.0	37,200	37.9	173.5	35,800	47.0	181.7	33,600	54.6	186.3	31,300							95
100				24.7	156.6	34,400 *	32.4	166.4	33,600	42.4	176.6	31,400	50.6	182.4	29,300							100
105				15.4	142.9	31,600 *	25.9	157.4	31,500	37.5	170.7	29,500	46.4	178.0	27,500							105
110							17.2	144.7	29,700	31.9	163.4	27,800	41.8	172.9	25,900	49.8	177.8	24,100				110
115										25.2	154.3	26,200	36.8	166.7	24,500	45.5	173.2	22,700				115
120										16.2	141.0	24,800	31.1	159.3	23,100	40.9	167.9	21,400				120
125													24.2	149.8	21,900	35.7	161.6	20,300	44.3	167.3	18,800	125
130													14.6	135.6	20,700	29.8	153.8	19,200	39.5	161.7	17,800	130
135																22.6	143.7	18,200	34.2	155.1	16,800	135
140																11.9	127.6	17,300	28.1	146.8	16,000	140
145																			20.3	135.7	15,200	145
150																			6.6	114.7	14,400	150



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

110 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	74.6	216.3	73,700 *b																			35
40	71.6	214.8	71,200 *b																			40
45	68.6	213.0	68,800 *																			45
50	65.4	210.8	65,900 *																			50
55	62.3	208.4	63,100 *	68.4	212.0	69,400 *																55
60	59.0	205.6	60,500 *	65.3	209.9	65,800																60
65	55.6	202.4	54,200 *	62.1	207.4	59,500	65.8	209.3	57,300													65
70	52.0	198.7	49,000 *	58.8	204.6	54,200	62.6	206.9	52,200													70
75	48.3	194.5	44,500 *	55.4	201.3	49,700	59.4	204.1	47,900													75
80	44.3	189.7	40,700 *	51.8	197.7	45,800	56.0	201.0	44,100	62.3	204.5	41,300										80
85	40.0	184.2	37,400 *	48.1	193.5	42,500	52.4	197.4	40,900	59.1	201.7	38,200										85
90	35.4	177.8	34,400 *	44.1	188.7	39,500	48.7	193.3	38,000	55.7	198.5	35,600										90
95	30.1	170.0	31,800 *	39.8	183.1	36,900	44.8	188.6	35,500	52.1	194.8	33,200										95
100	23.7	160.1	29,400 *	35.1	176.6	34,500 *	40.6	183.1	33,300	48.4	190.7	31,100	55.2	195.0	28,900							100
105	15.1	145.9	26,400 *	29.8	168.7	31,800 *	35.9	176.8	31,200	44.4	185.9	29,200	51.6	191.3	27,100							105
110				23.4	158.7	29,500 *	30.7	169.2	29,400	40.2	180.4	27,500	47.9	187.0	25,500							110
115				14.6	144.2	27,200 *	24.5	159.6	27,700	35.5	174.0	25,900	43.9	182.2	24,100	50.9	186.6	22,300				115
120							16.3	146.2	26,200	30.2	166.2	24,500	39.6	176.6	22,700	47.1	182.3	21,000				120
125										23.9	156.4	23,200	34.8	170.0	21,500	43.1	177.3	19,900				125
130										15.4	142.4	21,900	29.4	162.0	20,400	38.7	171.5	18,800	46.0	176.4	17,300	130
135													22.9	151.8	19,300	33.8	164.7	17,900	41.9	171.2	16,400	135
140													13.9	136.8	18,300	28.3	156.4	17,000	37.4	165.2	15,600	140
145																21.5	145.6	16,100	32.4	158.0	14,800	145
150																11.3	128.6	15,300	26.6	149.2	14,100	150
155																			19.3	137.4	13,400	155
160																			6.2	115.3	12,700	160



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

110 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	76.0	226.6	67,900 *b																			35
40	73.3	225.3	65,800 *																			40
45	70.6	223.6	63,600 *																			45
50	67.8	221.7	61,100 *																			50
55	65.0	219.6	58,800 *	70.5	222.7	63,800 *																55
60	62.1	217.1	56,500 *	67.7	220.8	61,600 *																60
65	59.1	214.2	54,200 *	64.8	218.6	59,400																65
70	56.0	211.1	49,100 *	61.9	216.1	54,100	65.3	218.0	52,100													70
75	52.8	207.5	44,700 *	58.9	213.2	49,600	62.4	215.6	47,800													75
80	49.4	203.4	40,900 *	55.8	210.0	45,800	59.4	212.8	44,100													80
85	45.9	198.9	37,600 *	52.6	206.4	42,400	56.3	209.7	40,800	62.1	213.1	38,200										85
90	42.1	193.7	34,700 *	49.3	202.4	39,500	53.1	206.1	38,000	59.1	210.3	35,500										90
95	38.1	187.8	32,100 *	45.7	197.8	36,900	49.8	202.2	35,500	56.1	207.2	33,100										95
100	33.7	180.9	29,800 *	42.0	192.6	34,600	46.3	197.7	33,200	52.9	203.6	31,000										100
105	28.6	172.6	27,700 *	37.9	186.6	32,100 *	42.6	192.6	31,200	49.5	199.6	29,100	55.6	203.7	27,100							105
110	22.6	162.2	25,700 *	33.4	179.7	29,800 *	38.6	186.7	29,400	46.0	195.0	27,400	52.4	200.0	25,500							110
115	14.4	147.2	23,100 *	28.4	171.3	27,700 *	34.2	179.9	27,700	42.3	189.9	25,900	49.1	196.0	24,000							115
120				22.3	160.7	25,800 *	29.3	171.9	26,200	38.2	184.0	24,400	45.5	191.3	22,700	51.8	195.4	21,000				120
125				13.9	145.4	23,900 *	23.4	161.7	24,800	33.8	177.1	23,200	41.7	186.1	21,500	48.4	191.3	19,800				125
130							15.5	147.6	23,600	28.8	168.8	22,000	37.7	180.1	20,400	44.8	186.5	18,800				130
135										22.8	158.5	20,800	33.2	173.0	19,300	41.0	181.1	17,800	47.4	185.4	16,400	135
140										14.7	143.7	19,800	28.0	164.6	18,400	36.8	174.9	16,900	43.8	180.5	15,500	140
145													21.9	153.8	17,500	32.2	167.7	16,100	39.9	175.0	14,700	145
150													13.2	138.0	16,600	26.9	158.9	15,300	35.6	168.5	14,000	150
155																20.5	147.5	14,600	30.9	160.9	13,300	155
160																10.8	129.6	13,900	25.4	151.5	12,700	160
165																			18.3	139.1	12,100	165
170																			5.9	115.8	11,500	170



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

110 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.8	235.7	60,600 *																			40
45	72.3	234.2	58,700 *																			45
50	69.7	232.5	56,500 *																			50
55	67.2	230.5	54,200 *																			55
60	64.6	228.3	52,100 *	69.6	231.5	56,600 *																60
65	61.9	225.7	50,000 *	67.1	229.5	54,500 *																65
70	59.1	222.9	48,000 *	64.4	227.3	52,500 *	67.5	229.0	51,700													70
75	56.3	219.7	44,500 *	61.8	224.7	49,300	64.9	226.7	47,400													75
80	53.4	216.2	40,700 *	59.0	221.9	45,500	62.2	224.3	43,700													80
85	50.4	212.3	37,400 *	56.2	218.7	42,100	59.5	221.5	40,500													85
90	47.2	207.9	34,500 *	53.3	215.2	39,200	56.6	218.3	37,600	62.0	221.8	35,100										90
95	43.8	203.0	31,900 *	50.2	211.2	36,600	53.7	214.9	35,100	59.2	219.0	32,800										95
100	40.3	197.5	29,600 *	47.0	206.8	34,300	50.7	211.0	32,900	56.4	215.8	30,600										100
105	36.4	191.1	27,600 *	43.7	201.9	31,900 *	47.6	206.7	30,900	53.5	212.3	28,800										105
110	32.2	183.8	25,700 *	40.1	196.3	29,700 *	44.2	201.8	29,100	50.4	208.4	27,100	56.0	212.4	25,100							110
115	27.4	175.1	24,000 *	36.2	190.0	27,600 *	40.7	196.4	27,400	47.3	204.1	25,500	53.1	208.8	23,600							115
120	21.6	164.1	22,400 *	32.0	182.6	25,700 *	36.9	190.1	25,900	43.9	199.2	24,100	50.0	204.8	22,300							120
125	13.8	148.4	20,200 *	27.1	173.8	24,000 *	32.7	183.0	24,600	40.4	193.6	22,800	46.8	200.4	21,100	52.5	204.2	19,400				125
130				21.3	162.7	22,400 *	28.0	174.4	23,300	36.5	187.3	21,600	43.5	195.4	20,000	49.4	200.2	18,400				130
135				13.3	146.6	20,900 *	22.4	163.8	22,100	32.3	180.0	20,500	39.9	189.8	19,000	46.2	195.6	17,400				135
140							14.9	148.9	21,000	27.5	171.4	19,500	36.0	183.4	18,000	42.8	190.5	16,500				140
145										21.8	160.5	18,600	31.7	175.9	17,100	39.1	184.8	15,700	45.3	189.7	14,300	145
150										14.0	145.0	17,700	26.8	167.0	16,300	35.2	178.2	14,900	41.8	184.5	13,600	150
155													20.9	155.7	15,500	30.8	170.5	14,200	38.1	178.5	12,900	155
160													12.6	139.1	14,800	25.8	161.2	13,500	34.1	171.6	12,300	160
165																19.6	149.2	12,900	29.5	163.6	11,700	165
170																10.3	130.5	12,300	24.3	153.7	11,200	170
175																			17.6	140.6	10,600	175
180																			5.7	116.3	10,100	180

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**110 Ft. Boom, 130 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	76.0	246.0	49,200 *																			40
45	73.7	244.6	48,200 *																			45
50	71.4	243.1	47,400 *																			50
55	69.0	241.3	46,500 *																			55
60	66.6	239.2	44,700 *																			60
65	64.2	236.9	42,900 *	68.9	240.3	46,500 *																65
70	61.7	234.4	41,200 *	66.5	238.3	44,800 *																70
75	59.2	231.6	39,500 *	64.1	236.0	43,100 *	66.9	237.7	44,800 *													75
80	56.6	228.4	37,900 *	61.6	233.4	41,500 *	64.5	235.4	43,200 *													80
85	53.9	225.0	36,400 *	59.1	230.6	39,800 *	62.0	232.9	40,200 *													85
90	51.1	221.1	34,600 *	56.5	227.4	38,300 *	59.5	230.1	37,400 *													90
95	48.3	216.9	32,000 *	53.8	223.9	36,300 *	56.9	227.0	34,900 *	61.8	230.5	32,500 *										95
100	45.2	212.2	29,700 *	51.0	220.1	34,000 *	54.2	223.6	32,700 *	59.3	227.7	30,400 *										100
105	42.0	206.9	27,600 *	48.1	215.8	32,000 *	51.5	219.8	30,700 *	56.7	224.5	28,500 *										105
110	38.6	201.0	25,800 *	45.1	211.1	29,700 *	48.6	215.6	28,800 *	54.0	221.1	26,800 *										110
115	34.9	194.4	24,100 *	41.9	205.8	27,700 *	45.6	211.0	27,200 *	51.2	217.2	25,300 *	56.3	221.0	23,300 *							115
120	30.9	186.6	22,500 *	38.5	199.9	25,800 *	42.4	205.8	25,700 *	48.3	213.0	23,900 *	53.6	217.5	22,000 *							120
125	26.3	177.5	21,000 *	34.8	193.2	24,100 *	39.0	200.0	24,300 *	45.3	208.3	22,600 *	50.8	213.7	20,800 *							125
130	20.8	166.0	19,700 *	30.7	185.4	22,500 *	35.4	193.4	23,100 *	42.1	203.1	21,400 *	47.9	209.4	19,700 *							130
135	13.2	149.6	17,700 *	26.1	176.1	21,100 *	31.4	185.8	21,900 *	38.7	197.2	20,300 *	44.9	204.6	18,700 *	50.3	209.0	17,100 *				135
140				20.5	164.5	19,700 *	26.9	176.8	20,800 *	35.1	190.6	19,300 *	41.7	199.3	17,800 *	47.4	204.7	16,300 *				140
145				12.8	147.8	18,400 *	21.5	165.7	19,800 *	31.0	182.9	18,400 *	38.2	193.3	16,900 *	44.3	199.8	15,400 *				145
150							14.3	150.2	18,700 *	26.4	173.8	17,500 *	34.5	186.6	16,100 *	41.0	194.4	14,700 *	46.5	198.8	13,300 *	150
155										20.9	162.4	16,700 *	30.4	178.7	15,300 *	37.6	188.3	14,000 *	43.4	193.8	12,700 *	155
160										13.5	146.2	15,900 *	25.7	169.3	14,600 *	33.8	181.3	13,300 *	40.1	188.2	12,100 *	160
165													20.1	157.5	13,900 *	29.6	173.2	12,700 *	36.6	181.9	11,500 *	165
170													12.1	140.2	13,200 *	24.7	163.4	12,100 *	32.7	174.6	10,900 *	170
175																18.8	150.9	11,500 *	28.4	166.2	10,400 *	175
180																9.9	131.4	10,900 *	23.3	155.8	9,900 *	180
190																			5.5	116.8	8,900 *	190



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

110 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.9	255.0	45,000 *																			45
50	72.7	253.6	44,200 *																			50
55	70.6	251.9	42,800 *																			55
60	68.4	250.1	41,100 *																			60
65	66.2	248.0	39,400 *	70.5	251.0	42,700 *																65
70	63.9	245.6	37,800 *	68.3	249.1	41,100 *																70
75	61.6	243.1	36,200 *	66.1	247.0	39,600 *																75
80	59.3	240.2	34,700 *	63.8	244.7	38,000 *	66.4	246.4	39,500 *													80
85	56.9	237.1	33,200 *	61.5	242.1	36,400 *	64.2	244.1	38,100 *													85
90	54.4	233.7	31,800 *	59.2	239.2	34,900 *	61.9	241.6	36,600 *													90
95	51.8	229.9	30,400 *	56.7	236.1	33,500 *	59.5	238.8	34,600													95
100	49.2	225.8	29,100 *	54.3	232.7	32,100 *	57.1	235.7	32,300	61.7	239.1	30,000										100
105	46.4	221.3	27,400 *	51.7	228.9	30,700 *	54.7	232.3	30,300	59.3	236.3	28,100										105
110	43.5	216.3	25,600 *	49.0	224.7	29,400 *	52.1	228.6	28,500	56.9	233.2	26,400										110
115	40.4	210.7	23,900 *	46.3	220.2	27,400 *	49.5	224.5	26,900	54.4	229.8	24,900										115
120	37.2	204.5	22,300 *	43.4	215.2	25,600 *	46.7	220.0	25,400	51.9	226.0	23,500	56.6	229.7	21,600							120
125	33.6	197.4	20,900 *	40.3	209.6	23,900 *	43.8	215.1	24,000	49.2	221.9	22,200	54.1	226.3	20,400							125
130	29.7	189.3	19,600 *	37.0	203.3	22,300 *	40.8	209.6	22,800	46.5	217.4	21,000	51.5	222.5	19,300							130
135	25.3	179.8	18,300 *	33.5	196.2	20,900 *	37.6	203.5	21,600	43.6	212.4	20,000	48.9	218.3	18,300							135
140	20.0	167.8	17,200 *	29.6	188.1	19,600 *	34.1	196.5	20,600	40.5	206.9	19,000	46.1	213.7	17,400	51.0	217.9	15,900				140
145	12.7	150.8	15,500 *	25.1	178.4	18,400 *	30.2	188.6	19,600	37.3	200.7	18,000	43.2	208.7	16,500	48.3	213.6	15,000				145
150				19.7	166.3	17,200 *	25.9	179.2	18,600	33.7	193.7	17,200	40.1	203.0	15,700	45.5	208.9	14,300				150
155				12.3	148.9	16,100 *	20.7	167.6	17,500 *	29.9	185.6	16,300	36.8	196.7	14,900	42.6	203.8	13,600	47.6	207.8	12,300	155
160							13.8	151.4	16,300 *	25.4	176.1	15,600	33.2	189.6	14,200	39.5	198.0	12,900	44.8	203.0	11,700	160
165										20.2	164.2	14,900	29.3	181.4	13,600	36.1	191.6	12,300	41.8	197.7	11,100	165
170										13.0	147.4	14,200	24.8	171.6	12,900	32.5	184.3	11,700	38.6	191.8	10,500	170
175													19.3	159.3	12,300	28.5	175.8	11,200	35.2	185.1	10,000	175
180													11.7	141.3	11,800	23.8	165.6	10,600	31.5	177.5	9,500	180
190																9.5	132.2	9,600	22.4	157.8	8,600	190
200																			5.3	117.3	7,800	200



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

110 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.9	265.4	42,000 *																			45
50	73.9	264.0	41,200 *																			50
55	71.9	262.5	39,600 *																			55
60	69.9	260.8	38,000 *																			60
65	67.8	258.8	36,400 *																			65
70	65.8	256.7	34,800 *	69.8	259.8	37,900 *																70
75	63.7	254.3	33,300 *	67.8	257.9	36,400 *																75
80	61.5	251.7	31,900 *	65.7	255.7	34,900 *																80
85	59.3	248.9	30,500 *	63.6	253.3	33,500 *	66.0	255.2	35,000 *													85
90	57.1	245.8	29,100 *	61.4	250.7	32,100 *	63.9	252.8	33,600 *													90
95	54.8	242.4	27,800 *	59.2	247.9	30,700 *	61.8	250.3	32,200 *													95
100	52.4	238.7	26,500 *	57.0	244.8	29,300 *	59.6	247.4	30,900 *													100
105	49.9	234.7	25,300 *	54.6	241.4	28,000 *	57.3	244.4	29,600 *	61.6	247.8	28,000										105
110	47.4	230.3	24,200 *	52.3	237.7	26,700 *	55.0	241.0	28,300 *	59.4	245.0	26,300										110
115	44.7	225.5	23,100 *	49.8	233.6	25,500 *	52.7	237.4	26,800	57.1	241.9	24,800										115
120	42.0	220.2	22,100 *	47.3	229.2	24,400 *	50.2	233.4	25,300	54.8	238.5	23,400										120
125	39.0	214.3	20,900 *	44.6	224.4	23,300 *	47.7	229.0	23,900	52.4	234.8	22,100	56.8	238.4	20,300							125
130	35.9	207.8	19,600 *	41.8	219.1	22,200 *	45.0	224.3	22,700	50.0	230.8	20,900	54.5	235.0	19,200							130
135	32.5	200.4	18,400 *	38.9	213.2	20,900 *	42.3	219.0	21,500	47.5	226.4	19,900	52.1	231.3	18,200							135
140	28.7	192.0	17,300 *	35.7	206.6	19,600 *	39.4	213.2	20,500	44.8	221.6	18,900	49.7	227.2	17,300							140
145	24.4	182.0	16,200 *	32.3	199.2	18,400 *	36.2	206.8	19,500	42.0	216.3	17,900	47.1	222.8	16,400	51.7	226.7	14,900				145
150	19.3	169.5	15,200 *	28.5	190.7	17,300 *	32.9	199.5	18,600	39.1	210.5	17,100	44.4	217.9	15,600	49.2	222.5	14,200				150
155	12.3	151.8	13,700 *	24.2	180.6	16,300 *	29.2	191.2	17,500 *	36.0	204.0	16,300	41.6	212.5	14,900	46.6	218.0	13,500				155
160				19.0	168.0	15,300 *	25.0	181.4	16,500 *	32.6	196.6	15,500	38.7	206.6	14,100	43.9	213.1	12,800				160
165				11.9	149.9	14,300 *	20.0	169.4	15,500 *	28.8	188.2	14,800	35.5	200.0	13,500	41.1	207.6	12,200	45.9	212.1	11,000	165
170							13.3	152.6	14,500 *	24.6	178.3	14,100	32.1	192.5	12,900	38.1	201.6	11,600	43.2	207.0	10,400	170
175										19.5	165.9	13,500	28.3	183.9	12,300	34.9	194.8	11,100	40.3	201.4	9,900	175
180										12.5	148.5	12,900	23.9	173.7	11,700	31.4	187.1	10,600	37.2	195.2	9,400	180
190													11.3	142.3	10,700	23.0	167.7	9,600	30.4	180.3	8,500	190
200																9.2	133.0	8,700	21.7	159.8	7,700	200
210																			5.1	117.7	7,000	210

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**110 Ft. Boom, 160 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet	
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds		
50	74.9	274.4	37,900 *																			50	
55	73.1	273.0	36,300 *																			55	
60	71.2	271.4	34,800 *																			60	
65	69.3	269.6	33,300 *																			65	
70	67.4	267.6	31,800 *																			70	
75	65.4	265.4	30,300 *	69.2	268.6	33,200 *																75	
80	63.4	263.0	28,900 *	67.3	266.6	31,800 *																80	
85	61.4	260.4	27,600 *	65.3	264.4	30,400 *	67.6	266.0	31,700 *													85	
90	59.4	257.5	26,200 *	63.3	262.0	29,000 *	65.6	263.9	30,400 *													90	
95	57.2	254.5	25,000 *	61.3	259.4	27,700 *	63.7	261.5	29,200 *													95	
100	55.1	251.1	23,700 *	59.3	256.6	26,400 *	61.7	258.9	27,900 *													100	
105	52.9	247.5	22,600 *	57.2	253.5	25,100 *	59.6	256.1	26,600 *													105	
110	50.6	243.5	21,400 *	55.0	250.1	23,900 *	57.5	253.0	25,300 *	61.5	256.5	26,000										110	
115	48.2	239.2	20,400 *	52.8	246.4	22,700 *	55.3	249.7	24,100 *	59.4	253.6	24,400										115	
120	45.8	234.6	19,300 *	50.5	242.5	21,600 *	53.1	246.1	22,900 *	57.3	250.6	23,000										120	
125	43.2	229.5	18,400 *	48.1	238.2	20,500 *	50.9	242.2	21,800 *	55.2	247.2	21,800										125	
130	40.6	223.9	17,500 *	45.7	233.5	19,500 *	48.5	238.0	20,700 *	52.9	243.6	20,600	57.0	247.1	18,900							130	
135	37.7	217.8	16,600 *	43.1	228.4	18,500 *	46.1	233.4	19,700 *	50.7	239.7	19,500	54.9	243.7	17,800							135	
140	34.7	211.0	15,800 *	40.4	222.8	17,600 *	43.5	228.3	18,700 *	48.3	235.4	18,500	52.6	240.0	16,900							140	
145	31.4	203.3	15,000 *	37.6	216.6	16,700 *	40.9	222.8	17,800 *	45.9	230.7	17,600	50.4	236.1	16,100							145	
150	27.8	194.5	14,300 *	34.5	209.8	15,900 *	38.1	216.8	16,900 *	43.3	225.7	16,700	48.0	231.7	15,300	52.2	235.5	13,800				150	
155	23.7	184.1	13,600 *	31.2	202.0	15,100 *	35.1	210.0	16,000 *	40.6	220.1	15,900	45.5	227.0	14,500	49.9	231.4	13,100				155	
160	18.7	171.2	13,000 *	27.6	193.2	14,300 *	31.8	202.4	15,200 *	37.8	214.0	15,200	43.0	221.9	13,800	47.5	227.0	12,400				160	
165	11.9	152.9	11,900 *	23.4	182.7	13,700 *	28.2	193.8	14,500 *	34.8	207.2	14,500	40.3	216.3	13,100	45.0	222.2	11,800				165	
170				18.4	169.6	13,100 *	24.2	183.6	13,800 *	31.5	199.5	13,800	37.4	210.1	12,500	42.4	217.0	11,300	46.9	221.2	10,000	170	
175				11.5	150.9	12,400 *	19.3	171.1	13,200 *	27.9	190.7	13,200	34.4	203.2	11,900	39.7	211.3	10,700	44.4	216.3	9,500	175	
180							12.9	153.8	12,600 *	23.8	180.4	12,600	31.0	195.4	11,400	36.8	204.9	10,200	41.7	210.9	9,100	180	
190										12.1	149.6	11,500	23.2	175.8	10,400	30.4	189.9	9,300	36.0	198.5	8,200	190	
200													10.9	143.2	9,400	22.3	169.7	8,400	29.4	182.9	7,400	200	
210																8.9	133.8	7,600	21.0	161.7	6,700	210	
220																	4.9	118.2	6,000				220



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

110 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.9	284.7	33,800 *																			50
55	74.1	283.4	33,500 *																			55
60	72.3	281.9	32,000 *																			60
65	70.6	280.2	30,600 *																			65
70	68.8	278.4	29,200 *																			70
75	67.0	276.3	27,800 *	70.5	279.3	30,500 *																75
80	65.1	274.1	26,500 *	68.7	277.4	29,100 *																80
85	63.2	271.7	25,200 *	66.9	275.4	27,800 *																85
90	61.3	269.1	23,900 *	65.0	273.1	26,600 *	67.2	274.8	27,800 *													90
95	59.4	266.2	22,700 *	63.1	270.7	25,300 *	65.3	272.6	26,600 *													95
100	57.4	263.1	21,500 *	61.2	268.1	24,000 *	63.5	270.2	25,400 *													100
105	55.4	259.8	20,400 *	59.3	265.2	22,800 *	61.6	267.6	24,200 *													105
110	53.3	256.2	19,300 *	57.3	262.1	21,600 *	59.6	264.8	23,000 *													110
115	51.2	252.4	18,300 *	55.3	258.8	20,500 *	57.6	261.7	21,800 *	61.4	265.1	23,800 *										115
120	49.0	248.2	17,300 *	53.2	255.2	19,400 *	55.6	258.4	20,700 *	59.4	262.3	22,700 *										120
125	46.7	243.6	16,400 *	51.1	251.3	18,400 *	53.6	254.9	19,600 *	57.5	259.2	21,500										125
130	44.4	238.7	15,500 *	48.9	247.1	17,400 *	51.4	251.0	18,600 *	55.4	255.9	20,300										130
135	41.9	233.4	14,600 *	46.6	242.6	16,500 *	49.2	246.9	17,600 *	53.4	252.3	19,300	57.2	255.8	17,600							135
140	39.3	227.6	13,800 *	44.2	237.6	15,600 *	47.0	242.4	16,700 *	51.2	248.5	18,300	55.2	252.4	16,600							140
145	36.6	221.1	13,000 *	41.8	232.3	14,700 *	44.6	237.5	15,800 *	49.0	244.3	17,300	53.1	248.8	15,800							145
150	33.6	214.0	12,300 *	39.2	226.4	13,900 *	42.2	232.3	14,900 *	46.8	239.8	16,500	51.0	244.9	15,000							150
155	30.4	206.0	11,600 *	36.4	220.0	13,100 *	39.6	226.5	14,100 *	44.4	234.9	15,700	48.7	240.7	14,200	52.7	244.2	12,800				155
160	26.9	196.9	10,700 *	33.5	212.8	12,400 *	36.9	220.1	13,300 *	42.0	229.6	14,800 *	46.5	236.1	13,500	50.5	240.3	12,200				160
165	22.9	186.1	9,900 *	30.3	204.8	11,600 *	34.0	213.1	12,500 *	39.4	223.7	14,000 *	44.1	231.2	12,900	48.3	236.0	11,600				165
170	18.1	172.8	9,100 *	26.8	195.6	10,700 *	30.8	205.2	11,800 *	36.6	217.3	13,200 *	41.6	225.8	12,300	46.0	231.3	11,000				170
175	11.6	153.9	8,400 *	22.7	184.7	9,900 *	27.4	196.3	10,900 *	33.7	210.2	12,500 *	39.0	219.9	11,700	43.6	226.3	10,400	47.7	230.2	9,300	175
180				17.9	171.2	9,100 *	23.4	185.7	10,100 *	30.5	202.3	11,800 *	36.3	213.4	11,100	41.1	220.8	9,900	45.4	225.4	8,800	180
190							12.5	154.9	8,600 *	23.1	182.5	10,000 *	30.1	198.1	10,100	35.7	208.2	9,000	40.4	214.7	7,900	190
200										11.8	150.6	8,500 *	22.5	177.8	9,200	29.4	192.6	8,200	34.9	201.7	7,100	200
210													10.6	144.2	8,400	21.6	171.6	7,400	28.5	185.5	6,400	210
220																8.7	134.6	6,700	20.3	163.5	5,800	220
230																4.8	118.6	5,100	4.8	118.6	5,100	230

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Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

120 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	68.0	194.8	97,400 *b																			35
40	63.5	192.5	92,000 *b																			40
45	58.9	189.8	85,900 *	68.6	194.1	87,600 *b																45
50	53.9	186.5	77,800 *	64.1	191.9	81,400 *b																50
55	48.7	182.5	68,300 *	59.5	189.2	72,900 *	65.3	191.6	71,100 b													55
60	43.0	177.6	60,600 *	54.6	186.0	66,000 *	60.7	189.0	63,800 b													60
65	36.6	171.6	54,200 *	49.4	182.1	60,000	55.9	185.9	57,700													65
70	29.0	163.9	48,800 *	43.7	177.4	54,700	50.8	182.2	52,600	61.1	186.8	49,200 b										70
75	18.9	152.6	42,800 *	37.5	171.5	50,200	45.3	177.7	48,300	56.3	183.8	45,200										75
80				30.1	164.1	46,300	39.2	172.2	44,600	51.2	180.1	41,700										80
85				20.5	153.5	42,900	32.2	165.3	41,300	45.8	175.7	38,600	56.5	180.6	36,000							85
90							23.4	155.8	38,500	39.7	170.3	36,000	51.4	177.0	33,500							90
95							8.5	138.3	35,800	32.8	163.5	33,600	45.9	172.6	31,300							95
100										24.2	154.3	31,400	39.9	167.2	29,300	51.2	172.7	27,100				100
105										10.5	138.3	29,500	33.1	160.4	27,500	45.8	168.2	25,500				105
110													24.6	151.3	25,900	39.7	162.8	24,000				110
115													11.2	135.8	24,300	32.8	156.0	22,600	45.1	162.7	20,800	115
120																24.2	146.8	21,300	39.0	157.1	19,700	120
125																10.4	130.8	20,100	31.9	150.1	18,600	125
130																			23.1	140.5	17,600	130
135																			7.5	122.2	16,600	135



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

120 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	70.9	205.5	86,200 *b																			35
40	67.0	203.5	83,200 *b																			40
45	63.1	201.2	80,400 *																			45
50	59.0	198.5	77,200 *	67.5	202.9	78,400 *b																50
55	54.7	195.2	68,800 *	63.6	200.6	72,800 *																55
60	50.2	191.3	61,100 *	59.5	197.9	65,800 *	64.7	200.3	63,400													60
65	45.4	186.8	54,700 *	55.3	194.7	59,700	60.6	197.7	57,300													65
70	40.1	181.4	49,300 *	50.8	191.0	54,400	56.4	194.6	52,300													70
75	34.1	174.8	44,800 *	46.0	186.5	49,900	52.0	191.0	48,000	61.0	195.5	44,800										75
80	27.1	166.3	40,800 *	40.8	181.2	46,100	47.3	186.8	44,300	56.8	192.5	41,300										80
85	17.7	154.2	36,200 *	35.0	174.8	42,700	42.2	181.7	41,000	52.4	188.9	38,300										85
90				28.1	166.6	39,700	36.6	175.6	38,200	47.7	184.7	35,600	56.9	189.3	33,000							90
95				19.2	155.2	37,100	30.1	168.0	35,700	42.7	179.8	33,200	52.5	185.8	30,800							95
100							21.9	157.8	33,400	37.1	173.8	31,100	47.9	181.6	28,900							100
105							7.9	139.0	31,300	30.6	166.3	29,200	42.8	176.6	27,100	52.4	181.5	25,000				105
110										22.6	156.4	27,500	37.3	170.7	25,500	47.7	177.3	23,500				110
115										9.8	139.2	25,900	30.9	163.3	24,100	42.7	172.3	22,200				115
120													22.9	153.4	22,700	37.1	166.3	20,900	47.1	171.7	19,200	120
125													10.5	136.8	21,400	30.6	158.9	19,800	42.0	166.7	18,200	125
130																22.6	148.9	18,800	36.4	160.5	17,200	130
135																9.8	131.7	17,700	29.8	152.9	16,300	135
140																			21.6	142.5	15,400	140
145																			7.0	122.8	14,600	145

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**120 Ft. Boom, 90 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	73.1	216.0	79,300 *b																			35
40	69.7	214.3	76,700 *b																			40
45	66.3	212.3	73,700 *																			45
50	62.8	209.9	70,700 *	70.1	213.6	76,000 *b																50
55	59.1	207.1	68,000 *	66.7	211.6	71,900 *																55
60	55.3	203.9	61,100 *	63.2	209.3	65,400 *	67.6	211.2	63,100													60
65	51.4	200.2	54,800 *	59.6	206.6	59,400	64.2	209.0	57,100													65
70	47.1	195.9	49,500 *	55.8	203.4	54,200	60.6	206.3	52,000													70
75	42.6	190.8	45,000 *	51.9	199.8	49,700	56.8	203.3	47,700													75
80	37.7	184.9	41,100 *	47.7	195.5	45,900	52.9	199.8	44,000	60.9	204.2	41,000										80
85	32.1	177.8	37,700 *	43.2	190.6	42,500	48.8	195.7	40,800	57.1	201.2	38,000										85
90	25.5	168.7	34,600 *	38.4	184.8	39,600	44.5	191.0	38,000	53.3	197.7	35,300										90
95	16.7	155.7	30,900 *	32.9	177.8	37,000	39.7	185.5	35,500	49.2	193.7	33,000	57.3	198.0	30,600							95
100				26.5	169.1	34,600	34.4	178.8	33,200	44.8	189.0	30,900	53.4	194.5	28,600							100
105				18.1	156.9	32,300 *	28.3	170.6	31,200	40.1	183.5	29,000	49.3	190.5	26,900							105
110							20.6	159.6	29,400	34.9	177.0	27,300	45.0	185.9	25,300							110
115							7.5	139.7	27,700	28.8	169.0	25,800	40.3	180.4	23,800	49.2	186.2	21,900				115
120										21.3	158.3	24,400	35.1	174.0	22,500	44.8	181.5	20,700				120
125										9.2	140.0	23,000	29.1	166.0	21,300	40.1	176.1	19,600				125
130													21.6	155.4	20,200	34.9	169.6	18,500	44.3	175.9	16,900	130
135													9.9	137.7	19,100	28.8	161.5	17,600	39.5	170.4	16,000	135
140																21.3	150.8	16,700	34.2	163.7	15,200	140
145																9.2	132.5	15,800	28.1	155.4	14,500	145
150																			20.3	144.3	13,700	150
155																			6.6	123.4	13,000	155



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

120 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	74.8	226.4	72,800 *b																			35
40	71.8	224.9	70,500 *b																			40
45	68.8	223.1	68,200 *																			45
50	65.7	221.0	65,700 *																			50
55	62.5	218.6	63,000 *	69.2	222.4	69,100 *																55
60	59.2	215.8	60,500 *	66.1	220.4	64,900 *																60
65	55.8	212.6	54,700 *	62.9	218.0	59,000 *	66.9	219.9	56,700													65
70	52.3	209.0	49,400 *	59.6	215.2	53,900	63.7	217.6	51,700													70
75	48.5	204.8	44,900 *	56.2	212.1	49,400	60.5	215.0	47,400													75
80	44.6	200.1	41,000 *	52.7	208.5	45,600	57.2	212.0	43,700													80
85	40.4	194.6	37,700 *	49.0	204.5	42,200	53.7	208.5	40,500	60.8	212.8	37,600										85
90	35.7	188.2	34,700 *	45.1	199.8	39,300	50.0	204.6	37,600	57.4	209.8	34,900										90
95	30.4	180.6	32,000 *	40.9	194.5	36,700	46.2	200.1	35,200	54.0	206.4	32,600										95
100	24.2	170.9	29,600 *	36.3	188.2	34,400	42.1	195.0	32,900	50.3	202.5	30,500	57.5	206.6	28,200							100
105	15.8	157.2	26,600 *	31.2	180.7	32,300	37.6	189.0	30,900	46.5	198.1	28,700	54.1	203.2	26,400							105
110				25.1	171.4	30,100 *	32.6	181.8	29,100	42.4	193.0	27,000	50.5	199.4	24,900							110
115				17.1	158.4	27,800 *	26.8	173.1	27,500	38.0	187.1	25,400	46.6	195.0	23,400							115
120							19.5	161.4	25,900	33.0	180.1	24,000	42.5	189.9	22,100	50.3	195.1	20,300				120
125							7.1	140.3	24,500	27.3	171.5	22,700	38.1	184.0	20,900	46.5	190.6	19,200				125
130										20.2	160.1	21,600	33.2	177.0	19,800	42.4	185.5	18,100				130
135										8.8	140.8	20,400	27.5	168.5	18,800	38.0	179.6	17,200	46.0	185.1	15,600	135
140													20.5	157.3	17,900	33.0	172.6	16,300	41.9	179.9	14,800	140
145													9.3	138.5	16,900	27.3	164.0	15,500	37.4	173.9	14,000	145
150																20.2	152.7	14,700	32.4	166.7	13,300	150
155																8.7	133.3	14,000	26.6	157.9	12,700	155
160																			19.3	146.1	12,000	160
165																			6.2	124.0	11,400	165

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**120 Ft. Boom, 110 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	73.5	235.4	65,100 *																			40
45	70.8	233.8	63,100 *																			45
50	68.0	231.9	60,800 *																			50
55	65.2	229.7	58,500 *																			55
60	62.3	227.2	56,400 *	68.4	231.2	61,600 *																60
65	59.3	224.4	54,200 *	65.5	229.1	58,900 *																65
70	56.2	221.3	49,500 *	62.6	226.6	53,800	66.3	228.7	51,600													70
75	53.0	217.7	45,000 *	59.7	223.9	49,300	63.4	226.3	47,300													75
80	49.7	213.7	41,200 *	56.6	220.8	45,500	60.5	223.7	43,600													80
85	46.1	209.2	37,800 *	53.4	217.3	42,200	57.4	220.6	40,400													85
90	42.4	204.1	34,900 *	50.1	213.3	39,200	54.3	217.3	37,600	60.7	221.5	34,900										90
95	38.4	198.2	32,300 *	46.6	208.9	36,600	51.0	213.4	35,100	57.7	218.5	32,500										95
100	34.0	191.4	30,000 *	42.9	203.9	34,300	47.6	209.1	32,900	54.5	215.1	30,500										100
105	29.0	183.2	27,900 *	38.9	198.1	32,300	43.9	204.3	30,900	51.3	211.4	28,600	57.8	215.3	26,400							105
110	23.1	173.0	25,900 *	34.6	191.4	30,400 *	40.0	198.7	29,100	47.8	207.1	26,900	54.6	212.0	24,800							110
115	15.1	158.5	23,300 *	29.7	183.4	28,200 *	35.8	192.3	27,400	44.2	202.3	25,400	51.4	208.2	23,400							115
120				23.9	173.5	26,300 *	31.1	184.7	26,000	40.4	196.8	24,000	48.0	203.9	22,100							120
125				16.3	159.9	24,400 *	25.6	175.4	24,600	36.1	190.4	22,700	44.3	199.1	20,900	51.3	203.9	19,100				125
130							18.6	163.1	23,300	31.5	183.0	21,500	40.5	193.7	19,800	47.8	199.6	18,100				130
135							6.8	140.9	22,100	26.0	173.9	20,500	36.3	187.4	18,800	44.2	194.8	17,100				135
140										19.3	161.9	19,400	31.6	179.9	17,800	40.3	189.3	16,300	47.4	194.1	14,700	140
145										8.4	141.6	18,500	26.2	170.9	17,000	36.1	183.0	15,500	43.8	189.2	14,000	145
150													19.5	159.0	16,100	31.5	175.5	14,700	39.9	183.6	13,300	150
155													8.9	139.3	15,300	26.0	166.4	14,000	35.6	177.2	12,600	155
160																19.3	154.4	13,300	30.9	169.5	12,000	160
165																8.3	134.0	12,700	25.4	160.2	11,400	165
170																			18.3	147.7	10,900	170
175																			5.9	124.5	10,300	175



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

120 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.9	245.8	51,700 *																			40
45	72.4	244.3	50,700 *																			45
50	69.9	242.6	49,700 *																			50
55	67.4	240.6	48,800 *																			55
60	64.7	238.4	48,000 *	70.2	241.9	50,300 *																60
65	62.1	235.9	46,300 *	67.7	240.0	49,600 *																65
70	59.3	233.1	44,500 *	65.1	237.8	48,900 *																70
75	56.5	230.0	42,700 *	62.4	235.3	47,100 *	65.8	237.4	46,900													75
80	53.6	226.5	41,000 *	59.7	232.6	45,200	63.1	235.0	43,300													80
85	50.6	222.6	38,000 *	56.9	229.5	41,800	60.4	232.3	40,100													85
90	47.4	218.2	35,000 *	54.0	226.0	38,900	57.6	229.3	37,200													90
95	44.1	213.4	32,400 *	51.0	222.2	36,300	54.8	226.0	34,800	60.6	230.2	32,100										95
100	40.5	207.9	30,000 *	47.8	217.9	34,000	51.8	222.2	32,500	57.9	227.2	30,100										100
105	36.7	201.6	27,900 *	44.5	213.1	32,000	48.7	218.1	30,600	55.0	223.9	28,200										105
110	32.5	194.4	26,000 *	41.0	207.7	30,100	45.4	213.4	28,800	52.0	220.2	26,500	58.0	224.0	24,400							110
115	27.7	185.7	24,300 *	37.2	201.5	28,300 *	42.0	208.2	27,100	48.9	216.0	25,000	55.1	220.7	23,000							115
120	22.1	175.0	22,600 *	33.1	194.4	26,400 *	38.3	202.3	25,700	45.7	211.4	23,600	52.1	217.0	21,700							120
125	14.4	159.8	20,400 *	28.4	186.0	24,600 *	34.2	195.4	24,300	42.2	206.2	22,400	49.0	212.9	20,500							125
130				22.9	175.6	23,000 *	29.7	187.4	23,000	38.6	200.4	21,200	45.8	208.3	19,400	52.0	212.7	17,600				130
135				15.6	161.3	21,400 *	24.5	177.6	21,900	34.6	193.6	20,100	42.4	203.1	18,400	48.9	208.6	16,700				135
140							17.8	164.7	20,800	30.1	185.7	19,100	38.7	197.3	17,500	45.7	203.9	15,900				140
145							6.5	141.5	19,600 *	24.9	176.1	18,200	34.7	190.6	16,600	42.2	198.8	15,100				145
150										18.5	163.5	17,300	30.2	182.7	15,800	38.6	192.9	14,300	45.3	198.4	12,900	150
155										8.0	142.3	16,500	25.1	173.2	15,100	34.5	186.1	13,600	41.8	193.1	12,200	155
160													18.7	160.7	14,300	30.1	178.2	13,000	38.1	187.2	11,600	160
165													8.5	140.1	13,600	24.9	168.6	12,300	34.1	180.3	11,100	165
170																18.4	156.1	11,800	29.5	172.2	10,500	170
175																8.0	134.7	11,200	24.3	162.4	10,000	175
180																			17.6	149.3	9,500	180

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**120 Ft. Boom, 130 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	73.8	254.7	47,600 *																			45
50	71.5	253.2	46,700 *																			50
55	69.2	251.4	45,900 *																			55
60	66.8	249.4	44,600 *																			60
65	64.4	247.1	42,800 *	69.5	250.7	46,300 *																65
70	61.9	244.6	41,200 *	67.1	248.7	45,000 *																70
75	59.4	241.8	39,500 *	64.7	246.5	43,400 *	67.7	248.3	45,000 *													75
80	56.8	238.6	38,000 *	62.2	244.0	41,800 *	65.3	246.1	43,000													80
85	54.1	235.2	36,500 *	59.7	241.2	40,200 *	62.9	243.7	39,800													85
90	51.3	231.4	34,900 *	57.1	238.1	38,700	60.4	241.0	37,000													90
95	48.5	227.2	32,300 *	54.5	234.7	36,100	57.8	238.0	34,500													95
100	45.4	222.5	29,900 *	51.7	231.0	33,800	55.2	234.7	32,300	60.6	238.8	29,800										100
105	42.3	217.3	27,800 *	48.8	226.8	31,700	52.4	231.0	30,300	58.0	235.8	28,000										105
110	38.9	211.5	25,900 *	45.8	222.2	29,900	49.6	227.0	28,500	55.4	232.6	26,300										110
115	35.2	204.9	24,200 *	42.7	217.1	28,200	46.7	222.5	26,900	52.7	228.9	24,800										115
120	31.2	197.2	22,600 *	39.3	211.3	26,300 *	43.5	217.5	25,400	49.8	224.9	23,400	55.5	229.4	21,400							120
125	26.6	188.2	21,200 *	35.7	204.8	24,500 *	40.2	211.9	24,100	46.9	220.5	22,100	52.8	225.8	20,200							125
130	21.2	176.9	19,800 *	31.7	197.3	22,900 *	36.7	205.6	22,800	43.8	215.5	21,000	49.9	221.8	19,100							130
135	13.9	161.1	17,900 *	27.3	188.5	21,500 *	32.8	198.4	21,700	40.5	210.0	19,900	47.0	217.3	18,100	52.7	221.5	16,400				135
140				22.0	177.6	20,100 *	28.5	190.0	20,600	37.0	203.8	18,900	43.9	212.4	17,200	49.8	217.4	15,600				140
145				15.0	162.6	18,800 *	23.5	179.8	19,600	33.2	196.7	18,000	40.6	206.9	16,400	46.9	213.0	14,800				145
150							17.1	166.2	18,700	28.9	188.4	17,100	37.1	200.7	15,600	43.8	208.1	14,000				150
155							6.2	142.0	17,300 *	23.9	178.3	16,300	33.3	193.6	14,800	40.5	202.5	13,400	46.5	207.5	11,900	155
160										17.7	165.1	15,500	29.0	185.3	14,100	37.0	196.3	12,700	43.4	202.5	11,300	160
165										7.7	143.0	14,800	24.1	175.3	13,500	33.2	189.2	12,100	40.1	196.9	10,800	165
170													18.0	162.3	12,800	28.9	180.9	11,500	36.6	190.5	10,300	170
175													8.2	140.8	12,200	23.9	170.8	11,000	32.7	183.3	9,800	175
180																17.7	157.6	10,500	28.4	174.8	9,300	180
190																			16.9	150.8	8,400	190



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

120 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.0	265.1	44,400 *																			45
50	72.9	263.7	43,600 *																			50
55	70.7	262.0	42,600 *																			55
60	68.5	260.2	41,000 *																			60
65	66.3	258.1	39,400 *	71.0	261.3	42,800 *																65
70	64.1	255.8	37,800 *	68.8	259.5	41,300 *																70
75	61.8	253.2	36,200 *	66.6	257.5	39,800 *																75
80	59.4	250.4	34,700 *	64.4	255.2	38,300 *	67.2	257.0	39,800 *													80
85	57.0	247.3	33,200 *	62.1	252.7	36,800 *	65.0	254.8	38,500 *													85
90	54.5	243.9	31,900 *	59.7	249.9	35,300 *	62.7	252.4	36,600													90
95	52.0	240.2	30,500 *	57.3	246.8	33,800 *	60.4	249.6	34,200													95
100	49.3	236.1	29,300 *	54.9	243.5	32,500 *	58.0	246.7	32,000	62.9	250.2	29,400										100
105	46.6	231.6	27,600 *	52.3	239.8	31,100 *	55.5	243.4	30,000	60.6	247.5	27,600										105
110	43.7	226.6	25,700 *	49.7	235.7	29,600	53.0	239.8	28,200	58.2	244.5	25,900										110
115	40.7	221.1	24,000 *	47.0	231.3	27,900	50.4	235.8	26,600	55.7	241.3	24,400										115
120	37.4	214.9	22,500 *	44.1	226.4	26,100 *	47.7	231.5	25,100	53.2	237.7	23,000										120
125	33.9	208.0	21,000 *	41.1	220.9	24,300 *	44.9	226.7	23,700	50.6	233.8	21,800	55.8	238.1	19,800							125
130	30.0	199.9	19,700 *	37.8	214.8	22,800 *	41.9	221.4	22,500	47.9	229.5	20,600	53.3	234.5	18,700							130
135	25.6	190.5	18,500 *	34.4	208.0	21,300 *	38.7	215.5	21,400	45.1	224.7	19,500	50.7	230.6	17,800							135
140	20.4	178.7	17,300 *	30.5	200.1	20,000 *	35.3	208.9	20,300	42.1	219.5	18,600	48.0	226.3	16,800							140
145	13.4	162.3	15,600 *	26.2	190.9	18,700 *	31.6	201.3	19,300	39.0	213.6	17,600	45.2	221.6	16,000	50.6	226.3	14,400				145
150				21.2	179.5	17,500 *	27.5	192.5	18,400	35.6	207.1	16,800	42.2	216.4	15,200	47.9	222.0	13,600				150
155				14.5	163.9	16,400 *	22.6	181.8	17,500	31.9	199.6	16,000	39.1	210.5	14,500	45.1	217.2	13,000				155
160							16.5	167.7	16,700	27.8	190.9	15,200	35.7	204.0	13,800	42.1	212.0	12,300	47.6	216.5	10,900	160
165							6.0	142.6	15,100 *	23.0	180.4	14,500	32.0	196.5	13,100	39.0	206.2	11,700	44.8	211.7	10,400	165
170										17.1	166.7	13,900	27.9	187.9	12,500	35.6	199.6	11,200	41.8	206.4	9,900	170
175										7.4	143.6	13,200	23.2	177.4	11,900	31.9	192.1	10,600	38.6	200.4	9,400	175
180													17.3	163.9	11,400	27.8	183.4	10,100	35.2	193.8	8,900	180
190																17.1	159.2	9,200	27.3	177.3	8,000	190
200																			16.2	152.3	7,200	200



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

120 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	76.0	275.5	41,400 *																			45
50	74.1	274.1	40,700 *																			50
55	72.1	272.6	39,400 *																			55
60	70.0	270.9	37,900 *																			60
65	68.0	269.0	36,300 *																			65
70	65.9	266.8	34,800 *	70.3	270.2	38,000 *																70
75	63.8	264.5	33,300 *	68.3	268.3	36,600 *																75
80	61.7	261.9	31,900 *	66.2	266.2	35,200 *																80
85	59.5	259.1	30,500 *	64.1	263.9	33,800 *	66.7	265.8	35,200 *													85
90	57.2	256.0	29,200 *	61.9	261.3	32,400 *	64.6	263.5	34,000 *													90
95	54.9	252.6	27,900 *	59.7	258.5	31,000 *	62.5	261.0	32,700 *													95
100	52.6	249.0	26,600 *	57.5	255.5	29,600 *	60.3	258.3	31,300 *													100
105	50.1	245.0	25,500 *	55.2	252.2	28,400 *	58.1	255.3	29,900	62.7	258.8	27,500										105
110	47.6	240.6	24,300 *	52.9	248.5	27,100 *	55.8	252.1	28,100	60.5	256.1	25,800										110
115	44.9	235.8	23,200 *	50.4	244.6	25,900 *	53.5	248.5	26,500	58.3	253.2	24,300										115
120	42.2	230.5	22,200 *	47.9	240.3	24,700 *	51.1	244.7	25,000	56.0	249.9	22,900										120
125	39.2	224.7	21,000 *	45.3	235.5	23,600 *	48.6	240.4	23,600	53.7	246.4	21,700										125
130	36.1	218.3	19,700 *	42.5	230.3	22,600 *	46.0	235.8	22,400	51.3	242.6	20,500	56.1	246.8	18,600							130
135	32.7	211.0	18,500 *	39.6	224.6	21,300 *	43.3	230.8	21,300	48.8	238.4	19,400	53.8	243.2	17,600							135
140	29.0	202.6	17,400 *	36.5	218.2	20,000 *	40.4	225.2	20,200	46.2	233.8	18,500	51.4	239.4	16,700							140
145	24.8	192.7	16,300 *	33.2	211.0	18,800 *	37.4	219.0	19,200	43.5	228.8	17,500	48.9	235.2	15,900							145
150	19.7	180.5	15,300 *	29.5	202.8	17,600 *	34.1	212.0	18,300	40.6	223.2	16,700	46.3	230.7	15,100	51.3	235.1	13,500				150
155	12.9	163.4	13,800 *	25.3	193.2	16,500 *	30.5	204.1	17,500	37.6	217.1	15,900	43.6	225.7	14,400	48.8	230.9	12,900				155
160				20.4	181.3	15,500 *	26.5	194.9	16,700	34.4	210.2	15,200	40.7	220.1	13,700	46.2	226.3	12,200				160
165				14.0	165.2	14,500 *	21.8	183.8	15,800 *	30.8	202.4	14,500	37.7	214.0	13,000	43.5	221.3	11,600				165
170							15.9	169.1	14,900 *	26.8	193.3	13,800	34.5	207.1	12,400	40.6	215.8	11,100	45.9	220.8	9,700	170
175							5.8	143.1	13,400 *	22.3	182.4	13,200	30.9	199.4	11,800	37.6	209.6	10,500	43.2	215.7	9,300	175
180										16.5	168.1	12,600	27.0	190.3	11,300	34.4	202.7	10,000	40.3	210.1	8,800	180
190													16.7	165.4	10,300	26.8	185.8	9,100	34.0	196.9	8,000	190
200																16.5	160.6	8,300	26.4	179.7	7,200	200
210																			15.7	153.7	6,500	210



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

120 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.1	284.5	37,700 *																			50
55	73.2	283.1	36,100 *																			55
60	71.3	281.5	34,600 *																			60
65	69.4	279.7	33,200 *																			65
70	67.5	277.7	31,800 *																			70
75	65.6	275.5	30,300 *	69.7	279.0	33,300 *																75
80	63.6	273.2	29,000 *	67.8	277.1	32,000 *																80
85	61.6	270.6	27,600 *	65.8	274.9	30,700 *																85
90	59.5	267.7	26,300 *	63.8	272.6	29,300 *	66.3	274.5	30,800 *													90
95	57.4	264.7	25,100 *	61.8	270.0	28,000 *	64.4	272.2	29,500 *													95
100	55.2	261.3	23,800 *	59.8	267.2	26,700 *	62.4	269.7	28,300 *													100
105	53.0	257.7	22,700 *	57.7	264.2	25,500 *	60.3	267.0	27,000 *													105
110	50.8	253.8	21,600 *	55.5	260.9	24,300 *	58.2	264.0	25,800 *	62.5	267.5	25,400										110
115	48.4	249.6	20,500 *	53.3	257.3	23,100 *	56.1	260.8	24,600 *	60.5	264.8	23,900										115
120	46.0	244.9	19,500 *	51.1	253.4	21,900 *	53.9	257.3	23,400 *	58.4	261.8	22,600										120
125	43.4	239.9	18,500 *	48.7	249.2	20,800 *	51.7	253.5	22,300 *	56.3	258.6	21,300										125
130	40.8	234.3	17,600 *	46.3	244.6	19,800 *	49.3	249.3	21,200 *	54.1	255.2	20,200										130
135	37.9	228.2	16,700 *	43.8	239.6	18,800 *	46.9	244.9	20,200 *	51.9	251.4	19,100	56.3	255.4	17,300							135
140	34.9	221.5	15,900 *	41.1	234.1	17,900 *	44.4	240.0	19,200 *	49.5	247.3	18,100	54.2	252.0	16,400							140
145	31.6	213.8	15,100 *	38.3	228.1	17,000 *	41.8	234.6	18,200 *	47.1	242.8	17,200	51.9	248.2	15,500							145
150	28.0	205.1	14,400 *	35.3	221.4	16,100 *	39.1	228.8	17,300 *	44.6	238.0	16,400	49.6	244.1	14,700							150
155	24.0	194.9	13,700 *	32.1	213.9	15,300 *	36.1	222.3	16,400 *	42.0	232.7	15,600	47.2	239.7	14,000	51.8	243.9	12,500				155
160	19.1	182.2	13,100 *	28.5	205.4	14,600 *	33.0	215.0	15,600 *	39.3	226.9	14,800	44.7	234.9	13,300	49.5	239.8	11,800				160
165	12.5	164.5	12,000 *	24.5	195.4	13,900 *	29.5	206.8	14,900 *	36.4	220.4	14,100	42.1	229.6	12,700	47.1	235.4	11,200				165
170				19.8	183.1	13,300 *	25.6	197.2	14,100 *	33.2	213.3	13,500	39.4	223.8	12,100	44.6	230.5	10,700				170
175				13.5	166.4	12,700 *	21.1	185.6	13,500 *	29.8	205.1	12,900	36.5	217.4	11,500	42.0	225.2	10,200	46.9	229.8	8,900	175
180							15.4	170.5	12,900 *	26.0	195.7	12,300	33.3	210.2	11,000	39.3	219.4	9,700	44.4	224.9	8,400	180
190										16.0	169.6	11,200	26.1	192.7	10,000	33.2	205.8	8,700	39.0	213.7	7,600	190
200													16.2	166.8	9,100	26.0	188.2	7,900	32.9	199.9	6,800	200
210																16.0	162.1	7,200	25.5	182.0	6,100	210
220																			15.2	155.0	5,500	220

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**120 Ft. Boom, 170 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	76.0	294.8	33,200 *																			50
55	74.2	293.5	33,000 *																			55
60	72.5	292.0	31,900 *																			60
65	70.7	290.3	30,600 *																			65
70	68.9	288.5	29,200 *																			70
75	67.1	286.5	27,800 *	70.9	289.6	30,600 *																75
80	65.2	284.3	26,500 *	69.1	287.8	29,300 *																80
85	63.4	281.8	25,200 *	67.3	285.8	28,100 *																85
90	61.5	279.2	24,000 *	65.5	283.6	26,800 *	67.8	285.4	28,100 *													90
95	59.5	276.4	22,800 *	63.6	281.2	25,600 *	66.0	283.2	26,900 *													95
100	57.6	273.3	21,600 *	61.7	278.7	24,300 *	64.1	280.9	25,800 *													100
105	55.5	270.0	20,500 *	59.8	275.9	23,100 *	62.2	278.4	24,600 *													105
110	53.5	266.5	19,400 *	57.8	272.8	22,000 *	60.3	275.6	23,400 *													110
115	51.3	262.6	18,400 *	55.8	269.6	20,800 *	58.3	272.7	22,300 *	62.4	276.2	23,600										115
120	49.1	258.5	17,400 *	53.7	266.0	19,800 *	56.3	269.4	21,200 *	60.5	273.5	22,300										120
125	46.9	254.0	16,500 *	51.6	262.2	18,700 *	54.3	266.0	20,100 *	58.5	270.5	21,000										125
130	44.5	249.1	15,600 *	49.4	258.1	17,700 *	52.2	262.3	19,000 *	56.5	267.3	19,900										130
135	42.1	243.8	14,700 *	47.2	253.6	16,800 *	50.0	258.2	18,000 *	54.5	263.9	18,800										135
140	39.5	238.0	13,900 *	44.8	248.8	15,900 *	47.8	253.9	17,100 *	52.4	260.2	17,800	56.6	264.1	16,100							140
145	36.8	231.6	13,200 *	42.4	243.6	15,000 *	45.5	249.1	16,100 *	50.2	256.2	16,900	54.5	260.7	15,200							145
150	33.8	224.5	12,400 *	39.8	237.8	14,200 *	43.0	244.0	15,200 *	48.0	251.8	16,100	52.4	257.0	14,500							150
155	30.7	216.6	11,700 *	37.1	231.5	13,400 *	40.5	238.4	14,400 *	45.7	247.1	15,300	50.3	253.0	13,700							155
160	27.2	207.6	10,900 *	34.2	224.6	12,600 *	37.8	232.3	13,600 *	43.2	242.0	14,600	48.0	248.7	13,000	52.4	252.7	11,500				160
165	23.2	197.0	10,000 *	31.1	216.8	11,900 *	35.0	225.5	12,900 *	40.7	236.5	13,900	45.7	244.0	12,400	50.2	248.7	11,000				165
170	18.5	183.9	9,200 *	27.7	207.9	11,000 *	32.0	217.9	12,100 *	38.1	230.4	13,200	43.3	238.9	11,800	48.0	244.4	10,400				170
175	12.1	165.6	8,500 *	23.8	197.5	10,200 *	28.6	209.4	11,300 *	35.2	223.7	12,600	40.8	233.4	11,200	45.6	239.7	9,900				175
180				19.2	184.8	9,400 *	24.9	199.4	10,400 *	32.2	216.2	12,100	38.2	227.3	10,700	43.2	234.6	9,400	47.7	238.8	8,100	180
190							15.0	171.8	8,900 *	25.2	197.9	10,500 *	32.3	213.1	9,700	38.1	222.9	8,500	43.0	228.9	7,300	190
200										15.5	170.9	9,000 *	25.3	195.0	8,800	32.2	208.7	7,700	37.8	217.2	6,500	200
210													15.7	168.2	8,000	25.2	190.4	6,900	31.8	202.8	5,900	210
220																15.5	163.4	6,200	24.7	184.2	5,200	220
230																			14.7	156.3	4,600	230



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

130 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	68.3	204.9	95,000 *b																			35
40	63.8	202.7	90,300 *b																			40
45	59.2	200.0	84,400 *	69.6	204.5	84,800 *b																45
50	54.3	196.7	78,100 *	65.2	202.4	79,600 *b																50
55	49.1	192.8	68,900 *	60.6	199.9	71,400 *b	66.9	202.2	70,400 b													55
60	43.4	188.0	61,100 *	55.8	196.8	64,600 *	62.3	199.8	63,100 b													60
65	37.1	182.1	54,600 *	50.7	193.0	58,900 *	57.6	196.9	57,100													65
70	29.6	174.5	49,200 *	45.2	188.5	54,000 *	52.6	193.4	52,100													70
75	19.8	163.6	43,500 *	39.1	183.0	49,900 *	47.3	189.2	47,800	58.8	195.1	44,400										75
80				32.0	176.0	46,000	41.4	184.1	44,100	53.9	191.8	40,900										80
85				23.2	166.4	42,700	34.8	177.7	40,900	48.7	187.8	37,900										85
90				7.8	148.4	38,200 *	26.8	169.3	38,100	42.9	182.9	35,300	54.9	188.9	32,600							90
95							15.4	156.3	35,500	36.5	176.9	33,000	49.7	185.1	30,400							95
100										29.0	169.1	30,900	44.1	180.4	28,500							100
105										18.9	157.8	29,000	37.9	174.6	26,800	50.4	181.1	24,500				105
110													30.6	167.3	25,200	44.9	176.5	23,100				110
115													21.2	157.0	23,700	38.7	170.9	21,800				115
120																31.6	163.8	20,500	45.1	171.3	18,700	120
125																22.6	154.1	19,400	39.0	165.8	17,700	125
130																6.0	134.5	18,300	31.9	158.8	16,700	130
135																			23.1	149.2	15,800	135
140																			7.5	130.8	15,000	140



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

130 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	71.1	215.6	85,200 *b																			35
40	67.3	213.7	82,400 *b																			40
45	63.4	211.4	79,700 *																			45
50	59.3	208.7	75,900 *	68.5	213.3	76,000 *b																50
55	55.0	205.4	69,500 *	64.6	211.1	71,300 *																55
60	50.5	201.6	61,600 *	60.5	208.5	64,400 *	66.0	210.9	62,700 b													60
65	45.7	197.1	55,100 *	56.3	205.5	58,700 *	62.0	208.5	56,700													65
70	40.5	191.8	49,700 *	51.9	201.9	53,800 *	57.9	205.6	51,700													70
75	34.6	185.3	45,100 *	47.2	197.6	49,600 *	53.6	202.2	47,500													75
80	27.7	177.0	41,100 *	42.1	192.5	45,800	49.0	198.2	43,800	59.0	203.8	40,500										80
85	18.5	165.3	36,700 *	36.5	186.4	42,400	44.0	193.4	40,600	54.7	200.5	37,500										85
90				29.9	178.8	39,500	38.6	187.7	37,800	50.2	196.7	34,900										90
95				21.7	168.4	36,900	32.5	180.7	35,300	45.3	192.1	32,600	55.6	197.6	30,000							95
100				7.3	149.1	32,600 *	25.0	171.6	33,000	40.0	186.7	30,500	51.1	193.9	28,100							100
105							14.4	157.6	31,000	34.1	180.1	28,700	46.3	189.5	26,300							105
110										27.1	171.6	27,000	41.1	184.3	24,800	51.7	189.9	22,600				110
115										17.6	159.5	25,400	35.3	177.9	23,400	46.9	185.6	21,300				115
120													28.6	169.9	22,100	41.8	180.5	20,100				120
125													19.8	158.8	20,900	36.1	174.3	19,000	47.1	180.4	17,200	125
130																29.5	166.6	18,000	42.0	175.3	16,300	130
135																21.1	156.0	17,100	36.4	169.2	15,400	135
140																5.6	135.0	16,100	29.8	161.5	14,600	140
145																			21.6	151.1	13,900	145
150																			7.0	131.5	13,100	150



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

130 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	73.3	226.1	78,300 *b																			35
40	69.9	224.4	75,900 *b																			40
45	66.5	222.4	73,300 *																			45
50	63.0	220.1	70,400 *	71.0	224.0	73,600 *b																50
55	59.4	217.3	67,800 *	67.6	222.1	69,800 *																55
60	55.6	214.1	61,700 *	64.1	219.8	64,000 *																60
65	51.6	210.4	55,200 *	60.5	217.2	58,300 *	65.4	219.6	56,500													65
70	47.5	206.2	49,800 *	56.7	214.1	53,400 *	61.8	217.1	51,500													70
75	43.0	201.2	45,300 *	52.9	210.6	49,200 *	58.1	214.3	47,200													75
80	38.1	195.4	41,400 *	48.7	206.5	45,500 *	54.3	210.9	43,600	62.7	215.2	40,200										80
85	32.6	188.3	37,900 *	44.4	201.8	42,200	50.3	207.0	40,400	59.1	212.4	37,300										85
90	26.0	179.4	34,800 *	39.6	196.2	39,300	46.0	202.6	37,600	55.3	209.2	34,700										90
95	17.4	166.9	31,300 *	34.3	189.6	36,700	41.4	197.3	35,100	51.3	205.5	32,400										95
100				28.2	181.4	34,400	36.3	191.1	32,900	47.1	201.2	30,300	56.1	206.3	27,800							100
105				20.4	170.3	32,300	30.6	183.6	30,900	42.6	196.1	28,500	52.1	202.7	26,100							105
110				6.9	149.7	28,100 *	23.6	173.8	29,100	37.7	190.2	26,800	48.0	198.5	24,500							110
115							13.5	158.9	27,400	32.1	183.0	25,300	43.5	193.6	23,100	52.6	198.7	21,000				115
120										25.5	173.9	23,900	38.7	187.9	21,900	48.5	194.6	19,900				120
125										16.6	161.0	22,600	33.3	181.0	20,700	44.1	189.8	18,800				125
130													26.9	172.4	19,600	39.3	184.2	17,800				130
135													18.7	160.5	18,600	34.0	177.5	16,900	44.3	184.6	15,200	135
140																27.8	169.1	16,000	39.5	179.0	14,400	140
145																19.9	157.8	15,200	34.2	172.4	13,700	145
150																5.3	135.5	14,400	28.1	164.1	13,000	150
155																			20.3	153.0	12,300	155
160																			6.6	132.1	11,700	160

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**130 Ft. Boom, 100 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	75.0	236.5	71,700 *b																			35
40	72.0	235.0	69,600 *b																			40
45	69.0	233.2	67,500 *																			45
50	65.9	231.2	65,400 *																			50
55	62.7	228.7	62,800 *	69.9	232.8	67,300 *																55
60	59.4	226.0	60,400 *	66.8	230.8	63,500 *																60
65	56.0	222.8	55,100 *	63.7	228.5	57,800 *	68.0	230.5	56,100													65
70	52.5	219.2	49,800 *	60.4	225.9	52,900 *	64.8	228.3	51,100													70
75	48.8	215.1	45,200 *	57.1	222.8	48,700 *	61.6	225.8	46,800													75
80	44.9	210.4	41,300 *	53.6	219.4	45,000 *	58.3	222.9	43,200													80
85	40.7	205.0	37,900 *	49.9	215.4	41,800 *	54.9	219.6	40,000	62.5	223.9	36,900										85
90	36.0	198.7	34,900 *	46.1	210.9	39,000	51.3	215.9	37,200	59.2	221.1	34,300										90
95	30.8	191.1	32,200 *	42.0	205.8	36,400	47.5	211.6	34,700	55.8	217.9	32,000										95
100	24.7	181.6	29,800 *	37.5	199.7	34,100	43.5	206.7	32,500	52.2	214.3	29,900										100
105	16.5	168.4	26,900 *	32.5	192.6	32,100	39.2	201.0	30,600	48.5	210.1	28,100	56.5	215.0	25,600							105
110				26.7	183.8	30,200	34.4	194.3	28,800	44.6	205.4	26,400	52.9	211.5	24,100							110
115				19.4	172.0	28,400 *	29.0	186.2	27,100	40.3	199.9	24,900	49.3	207.4	22,700							115
120				6.5	150.3	24,300 *	22.3	175.8	25,600	35.7	193.5	23,500	45.4	202.8	21,500							120
125							12.8	160.0	24,300	30.4	185.8	22,300	41.2	197.5	20,300	49.7	203.5	18,300				125
130										24.2	176.1	21,100	36.6	191.3	19,200	45.9	198.9	17,400				130
135										15.8	162.4	20,000	31.5	183.9	18,200	41.7	193.7	16,400				135
140													25.5	174.7	17,300	37.2	187.7	15,600	46.0	193.7	13,900	140
145													17.7	162.1	16,400	32.2	180.5	14,800	41.9	188.6	13,200	145
150																26.3	171.5	14,100	37.4	182.5	12,500	150
155																18.9	159.5	13,400	32.4	175.4	11,900	155
160																5.0	135.9	12,700	26.6	166.5	11,300	160
165																			19.3	154.7	10,800	165
170																			6.2	132.6	10,200	170



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

130 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	73.7	245.5	64,100 *																			40
45	71.0	243.9	62,300 *																			45
50	68.2	242.0	60,300 *																			50
55	65.4	239.9	58,200 *																			55
60	62.5	237.4	56,100 *	69.0	241.6	61,500 *																60
65	59.5	234.6	54,100 *	66.2	239.5	57,600 *																65
70	56.4	231.5	49,900 *	63.3	237.2	52,700 *	67.3	239.3	51,000													70
75	53.2	228.0	45,300 *	60.4	234.5	48,600 *	64.4	237.0	46,800													75
80	49.9	224.0	41,500 *	57.3	231.5	44,900 *	61.5	234.5	43,100													80
85	46.4	219.5	38,100 *	54.2	228.1	41,700 *	58.5	231.6	39,900													85
90	42.7	214.5	35,100 *	50.9	224.3	38,900 *	55.4	228.3	37,200	62.2	232.6	34,200										90
95	38.7	208.6	32,500 *	47.5	220.0	36,400	52.1	224.7	34,700	59.3	229.8	31,900										95
100	34.3	201.9	30,100 *	43.8	215.1	34,100	48.8	220.5	32,500	56.2	226.6	29,800										100
105	29.4	193.8	28,000 *	39.9	209.5	32,000	45.2	215.9	30,500	53.0	223.0	28,000										105
110	23.5	183.8	26,000 *	35.7	203.0	30,200	41.4	210.6	28,700	49.6	219.0	26,400	56.8	223.7	24,000							110
115	15.8	169.8	23,600 *	30.9	195.4	28,500	37.3	204.5	27,100	46.1	214.5	24,900	53.6	220.2	22,600							115
120				25.4	186.1	26,800 *	32.8	197.3	25,600	42.4	209.4	23,500	50.3	216.3	21,400							120
125				18.4	173.7	24,900 *	27.6	188.7	24,300	38.4	203.5	22,200	46.8	211.9	20,200							125
130				6.2	150.8	21,500 *	21.3	177.7	23,000	34.0	196.7	21,100	43.2	206.9	19,200	50.7	212.3	17,300				130
135							12.2	161.1	21,900	29.0	188.5	20,000	39.2	201.2	18,200	47.3	208.0	16,400				135
140										23.0	178.2	19,000	34.9	194.5	17,300	43.6	203.1	15,500				140
145										15.0	163.7	18,100	30.0	186.7	16,400	39.7	197.4	14,800	47.4	202.8	13,100	145
150													24.3	176.9	15,600	35.4	191.0	14,000	43.8	197.9	12,500	150
155													16.9	163.6	14,900	30.7	183.3	13,400	39.9	192.3	11,900	155
160																25.1	173.8	12,700	35.6	185.8	11,300	160
165																18.0	161.2	12,100	30.9	178.2	10,700	165
170																4.8	136.4	11,500	25.4	168.8	10,200	170
175																			18.3	156.4	9,700	175
180																			5.9	133.1	9,200	180

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**130 Ft. Boom, 120 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.1	255.8	50,900 *																			40
45	72.6	254.4	49,900 *																			45
50	70.1	252.7	49,000 *																			50
55	67.5	250.8	48,200 *																			55
60	64.9	248.6	47,400 *	70.9	252.2	49,600 *																60
65	62.3	246.1	46,200 *	68.3	250.4	49,000 *																65
70	59.5	243.3	44,500 *	65.7	248.3	48,400 *																70
75	56.7	240.2	42,700 *	63.1	245.9	47,400 *	66.7	248.0	46,400													75
80	53.8	236.7	41,000 *	60.4	243.2	44,800 *	64.1	245.7	42,800													80
85	50.8	232.9	38,200 *	57.6	240.2	41,500 *	61.4	243.1	39,600													85
90	47.6	228.5	35,200 *	54.7	236.8	38,600	58.6	240.2	36,800													90
95	44.3	223.7	32,600 *	51.7	233.1	36,100	55.8	237.0	34,300	62.1	241.2	31,500										95
100	40.8	218.3	30,200 *	48.6	228.9	33,800	52.8	233.4	32,200	59.3	238.4	29,500										100
105	37.0	212.1	28,100 *	45.3	224.2	31,700	49.8	229.4	30,200	56.5	235.3	27,600										105
110	32.8	204.9	26,200 *	41.9	219.0	29,900	46.6	224.9	28,400	53.6	231.8	26,000										110
115	28.1	196.4	24,400 *	38.2	213.0	28,200	43.2	219.9	26,800	50.6	227.9	24,500	57.1	232.4	22,200							115
120	22.5	185.8	22,800 *	34.1	206.2	26,700	39.6	214.3	25,300	47.4	223.5	23,100	54.2	228.9	21,000							120
125	15.1	171.1	20,700 *	29.6	198.1	25,000 *	35.7	207.8	24,000	44.1	218.7	21,900	51.2	225.1	19,800							125
130				24.3	188.3	23,400 *	31.3	200.2	22,700	40.5	213.2	20,700	48.0	220.9	18,800							130
135				17.7	175.3	21,800 *	26.4	191.1	21,600	36.7	206.9	19,700	44.7	216.1	17,800	51.6	221.1	15,900				135
140				6.0	151.4	18,900 *	20.4	179.6	20,500	32.5	199.6	18,700	41.2	210.7	16,900	48.4	216.9	15,100				140
145							11.7	162.2	19,500	27.7	191.0	17,800	37.5	204.6	16,100	45.2	212.3	14,300				145
150										22.0	180.2	16,900	33.3	197.6	15,300	41.7	207.0	13,600				150
155										14.4	165.0	16,100	28.7	189.3	14,500	38.0	201.0	13,000	45.3	207.0	11,400	155
160													23.3	179.0	13,800	33.9	194.1	12,300	41.8	201.8	10,900	160
165													16.2	165.1	13,200	29.3	185.9	11,700	38.1	195.8	10,300	165
170																24.0	176.0	11,200	34.1	189.0	9,800	170
175																17.2	162.7	10,600	29.5	180.9	9,300	175
180																4.6	136.8	10,100	24.3	171.0	8,900	180
190																			5.7	133.7	8,000	190

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**130 Ft. Boom, 130 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.0	264.8	46,800 *																			45
50	71.7	263.3	46,000 *																			50
55	69.3	261.5	45,300 *																			55
60	67.0	259.5	44,400 *																			60
65	64.6	257.3	42,700 *	70.1	261.1	45,700 *																65
70	62.1	254.8	41,100 *	67.7	259.2	45,100 *																70
75	59.6	252.0	39,500 *	65.3	257.0	43,600 *																75
80	57.0	248.9	38,000 *	62.8	254.5	42,000 *	66.2	256.7	42,500													80
85	54.3	245.5	36,500 *	60.3	251.8	40,500 *	63.7	254.4	39,300													85
90	51.5	241.7	35,100 *	57.8	248.8	38,300 *	61.3	251.8	36,500													90
95	48.7	237.5	32,400 *	55.1	245.5	35,800 *	58.7	248.9	34,100													95
100	45.7	232.9	30,100 *	52.4	241.9	33,500 *	56.1	245.7	31,900	61.9	249.9	29,200										100
105	42.5	227.7	28,000 *	49.5	237.8	31,500 *	53.4	242.2	29,900	59.4	247.1	27,400										105
110	39.1	221.9	26,100 *	46.6	233.3	29,600 *	50.6	238.3	28,200	56.8	244.0	25,700										110
115	35.5	215.3	24,300 *	43.5	228.3	27,900 *	47.7	234.0	26,600	54.1	240.5	24,200										115
120	31.5	207.8	22,800 *	40.2	222.7	26,400 *	44.6	229.2	25,100	51.3	236.7	22,900	57.3	241.0	20,700							120
125	27.0	198.8	21,300 *	36.6	216.4	25,000 *	41.4	223.8	23,800	48.4	232.5	21,600	54.6	237.7	19,500							125
130	21.6	187.8	19,900 *	32.7	209.2	23,300 *	38.0	217.8	22,500	45.4	227.8	20,500	51.9	233.9	18,500							130
135	14.5	172.4	18,100 *	28.4	200.7	21,800 *	34.2	210.9	21,400	42.2	222.6	19,400	49.0	229.8	17,500							135
140				23.4	190.4	20,400 *	30.1	202.9	20,300	38.9	216.8	18,500	46.0	225.2	16,600	52.2	229.9	14,800				140
145				17.0	176.8	19,100 *	25.3	193.4	19,400	35.2	210.1	17,600	42.9	220.1	15,800	49.4	225.9	14,100				145
150				5.7	151.9	16,600 *	19.6	181.3	18,400	31.2	202.5	16,700	39.5	214.4	15,000	46.4	221.3	13,400				150
155							11.3	163.2	17,600	26.6	193.4	15,900	35.9	208.0	14,300	43.3	216.3	12,700				155
160										21.2	182.1	15,200	32.0	200.5	13,600	40.0	210.7	12,100	46.5	216.1	10,600	160
165										13.8	166.3	14,500	27.6	191.8	13,000	36.4	204.3	11,500	43.4	211.1	10,000	165
170													22.3	181.1	12,400	32.5	197.1	10,900	40.1	205.5	9,500	170
175													15.5	166.5	11,800	28.2	188.5	10,400	36.6	199.2	9,100	175
180																23.1	178.1	9,900	32.7	192.0	8,600	180
190																4.4	137.2	8,900	23.3	173.1	7,800	190
200																			5.5	134.1	7,000	200



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

130 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.2	275.2	43,700 *																			45
50	73.0	273.8	43,000 *																			50
55	70.9	272.2	42,300 *																			55
60	68.7	270.3	40,800 *																			60
65	66.5	268.3	39,200 *																			65
70	64.2	266.0	37,700 *	69.4	269.9	41,300 *																70
75	61.9	263.4	36,200 *	67.2	267.9	39,900 *																75
80	59.6	260.6	34,700 *	64.9	265.7	38,500 *	68.0	267.6	40,000 *													80
85	57.2	257.5	33,300 *	62.6	263.2	37,000 *	65.7	265.5	38,700 *													85
90	54.7	254.2	31,900 *	60.3	260.5	35,600 *	63.5	263.1	36,200													90
95	52.2	250.5	30,600 *	57.9	257.5	34,200 *	61.2	260.5	33,700													95
100	49.5	246.4	29,400 *	55.5	254.2	32,800 *	58.8	257.6	31,600													100
105	46.8	241.9	27,800 *	53.0	250.6	31,000 *	56.4	254.4	29,600	61.8	258.6	27,000										105
110	43.9	237.0	25,900 *	50.3	246.7	29,100 *	53.9	250.9	27,800	59.4	255.7	25,300										110
115	40.9	231.5	24,100 *	47.6	242.3	27,500 *	51.3	247.1	26,200	57.0	252.6	23,800										115
120	37.6	225.4	22,600 *	44.8	237.5	25,900 *	48.6	242.9	24,800	54.5	249.2	22,500										120
125	34.2	218.5	21,100 *	41.8	232.2	24,500 *	45.9	238.3	23,400	52.0	245.5	21,300	57.5	249.7	19,100							125
130	30.3	210.5	19,800 *	38.6	226.3	23,100 *	42.9	233.2	22,200	49.3	241.4	20,100	55.0	246.4	18,100							130
135	26.0	201.2	18,600 *	35.2	219.7	21,700 *	39.8	227.5	21,100	46.6	236.9	19,100	52.5	242.7	17,100							135
140	20.8	189.6	17,400 *	31.5	212.1	20,300 *	36.5	221.1	20,000	43.7	231.9	18,100	49.9	238.7	16,200							140
145	14.0	173.7	15,800 *	27.4	203.2	19,000 *	32.9	213.9	19,100	40.6	226.4	17,200	47.1	234.3	15,400	52.8	238.7	13,600				145
150				22.5	192.4	17,800 *	29.0	205.6	18,100	37.4	220.2	16,400	44.3	229.4	14,600	50.2	234.7	12,900				150
155				16.3	178.3	16,700 *	24.4	195.6	17,300	33.9	213.2	15,600	41.3	224.0	13,900	47.5	230.3	12,300				155
160				5.5	152.4	14,500 *	18.8	183.0	16,500	30.0	205.2	14,900	38.0	217.9	13,200	44.6	225.5	11,700				160
165							10.8	164.1	15,700	25.6	195.7	14,200	34.6	211.1	12,600	41.6	220.2	11,100	47.6	225.1	9,600	165
170										20.4	184.0	13,500	30.8	203.4	12,000	38.5	214.2	10,500	44.8	220.3	9,100	170
175										13.3	167.4	12,900	26.5	194.2	11,400	35.0	207.6	10,000	41.8	215.0	8,600	175
180													21.5	183.0	10,900	31.3	199.9	9,500	38.6	209.1	8,200	180
190																22.2	180.1	8,600	31.5	194.8	7,400	190
200																4.3	137.6	7,800	22.4	175.2	6,600	200
210																			5.3	134.6	5,900	210



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

130 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.2	284.2	40,100 *																			50
55	72.2	282.7	39,200 *																			55
60	70.2	281.0	37,700 *																			60
65	68.1	279.1	36,200 *																			65
70	66.1	277.0	34,800 *	70.8	280.5	38,000 *																70
75	64.0	274.6	33,300 *	68.8	278.7	36,700 *																75
80	61.8	272.1	31,900 *	66.7	276.6	35,400 *																80
85	59.6	269.3	30,600 *	64.6	274.4	34,000 *	67.5	276.3	35,500 *													85
90	57.4	266.2	29,200 *	62.5	271.9	32,700 *	65.4	274.2	34,300 *													90
95	55.1	262.9	28,000 *	60.3	269.2	31,300 *	63.3	271.8	33,000 *													95
100	52.7	259.2	26,700 *	58.1	266.2	30,000 *	61.1	269.1	31,400 *													100
105	50.3	255.3	25,500 *	55.8	262.9	28,700 *	58.9	266.2	29,500 *													105
110	47.7	250.9	24,400 *	53.4	259.4	27,500 *	56.6	263.1	27,700 *	61.6	267.2	25,200 *										110
115	45.1	246.2	23,300 *	51.0	255.5	26,300 *	54.3	259.6	26,100 *	59.5	264.4	23,700 *										115
120	42.3	240.9	22,300 *	48.5	251.3	25,100 *	51.9	255.9	24,700 *	57.2	261.3	22,400 *										120
125	39.4	235.2	21,100 *	45.9	246.6	24,000 *	49.5	251.8	23,300 *	54.9	257.9	21,100 *										125
130	36.3	228.7	19,800 *	43.2	241.6	22,900 *	46.9	247.3	22,100 *	52.5	254.3	20,000 *	57.7	258.4	18,000 *							130
135	33.0	221.5	18,600 *	40.3	236.0	21,700 *	44.2	242.4	21,000 *	50.1	250.3	19,000 *	55.4	255.1	17,000 *							135
140	29.3	213.2	17,500 *	37.3	229.7	20,300 *	41.4	237.0	19,900 *	47.5	245.9	18,000 *	53.0	251.5	16,100 *							140
145	25.1	203.5	16,400 *	34.0	222.8	19,100 *	38.4	231.0	19,000 *	44.9	241.1	17,100 *	50.6	247.5	15,300 *							145
150	20.1	191.4	15,400 *	30.4	214.8	17,900 *	35.2	224.4	18,100 *	42.1	235.8	16,300 *	48.1	243.2	14,500 *							150
155	13.5	174.9	14,000 *	26.4	205.6	16,800 *	31.8	216.8	17,200 *	39.2	230.0	15,500 *	45.4	238.5	13,800 *	50.9	243.6	12,200 *				155
160				21.7	194.4	15,800 *	28.0	208.1	16,400 *	36.1	223.5	14,800 *	42.7	233.4	13,100 *	48.4	239.3	11,600 *				160
165				15.8	179.7	14,800 *	23.6	197.8	15,700 *	32.7	216.2	14,100 *	39.8	227.7	12,500 *	45.8	234.7	11,000 *				165
170				5.3	152.8	12,900 *	18.2	184.6	15,000 *	29.0	207.9	13,400 *	36.7	221.3	11,900 *	43.1	229.6	10,400 *				170
175							10.5	165.1	14,200 *	24.7	198.0	12,800 *	33.4	214.2	11,400 *	40.2	223.9	9,900 *	45.9	229.4	8,500 *	175
180										19.7	185.7	12,300 *	29.7	206.1	10,800 *	37.1	217.7	9,400 *	43.2	224.4	8,100 *	180
190													20.8	184.9	9,900 *	30.2	202.7	8,600 *	37.2	212.5	7,300 *	190
200																21.4	182.0	7,800 *	30.4	197.6	6,600 *	200
210																4.1	137.9	7,000 *	21.7	177.1	5,900 *	210
220																			5.1	135.1	5,200 *	220

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**130 Ft. Boom, 160 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.2	294.6	37,000 *																			50
55	73.3	293.2	35,900 *																			55
60	71.5	291.6	34,500 *																			60
65	69.6	289.8	33,100 *																			65
70	67.6	287.9	31,700 *																			70
75	65.7	285.7	30,300 *	70.1	289.4	33,400 *																75
80	63.7	283.3	29,000 *	68.2	287.5	32,200 *																80
85	61.7	280.8	27,700 *	66.3	285.4	30,900 *																85
90	59.6	277.9	26,400 *	64.3	283.1	29,600 *	67.0	285.1	31,100 *													90
95	57.5	274.9	25,100 *	62.3	280.6	28,300 *	65.0	282.9	29,900 *													95
100	55.4	271.6	23,900 *	60.3	277.8	27,000 *	63.1	280.4	28,700 *													100
105	53.2	268.0	22,800 *	58.2	274.8	25,800 *	61.0	277.8	27,500 *													105
110	50.9	264.1	21,700 *	56.1	271.6	24,600 *	59.0	274.9	26,300 *													110
115	48.6	259.9	20,600 *	53.9	268.1	23,400 *	56.8	271.8	25,100 *	61.5	275.9	23,400										115
120	46.1	255.3	19,600 *	51.6	264.3	22,300 *	54.7	268.4	23,900 *	59.5	273.1	22,000										120
125	43.6	250.2	18,600 *	49.3	260.2	21,200 *	52.5	264.7	22,800 *	57.4	270.0	20,800										125
130	40.9	244.7	17,700 *	46.9	255.7	20,100 *	50.2	260.7	21,700 *	55.2	266.7	19,700										130
135	38.1	238.7	16,800 *	44.4	250.8	19,100 *	47.8	256.3	20,600 *	53.0	263.0	18,600	57.8	267.1	16,600							135
140	35.1	231.9	16,000 *	41.8	245.4	18,200 *	45.3	251.6	19,600	50.7	259.1	17,700	55.7	263.8	15,700							140
145	31.9	224.4	15,200 *	39.0	239.6	17,300 *	42.7	246.4	18,700	48.4	254.9	16,800	53.5	260.2	14,900							145
150	28.3	215.8	14,500 *	36.1	233.1	16,400 *	40.0	240.7	17,700 *	46.0	250.2	15,900	51.2	256.4	14,200							150
155	24.3	205.6	13,800 *	32.9	225.8	15,600 *	37.2	234.5	16,800 *	43.4	245.2	15,200	48.9	252.2	13,400							155
160	19.5	193.2	13,200 *	29.4	217.5	14,900 *	34.1	227.5	16,000 *	40.7	239.6	14,400	46.4	247.6	12,800	51.5	252.4	11,200				160
165	13.1	176.0	12,200 *	25.6	207.9	14,100 *	30.8	219.6	15,200 *	37.9	233.5	13,800	43.9	242.6	12,200	49.2	248.2	10,600				165
170				21.0	196.3	13,500 *	27.0	210.6	14,500 *	34.9	226.7	13,100	41.3	237.2	11,600	46.8	243.7	10,100				170
175				15.3	181.0	12,900 *	22.8	199.8	13,800 *	31.6	219.1	12,500	38.5	231.2	11,000	44.2	238.8	9,500				175
180				5.2	153.3	11,200 *	17.6	186.2	13,200 *	28.0	210.4	11,900	35.5	224.6	10,500	41.6	233.4	9,100	46.9	238.5	7,700	180
190										19.0	187.4	10,900	28.8	208.7	9,500	35.9	221.0	8,200	41.7	228.2	6,900	190
200													20.1	186.7	8,700	29.2	205.3	7,400	36.0	215.8	6,200	200
210																20.8	183.9	6,700	29.4	200.3	5,500	210
220																4.0	138.3	6,000	21.0	179.0	4,900	220
230																			4.9	135.5	4,300	230



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

130 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.4	303.6	32,400 *																			55
60	72.6	302.1	31,800 *																			60
65	70.8	300.4	30,500 *																			65
70	69.0	298.6	29,100 *																			70
75	67.2	296.6	27,800 *																			75
80	65.4	294.4	26,500 *	69.6	298.2	29,500 *																80
85	63.5	292.0	25,300 *	67.8	296.2	28,300 *																85
90	61.6	289.4	24,100 *	65.9	294.1	27,000 *																90
95	59.7	286.6	22,900 *	64.1	291.8	25,800 *	66.6	293.8	27,300 *													95
100	57.7	283.6	21,700 *	62.2	289.2	24,600 *	64.8	291.6	26,100 *													100
105	55.7	280.3	20,600 *	60.3	286.5	23,500 *	62.9	289.1	25,000 *													105
110	53.6	276.7	19,500 *	58.3	283.5	22,300 *	61.0	286.4	23,900 *													110
115	51.5	272.9	18,500 *	56.3	280.3	21,200 *	59.0	283.6	22,700 *													115
120	49.3	268.8	17,500 *	54.2	276.8	20,100 *	57.0	280.4	21,600 *	61.5	284.6	21,700										120
125	47.0	264.3	16,600 *	52.1	273.1	19,000 *	55.0	277.1	20,500 *	59.5	281.7	20,500										125
130	44.7	259.4	15,700 *	50.0	269.0	18,000 *	52.9	273.4	19,500 *	57.5	278.7	19,400										130
135	42.2	254.2	14,800 *	47.7	264.7	17,100 *	50.8	269.5	18,500 *	55.5	275.4	18,300										135
140	39.7	248.4	14,000 *	45.4	259.9	16,100 *	48.6	265.3	17,500 *	53.4	271.8	17,400	57.9	275.7	15,400							140
145	36.9	242.1	13,300 *	43.0	254.8	15,300 *	46.3	260.7	16,500 *	51.3	267.9	16,500	55.9	272.5	14,600							145
150	34.0	235.1	12,500 *	40.5	249.2	14,400 *	43.9	255.7	15,600 *	49.1	263.8	15,700	53.9	269.0	13,900							150
155	30.9	227.2	11,800 *	37.8	243.0	13,600 *	41.4	250.3	14,800 *	46.9	259.3	14,900	51.7	265.2	13,200							155
160	27.5	218.2	11,000 *	34.9	236.3	12,900 *	38.8	244.3	14,000 *	44.5	254.4	14,200	49.6	261.1	12,500							160
165	23.5	207.8	10,100 *	31.9	228.7	12,100 *	36.0	237.8	13,200 *	42.0	249.1	13,500	47.3	256.6	11,900	52.0	261.2	10,300				165
170	18.9	194.9	9,300 *	28.5	220.1	11,300 *	33.0	230.5	12,500 *	39.5	243.3	12,900	45.0	251.8	11,300	49.9	257.1	9,800				170
175	12.7	177.2	8,600 *	24.8	210.1	10,500 *	29.8	222.3	11,700 *	36.7	236.9	12,300	42.5	246.6	10,700	47.6	252.7	9,300				175
180				20.4	198.1	9,600 *	26.2	212.9	10,800 *	33.8	229.8	11,700	40.0	240.9	10,200	45.3	248.0	8,800				180
190				5.0	153.7	8,200 *	17.1	187.7	9,200 *	27.2	212.8	10,700	34.4	227.7	9,300	40.3	237.2	7,900	45.4	242.7	6,600	190
200										18.5	189.1	9,400 *	27.9	211.2	8,400	34.8	224.2	7,100	40.4	232.0	5,900	200
210													19.5	188.4	7,600	28.3	207.9	6,400	34.9	219.0	5,300	210
220																20.1	185.7	5,800	28.5	202.8	4,700	220
230																3.9	138.6	5,100	20.3	180.8	4,100	230

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**140 Ft. Boom, 70 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	68.6	215.1	90,600 *b																			35
40	64.2	212.9	84,800 *b																			40
45	59.5	210.2	79,500 *b																			45
50	54.6	207.0	74,700 *	66.3	212.9	75,500 *b																50
55	49.4	203.1	68,800 *	61.8	210.5	69,800 *b																55
60	43.8	198.3	61,700 *	57.0	207.5	63,100 *	63.9	210.5	62,500 b													60
65	37.5	192.5	55,100 *	52.0	203.9	57,500 *	59.3	207.8	56,600 b													65
70	30.2	185.1	49,600 *	46.6	199.6	52,800 *	54.4	204.6	51,600													70
75	20.6	174.5	43,900 *	40.6	194.4	48,700 *	49.2	200.6	47,300	61.3	206.3	43,500 b										75
80				33.9	187.8	45,200 *	43.5	195.9	43,700	56.5	203.2	40,200										80
85				25.6	179.1	42,100 *	37.2	190.0	40,500	51.4	199.6	37,200										85
90				13.3	164.9	39,300 *	29.8	182.4	37,700	46.0	195.2	34,600										90
95							20.0	171.6	35,200	40.0	189.8	32,400	53.3	197.2	29,500							95
100										33.1	183.1	30,300	48.0	193.1	27,600							100
105										24.6	174.0	28,500	42.2	188.1	26,000							105
110										11.3	158.5	26,700	35.7	181.9	24,400	49.6	189.5	22,100				110
115													28.0	173.9	23,000	44.0	184.8	20,800				115
120													17.3	161.9	21,700	37.7	179.0	19,700				120
125																30.4	171.6	18,600	45.1	180.0	16,700	125
130																20.9	161.2	17,600	39.0	174.4	15,800	130
135																			31.9	167.4	14,900	135
140																			23.1	157.8	14,100	140
145																			7.5	139.5	13,400	145

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

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 With The Intent To Be In
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777 SERIES 2**140 Ft. Boom, 80 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	71.4	225.7	83,500 *b																			35
40	67.6	223.8	80,700 *b																			40
45	63.6	221.6	75,900 *																			45
50	59.6	218.9	71,600 *	69.4	223.7	72,000 *b																50
55	55.3	215.7	67,600 *	65.5	221.6	68,100 *b																55
60	50.8	211.9	62,100 *	61.5	219.1	62,900 *	67.4	221.5	62,100 b													60
65	46.1	207.5	55,600 *	57.4	216.2	57,300 *	63.4	219.2	56,200													65
70	40.9	202.2	50,100 *	53.0	212.7	52,500 *	59.4	216.5	51,200													70
75	35.0	195.8	45,500 *	48.4	208.6	48,400 *	55.1	213.3	47,000													75
80	28.2	187.7	41,400 *	43.4	203.8	44,800 *	50.6	209.5	43,300	61.1	214.9	39,700										80
85	19.3	176.3	37,000 *	37.9	197.9	41,700 *	45.8	205.0	40,200	56.9	211.9	36,800										85
90				31.6	190.7	38,900 *	40.6	199.7	37,400	52.5	208.4	34,200										90
95				23.9	181.2	36,400 *	34.7	193.2	34,900	47.9	204.2	32,000										95
100				12.4	166.0	34,300 *	27.8	185.0	32,700	42.8	199.3	29,900	54.2	205.9	27,200							100
105							18.7	173.3	30,700	37.3	193.3	28,100	49.6	202.0	25,500							105
110										30.9	185.9	26,500	44.7	197.4	24,000							110
115										23.0	176.1	24,900	39.4	191.8	22,600	51.0	198.4	20,400				115
120										10.5	159.5	23,500	33.3	185.0	21,400	46.2	193.9	19,200				120
125													26.1	176.3	20,200	41.0	188.7	18,200				125
130													16.2	163.4	19,100	35.2	182.3	17,200	47.1	189.1	15,300	130
135																28.4	174.2	16,300	42.0	184.0	14,500	135
140																19.6	163.0	15,500	36.4	177.9	13,700	140
145																			29.8	170.2	13,000	145
150																			21.6	159.8	12,300	150
155																			7.0	140.1	11,700	155

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**140 Ft. Boom, 90 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	73.5	236.2	76,200 *b																			35
40	70.2	234.5	74,900 *b																			40
45	66.8	232.6	72,700 *																			45
50	63.2	230.2	69,500 *																			50
55	59.6	227.5	65,900 *	68.4	232.5	66,300 *b																55
60	55.9	224.4	61,700 *	64.9	230.3	62,500 *																60
65	51.9	220.7	55,700 *	61.4	227.8	56,900 *	66.6	230.2	55,900													65
70	47.8	216.5	50,300 *	57.7	224.9	52,100 *	63.1	227.9	50,900													70
75	43.3	211.6	45,600 *	53.8	221.5	48,000 *	59.4	225.2	46,700													75
80	38.4	205.8	41,700 *	49.8	217.5	44,500 *	55.7	222.0	43,100													80
85	33.0	198.8	38,200 *	45.5	213.0	41,300 *	51.7	218.3	39,900	61.0	223.6	36,500										85
90	26.5	190.1	35,100 *	40.8	207.6	38,600 *	47.5	214.0	37,200	57.3	220.6	34,000										90
95	18.2	177.9	31,600 *	35.7	201.3	36,100 *	43.1	209.1	34,700	53.4	217.1	31,700										95
100				29.8	193.5	33,900 *	38.2	203.3	32,500	49.3	213.1	29,700										100
105				22.5	183.3	31,900 *	32.7	196.2	30,500	45.0	208.5	27,900	54.8	214.6	25,300							105
110				11.7	167.1	30,000 *	26.2	187.4	28,800	40.3	203.1	26,200	50.8	210.8	23,800							110
115							17.6	174.9	27,100	35.1	196.6	24,800	46.6	206.5	22,400							115
120										29.1	188.6	23,400	42.0	201.3	21,100	52.0	207.2	18,900				120
125										21.6	178.1	22,100	37.0	195.3	20,000	47.9	203.0	17,900				125
130										9.9	160.4	20,900	31.4	187.9	18,900	43.4	198.1	16,900				130
135													24.6	178.5	18,000	38.5	192.3	16,100				135
140													15.2	164.7	17,000	33.1	185.4	15,200	44.3	193.3	13,500	140
145																26.7	176.7	14,500	39.5	187.7	12,800	145
150																18.4	164.7	13,700	34.2	181.0	12,100	150
155																			28.1	172.8	11,500	155
160																			20.3	161.6	10,900	160
165																			6.6	140.7	10,300	165



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

140 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	75.2	246.6	70,100 *b																			35
40	72.2	245.1	68,600 *b																			40
45	69.2	243.4	66,700 *																			45
50	66.1	241.3	64,700 *																			50
55	62.9	238.9	62,500 *	70.7	243.2	63,900 *																55
60	59.7	236.2	60,200 *	67.6	241.3	60,900 *																60
65	56.3	233.1	55,600 *	64.4	239.0	56,400 *																65
70	52.8	229.5	50,200 *	61.2	236.5	51,600 *	65.9	239.0	50,500													70
75	49.1	225.4	45,600 *	57.9	233.5	47,500 *	62.8	236.6	46,300													75
80	45.2	220.8	41,600 *	54.5	230.2	43,900 *	59.5	233.8	42,700													80
85	41.0	215.4	38,200 *	50.9	226.4	40,800 *	56.1	230.7	39,600													85
90	36.4	209.2	35,200 *	47.1	222.0	38,000 *	52.6	227.1	36,800	60.9	232.2	33,600										90
95	31.2	201.7	32,500 *	43.0	217.0	35,600 *	48.9	223.0	34,400	57.6	229.3	31,300										95
100	25.2	192.4	30,000 *	38.6	211.2	33,400 *	45.0	218.3	32,200	54.1	225.9	29,300										100
105	17.2	179.5	27,200 *	33.8	204.4	31,400 *	40.7	212.9	30,200	50.5	222.0	27,500										105
110				28.2	196.1	29,600 *	36.1	206.6	28,400	46.6	217.6	25,900	55.4	223.3	23,300							110
115				21.4	185.2	28,000 *	30.9	199.1	26,800	42.6	212.5	24,400	51.8	219.7	22,000							115
120				11.1	168.1	25,900 *	24.8	189.6	25,400	38.1	206.6	23,000	48.1	215.4	20,700							120
125							16.7	176.5	24,000	33.2	199.7	21,800	44.1	210.6	19,600	52.9	215.9	17,400				125
130										27.6	191.1	20,600	39.8	205.1	18,600	49.2	211.9	16,500				130
135										20.5	179.9	19,600	35.1	198.5	17,600	45.3	207.3	15,600				135
140										9.4	161.2	18,600	29.7	190.7	16,700	41.1	201.9	14,800				140
145													23.3	180.6	15,900	36.5	195.7	14,100	46.0	202.4	12,300	145
150													14.5	166.0	15,100	31.4	188.3	13,400	41.9	197.2	11,700	150
155																25.3	179.0	12,700	37.4	191.2	11,100	155
160																17.5	166.2	12,100	32.4	184.0	10,500	160
165																			26.6	175.2	10,000	165
170																			19.3	163.4	9,500	170
175																			6.2	141.3	8,900	175

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**140 Ft. Boom, 110 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	73.9	255.6	63,200 *b																			40
45	71.2	254.0	61,500 *																			45
50	68.4	252.1	59,800 *																			50
55	65.6	250.0	57,700 *																			55
60	62.7	247.6	55,800 *	69.7	252.0	58,900 *																60
65	59.7	244.8	53,900 *	66.9	250.0	56,200 *																65
70	56.6	241.7	50,300 *	64.1	247.7	51,500 *																70
75	53.4	238.2	45,700 *	61.1	245.1	47,400 *	65.4	247.7	46,200													75
80	50.1	234.3	41,800 *	58.1	242.2	43,800 *	62.5	245.2	42,600													80
85	46.7	229.9	38,400 *	55.0	238.9	40,700 *	59.5	242.5	39,500													85
90	43.0	224.8	35,400 *	51.7	235.2	37,900 *	56.5	239.3	36,700													90
95	39.0	219.1	32,700 *	48.3	231.0	35,500 *	53.3	235.8	34,300	60.8	240.9	31,200										95
100	34.6	212.4	30,300 *	44.7	226.2	33,300 *	50.0	231.9	32,100	57.8	237.9	29,200										100
105	29.7	204.4	28,200 *	40.9	220.8	31,300 *	46.5	227.4	30,200	54.6	234.6	27,400										105
110	24.0	194.6	26,200 *	36.8	214.6	29,500 *	42.8	222.3	28,400	51.4	230.8	25,800										110
115	16.4	181.0	23,800 *	32.2	207.3	27,900 *	38.8	216.5	26,800	48.0	226.6	24,300	55.8	232.0	21,900							115
120				26.9	198.5	26,400 *	34.4	209.8	25,300	44.4	221.8	23,000	52.6	228.4	20,700							120
125				20.4	187.1	25,000 *	29.5	201.8	24,000	40.5	216.3	21,800	49.2	224.4	19,500							125
130				10.6	169.0	22,800 *	23.6	191.8	22,800	36.3	210.0	20,600	45.7	219.8	18,500							130
135							16.0	177.9	21,600	31.6	202.6	19,600	41.9	214.6	17,500	50.2	220.8	15,600				135
140										26.3	193.5	18,600	37.9	208.6	16,700	46.7	216.3	14,700				140
145										19.6	181.7	17,700	33.4	201.6	15,800	43.0	211.3	14,000				145
150										9.0	162.0	16,800	28.3	193.2	15,100	39.1	205.6	13,300	47.4	211.4	11,600	150
155													22.2	182.7	14,300	34.7	198.9	12,700	43.8	206.5	11,000	155
160													13.8	167.3	13,600	29.9	191.0	12,000	39.9	200.9	10,500	160
165																24.1	181.2	11,500	35.6	194.5	9,900	165
170																16.7	167.7	10,900	30.9	186.9	9,400	170
175																			25.4	177.5	9,000	175
180																			18.3	165.0	8,500	180



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

140 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.3	265.9	50,000 *b																			40
45	72.8	264.5	49,100 *																			45
50	70.3	262.8	48,300 *																			50
55	67.7	260.9	47,400 *																			55
60	65.1	258.7	46,700 *																			60
65	62.4	256.3	45,900 *	68.9	260.8	48,300 *																65
70	59.7	253.5	44,400 *	66.4	258.7	47,800 *																70
75	56.9	250.4	42,800 *	63.7	256.4	47,200 *	67.6	258.6	45,900													75
80	54.0	247.0	41,100 *	61.0	253.8	43,700 *	65.0	256.4	42,300													80
85	51.0	243.1	38,500 *	58.3	250.9	40,500 *	62.3	253.9	39,100													85
90	47.9	238.9	35,500 *	55.4	247.6	37,700 *	59.6	251.1	36,400													90
95	44.6	234.1	32,800 *	52.5	244.0	35,200 *	56.8	248.0	33,900													95
100	41.0	228.7	30,400 *	49.4	239.9	33,000 *	53.9	244.6	31,800	60.7	249.6	28,800										100
105	37.3	222.5	28,300 *	46.2	235.4	31,000 *	50.8	240.7	29,800	58.0	246.6	27,000										105
110	33.1	215.4	26,300 *	42.7	230.3	29,200 *	47.7	236.4	28,100	55.1	243.3	25,400										110
115	28.4	207.0	24,600 *	39.1	224.5	27,500 *	44.4	231.6	26,500	52.1	239.6	23,900										115
120	22.9	196.6	22,900 *	35.1	217.9	26,000 *	40.9	226.2	25,000	49.0	235.5	22,600	56.2	240.7	20,200							120
125	15.7	182.4	20,800 *	30.7	210.2	24,600 *	37.1	220.0	23,700	45.8	230.9	21,400	53.2	237.2	19,100							125
130				25.7	200.8	23,400 *	32.9	212.8	22,500	42.4	225.8	20,300	50.2	233.2	18,100							130
135				19.5	188.8	22,200 *	28.2	204.3	21,300	38.7	219.9	19,200	47.0	228.8	17,100							135
140				10.1	169.9	20,000 *	22.6	193.8	20,300	34.7	213.2	18,300	43.6	223.9	16,300	51.1	229.6	14,300				140
145							15.3	179.3	19,300	30.3	205.3	17,400	40.1	218.3	15,500	47.9	225.3	13,600				145
150										25.1	195.8	16,500	36.2	211.9	14,700	44.6	220.5	12,900				150
155										18.7	183.4	15,700	31.9	204.5	14,000	41.1	215.2	12,200				155
160										8.6	162.8	15,000	27.1	195.7	13,300	37.4	209.0	11,600	45.3	215.7	10,000	160
165													21.3	184.6	12,700	33.2	202.0	11,100	41.8	210.4	9,500	165
170													13.2	168.5	12,100	28.6	193.6	10,500	38.1	204.5	9,000	170
175																23.1	183.3	10,000	34.1	197.6	8,600	175
180																15.9	169.2	9,500	29.5	189.6	8,100	180
190																			17.6	166.6	7,300	190



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

140 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.1	274.9	46,100 *																			45
50	71.8	273.4	45,300 *																			50
55	69.5	271.6	44,600 *																			55
60	67.1	269.7	43,900 *																			60
65	64.7	267.4	42,600 *	70.6	271.4	45,000 *																65
70	62.3	264.9	41,000 *	68.3	269.6	44,500 *																70
75	59.7	262.2	39,500 *	65.9	267.5	43,700 *																75
80	57.2	259.1	38,000 *	63.4	265.1	42,200 *	67.0	267.3	42,000													80
85	54.5	255.7	36,600 *	60.9	262.5	40,100 *	64.6	265.1	38,900													85
90	51.7	251.9	35,200 *	58.4	259.5	37,300 *	62.1	262.6	36,100													90
95	48.9	247.8	32,700 *	55.8	256.3	34,900 *	59.6	259.8	33,700													95
100	45.9	243.2	30,300 *	53.1	252.7	32,600 *	57.0	256.7	31,500													100
105	42.7	238.1	28,200 *	50.2	248.8	30,600 *	54.4	253.3	29,600	60.7	258.2	26,700										105
110	39.4	232.3	26,200 *	47.3	244.4	28,800 *	51.6	249.5	27,800	58.1	255.3	25,100										110
115	35.7	225.8	24,500 *	44.2	239.5	27,200 *	48.7	245.4	26,200	55.5	252.0	23,700										115
120	31.8	218.3	22,900 *	41.0	234.1	25,700 *	45.7	240.7	24,800	52.8	248.4	22,300										120
125	27.3	209.5	21,400 *	37.5	228.0	24,300 *	42.6	235.6	23,500	49.9	244.4	21,100	56.5	249.4	18,800							125
130	22.0	198.6	20,000 *	33.7	221.0	23,000 *	39.2	229.8	22,200	47.0	240.0	20,000	53.8	245.9	17,800							130
135	15.1	183.7	18,200 *	29.5	212.9	21,800 *	35.6	223.2	21,100	43.9	235.0	19,000	51.0	242.1	16,900							135
140				24.7	203.1	20,800 *	31.6	215.7	20,100	40.6	229.5	18,000	48.1	237.8	16,000							140
145				18.7	190.5	19,500 *	27.1	206.8	19,100	37.1	223.3	17,100	45.1	233.1	15,200	51.8	238.4	13,300				145
150				9.7	170.8	17,600 *	21.7	195.8	18,200	33.3	216.3	16,300	41.9	227.8	14,400	48.9	234.2	12,600				150
155							14.7	180.6	17,300	29.0	208.0	15,500	38.4	221.9	13,700	46.0	229.7	12,000				155
160										24.1	198.0	14,800	34.7	215.1	13,100	42.8	224.5	11,400				160
165										18.0	185.0	14,100	30.7	207.3	12,400	39.4	218.8	10,800	46.5	224.8	9,200	165
170										8.3	163.5	13,400	26.0	198.1	11,900	35.8	212.3	10,300	43.4	219.8	8,700	170
175													20.4	186.4	11,300	31.9	204.9	9,800	40.1	214.2	8,300	175
180													12.7	169.6	10,800	27.4	196.1	9,300	36.6	207.9	7,900	180
190																15.3	170.5	8,400	28.4	192.1	7,100	190
200																			16.9	168.1	6,300	200



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

140 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.3	285.3	43,000 *																			45
50	73.2	283.9	42,300 *																			50
55	71.0	282.3	41,600 *																			55
60	68.9	280.4	40,600 *																			60
65	66.6	278.4	39,100 *																			65
70	64.4	276.1	37,600 *	69.9	280.3	41,300 *																70
75	62.1	273.6	36,100 *	67.7	278.3	40,000 *																75
80	59.8	270.8	34,700 *	65.5	276.2	38,600 *																80
85	57.4	267.8	33,300 *	63.2	273.8	37,200 *	66.5	276.1	38,500													85
90	54.9	264.4	32,000 *	60.9	271.1	35,900 *	64.3	273.8	35,700													90
95	52.4	260.7	30,700 *	58.5	268.2	34,400 *	62.0	271.2	33,300													95
100	49.7	256.7	29,500 *	56.1	265.0	32,200 *	59.6	268.5	31,200													100
105	47.0	252.2	27,900 *	53.6	261.5	30,200 *	57.2	265.4	29,200	63.0	269.6	26,300										105
110	44.1	247.3	26,000 *	51.0	257.6	28,300 *	54.8	262.0	27,500	60.6	266.9	24,700										110
115	41.1	241.9	24,300 *	48.3	253.3	26,700 *	52.2	258.3	25,900	58.3	263.9	23,300										115
120	37.9	235.8	22,700 *	45.5	248.7	25,200 *	49.6	254.2	24,400	55.8	260.7	22,000										120
125	34.4	229.0	21,300 *	42.6	243.5	23,800 *	46.8	249.8	23,100	53.3	257.1	20,700										125
130	30.6	221.1	19,900 *	39.4	237.7	22,500 *	44.0	244.8	21,900	50.7	253.2	19,600	56.7	258.1	17,400							130
135	26.3	211.9	18,700 *	36.1	231.3	21,400 *	40.9	239.4	20,800	48.0	248.9	18,600	54.2	254.7	16,500							135
140	21.2	200.5	17,500 *	32.5	223.9	20,300 *	37.7	233.3	19,800	45.2	244.2	17,700	51.7	250.9	15,600							140
145	14.6	185.0	15,900 *	28.4	215.4	19,300 *	34.2	226.4	18,800	42.2	239.0	16,800	49.0	246.7	14,800							145
150				23.8	205.2	18,100 *	30.4	218.5	17,900	39.1	233.2	16,000	46.2	242.2	14,000	52.4	247.2	12,200				150
155				18.0	192.1	17,000 *	26.1	209.2	17,100	35.7	226.6	15,200	43.3	237.1	13,300	49.8	243.1	11,500				155
160				9.4	171.6	15,400 *	20.9	197.7	16,300	32.1	219.2	14,500	40.3	231.5	12,700	47.1	238.7	11,000				160
165							14.1	181.8	15,500	28.0	210.5	13,800	37.0	225.3	12,100	44.2	233.8	10,400				165
170										23.2	200.1	13,100	33.4	218.2	11,500	41.2	228.4	9,900	47.6	233.8	8,300	170
175										17.3	186.6	12,500	29.5	210.0	10,900	38.0	222.3	9,400	44.8	229.0	7,900	175
180										8.0	164.2	11,900	25.1	200.3	10,400	34.5	215.5	8,900	41.8	223.7	7,400	180
190													12.2	170.7	9,500	26.4	198.5	8,100	35.2	211.1	6,700	190
200																14.7	171.9	7,300	27.3	194.6	6,000	200
210																			16.2	169.6	5,300	210

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**140 Ft. Boom, 150 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.3	294.3	39,500 *																			50
55	72.3	292.8	38,800 *																			55
60	70.3	291.1	37,500 *																			60
65	68.3	289.2	36,100 *																			65
70	66.2	287.1	34,700 *																			70
75	64.1	284.8	33,300 *	69.3	289.1	36,700 *																75
80	62.0	282.3	31,900 *	67.2	287.1	35,500 *																80
85	59.8	279.5	30,600 *	65.1	284.9	34,200 *																85
90	57.5	276.4	29,300 *	63.0	282.4	32,900 *	66.1	284.8	34,500 *													90
95	55.2	273.1	28,000 *	60.8	279.8	31,600 *	64.0	282.5	33,200													95
100	52.9	269.5	26,800 *	58.6	276.9	30,300 *	61.9	279.9	31,000													100
105	50.5	265.5	25,700 *	56.3	273.7	29,100 *	59.7	277.1	29,100													105
110	47.9	261.2	24,500 *	54.0	270.2	27,800 *	57.4	274.1	27,400	62.8	278.2	24,600										110
115	45.3	256.5	23,500 *	51.6	266.4	26,500 *	55.1	270.7	25,800	60.6	275.6	23,200										115
120	42.5	251.3	22,400 *	49.1	262.3	25,000 *	52.8	267.1	24,300	58.4	272.6	21,800										120
125	39.6	245.6	21,300 *	46.6	257.7	23,700 *	50.3	263.1	23,000	56.1	269.4	20,600										125
130	36.5	239.2	19,900 *	43.9	252.8	22,400 *	47.8	258.8	21,800	53.8	265.9	19,500										130
135	33.2	232.0	18,700 *	41.0	247.3	21,200 *	45.2	254.0	20,700	51.4	262.0	18,500	56.9	266.8	16,300							135
140	29.5	223.8	17,600 *	38.0	241.3	20,100 *	42.4	248.8	19,700	48.9	257.9	17,500	54.6	263.4	15,500							140
145	25.4	214.2	16,500 *	34.8	234.5	19,100 *	39.5	243.0	18,700	46.3	253.3	16,700	52.3	259.7	14,700							145
150	20.5	202.4	15,500 *	31.3	226.8	18,200 *	36.4	236.6	17,800	43.6	248.3	15,900	49.8	255.6	13,900							150
155	14.1	186.3	14,100 *	27.4	217.9	17,100 *	33.0	229.4	17,000	40.7	242.8	15,100	47.2	251.2	13,200	52.9	255.9	11,400				155
160				22.9	207.3	16,100 *	29.3	221.1	16,200	37.7	236.6	14,400	44.6	246.4	12,600	50.5	252.0	10,800				160
165				17.4	193.7	15,100 *	25.2	211.4	15,500	34.5	229.8	13,700	41.8	241.0	12,000	48.0	247.7	10,300				165
170				9.1	172.4	13,600 *	20.2	199.5	14,800	30.9	222.0	13,100	38.8	235.1	11,400	45.4	243.0	9,800				170
175							13.6	183.0	14,100	27.0	213.0	12,500	35.7	228.6	10,900	42.6	237.8	9,300				175
180										22.4	202.1	11,900	32.3	221.1	10,300	39.7	232.1	8,800	45.9	238.1	7,300	180
190										7.7	164.9	10,800	24.2	202.5	9,400	33.3	218.6	8,000	40.3	227.4	6,600	190
200													11.8	171.7	8,500	25.5	200.8	7,200	34.0	214.2	5,900	200
210																14.2	173.1	6,500	26.4	197.0	5,300	210
220																			15.7	171.0	4,700	220



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

140 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.3	304.7	36,000 *																			50
55	73.5	303.3	35,300 *																			55
60	71.6	301.7	34,300 *																			60
65	69.7	299.9	32,900 *																			65
70	67.8	298.0	31,600 *																			70
75	65.8	295.8	30,300 *	70.6	299.7	33,500 *																75
80	63.9	293.5	29,000 *	68.7	297.9	32,300 *																80
85	61.8	290.9	27,700 *	66.8	295.8	31,100 *																85
90	59.8	288.1	26,400 *	64.8	293.6	29,800 *	67.7	295.7	31,200 *													90
95	57.7	285.1	25,200 *	62.8	291.1	28,600 *	65.7	293.5	30,200 *													95
100	55.6	281.8	24,000 *	60.8	288.4	27,300 *	63.8	291.2	29,000 *													100
105	53.3	278.2	22,900 *	58.7	285.5	26,100 *	61.7	288.6	27,900 *													105
110	51.1	274.4	21,800 *	56.6	282.4	24,900 *	59.7	285.8	26,700 *													110
115	48.7	270.2	20,700 *	54.4	278.9	23,700 *	57.6	282.7	25,400	62.6	286.9	22,800										115
120	46.3	265.6	19,700 *	52.2	275.2	22,600 *	55.4	279.4	24,000	60.6	284.2	21,500										120
125	43.8	260.6	18,700 *	49.9	271.1	21,500 *	53.2	275.8	22,700	58.5	281.3	20,300										125
130	41.1	255.1	17,800 *	47.5	266.7	20,500 *	51.0	271.9	21,500	56.4	278.1	19,100										130
135	38.3	249.1	16,900 *	45.0	262.0	19,500 *	48.6	267.7	20,400	54.2	274.6	18,100										135
140	35.3	242.4	16,100 *	42.4	256.7	18,500 *	46.2	263.1	19,300	51.9	270.8	17,200	57.1	275.4	15,100							140
145	32.1	234.9	15,300 *	39.7	251.0	17,600 *	43.7	258.1	18,400	49.6	266.8	16,300	55.0	272.1	14,300							145
150	28.6	226.4	14,600 *	36.8	244.6	16,700 *	41.0	252.6	17,500	47.2	262.3	15,500	52.8	268.4	13,500							150
155	24.6	216.4	13,900 *	33.7	237.6	15,900 *	38.2	246.6	16,700	44.7	257.5	14,700	50.5	264.5	12,900							155
160	19.8	204.2	13,300 *	30.3	229.6	15,100 *	35.2	239.9	15,900	42.1	252.2	14,000	48.1	260.2	12,200							160
165	13.6	187.5	12,300 *	26.5	220.3	14,400 *	31.9	232.3	15,200	39.4	246.4	13,400	45.7	255.5	11,600	51.1	260.8	9,900				165
170				22.2	209.3	13,700 *	28.4	223.7	14,500	36.5	240.0	12,700	43.1	250.4	11,000	48.8	256.6	9,400				170
175				16.9	195.2	13,100 *	24.4	213.6	13,800	33.3	232.8	12,100	40.4	244.8	10,500	46.4	252.0	8,900				175
180				8.8	173.2	11,900 *	19.6	201.2	13,200 *	29.9	224.7	11,600	37.6	238.6	10,000	43.8	247.1	8,400				180
190										21.7	204.1	10,600	31.2	224.0	9,100	38.4	235.6	7,600	44.4	242.3	6,200	190
200										7.4	165.6	9,600	23.4	204.6	8,200	32.2	221.5	6,800	39.0	231.0	5,500	200
210													11.4	172.7	7,400	24.7	203.0	6,100	32.9	217.2	4,900	210
220																13.8	174.4	5,500	25.5	199.3	4,300	220



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

140 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.5	313.7	31,800 *																			55
60	72.7	312.2	31,200 *																			60
65	70.9	310.6	30,300 *																			65
70	69.1	308.7	29,000 *																			70
75	67.3	306.7	27,800 *																			75
80	65.5	304.6	26,500 *	70.0	308.6	29,100 *																80
85	63.6	302.2	25,300 *	68.2	306.7	28,400 *																85
90	61.7	299.6	24,100 *	66.4	304.6	27,300 *																90
95	59.8	296.8	22,900 *	64.5	302.3	26,100 *	67.2	304.4	27,400 *													95
100	57.8	293.8	21,800 *	62.6	299.8	24,900 *	65.4	302.2	26,400 *													100
105	55.8	290.5	20,700 *	60.7	297.1	23,800 *	63.5	299.8	25,300 *													105
110	53.8	287.0	19,600 *	58.8	294.2	22,600 *	61.6	297.2	24,200 *													110
115	51.6	283.2	18,600 *	56.8	291.0	21,500 *	59.7	294.4	23,100 *													115
120	49.5	279.1	17,600 *	54.7	287.6	20,400 *	57.7	291.4	22,000 *	62.4	295.6	21,200										120
125	47.2	274.6	16,700 *	52.7	284.0	19,400 *	55.7	288.1	21,000 *	60.5	292.9	20,000										125
130	44.9	269.8	15,800 *	50.5	280.0	18,400 *	53.6	284.6	19,900 *	58.6	289.9	18,900										130
135	42.4	264.5	15,000 *	48.3	275.7	17,400 *	51.5	280.7	18,900 *	56.6	286.8	17,900										135
140	39.9	258.8	14,100 *	46.0	271.1	16,500 *	49.3	276.6	17,900 *	54.5	283.3	16,900										140
145	37.1	252.5	13,400 *	43.6	266.0	15,600 *	47.1	272.1	17,000 *	52.4	279.6	16,000	57.3	284.1	14,000							145
150	34.3	245.6	12,600 *	41.1	260.5	14,700 *	44.7	267.3	16,100 *	50.3	275.6	15,200	55.3	280.8	13,300							150
155	31.1	237.8	11,900 *	38.5	254.5	13,900 *	42.3	262.0	15,200 *	48.0	271.3	14,500	53.2	277.2	12,600							155
160	27.7	228.9	11,100 *	35.7	247.9	13,100 *	39.7	256.3	14,400 *	45.7	266.6	13,800	51.1	273.3	11,900							160
165	23.8	218.6	10,200 *	32.7	240.5	12,400 *	37.0	250.0	13,600 *	43.3	261.5	13,100	48.9	269.1	11,300							165
170	19.2	205.9	9,400 *	29.4	232.2	11,600 *	34.1	243.0	12,800 *	40.8	256.0	12,500	46.6	264.6	10,800	51.7	269.6	9,100				170
175	13.2	188.7	8,700 *	25.7	222.6	10,700 *	31.0	235.1	12,100 *	38.2	249.9	11,900	44.2	259.6	10,200	49.5	265.5	8,600				175
180				21.5	211.2	9,900 *	27.5	226.2	11,200 *	35.4	243.2	11,300	41.7	254.3	9,700	47.3	261.1	8,100				180
190				8.5	174.0	8,400 *	19.0	202.9	9,500 *	29.0	227.4	10,300	36.4	241.9	8,800	42.5	251.0	7,300	47.7	256.1	5,900	190
200										21.1	205.9	9,400	30.3	226.7	8,000	37.2	239.0	6,600	43.0	246.3	5,200	200
210										7.2	166.2	8,500 *	22.7	206.7	7,200	31.2	224.3	5,900	37.8	234.5	4,600	210
220													11.1	173.7	6,500	23.9	205.2	5,300	31.8	220.1	4,000	220
230																13.4	175.6	4,700				230



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

150 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	68.9	225.2	86,700 *b																			35
40	64.5	223.0	81,400 *b																			40
45	59.8	220.4	76,400 *b																			45
50	55.0	217.2	71,900 *	67.4	223.4	71,400 *b																50
55	49.8	213.4	67,700 *	62.9	221.0	67,400 *b																55
60	44.2	208.7	61,700 *	58.2	218.2	62,200 *b	65.5	221.2	61,800 b													60
65	38.0	203.0	55,900 *	53.2	214.8	56,600 *	60.9	218.7	55,900 b													65
70	30.7	195.7	50,200 *	47.9	210.7	51,900 *	56.1	215.6	51,000													70
75	21.4	185.4	44,700 *	42.1	205.7	47,900 *	51.0	211.9	46,800													75
80				35.6	199.5	44,400 *	45.5	207.5	43,200	59.0	214.5	39,300 b										80
85				27.8	191.4	41,300 *	39.5	202.0	40,000	54.1	211.2	36,500										85
90				17.1	179.3	38,600 *	32.5	195.1	37,200	48.8	207.2	33,900										90
95							23.8	185.8	34,800	43.2	202.4	31,700	56.7	209.0	28,600							95
100							9.6	169.1	32,500	36.8	196.5	29,700	51.7	205.4	26,800							100
105										29.3	188.8	27,900	46.2	201.0	25,100							105
110										19.3	177.7	26,200	40.3	195.7	23,700							110
115													33.4	189.0	22,300	48.7	197.9	19,900				115
120													25.1	180.1	21,100	43.0	193.1	18,800				120
125													12.2	165.3	19,900	36.7	187.1	17,800				125
130																29.1	179.3	16,800	45.1	188.7	14,800	130
135																19.1	168.1	15,900	39.0	183.1	14,000	135
140																			31.9	176.1	13,300	140
145																			23.1	166.5	12,600	145
150																			7.5	148.2	11,900	150

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**150 Ft. Boom, 80 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	71.7	235.8	80,700 *b																			35
40	67.9	234.0	78,400 *b																			40
45	63.9	231.7	73,900 *b																			45
50	59.9	229.1	69,800 *	70.3	234.1	69,000 *b																50
55	55.6	225.9	66,000 *	66.5	232.1	65,400 *b																55
60	51.2	222.2	61,200 *	62.5	229.7	61,600 *																60
65	46.4	217.8	55,700 *	58.4	226.9	56,100 *	64.8	229.9	55,500 b													65
70	41.2	212.6	50,500 *	54.1	223.5	51,400 *	60.8	227.3	50,600													70
75	35.5	206.3	45,800 *	49.5	219.6	47,300 *	56.6	224.3	46,400													75
80	28.7	198.3	41,700 *	44.7	215.0	43,800 *	52.2	220.7	42,800													80
85	20.0	187.3	37,500 *	39.3	209.4	40,800 *	47.5	216.5	39,700	59.1	223.2	36,000										85
90				33.2	202.6	38,100 *	42.5	211.5	36,900	54.8	219.9	33,500										90
95				26.0	193.8	35,600 *	36.8	205.5	34,500	50.3	216.1	31,300										95
100				16.0	180.7	33,500 *	30.4	197.9	32,300	45.5	211.6	29,300	57.1	217.7	26,300							100
105							22.3	187.8	30,300	40.2	206.2	27,500	52.8	214.1	24,700							105
110							8.9	169.9	28,500	34.3	199.7	25,900	48.1	210.0	23,200							110
115										27.3	191.3	24,400	43.1	205.1	21,900							115
120										18.0	179.3	23,000	37.6	199.2	20,700	50.2	206.8	18,300				120
125													31.2	191.9	19,500	45.4	202.3	17,300				125
130													23.4	182.2	18,500	40.1	196.9	16,400				130
135													11.4	166.3	17,500	34.2	190.3	15,500	47.1	197.7	13,500	135
140																27.2	181.8	14,700	42.0	192.6	12,800	140
145																17.8	169.8	13,900	36.4	186.5	12,200	145
150																			29.8	178.8	11,500	150
155																			21.6	168.5	10,900	155
160																			7.0	148.8	10,300	160



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

150 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	73.8	246.3	73,800 *b																			35
40	70.4	244.7	73,600 *b																			40
45	67.0	242.7	71,400 *																			45
50	63.5	240.4	67,700 *																			50
55	59.9	237.7	64,200 *	69.2	242.9	63,500 *b																55
60	56.1	234.6	60,900 *	65.8	240.8	60,400 *																60
65	52.2	231.0	55,400 *	62.2	238.4	55,700 *	67.8	240.8	55,200 b													65
70	48.1	226.8	50,600 *	58.6	235.5	51,000 *	64.3	238.6	50,300													70
75	43.6	221.9	46,000 *	54.8	232.3	47,000 *	60.7	236.0	46,100													75
80	38.8	216.2	41,900 *	50.8	228.5	43,500 *	57.0	233.0	42,500													80
85	33.4	209.4	38,400 *	46.5	224.1	40,400 *	53.1	229.5	39,400	62.9	234.6	35,700										85
90	27.0	200.8	35,300 *	42.0	218.9	37,700 *	49.0	225.4	36,700	59.2	231.9	33,200										90
95	18.9	189.0	32,000 *	37.0	212.9	35,300 *	44.6	220.8	34,300	55.4	228.6	31,000										95
100				31.3	205.5	33,100 *	39.9	215.3	32,100	51.5	224.9	29,000										100
105				24.5	196.0	31,200 *	34.7	208.7	30,100	47.3	220.7	27,300	57.5	226.3	24,400							105
110				15.1	182.1	29,400 *	28.6	200.6	28,400	42.8	215.7	25,600	53.6	222.9	22,900							110
115							21.0	189.7	26,800	37.9	209.8	24,200	49.5	218.9	21,600							115
120							8.4	170.7	25,300	32.3	202.6	22,900	45.2	214.3	20,400							120
125										25.7	193.6	21,600	40.5	208.9	19,300	51.4	215.6	17,000				125
130										17.0	180.9	20,500	35.3	202.5	18,300	47.2	211.3	16,100				130
135													29.4	194.6	17,300	42.7	206.3	15,300				135
140													22.1	184.3	16,400	37.8	200.4	14,500				140
145													10.8	167.3	15,600	32.2	193.2	13,700	44.3	201.9	11,900	145
150																25.6	184.2	13,000	39.5	196.4	11,300	150
155																16.8	171.3	12,400	34.2	189.7	10,700	155
160																			28.1	181.4	10,100	160
165																			20.3	170.3	9,600	165
170																			6.6	149.4	9,100	170



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

150 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	75.4	256.7	68,000 *b																			35
40	72.4	255.2	67,400 *b																			40
45	69.4	253.5	65,700 *																			45
50	66.3	251.4	63,900 *																			50
55	63.2	249.1	62,100 *																			55
60	59.9	246.4	59,100 *	68.3	251.7	58,400 *																60
65	56.5	243.3	54,900 *	65.2	249.5	55,200 *																65
70	53.0	239.7	50,200 *	62.0	247.0	50,500 *	67.0	249.6	49,900													70
75	49.3	235.7	45,900 *	58.7	244.2	46,500 *	63.9	247.3	45,700													75
80	45.4	231.1	41,900 *	55.3	241.0	43,000 *	60.6	244.7	42,200													80
85	41.3	225.8	38,400 *	51.7	237.3	39,900 *	57.3	241.7	39,100													85
90	36.7	219.7	35,400 *	48.0	233.1	37,200 *	53.8	238.2	36,300	62.6	243.3	32,800										90
95	31.6	212.3	32,700 *	44.0	228.2	34,800 *	50.2	234.3	33,900	59.3	240.5	30,600										95
100	25.6	203.1	30,200 *	39.7	222.6	32,600 *	46.3	229.9	31,700	55.9	237.3	28,600										100
105	17.9	190.6	27,500 *	35.0	216.1	30,700 *	42.2	224.7	29,800	52.4	233.7	26,800										105
110				29.6	208.2	28,900 *	37.8	218.8	28,100	48.7	229.6	25,300	57.7	235.0	22,500							110
115				23.2	198.1	27,300 *	32.8	211.7	26,500	44.7	224.9	23,800	54.3	231.6	21,200							115
120				14.3	183.4	25,800 *	27.1	203.0	25,000	40.5	219.5	22,500	50.6	227.8	20,000							120
125							19.9	191.5	23,700	35.8	213.1	21,300	46.8	223.4	18,900							125
130							8.0	171.4	22,400	30.6	205.5	20,200	42.8	218.4	17,900	52.3	224.4	15,600				130
135										24.4	195.9	19,100	38.4	212.5	16,900	48.6	220.3	14,800				135
140										16.1	182.3	18,100	33.5	205.6	16,100	44.6	215.5	14,000				140
145													27.9	197.2	15,300	40.4	210.1	13,300				145
150													20.9	186.2	14,500	35.7	203.7	12,600	46.0	211.1	10,800	150
155													10.2	168.2	13,800	30.5	196.0	12,000	41.9	205.9	10,200	155
160																24.3	186.4	11,400	37.4	199.8	9,700	160
165																15.9	172.7	10,800	32.4	192.7	9,200	165
170																			26.6	183.9	8,700	170
175																			19.3	172.0	8,300	175
180																			6.2	149.9	7,800	180



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

150 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.1	265.7	62,100 *b																			40
45	71.4	264.1	60,500 *																			45
50	68.6	262.3	59,000 *																			50
55	65.8	260.2	57,200 *																			55
60	62.9	257.8	54,900 *	70.4	262.4	56,400 *																60
65	59.9	255.0	52,400 *	67.6	260.4	54,100 *																65
70	56.8	252.0	49,800 *	64.8	258.2	50,300 *																70
75	53.7	248.5	46,000 *	61.8	255.7	46,300 *	66.4	258.3	45,600													75
80	50.4	244.6	42,000 *	58.8	252.9	42,800 *	63.5	256.0	42,100													80
85	46.9	240.2	38,600 *	55.7	249.7	39,800 *	60.6	253.3	39,000													85
90	43.2	235.2	35,600 *	52.5	246.0	37,100 *	57.5	250.3	36,200													90
95	39.3	229.5	32,900 *	49.2	242.0	34,700 *	54.4	246.9	33,800	62.3	252.0	30,500										95
100	35.0	222.9	30,500 *	45.6	237.4	32,500 *	51.1	243.1	31,700	59.4	249.2	28,500										100
105	30.1	215.0	28,400 *	41.9	232.2	30,600 *	47.7	238.9	29,800	56.3	246.0	26,800										105
110	24.4	205.3	26,400 *	37.8	226.2	28,800 *	44.1	234.0	28,000	53.1	242.5	25,200										110
115	17.1	192.1	24,100 *	33.3	219.2	27,200 *	40.2	228.5	26,400	49.8	238.5	23,700	57.9	243.7	21,100							115
120				28.2	210.8	25,700 *	36.0	222.1	25,000	46.3	234.0	22,400	54.8	240.3	19,900							120
125				22.1	200.1	24,400 *	31.3	214.6	23,700	42.5	228.9	21,200	51.5	236.6	18,800							125
130				13.6	184.6	23,100 *	25.8	205.4	22,400	38.5	223.0	20,100	48.1	232.4	17,800							130
135							19.0	193.3	21,300	34.1	216.2	19,100	44.5	227.6	16,900	53.0	233.2	14,700				135
140							7.6	172.1	20,200	29.2	208.1	18,100	40.7	222.2	16,000	49.7	229.2	14,000				140
145										23.3	198.0	17,200	36.5	215.9	15,200	46.2	224.7	13,200				145
150										15.4	183.7	16,400	31.9	208.5	14,500	42.5	219.5	12,600				150
155													26.5	199.6	13,800	38.4	213.7	11,900	47.4	220.1	10,200	155
160													19.9	188.0	13,100	34.0	206.8	11,400	43.8	215.2	9,600	160
165													9.8	169.1	12,500	29.1	198.7	10,800	39.9	209.6	9,100	165
170																23.1	188.5	10,300	35.6	203.1	8,700	170
175																15.2	174.1	9,800	30.9	195.5	8,200	175
180																			25.4	186.2	7,800	180
190																			5.9	150.5	7,000	190

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**150 Ft. Boom, 120 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.4	276.0	49,100 *b																			40
45	73.0	274.6	48,200 *																			45
50	70.4	272.9	47,400 *																			50
55	67.9	271.0	46,600 *																			55
60	65.3	268.9	45,900 *																			60
65	62.6	266.4	45,200 *	69.6	271.2	47,500 *																65
70	59.9	263.7	44,300 *	67.0	269.2	47,000 *																70
75	57.1	260.6	42,700 *	64.4	266.9	46,200 *																75
80	54.2	257.2	41,100 *	61.7	264.4	42,700 *	65.9	267.0	41,700													80
85	51.2	253.4	38,800 *	58.9	261.5	39,600 *	63.2	264.7	38,600													85
90	48.1	249.2	35,700 *	56.1	258.3	36,800 *	60.5	262.0	35,900													90
95	44.8	244.4	33,000 *	53.2	254.8	34,400 *	57.8	259.0	33,500													95
100	41.3	239.1	30,600 *	50.1	250.8	32,200 *	54.9	255.7	31,300	62.1	260.6	28,100										100
105	37.5	233.0	28,400 *	47.0	246.4	30,300 *	51.9	251.9	29,400	59.4	257.8	26,400										105
110	33.4	226.0	26,500 *	43.6	241.5	28,500 *	48.8	247.8	27,700	56.6	254.7	24,800										110
115	28.8	217.7	24,700 *	40.0	235.9	26,900 *	45.6	243.2	26,100	53.7	251.2	23,300										115
120	23.4	207.5	23,000 *	36.1	229.5	25,400 *	42.1	238.0	24,700	50.7	247.4	22,000										120
125	16.3	193.6	21,100 *	31.9	222.1	24,000 *	38.4	232.1	23,400	47.5	243.0	20,800	55.2	249.0	18,400							125
130				27.0	213.2	22,800 *	34.4	225.3	22,100	44.2	238.2	19,700	52.3	245.4	17,400							130
135				21.2	202.0	21,600 *	29.9	217.3	21,000	40.6	232.7	18,700	49.2	241.3	16,500							135
140				13.0	185.8	20,600 *	24.7	207.6	20,000	36.8	226.5	17,800	46.0	236.7	15,600							140
145							18.2	194.9	19,000	32.6	219.2	16,900	42.5	231.6	14,800	50.6	238.0	12,800				145
150							7.3	172.7	18,100	27.9	210.7	16,100	38.9	225.8	14,100	47.4	233.7	12,100				150
155										22.2	200.0	15,300	34.9	219.1	13,400	44.1	228.8	11,500				155
160										14.7	185.0	14,600	30.5	211.3	12,800	40.6	223.3	10,900				160
165													25.4	201.9	12,100	36.7	217.1	10,400	45.3	224.4	8,700	165
170													19.1	189.7	11,600	32.5	209.8	9,900	41.8	219.1	8,200	170
175													9.3	169.9	11,000	27.8	201.2	9,400	38.1	213.1	7,800	175
180																22.1	190.5	8,900	34.1	206.3	7,400	180
190																			24.3	188.4	6,600	190
200																			5.7	151.0	5,900	200



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

150 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.3	285.0	45,300 *																			45
50	72.0	283.5	44,500 *																			50
55	69.7	281.8	43,800 *																			55
60	67.3	279.8	43,200 *																			60
65	64.9	277.6	42,300 *																			65
70	62.4	275.1	40,900 *	68.8	280.0	43,800 *																70
75	59.9	272.4	39,400 *	66.5	277.9	43,400 *																75
80	57.3	269.3	37,900 *	64.0	275.6	42,300 *	67.8	277.9	41,400													80
85	54.7	265.9	36,500 *	61.6	273.0	39,200 *	65.4	275.7	38,300													85
90	51.9	262.2	35,200 *	59.0	270.2	36,500 *	63.0	273.3	35,600													90
95	49.1	258.1	32,900 *	56.4	267.0	34,000 *	60.5	270.6	33,200													95
100	46.1	253.5	30,500 *	53.7	263.5	31,900 *	57.9	267.7	31,100													100
105	42.9	248.4	28,300 *	50.9	259.7	29,900 *	55.3	264.4	29,200	62.0	269.3	26,100										105
110	39.6	242.7	26,400 *	48.0	255.4	28,100 *	52.6	260.7	27,400	59.5	266.5	24,500										110
115	36.0	236.3	24,600 *	45.0	250.7	26,500 *	49.7	256.7	25,900	56.9	263.4	23,100										115
120	32.1	228.9	23,000 *	41.8	245.4	25,000 *	46.8	252.2	24,400	54.2	260.0	21,800										120
125	27.6	220.2	21,500 *	38.4	239.4	23,700 *	43.7	247.3	23,100	51.4	256.2	20,600										125
130	22.4	209.5	20,100 *	34.7	232.7	22,400 *	40.4	241.7	21,900	48.5	252.0	19,500	55.6	257.7	17,100							130
135	15.7	195.0	18,400 *	30.6	224.9	21,300 *	36.8	235.5	20,800	45.5	247.3	18,500	52.9	254.1	16,200							135
140				25.9	215.6	20,200 *	33.0	228.3	19,800	42.4	242.1	17,500	50.1	250.2	15,300							140
145				20.3	203.9	19,200 *	28.7	219.9	18,800	39.0	236.3	16,700	47.1	245.8	14,600							145
150				12.5	186.9	18,300 *	23.7	209.8	17,900	35.3	229.7	15,900	44.1	240.9	13,800	51.4	246.8	11,800				150
155							17.4	196.5	17,100	31.3	222.1	15,100	40.8	235.4	13,100	48.5	242.6	11,200				155
160							7.0	173.4	16,200	26.8	213.1	14,400	37.3	229.2	12,500	45.5	238.0	10,700				160
165										21.4	201.9	13,700	33.5	222.2	11,900	42.3	232.8	10,100				165
170										14.1	186.3	13,100	29.3	214.0	11,300	38.9	226.9	9,600	46.5	233.4	7,900	170
175													24.4	204.1	10,800	35.3	220.3	9,100	43.4	228.4	7,500	175
180													18.3	191.3	10,300	31.2	212.7	8,700	40.1	222.8	7,100	180
190																21.3	192.4	7,800	32.7	209.3	6,400	190
200																			23.3	190.5	5,700	200
210																			5.5	151.5	5,000	210

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**150 Ft. Boom, 140 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.5	295.4	42,300 *																			45
50	73.3	294.0	41,600 *																			50
55	71.2	292.4	40,900 *																			55
60	69.0	290.6	40,300 *																			60
65	66.8	288.5	38,900 *																			65
70	64.6	286.3	37,500 *	70.4	290.6	40,600 *																70
75	62.3	283.8	36,000 *	68.2	288.8	40,000 *																75
80	59.9	281.0	34,700 *	66.0	286.6	38,700 *																80
85	57.5	278.0	33,300 *	63.8	284.3	37,400 *	67.3	286.7	37,900													85
90	55.1	274.6	32,000 *	61.4	281.7	36,000 *	65.1	284.5	35,200													90
95	52.5	271.0	30,700 *	59.1	278.9	33,500 *	62.8	282.0	32,800													95
100	49.9	267.0	29,500 *	56.7	275.7	31,400 *	60.5	279.3	30,700													100
105	47.2	262.6	28,100 *	54.2	272.3	29,400 *	58.1	276.3	28,800													105
110	44.3	257.7	26,200 *	51.6	268.5	27,600 *	55.6	273.1	27,100	61.8	278.0	24,100										110
115	41.3	252.3	24,400 *	49.0	264.3	26,000 *	53.1	269.5	25,500	59.5	275.2	22,700										115
120	38.1	246.3	22,800 *	46.2	259.8	24,500 *	50.5	265.5	24,100	57.1	272.1	21,400										120
125	34.7	239.5	21,400 *	43.3	254.7	23,200 *	47.8	261.2	22,800	54.6	268.7	20,200										125
130	30.9	231.7	20,000 *	40.2	249.1	21,900 *	45.0	256.5	21,600	52.1	265.0	19,100										130
135	26.6	222.6	18,800 *	36.9	242.9	20,800 *	42.0	251.2	20,500	49.4	260.9	18,100	55.9	266.4	15,800							135
140	21.6	211.4	17,600 *	33.4	235.8	19,700 *	38.9	245.3	19,400	46.7	256.4	17,200	53.4	262.9	14,900							140
145	15.1	196.4	16,100 *	29.4	227.6	18,700 *	35.5	238.7	18,500	43.8	251.4	16,300	50.8	259.0	14,100							145
150				25.0	217.8	17,800 *	31.8	231.2	17,600	40.7	245.9	15,500	48.1	254.7	13,400							150
155				19.6	205.6	17,000 *	27.6	222.4	16,800	37.5	239.8	14,700	45.3	250.0	12,700	52.0	255.6	10,800				155
160				12.1	188.0	16,100 *	22.8	211.8	16,000	34.0	232.8	14,000	42.4	244.8	12,100	49.4	251.5	10,200				160
165							16.8	198.0	15,300 *	30.1	224.8	13,400	39.3	239.0	11,500	46.6	247.0	9,700				165
170							6.8	174.0	14,500	25.8	215.4	12,800	35.9	232.5	11,000	43.7	242.1	9,200				170
175										20.6	203.8	12,200	32.2	225.1	10,400	40.7	236.6	8,700	47.6	242.4	7,100	175
180										13.6	187.5	11,600	28.2	216.6	9,900	37.4	230.4	8,300	44.8	237.6	6,700	180
190													17.6	192.9	9,000	30.1	215.4	7,500	38.6	226.4	6,000	190
200																20.5	194.2	6,700	31.5	212.2	5,300	200
210																			22.4	192.5	4,700	210
220																			5.3	151.9	4,100	220



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

150 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.5	304.4	38,600 *																			50
55	72.5	302.9	37,800 *																			55
60	70.5	301.2	37,000 *																			60
65	68.4	299.4	35,800 *																			65
70	66.4	297.3	34,500 *																			70
75	64.3	295.0	33,200 *	69.8	299.5	36,700 *																75
80	62.1	292.4	31,900 *	67.7	297.5	35,500 *																80
85	59.9	289.7	30,600 *	65.6	295.4	34,300 *																85
90	57.7	286.7	29,300 *	63.5	293.0	33,100 *	66.8	295.4	34,600 *													90
95	55.4	283.3	28,100 *	61.4	290.4	31,800 *	64.7	293.2	32,700													95
100	53.1	279.7	26,900 *	59.2	287.5	30,600 *	62.6	290.7	30,600													100
105	50.6	275.8	25,700 *	56.9	284.4	29,200 *	60.4	288.0	28,700													105
110	48.1	271.5	24,600 *	54.6	281.0	27,500 *	58.2	285.0	27,000													110
115	45.5	266.8	23,600 *	52.2	277.3	25,900 *	55.9	281.8	25,400	61.7	286.6	22,500										115
120	42.7	261.7	22,600 *	49.8	273.2	24,400 *	53.6	278.2	24,000	59.5	283.8	21,300										120
125	39.8	256.0	21,400 *	47.2	268.8	23,000 *	51.2	274.4	22,700	57.3	280.7	20,100										125
130	36.8	249.7	20,000 *	44.5	263.9	21,800 *	48.7	270.2	21,500	55.0	277.4	19,000										130
135	33.4	242.5	18,800 *	41.7	258.6	20,600 *	46.1	265.6	20,400	52.6	273.7	18,000										135
140	29.8	234.4	17,700 *	38.8	252.7	19,600 *	43.4	260.5	19,300	50.2	269.7	17,100	56.2	275.1	14,800							140
145	25.7	224.9	16,600 *	35.6	246.1	18,600 *	40.5	255.0	18,400	47.6	265.4	16,200	53.9	271.6	14,000							145
150	20.9	213.3	15,600 *	32.2	238.7	17,700 *	37.5	248.8	17,500 *	45.0	260.6	15,400	51.5	267.8	13,300							150
155	14.6	197.7	14,300 *	28.4	230.1	16,800 *	34.2	241.9	16,700 *	42.2	255.4	14,600	49.0	263.7	12,600							155
160				24.1	220.0	16,000 *	30.7	234.0	15,900 *	39.3	249.6	14,000	46.4	259.1	12,000	52.6	264.4	10,100				160
165				18.9	207.3	15,300 *	26.7	224.9	15,100 *	36.2	243.1	13,300	43.7	254.1	11,400	50.1	260.4	9,600				165
170				11.6	189.0	14,300 *	22.1	213.8	14,400 *	32.8	235.8	12,700	40.9	248.6	10,900	47.6	256.0	9,100				170
175							16.2	199.4	13,700 *	29.1	227.5	12,100	37.9	242.5	10,300	44.9	251.3	8,600				175
180							6.5	174.6	13,100 *	24.9	217.7	11,500	34.6	235.7	9,800	42.2	246.0	8,200				180
190										13.2	188.7	10,500	27.2	219.0	8,900	36.1	233.7	7,400	43.2	241.7	5,900	190
200													17.0	194.4	8,100	29.0	218.1	6,600	37.2	229.9	5,200	200
210																19.8	196.0	6,000	30.4	214.9	4,600	210
220																			21.7	194.4	4,100	220

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**150 Ft. Boom, 160 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.5	314.7	34,700 *																			50
55	73.6	313.4	34,100 *																			55
60	71.7	311.8	33,400 *																			60
65	69.8	310.1	32,700 *																			65
70	67.9	308.1	31,500 *																			70
75	66.0	306.0	30,200 *																			75
80	64.0	303.7	28,900 *	69.2	308.3	32,300 *																80
85	62.0	301.1	27,700 *	67.2	306.3	31,200 *																85
90	59.9	298.3	26,500 *	65.3	304.1	30,000 *																90
95	57.8	295.3	25,200 *	63.3	301.7	28,800 *	66.4	304.1	30,400 *													95
100	55.7	292.0	24,100 *	61.3	299.0	27,600 *	64.4	301.8	29,300 *													100
105	53.5	288.5	23,000 *	59.2	296.2	26,400 *	62.4	299.3	28,200 *													105
110	51.2	284.6	21,900 *	57.1	293.1	25,200 *	60.4	296.6	26,600													110
115	48.9	280.5	20,800 *	54.9	289.7	24,100 *	58.3	293.7	25,000													115
120	46.5	275.9	19,800 *	52.7	286.0	23,000 *	56.2	290.4	23,600	61.6	295.3	20,900										120
125	44.0	270.9	18,800 *	50.4	282.1	21,900 *	54.0	287.0	22,300	59.6	292.5	19,700										125
130	41.3	265.5	17,900 *	48.1	277.8	20,800 *	51.8	283.2	21,100 *	57.5	289.4	18,600										130
135	38.5	259.5	17,100 *	45.6	273.1	19,800 *	49.4	279.1	20,000 *	55.3	286.1	17,600										135
140	35.6	252.9	16,200 *	43.1	268.0	18,800 *	47.0	274.6	18,900 *	53.1	282.5	16,700										140
145	32.4	245.5	15,400 *	40.4	262.4	17,900 *	44.5	269.7	18,000 *	50.8	278.6	15,800	56.5	283.8	13,600							145
150	28.8	237.0	14,700 *	37.5	256.2	17,000 *	41.9	264.4	17,000 *	48.5	274.3	15,000	54.3	280.4	12,900							150
155	24.9	227.2	14,000 *	34.5	249.3	16,200 *	39.2	258.6	16,200 *	46.0	269.7	14,300	52.0	276.6	12,200							155
160	20.2	215.1	13,400 *	31.2	241.5	15,400 *	36.3	252.1	15,400 *	43.5	264.7	13,600	49.7	272.5	11,600							160
165	14.1	198.9	12,400 *	27.5	232.6	14,700 *	33.1	244.9	14,600 *	40.8	259.1	12,900	47.3	268.1	11,000							165
170				23.3	222.1	14,000 *	29.7	236.7	13,900 *	38.0	253.1	12,300	44.9	263.3	10,500	50.8	269.2	8,700				170
175				18.3	209.0	13,400 *	25.8	227.2	13,300 *	35.0	246.3	11,800	42.3	258.1	10,000	48.4	265.0	8,200				175
180				11.3	190.0	12,500 *	21.3	215.7	12,700 *	31.7	238.7	11,200	39.5	252.3	9,500	46.0	260.4	7,800				180
190							6.3	175.1	11,500 *	24.1	219.8	10,200	33.5	238.8	8,600	40.8	249.8	7,000	46.9	255.8	5,400	190
200										12.7	189.8	9,300	26.3	221.4	7,800	34.9	236.9	6,300	41.7	245.6	4,800	200
210													16.5	195.9	7,000	28.1	220.6	5,600	36.0	233.2	4,200	210
220																19.1	197.7	5,000				220



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

150 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.6	323.8	29,600 *																55
60	72.8	322.3	28,400 *																60
65	71.1	320.7	27,200 *																65
70	69.3	318.9	26,000 *																70
75	67.5	316.9	24,900 *																75
80	65.6	314.7	23,700 *	70.4	318.9	26,800 *													80
85	63.8	312.3	22,700 *	68.6	317.1	25,800 *													85
90	61.9	309.8	21,600 *	66.8	315.0	24,700 *													90
95	59.9	307.0	20,500 *	65.0	312.8	23,600 *													95
100	58.0	304.0	19,500 *	63.1	310.3	22,500 *	66.0	312.9	24,100 *										100
105	56.0	300.7	18,600 *	61.2	307.7	21,500 *	64.2	310.5	23,100 *										105
110	53.9	297.2	17,600 *	59.3	304.8	20,500 *	62.3	308.0	22,100 *										110
115	51.8	293.4	16,800 *	57.3	301.7	19,500 *	60.4	305.3	21,100 *										115
120	49.6	289.3	15,900 *	55.2	298.4	18,500 *	58.4	302.3	20,100 *										120
125	47.4	284.9	15,100 *	53.2	294.8	17,600 *	56.4	299.1	19,200 *	61.5	304.0	19,500							125
130	45.0	280.1	14,300 *	51.0	290.9	16,700 *	54.4	295.7	18,200 *	59.6	301.1	18,400							130
135	42.6	274.9	13,500 *	48.8	286.7	15,900 *	52.3	292.0	17,300 *	57.6	298.1	17,400							135
140	40.0	269.2	12,800 *	46.6	282.2	15,000 *	50.1	287.9	16,400 *	55.6	294.8	16,500							140
145	37.3	263.0	12,100 *	44.2	277.2	14,200 *	47.9	283.6	15,600 *	53.5	291.2	15,600							145
150	34.5	256.1	11,500 *	41.7	271.8	13,500 *	45.6	278.9	14,800 *	51.4	287.4	14,800	56.7	292.5	12,700				150
155	31.4	248.3	10,700 *	39.1	266.0	12,800 *	43.1	273.8	14,000 *	49.2	283.2	14,100	54.6	289.1	12,000				155
160	28.0	239.6	9,900 *	36.4	259.5	12,100 *	40.6	268.2	13,300 *	46.9	278.8	13,400	52.5	285.4	11,400				160
165	24.1	229.3	9,200 *	33.4	252.3	11,400 *	38.0	262.1	12,600 *	44.6	273.9	12,700	50.4	281.4	10,800				165
170	19.6	216.9	8,500 *	30.2	244.3	10,600 *	35.1	255.3	11,900 *	42.1	268.6	12,100	48.2	277.1	10,200				170
175	13.7	200.1	7,900 *	26.7	235.0	9,800 *	32.1	247.8	11,100 *	39.6	262.8	11,500	45.9	272.4	9,700	51.4	278.1	8,000	175
180				22.6	224.1	9,100 *	28.8	239.3	10,300 *	36.8	256.5	11,000	43.5	267.4	9,200	49.2	273.9	7,500	180
190				10.9	191.0	7,700 *	20.7	217.6	8,800 *	30.8	241.5	10,000	38.3	255.8	8,300	44.5	264.5	6,700	190
200							6.1	175.7	7,500 *	23.4	221.9	9,100	32.5	241.7	7,500	39.5	253.4	6,000	200
210										12.4	190.9	8,000 *	25.5	223.7	6,800	33.9	240.0	5,400	210
220													16.0	197.3	6,100	27.2	223.1	4,800	220
230																18.6	199.4	4,200	230



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

160 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	69.2	235.3	83,200 *b																			35
40	64.8	233.2	78,300 *b																			40
45	60.2	230.6	73,700 *b																			45
50	55.3	227.4	69,600 *	68.5	233.8	68,300 *b																50
55	50.2	223.6	65,600 *	64.0	231.6	64,600 *b																55
60	44.6	219.0	60,800 *	59.3	228.9	60,700 *b	67.1	231.8	58,900 *b													60
65	38.5	213.4	55,300 *	54.5	225.6	55,300 *	62.5	229.5	54,900 *b													65
70	31.3	206.2	50,600 *	49.3	221.7	50,700 *	57.8	226.6	50,300 *													70
75	22.2	196.3	45,200 *	43.6	216.9	46,800 *	52.8	223.1	46,200													75
80	4.2	175.0	32,600 *	37.3	211.1	43,300 *	47.5	219.0	42,600	61.4	225.7	38,500 b										80
85				29.9	203.5	40,300 *	41.7	213.9	39,500	56.7	222.7	35,700										85
90				20.2	192.8	37,700 *	35.1	207.6	36,800	51.6	219.1	33,200										90
95							27.1	199.3	34,400	46.2	214.7	31,000										95
100							16.0	186.6	32,200	40.2	209.4	29,100	55.2	217.3	25,900							100
105										33.3	202.7	27,300	50.0	213.5	24,300							105
110										24.9	193.7	25,700	44.4	208.9	22,900							110
115										12.0	178.7	24,200	38.2	203.2	21,600							115
120													31.0	195.9	20,400	47.9	206.3	17,900				120
125													21.8	185.9	19,300	42.1	201.3	16,900				125
130													0.9	161.0	18,100	35.6	195.1	16,000				130
135																27.8	187.0	15,200	45.1	197.3	13,100	135
140																17.0	174.8	14,400	39.0	191.8	12,400	140
145																			31.9	184.7	11,700	145
150																			23.1	175.1	11,100	150
155																			7.5	156.8	10,500	155



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

160 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	71.9	245.9	77,700 *b																			35
40	68.1	244.1	75,400 *b																			40
45	64.2	241.9	71,300 *b																			45
50	60.2	239.3	67,500 *																			50
55	55.9	236.1	64,000 *	67.4	242.5	62,600 *b																55
60	51.5	232.5	60,300 *	63.5	240.3	59,400 *																60
65	46.8	228.1	54,800 *	59.4	237.5	54,700 *	66.2	240.5	54,200 *b													65
70	41.6	223.0	50,200 *	55.2	234.3	50,100 *	62.2	238.1	49,700 *													70
75	35.9	216.8	46,100 *	50.7	230.5	46,200 *	58.1	235.3	45,800 *													75
80	29.2	208.9	42,000 *	45.9	226.1	42,800 *	53.8	231.9	42,300													80
85	20.7	198.2	37,900 *	40.7	220.8	39,800 *	49.2	227.9	39,200	61.3	234.3	35,200										85
90	3.9	175.3	28,500 *	34.8	214.3	37,100 *	44.3	223.2	36,500	57.1	231.4	32,800										90
95				27.9	206.1	34,700 *	38.9	217.5	34,000	52.7	227.8	30,600										95
100				18.9	194.6	32,600 *	32.7	210.6	31,900	48.1	223.7	28,600										100
105							25.4	201.6	29,900	43.0	218.8	26,900	55.8	226.0	23,900							105
110							15.0	188.0	28,200	37.5	212.9	25,300	51.3	222.3	22,400							110
115										31.1	205.6	23,900	46.6	218.0	21,100							115
120										23.3	195.8	22,500	41.4	212.8	20,000							120
125										11.2	179.7	21,300	35.7	206.5	18,900	49.5	215.2	16,500				125
130													29.0	198.6	17,900	44.6	210.5	15,600				130
135													20.4	187.7	16,900	39.3	205.0	14,700				135
140													0.9	161.1	16,000	33.2	198.2	14,000	47.1	206.4	11,900	140
145																25.9	189.4	13,200	42.0	201.3	11,300	145
150																15.9	176.3	12,600	36.4	195.2	10,700	150
155																			29.8	187.5	10,100	155
160																			21.6	177.1	9,600	160
165																			7.0	157.4	9,100	165



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

160 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	74.0	256.4	71,300 *b																			35
40	70.7	254.8	71,100 *b																			40
45	67.2	252.9	68,800 *b																			45
50	63.7	250.6	65,500 *																			50
55	60.1	247.9	62,200 *	70.1	253.3	60,700 *b																55
60	56.4	244.8	59,200 *	66.6	251.3	57,900 *																60
65	52.5	241.2	54,500 *	63.1	248.9	54,400 *																65
70	48.4	237.1	49,800 *	59.5	246.2	49,800 *	65.5	249.3	49,300 *													70
75	43.9	232.3	45,900 *	55.7	243.0	45,800 *	62.0	246.8	45,400 *													75
80	39.1	226.7	42,200 *	51.8	239.4	42,400 *	58.3	243.9	42,000 *													80
85	33.8	219.9	38,700 *	47.6	235.1	39,400 *	54.5	240.6	38,900													85
90	27.5	211.5	35,600 *	43.1	230.2	36,800 *	50.5	236.8	36,200	61.1	243.0	32,500										90
95	19.5	200.0	32,300 *	38.2	224.4	34,400 *	46.2	232.3	33,800	57.4	240.0	30,300										95
100	3.7	175.7	25,200 *	32.8	217.3	32,300 *	41.6	227.1	31,700	53.5	236.6	28,400										100
105				26.3	208.5	30,400 *	36.6	221.0	29,800	49.5	232.6	26,600										105
110				17.8	196.2	28,600 *	30.8	213.5	28,000	45.1	228.0	25,100	56.3	234.7	22,100							110
115							23.9	203.8	26,400	40.5	222.6	23,600	52.3	231.1	20,900							115
120							14.1	189.3	25,000	35.3	216.2	22,300	48.2	226.9	19,700							120
125										29.3	208.3	21,100	43.8	222.1	18,600							125
130										21.9	197.8	20,000	39.0	216.4	17,600	50.8	224.1	15,300				130
135										10.6	180.7	18,900	33.6	209.6	16,700	46.5	219.6	14,500				135
140													27.3	201.1	15,900	42.0	214.5	13,700				140
145													19.2	189.5	15,000	36.9	208.4	13,000				145
150													0.8	161.1	14,200	31.3	201.0	12,300	44.3	210.6	10,400	150
155																24.4	191.6	11,700	39.5	205.0	9,900	155
160																15.0	177.6	11,100	34.2	198.4	9,400	160
165																			28.1	190.1	8,900	165
170																			20.3	179.0	8,400	170
175																			6.6	158.0	7,900	175



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

160 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	75.6	266.7	65,800 *b																			35
40	72.7	265.3	65,500 *b																			40
45	69.6	263.6	63,800 *																			45
50	66.5	261.6	61,200 *																			50
55	63.4	259.3	58,600 *																			55
60	60.1	256.6	55,800 *	69.1	262.1	55,800 *																60
65	56.8	253.5	52,900 *	66.0	260.0	53,400 *																65
70	53.3	250.0	49,400 *	62.8	257.6	49,200 *																70
75	49.6	246.0	45,400 *	59.5	254.9	45,300 *	65.0	258.0	44,800 *													75
80	45.7	241.5	42,000 *	56.2	251.7	41,900 *	61.8	255.5	41,500 *													80
85	41.6	236.2	38,700 *	52.6	248.1	38,900 *	58.5	252.6	38,500 *													85
90	37.0	230.1	35,600 *	48.9	244.1	36,200 *	55.0	249.3	35,800													90
95	32.0	222.8	32,900 *	45.0	239.4	33,900 *	51.5	245.6	33,500	61.0	251.7	29,900										95
100	26.1	213.8	30,400 *	40.8	234.0	31,800 *	47.7	241.3	31,300	57.7	248.7	28,000										100
105	18.5	201.7	27,700 *	36.2	227.7	29,800 *	43.7	236.4	29,400	54.2	245.3	26,200										105
110	3.5	176.0	21,900 *	31.0	220.2	28,100 *	39.4	230.8	27,700	50.6	241.5	24,700										110
115				24.9	210.8	26,500 *	34.6	224.2	26,100	46.8	237.1	23,200	56.6	243.4	20,400							115
120				16.9	197.7	25,100 *	29.2	216.1	24,700	42.7	232.0	21,900	53.1	239.9	19,200							120
125							22.6	205.9	23,400	38.3	226.2	20,800	49.5	235.9	18,200							125
130							13.4	190.5	22,100	33.4	219.3	19,700	45.6	231.3	17,200							130
135										27.8	210.8	18,700	41.4	226.0	16,300	51.7	232.9	14,000				135
140										20.8	199.7	17,700	36.9	219.9	15,500	48.0	228.6	13,300				140
145										10.0	181.6	16,800	31.8	212.5	14,700	44.0	223.8	12,600				145
150													25.9	203.5	13,900	39.7	218.2	11,900				150
155													18.2	191.1	13,200	35.0	211.7	11,300	46.0	219.7	9,400	155
160													0.8	161.2	12,500	29.6	203.8	10,700	41.9	214.5	8,900	160
165																23.2	193.7	10,200	37.4	208.5	8,400	165
170																14.2	178.9	9,700	32.4	201.3	8,000	170
175																			26.6	192.5	7,600	175
180																			19.3	180.7	7,100	180



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

160 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.3	275.7	51,200 *b																			40
45	71.6	274.2	50,200 *																			45
50	68.8	272.4	49,400 *																			50
55	66.0	270.3	48,500 *																			55
60	63.1	267.9	47,700 *																			60
65	60.1	265.2	46,900 *	68.3	270.9	49,900 *																65
70	57.1	262.2	45,800 *	65.5	268.7	48,000 *																70
75	53.9	258.7	43,500 *	62.6	266.3	45,600 *	67.4	268.9	44,000 *													75
80	50.6	254.9	41,200 *	59.6	263.5	42,100 *	64.5	266.7	41,500													80
85	47.1	250.5	39,000 *	56.5	260.4	39,100 *	61.6	264.1	38,500													85
90	43.5	245.6	36,100 *	53.3	256.9	36,400 *	58.6	261.3	35,800													90
95	39.6	239.9	33,400 *	50.0	252.9	34,000 *	55.5	258.0	33,400													95
100	35.3	233.4	30,900 *	46.5	248.5	31,800 *	52.3	254.4	31,300	60.9	260.3	27,900										100
105	30.5	225.6	28,700 *	42.8	243.4	29,900 *	48.9	250.3	29,400	57.9	257.4	26,100										105
110	24.9	216.1	26,700 *	38.8	237.6	28,200 *	45.4	245.6	27,600	54.8	254.0	24,600										110
115	17.7	203.2	24,400 *	34.5	230.9	26,600 *	41.6	240.3	26,100	51.5	250.3	23,200										115
120	3.4	176.3	19,400 *	29.5	222.9	25,100 *	37.5	234.3	24,700	48.1	246.1	21,900	56.9	252.1	19,200							120
125				23.7	212.9	23,800 *	33.0	227.2	23,300	44.5	241.3	20,700	53.8	248.6	18,100							125
130				16.1	199.1	22,600 *	27.8	218.7	22,100	40.6	235.8	19,600	50.5	244.7	17,100							130
135							21.6	207.8	21,000	36.5	229.6	18,600	47.0	240.3	16,200							135
140							12.7	191.6	20,000	31.8	222.2	17,700	43.3	235.4	15,400	52.5	241.6	13,200				140
145										26.5	213.2	16,800	39.4	229.7	14,600	49.2	237.6	12,500				145
150										19.8	201.5	16,000	35.1	223.1	13,900	45.6	233.0	11,800				150
155										9.5	182.4	15,200	30.3	215.3	13,200	41.9	227.7	11,200				155
160													24.6	205.7	12,600	37.8	221.7	10,700	47.4	228.7	8,800	160
165													17.4	192.7	12,000	33.3	214.7	10,200	43.8	223.8	8,400	165
170													0.7	161.3	11,300	28.2	206.3	9,700	39.9	218.3	7,900	170
175																22.1	195.7	9,200	35.6	211.8	7,500	175
180																13.6	180.1	8,700	30.9	204.2	7,100	180
190																			18.3	182.4	6,400	190



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

160 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.6	286.1	48,100 *b																			40
45	73.1	284.7	47,300 *																			45
50	70.6	283.1	46,600 *																			50
55	68.1	281.2	45,800 *																			55
60	65.5	279.0	45,100 *																			60
65	62.8	276.6	44,400 *	70.2	281.6	46,700 *																65
70	60.1	273.9	42,800 *	67.6	279.6	46,200 *																70
75	57.3	270.9	40,900 *	65.0	277.4	44,400 *																75
80	54.4	267.5	39,000 *	62.3	275.0	41,600 *	66.8	277.6	40,900 *													80
85	51.4	263.7	37,100 *	59.6	272.2	38,500 *	64.2	275.4	38,100													85
90	48.3	259.5	35,200 *	56.8	269.1	35,900 *	61.5	272.8	35,400													90
95	45.0	254.8	33,200 *	53.9	265.6	33,500 *	58.7	269.9	33,000													95
100	41.5	249.4	30,800 *	50.9	261.8	31,400 *	55.9	266.7	30,900													100
105	37.8	243.4	28,600 *	47.7	257.5	29,400 *	53.0	263.1	29,000	60.8	269.0	25,700										105
110	33.7	236.5	26,600 *	44.4	252.7	27,700 *	49.9	259.1	27,300	58.1	266.0	24,200										110
115	29.1	228.3	24,800 *	40.9	247.2	26,100 *	46.7	254.7	25,700	55.2	262.7	22,800										115
120	23.8	218.2	23,200 *	37.1	241.1	24,700 *	43.3	249.7	24,300	52.2	259.1	21,500										120
125	16.9	204.8	21,200 *	33.0	233.9	23,300 *	39.7	244.0	23,000	49.2	255.0	20,300	57.2	260.7	17,700							125
130	3.2	176.6	16,900 *	28.3	225.5	22,100 *	35.8	237.6	21,800	45.9	250.4	19,200	54.3	257.3	16,700							130
135				22.7	215.0	21,000 *	31.5	230.1	20,700	42.5	245.3	18,200	51.3	253.5	15,800							135
140				15.4	200.5	19,900 *	26.6	221.1	19,700 *	38.8	239.4	17,300	48.2	249.3	15,000							140
145							20.6	209.7	18,700 *	34.9	232.8	16,500	44.9	244.6	14,200							145
150							12.2	192.7	17,800	30.4	225.0	15,700	41.4	239.2	13,500	50.1	246.4	11,400				150
155										25.3	215.5	14,900	37.7	233.2	12,800	46.9	242.0	10,800				155
160										19.0	203.2	14,200	33.6	226.2	12,200	43.6	237.1	10,300				160
165										9.1	183.3	13,500	29.0	218.0	11,600	40.0	231.5	9,700				165
170													23.6	207.8	11,100	36.1	225.1	9,200	45.3	233.0	7,500	170
175													16.6	194.2	10,500	31.8	217.7	8,800	41.8	227.8	7,100	175
180													0.7	161.3	10,000	27.0	208.8	8,300	38.1	221.8	6,700	180
190																13.0	181.3	7,500	29.5	206.9	6,000	190
200																			17.6	183.9	5,300	200

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**160 Ft. Boom, 130 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.5	295.1	44,400 *																			45
50	72.2	293.6	43,700 *																			50
55	69.8	291.9	43,000 *																			55
60	67.5	289.9	42,400 *																			60
65	65.1	287.7	41,200 *																			65
70	62.6	285.3	39,700 *	69.4	290.4	43,100 *																70
75	60.1	282.6	38,200 *	67.0	288.4	42,700 *																75
80	57.5	279.5	36,600 *	64.6	286.1	41,200 *																80
85	54.9	276.2	35,000 *	62.2	283.6	38,200 *	66.3	286.4	37,700 *													85
90	52.1	272.5	33,500 *	59.6	280.8	35,500 *	63.9	284.0	35,000 *													90
95	49.3	268.4	31,900 *	57.1	277.8	33,100 *	61.4	281.5	32,700 *													95
100	46.3	263.9	30,400 *	54.4	274.4	31,000 *	58.8	278.6	30,600 *													100
105	43.2	258.8	28,500 *	51.6	270.6	29,100 *	56.2	275.4	28,700 *													105
110	39.8	253.2	26,500 *	48.8	266.4	27,300 *	53.5	271.9	27,000 *	60.8	277.6	23,900										110
115	36.3	246.8	24,800 *	45.8	261.8	25,700 *	50.7	268.0	25,400 *	58.2	274.7	22,500										115
120	32.4	239.4	23,200 *	42.6	256.7	24,300 *	47.8	263.7	24,000 *	55.6	271.4	21,200										120
125	28.0	230.8	21,700 *	39.2	250.9	23,000 *	44.8	258.9	22,700 *	52.9	267.8	20,000										125
130	22.8	220.3	20,300 *	35.6	244.4	21,800 *	41.5	253.6	21,500 *	50.0	263.9	19,000	57.4	269.4	16,400							130
135	16.2	206.2	18,600 *	31.6	236.8	20,600 *	38.1	247.6	20,400 *	47.1	259.4	18,000	54.8	266.0	15,500							135
140	3.1	176.9	14,800 *	27.1	227.9	19,600 *	34.4	240.8	19,300 *	44.0	254.5	17,100	52.0	262.3	14,700							140
145				21.8	217.0	18,600 *	30.3	232.9	18,400 *	40.8	249.1	16,200	49.2	258.2	13,900							145
150				14.8	201.8	17,700 *	25.5	223.4	17,500 *	37.3	242.9	15,400	46.2	253.7	13,200							150
155							19.8	211.5	16,600 *	33.4	235.8	14,700	43.1	248.6	12,600	50.9	255.3	10,500				155
160							11.7	193.8	15,900 *	29.2	227.6	14,000	39.7	242.9	11,900	48.0	251.0	10,000				160
165										24.3	217.7	13,300	36.1	236.5	11,400	45.0	246.3	9,400				165
170										18.2	204.9	12,700	32.2	229.1	10,800	41.8	241.0	9,000				170
175										8.8	184.0	12,100	27.8	220.5	10,300	38.4	235.0	8,500	46.5	242.1	6,800	175
180													22.6	209.9	9,800	34.7	228.3	8,100	43.4	237.1	6,400	180
190													0.7	161.4	8,800	25.9	211.1	7,300	36.6	225.2	5,700	190
200																12.5	182.4	6,500	28.4	209.5	5,100	200
210																			16.9	185.4	4,500	210



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

160 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.6	305.5	41,500 *																			45
50	73.5	304.1	40,800 *																			50
55	71.3	302.5	39,900 *																			55
60	69.2	300.7	38,900 *																			60
65	67.0	298.7	37,800 *																			65
70	64.7	296.4	36,600 *	71.0	301.0	39,900 *																70
75	62.4	294.0	35,400 *	68.8	299.2	39,500 *																75
80	60.1	291.2	34,100 *	66.6	297.1	38,700 *																80
85	57.7	288.2	32,800 *	64.3	294.8	37,500 *																85
90	55.2	284.9	31,500 *	62.0	292.3	35,000 *	65.8	295.1	34,500 *													90
95	52.7	281.2	30,200 *	59.7	289.5	32,600 *	63.6	292.7	32,200 *													95
100	50.1	277.3	28,900 *	57.3	286.4	30,500 *	61.3	290.1	30,100 *													100
105	47.4	272.9	27,700 *	54.8	283.1	28,600 *	58.9	287.2	28,200 *													105
110	44.5	268.0	26,300 *	52.3	279.4	26,800 *	56.5	284.1	26,500 *	63.0	289.0	23,500										110
115	41.5	262.7	24,600 *	49.6	275.3	25,300 *	54.0	280.6	24,900 *	60.7	286.3	22,100										115
120	38.3	256.7	23,000 *	46.9	270.9	23,800 *	51.4	276.8	23,500 *	58.3	283.4	20,800										120
125	34.9	250.0	21,500 *	44.0	265.9	22,500 *	48.8	272.6	22,200 *	55.9	280.1	19,600										125
130	31.2	242.3	20,100 *	41.0	260.5	21,300 *	46.0	268.0	21,000 *	53.4	276.6	18,600										130
135	26.9	233.3	18,900 *	37.8	254.4	20,200 *	43.1	262.9	19,900 *	50.8	272.7	17,600	57.6	278.1	15,100							135
140	22.0	222.3	17,700 *	34.3	247.5	19,100 *	40.0	257.3	18,800 *	48.1	268.4	16,700	55.2	274.7	14,300							140
145	15.6	207.6	16,200 *	30.4	239.6	18,100 *	36.7	251.0	17,900 *	45.3	263.7	15,800	52.6	271.1	13,500							145
150	3.0	177.1	12,900 *	26.1	230.3	17,200 *	33.1	243.8	17,000 *	42.3	258.5	15,100	50.0	267.1	12,800							150
155				21.0	218.9	16,400 *	29.1	235.5	16,100 *	39.2	252.7	14,300	47.3	262.7	12,200							155
160				14.2	203.1	15,600 *	24.6	225.6	15,400 *	35.8	246.2	13,600	44.4	257.8	11,500	51.6	264.1	9,500				160
165							19.1	213.2	14,600 *	32.2	238.8	13,000	41.4	252.5	11,000	49.0	259.9	9,000				165
170							11.3	194.8	13,900 *	28.1	230.2	12,400	38.2	246.5	10,400	46.2	255.4	8,500				170
175										23.4	219.8	11,800	34.8	239.7	9,900	43.3	250.3	8,100				175
180										17.6	206.4	11,200	31.0	232.0	9,400	40.2	244.7	7,700	47.6	251.1	5,900	180
190													21.8	211.8	8,500	33.4	231.3	6,900	41.8	241.0	5,300	190
200													0.7	161.4	7,700	25.0	213.4	6,200	35.2	228.4	4,600	200
210																12.0	183.5	5,500	27.3	211.9	4,100	210

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**160 Ft. Boom, 150 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.6	314.5	37,000 *																			50
55	72.6	313.0	36,300 *																			55
60	70.6	311.3	35,500 *																			60
65	68.6	309.5	34,600 *																			65
70	66.5	307.4	33,700 *																			70
75	64.4	305.1	32,700 *	70.2	309.8	36,400 *																75
80	62.3	302.6	31,700 *	68.2	307.9	35,500 *																80
85	60.1	299.9	30,600 *	66.1	305.8	34,400 *																85
90	57.9	296.9	29,300 *	64.0	303.5	33,200 *	67.5	306.0	34,000 *													90
95	55.6	293.6	28,100 *	61.9	301.0	32,000 *	65.5	303.8	32,000 *													95
100	53.2	290.0	26,900 *	59.7	298.2	30,300 *	63.3	301.4	29,900 *													100
105	50.8	286.1	25,800 *	57.5	295.1	28,400 *	61.2	298.8	28,000 *													105
110	48.3	281.8	24,700 *	55.2	291.8	26,700 *	59.0	295.9	26,300 *													110
115	45.7	277.2	23,700 *	52.8	288.1	25,100 *	56.7	292.8	24,700 *	62.8	297.7	22,000										115
120	42.9	272.0	22,700 *	50.4	284.2	23,700 *	54.4	289.3	23,300 *	60.7	295.0	20,700										120
125	40.1	266.4	21,500 *	47.8	279.8	22,300 *	52.0	285.6	22,000 *	58.5	292.0	19,500										125
130	37.0	260.1	20,200 *	45.2	275.1	21,100 *	49.6	281.5	20,800 *	56.2	288.8	18,500										130
135	33.7	253.1	18,900 *	42.4	269.9	20,000 *	47.0	277.1	19,700 *	53.9	285.3	17,500										135
140	30.1	245.0	17,800 *	39.5	264.1	19,000 *	44.3	272.2	18,700 *	51.5	281.5	16,600	57.8	286.7	14,200							140
145	26.0	235.6	16,700 *	36.4	257.7	18,000 *	41.5	266.8	17,700 *	49.0	277.3	15,700	55.5	283.5	13,400							145
150	21.2	224.2	15,700 *	33.1	250.5	17,100 *	38.6	260.9	16,800 *	46.4	272.8	14,900	53.1	279.9	12,700							150
155	15.1	209.0	14,400 *	29.4	242.3	16,300 *	35.4	254.2	16,000 *	43.7	267.8	14,200	50.7	275.9	12,100							155
160	2.9	177.4	11,400 *	25.2	232.6	15,500 *	31.9	246.7	15,200 *	40.8	262.3	13,500	48.2	271.7	11,400							160
165				20.3	220.7	14,700 *	28.1	238.1	14,500 *	37.8	256.2	12,900	45.6	267.0	10,900	52.2	272.9	8,900				165
170				13.8	204.3	14,000 *	23.8	227.8	13,800 *	34.6	249.4	12,300	42.8	261.8	10,300	49.7	268.8	8,400				170
175							18.4	214.8	13,200 *	31.1	241.6	11,700	39.9	256.2	9,800	47.2	264.4	8,000				175
180							10.9	195.7	12,500 *	27.1	232.6	11,200	36.9	249.9	9,300	44.5	259.5	7,600				180
190										17.0	207.9	10,200	29.9	234.7	8,500	38.8	248.3	6,800	45.9	255.4	5,200	190
200													21.0	213.7	7,700	32.2	234.3	6,100	40.3	244.7	4,500	200
210													0.6	161.5	6,900	24.1	215.6	5,400	34.0	231.5	4,000	210
220																11.6	184.5	4,800				220

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**160 Ft. Boom, 160 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.6	324.8	33,400 *																50
55	73.7	323.5	32,800 *																55
60	71.9	321.9	32,100 *																60
65	70.0	320.2	31,400 *																65
70	68.0	318.3	30,700 *																70
75	66.1	316.1	29,900 *																75
80	64.1	313.8	28,900 *	69.6	318.7	31,700 *													80
85	62.1	311.3	27,700 *	67.7	316.7	31,200 *													85
90	60.1	308.5	26,500 *	65.8	314.6	30,100 *													90
95	58.0	305.5	25,300 *	63.8	312.2	29,000 *	67.1	314.7	29,900 *										95
100	55.9	302.3	24,200 *	61.8	309.6	27,800 *	65.1	312.5	29,400 *										100
105	53.7	298.7	23,000 *	59.7	306.8	26,700 *	63.1	310.1	27,500 *										105
110	51.4	294.9	22,000 *	57.6	303.8	25,500 *	61.1	307.4	25,800 *										110
115	49.1	290.8	20,900 *	55.5	300.5	24,400 *	59.0	304.6	24,200 *										115
120	46.7	286.2	19,900 *	53.3	296.9	23,200 *	56.9	301.4	22,800 *	62.7	306.3	20,300							120
125	44.1	281.3	19,000 *	51.0	293.0	21,900 *	54.8	298.1	21,500 *	60.6	303.6	19,100							125
130	41.5	275.9	18,000 *	48.7	288.8	20,700 *	52.5	294.4	20,300 *	58.6	300.7	18,100							130
135	38.7	270.0	17,200 *	46.2	284.2	19,500 *	50.3	290.4	19,200 *	56.4	297.5	17,100							135
140	35.8	263.4	16,400 *	43.7	279.2	18,500 *	47.9	286.0	18,200 *	54.3	294.1	16,200							140
145	32.6	256.0	15,600 *	41.0	273.7	17,500 *	45.4	281.3	17,200 *	52.0	290.3	15,400	57.9	295.4	13,000				145
150	29.1	247.7	14,800 *	38.2	267.7	16,600 *	42.9	276.2	16,400 *	49.7	286.2	14,600	55.8	292.1	12,300				150
155	25.2	237.9	14,100 *	35.2	261.0	15,800 *	40.2	270.5	15,500 *	47.3	281.8	13,900	53.6	288.6	11,600				155
160	20.6	226.0	13,500 *	32.0	253.4	15,000 *	37.3	264.3	14,800 *	44.8	277.0	13,200	51.3	284.8	11,000				160
165	14.6	210.3	12,500 *	28.4	244.9	14,300 *	34.2	257.3	14,000 *	42.2	271.7	12,500	49.0	280.6	10,500				165
170	2.8	177.6	9,800 *	24.4	234.8	13,600 *	30.9	249.5	13,300 *	39.5	265.9	11,900	46.6	276.0	9,900	52.7	281.6	8,000	170
175				19.6	222.4	12,900 *	27.2	240.5	12,700 *	36.6	259.6	11,400	44.1	271.1	9,400	50.4	277.7	7,600	175
180				13.3	205.5	12,300 *	23.0	229.8	12,100 *	33.5	252.4	10,800	41.4	265.7	9,000	48.1	273.4	7,100	180
190							10.6	196.7	11,000 *	26.3	235.0	9,900	35.7	253.1	8,100	43.0	263.6	6,400	190
200										16.4	209.4	9,000	29.0	237.3	7,300	37.5	251.8	5,700	200
210													20.4	215.6	6,600	31.1	237.1	5,100	210
220													0.6	161.6	5,900	23.3	217.7	4,500	220



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

160 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.7	333.8	29,400 *																55
60	73.0	332.4	28,300 *																60
65	71.2	330.8	27,100 *																65
70	69.4	329.0	26,000 *																70
75	67.6	327.0	24,900 *																75
80	65.8	324.9	23,800 *																80
85	63.9	322.5	22,700 *	69.1	327.5	25,900 *													85
90	62.0	320.0	21,600 *	67.3	325.5	24,900 *													90
95	60.1	317.2	20,600 *	65.4	323.3	23,800 *													95
100	58.1	314.2	19,600 *	63.6	320.9	22,800 *	66.7	323.5	24,400 *										100
105	56.1	311.0	18,700 *	61.7	318.3	21,800 *	64.8	321.2	23,400 *										105
110	54.0	307.5	17,700 *	59.7	315.5	20,800 *	63.0	318.8	22,400 *										110
115	51.9	303.7	16,900 *	57.8	312.4	19,800 *	61.0	316.1	21,500 *										115
120	49.8	299.6	16,000 *	55.7	309.2	18,800 *	59.1	313.2	20,500 *										120
125	47.5	295.2	15,200 *	53.7	305.6	17,900 *	57.1	310.1	19,600 *	62.5	315.0	18,900							125
130	45.2	290.5	14,400 *	51.6	301.8	17,000 *	55.1	306.8	18,600 *	60.6	312.3	17,800							130
135	42.8	285.3	13,600 *	49.4	297.7	16,100 *	53.0	303.1	17,700 *	58.6	309.4	16,900							135
140	40.2	279.6	12,900 *	47.1	293.2	15,300 *	50.9	299.2	16,800 *	56.6	306.2	16,000							140
145	37.5	273.4	12,200 *	44.8	288.4	14,500 *	48.7	295.0	16,000 *	54.6	302.8	15,100							145
150	34.7	266.6	11,600 *	42.3	283.1	13,800 *	46.4	290.4	15,200 *	52.5	299.1	14,400							150
155	31.6	258.9	10,800 *	39.8	277.4	13,000 *	44.0	285.4	14,400 *	50.3	295.1	13,600	56.0	300.8	11,400				155
160	28.2	250.2	10,100 *	37.0	271.1	12,300 *	41.5	280.0	13,600 *	48.1	290.8	12,900	54.0	297.3	10,800				160
165	24.4	240.1	9,300 *	34.1	264.1	11,700 *	38.9	274.1	12,900 *	45.8	286.1	12,300	51.9	293.6	10,200				165
170	19.9	227.8	8,600 *	31.0	256.3	10,900 *	36.1	267.6	12,200 *	43.4	281.0	11,700	49.7	289.5	9,700				170
175	14.2	211.5	7,900 *	27.6	247.3	10,100 *	33.2	260.4	11,600 *	40.9	275.5	11,200	47.4	285.1	9,200				175
180	2.7	177.9	7,400 *	23.7	236.9	9,300 *	30.0	252.2	10,700 *	38.3	269.5	10,600	45.1	280.3	8,700	51.0	286.5	6,900	180
190				12.9	206.7	7,900 *	22.3	231.8	9,200 *	32.4	255.4	9,600	40.1	269.4	7,900	46.5	277.7	6,100	190
200							10.2	197.6	7,800 *	25.5	237.3	8,800	34.6	256.3	7,100	41.7	267.4	5,400	200
210										15.9	210.8	8,000	28.1	239.9	6,400	36.3	255.1	4,800	210
220													19.8	217.3	5,700	30.2	239.8	4,200	220
230													0.6	161.6	5,100				230



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

170 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	69.5	245.4	80,200 *b																			35
40	65.1	243.4	75,700 *b																			40
45	60.5	240.8	71,400 *b																			45
50	55.7	237.7	67,400 *																			50
55	50.6	233.9	63,700 *	65.1	242.1	61,400 *b																55
60	45.0	229.4	60,000 *	60.5	239.5	58,200 *b																60
65	38.9	223.8	54,600 *	55.7	236.4	54,100 *	64.1	240.2	52,500 *b													65
70	31.8	216.8	50,100 *	50.6	232.6	49,600 *	59.5	237.5	49,000 *b													70
75	22.9	207.1	45,800 *	45.0	228.1	45,700 *	54.6	234.3	45,100 *													75
80	7.1	188.5	34,600 *	38.9	222.5	42,400 *	49.4	230.3	41,800 *													80
85				31.8	215.5	39,400 *	43.8	225.6	38,900 *	59.2	234.0	34,900 b										85
90				22.9	205.8	36,800 *	37.5	219.8	36,300	54.3	230.7	32,400										90
95				7.0	187.1	34,500 *	30.1	212.3	33,900	49.0	226.7	30,300										95
100							20.5	201.7	31,700	43.4	221.9	28,400										100
105										37.0	216.0	26,600	53.6	225.6	23,400							105
110										29.6	208.4	25,100	48.3	221.5	22,100							110
115										19.7	197.5	23,600	42.5	216.6	20,800							115
120													36.1	210.5	19,600	52.4	218.9	17,000				120
125													28.4	202.6	18,500	47.0	214.6	16,000				125
130													18.0	190.9	17,500	41.2	209.5	15,100				130
135																34.5	203.0	14,300				135
140																26.4	194.5	13,600	45.1	206.0	11,400	140
145																14.7	181.2	12,900	39.0	200.4	10,800	145
150																			31.9	193.4	10,300	150
155																			23.1	183.8	9,700	155
160																			7.5	165.5	9,100	160

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**170 Ft. Boom, 80 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	72.2	256.0	74,800 *b																			35
40	68.4	254.2	72,700 *b																			40
45	64.5	252.1	68,900 *b																			45
50	60.4	249.4	65,300 *																			50
55	56.2	246.4	61,900 *	68.4	253.0	59,400 *b																55
60	51.8	242.7	58,700 *	64.5	250.8	56,500 *b																60
65	47.1	238.5	54,100 *	60.4	248.2	53,500 *	67.5	251.1	51,000 *b													65
70	42.0	233.4	49,600 *	56.2	245.1	49,000 *	63.6	248.9	48,300 *b													70
75	36.3	227.2	45,600 *	51.8	241.5	45,200 *	59.5	246.2	44,500 *													75
80	29.7	219.5	42,200 *	47.1	237.2	41,800 *	55.3	243.0	41,200 *													80
85	21.4	209.1	38,400 *	42.0	232.1	38,900 *	50.8	239.2	38,300 *													85
90	6.6	189.1	30,200 *	36.3	225.9	36,300 *	46.0	234.8	35,800 *	59.3	242.6	32,000										90
95				29.7	218.3	33,900 *	40.8	229.5	33,500 *	55.0	239.4	29,900										95
100				21.4	207.8	31,900 *	35.0	223.1	31,400 *	50.5	235.6	27,900										100
105				6.6	187.7	30,000 *	28.1	214.9	29,500	45.7	231.1	26,200										105
110							19.2	203.5	27,800	40.4	225.7	24,700	54.4	234.3	21,600							110
115										34.6	219.2	23,300	49.9	230.4	20,300							115
120										27.6	210.9	22,000	45.0	225.8	19,200							120
125										18.4	199.2	20,800	39.7	220.3	18,100							125
130													33.7	213.6	17,200	48.8	223.6	14,700				130
135													26.5	205.0	16,300	43.8	218.8	13,900				135
140													16.8	192.4	15,400	38.4	213.1	13,200				140
145																32.2	206.0	12,500	47.1	215.0	10,300	145
150																24.7	196.8	11,800	42.0	210.0	9,800	150
155																13.7	182.4	11,200	36.4	203.8	9,300	155
160																			29.8	196.2	8,800	160
165																			21.6	185.8	8,300	165
170																			7.0	166.1	7,800	170



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

170 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	74.2	266.5	68,800 *b																			35
40	70.9	264.9	68,300 *b																			40
45	67.5	263.0	65,700 *b																			45
50	64.0	260.7	62,700 *																			50
55	60.4	258.1	59,600 *	70.9	263.6	57,500 *b																55
60	56.7	255.0	56,400 *	67.5	261.7	54,900 *b																60
65	52.8	251.5	53,200 *	64.0	259.5	52,400 *																65
70	48.6	247.4	49,200 *	60.4	256.8	48,700 *	66.7	259.9	47,400 *													70
75	44.3	242.7	45,300 *	56.7	253.8	44,800 *	63.2	257.5	44,100 *													75
80	39.5	237.1	41,900 *	52.8	250.2	41,500 *	59.6	254.8	40,800 *													80
85	34.2	230.4	38,900 *	48.6	246.1	38,500 *	55.8	251.7	37,900 *													85
90	28.0	222.1	35,800 *	44.2	241.4	35,900 *	51.9	248.0	35,400 *	63.0	254.0	31,700										90
95	20.2	210.9	32,700 *	39.5	235.8	33,600 *	47.7	243.8	33,100 *	59.3	251.3	29,600										95
100	6.3	189.7	26,200 *	34.2	229.1	31,500 *	43.2	238.9	31,100 *	55.6	248.1	27,700										100
105				28.0	220.8	29,600 *	38.4	233.1	29,200 *	51.6	244.4	26,000										105
110				20.2	209.6	27,900 *	32.9	226.1	27,500 *	47.4	240.1	24,400										110
115				6.2	188.3	26,400 *	26.5	217.3	26,000 *	42.9	235.2	23,000	55.0	243.0	20,000							115
120							18.1	205.1	24,600 *	38.0	229.3	21,800	51.1	239.2	18,900							120
125										32.5	222.2	20,600	46.8	234.9	17,900							125
130										26.0	213.3	19,500	42.3	229.8	16,900							130
135										17.4	200.7	18,500	37.3	223.8	16,000	50.1	232.5	13,600				135
140													31.7	216.5	15,200	45.8	228.0	12,900				140
145													25.0	207.3	14,400	41.2	222.7	12,200				145
150													15.9	193.9	13,700	36.1	216.5	11,600				150
155																30.3	208.8	11,000	44.3	219.2	9,000	155
160																23.2	198.9	10,400	39.5	213.7	8,500	160
165																13.0	183.6	9,900	34.2	207.0	8,000	165
170																			28.1	198.7	7,600	170
175																			20.3	187.6	7,200	175
180																			6.6	166.7	6,800	180



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

170 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	75.8	276.8	63,600 *b																			35
40	72.9	275.4	62,100 *b																			40
45	69.8	273.7	60,000 *																			45
50	66.8	271.7	57,800 *																			50
55	63.6	269.4	55,300 *																			55
60	60.4	266.8	52,700 *	69.8	272.5	52,900 *																60
65	57.0	263.7	50,000 *	66.7	270.5	50,700 *																65
70	53.5	260.3	47,400 *	63.6	268.2	48,100 *																70
75	49.9	256.3	44,700 *	60.3	265.5	44,300 *	66.1	268.6	43,500 *													75
80	46.0	251.8	41,400 *	57.0	262.4	40,900 *	62.9	266.2	40,200 *													80
85	41.9	246.6	38,400 *	53.5	259.0	38,000 *	59.6	263.5	37,400 *													85
90	37.4	240.6	35,800 *	49.9	255.0	35,400 *	56.3	260.3	34,800 *													90
95	32.4	233.4	33,100 *	46.0	250.5	33,100 *	52.7	256.8	32,500 *	62.7	262.7	29,100										95
100	26.5	224.5	30,600 *	41.9	245.3	31,000 *	49.0	252.7	30,500 *	59.4	259.9	27,200										100
105	19.2	212.7	28,100 *	37.4	239.3	29,100 *	45.1	248.1	28,700 *	56.0	256.8	25,500										105
110	5.9	190.2	22,700 *	32.4	232.1	27,400 *	40.9	242.7	27,000 *	52.5	253.2	24,000										110
115				26.5	223.2	25,900 *	36.3	236.5	25,500 *	48.8	249.1	22,600										115
120				19.1	211.4	24,500 *	31.2	229.0	24,100 *	44.9	244.4	21,400	55.5	251.7	18,400							120
125				5.9	188.8	23,200 *	25.1	219.6	22,800 *	40.6	239.0	20,200	52.0	248.0	17,400							125
130							17.1	206.7	21,600 *	36.0	232.7	19,100	48.3	243.9	16,500							130
135										30.8	225.1	18,100	44.3	239.1	15,600							135
140										24.6	215.6	17,200	40.0	233.6	14,800	51.2	241.3	12,400				140
145										16.5	202.2	16,300	35.3	227.1	14,000	47.4	237.0	11,700				145
150													30.0	219.3	13,300	43.4	232.1	11,100				150
155													23.7	209.4	12,700	39.0	226.4	10,600				155
160													15.0	195.2	12,000	34.2	219.6	10,000	46.0	228.4	8,000	160
165																28.7	211.4	9,500	41.9	223.2	7,600	165
170																22.0	200.9	9,000	37.4	217.2	7,200	170
175																12.3	184.7	8,500	32.4	210.0	6,800	175
180																			26.6	201.2	6,400	180
190																			6.2	167.3	5,600	190



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

170 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.5	285.8	50,100 *b																			40
45	71.7	284.3	49,200 *																			45
50	69.0	282.5	48,400 *																			50
55	66.2	280.5	47,500 *																			55
60	63.3	278.1	46,800 *																			60
65	60.3	275.4	45,800 *	69.0	281.3	47,400 *																65
70	57.3	272.4	43,600 *	66.2	279.2	45,600 *																70
75	54.1	269.0	41,500 *	63.3	276.8	43,700 *																75
80	50.8	265.1	39,400 *	60.3	274.2	41,100 *	65.5	277.3	39,700 *													80
85	47.4	260.8	37,400 *	57.3	271.1	38,100 *	62.6	274.9	37,500 *													85
90	43.7	255.9	35,200 *	54.1	267.7	35,500 *	59.7	272.1	34,900 *													90
95	39.8	250.3	33,200 *	50.8	263.9	33,200 *	56.6	269.0	32,600 *													95
100	35.6	243.9	31,100 *	47.4	259.5	31,100 *	53.4	265.5	30,600 *	62.4	271.4	27,100										100
105	30.8	236.2	28,900 *	43.7	254.6	29,200 *	50.1	261.6	28,700 *	59.5	268.6	25,500										105
110	25.3	226.8	26,800 *	39.8	249.0	27,500 *	46.6	257.1	27,000 *	56.4	265.5	23,900										110
115	18.3	214.3	24,700 *	35.6	242.6	25,900 *	42.9	252.1	25,500 *	53.2	261.9	22,500										115
120	5.7	190.7	20,100 *	30.8	234.9	24,500 *	38.9	246.3	24,100 *	49.9	258.0	21,300										120
125				25.3	225.5	23,200 *	34.6	239.6	22,800 *	46.4	253.5	20,100	56.0	260.4	17,300							125
130				18.2	213.0	22,000 *	29.7	231.7	21,600 *	42.7	248.4	19,100	52.8	256.8	16,400							130
135				5.6	189.3	20,900 *	23.9	221.8	20,500 *	38.7	242.6	18,100	49.4	252.8	15,500							135
140							16.3	208.2	19,500 *	34.3	235.8	17,200	45.9	248.2	14,700							140
145										29.3	227.8	16,300	42.1	243.0	14,000	52.0	250.1	11,700				145
150										23.5	217.7	15,500	38.1	237.1	13,300	48.6	246.0	11,100				150
155										15.7	203.6	14,800	33.6	230.2	12,600	45.1	241.3	10,500				155
160													28.6	221.9	12,000	41.2	235.9	9,900				160
165													22.6	211.5	11,400	37.1	229.8	9,400	47.4	237.4	7,500	165
170													14.3	196.5	10,900	32.6	222.6	9,000	43.8	232.5	7,100	170
175																27.3	213.9	8,500	39.9	226.9	6,700	175
180																21.0	202.8	8,100	35.6	220.5	6,300	180
190																			25.4	203.5	5,700	190
200																			5.9	167.8	5,000	200



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

170 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.8	296.2	47,100 *b																			40
45	73.3	294.8	46,300 *																			45
50	70.8	293.2	45,600 *																			50
55	68.3	291.3	44,900 *																			55
60	65.7	289.2	44,000 *																			60
65	63.0	286.8	42,400 *	70.8	291.9	45,500 *																65
70	60.3	284.1	40,800 *	68.2	290.0	43,800 *																70
75	57.5	281.1	39,000 *	65.7	287.9	42,200 *																75
80	54.6	277.7	37,300 *	63.0	285.5	40,600 *	67.7	288.2	38,300 *													80
85	51.6	274.0	35,500 *	60.3	282.8	37,600 *	65.1	286.0	36,900 *													85
90	48.5	269.8	33,800 *	57.5	279.8	35,000 *	62.4	283.6	34,400 *													90
95	45.3	265.1	31,900 *	54.6	276.4	32,700 *	59.7	280.8	32,100 *													95
100	41.8	259.8	30,300 *	51.6	272.7	30,600 *	56.9	277.7	30,000 *													100
105	38.1	253.9	28,800 *	48.5	268.5	28,700 *	54.0	274.3	28,200 *	62.2	280.0	25,000										105
110	34.0	247.0	26,800 *	45.3	263.8	27,000 *	51.0	270.4	26,500 *	59.5	277.3	23,500										110
115	29.5	238.9	25,000 *	41.8	258.6	25,400 *	47.8	266.1	25,000 *	56.7	274.1	22,100										115
120	24.2	229.0	23,300 *	38.1	252.6	24,000 *	44.5	261.3	23,600 *	53.8	270.7	20,900										120
125	17.5	215.9	21,500 *	34.0	245.7	22,700 *	41.0	255.9	22,300 *	50.8	266.8	19,700										125
130	5.4	191.2	17,500 *	29.5	237.6	21,500 *	37.2	249.8	21,100 *	47.6	262.5	18,700	56.3	269.1	15,900							130
135				24.2	227.7	20,400 *	33.1	242.7	20,000 *	44.3	257.7	17,700	53.4	265.6	15,100							135
140				17.5	214.6	19,400 *	28.4	234.3	19,000 *	40.8	252.2	16,800	50.4	261.6	14,300							140
145				5.4	189.8	18,500 *	22.9	223.9	18,100 *	37.0	246.0	16,000	47.2	257.3	13,600							145
150							15.6	209.6	17,200 *	32.8	238.8	15,200	43.8	252.3	12,900	52.7	258.9	10,600				150
155										28.1	230.3	14,500	40.3	246.8	12,200	49.6	254.9	10,000				155
160										22.5	219.7	13,800	36.4	240.5	11,600	46.4	250.4	9,500				160
165										15.0	205.0	13,100	32.2	233.2	11,100	43.0	245.3	9,000				165
170													27.4	224.4	10,500	39.4	239.6	8,500				170
175													21.6	213.4	10,000	35.5	233.1	8,100	45.3	241.7	6,300	175
180													13.7	197.7	9,500	31.1	225.5	7,700	41.8	236.4	5,900	180
190																20.1	204.6	6,900	34.1	223.6	5,200	190
200																			24.3	205.7	4,600	200
210																			5.7	168.3	4,000	210



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

170 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.6	305.2	43,500 *																			45
50	72.3	303.7	42,800 *																			50
55	70.0	302.0	41,800 *																			55
60	67.6	300.1	40,600 *																			60
65	65.2	297.9	39,300 *																			65
70	62.8	295.5	37,900 *	70.0	300.7	42,200 *																70
75	60.3	292.7	36,400 *	67.6	298.8	40,800 *																75
80	57.7	289.7	35,000 *	65.2	296.6	39,400 *																80
85	55.1	286.4	33,600 *	62.8	294.2	37,200 *	67.1	297.0	35,800 *													85
90	52.3	282.7	32,100 *	60.3	291.5	34,600 *	64.7	294.7	34,000 *													90
95	49.5	278.7	30,500 *	57.7	288.5	32,300 *	62.2	292.2	31,700 *													95
100	46.5	274.2	29,100 *	55.0	285.1	30,200 *	59.7	289.5	29,600 *													100
105	43.4	269.2	27,700 *	52.3	281.5	28,300 *	57.1	286.4	27,800 *													105
110	40.1	263.6	26,400 *	49.5	277.4	26,600 *	54.5	283.0	26,100 *	62.1	288.7	23,200										110
115	36.5	257.2	24,900 *	46.5	272.9	25,100 *	51.7	279.2	24,600 *	59.5	285.9	21,800										115
120	32.6	250.0	23,300 *	43.4	267.9	23,700 *	48.8	275.1	23,200 *	57.0	282.8	20,600										120
125	28.3	241.5	21,800 *	40.1	262.3	22,400 *	45.8	270.5	21,900 *	54.3	279.4	19,500										125
130	23.2	231.1	20,400 *	36.5	255.9	21,200 *	42.7	265.3	20,700 *	51.5	275.6	18,400										130
135	16.8	217.4	18,800 *	32.6	248.7	20,100 *	39.3	259.6	19,700 *	48.6	271.4	17,400	56.6	277.8	14,800							135
140	5.2	191.7	15,300 *	28.3	240.2	19,000 *	35.7	253.1	18,700 *	45.6	266.8	16,500	53.9	274.3	14,000							140
145				23.2	229.8	18,100 *	31.7	245.6	17,700 *	42.5	261.6	15,700	51.1	270.5	13,300							145
150				16.8	216.1	17,200 *	27.3	236.8	16,800 *	39.1	255.8	14,900	48.2	266.2	12,600							150
155				5.2	190.3	16,300 *	22.0	225.8	16,000 *	35.5	249.3	14,200	45.2	261.5	11,900							155
160							15.0	210.9	15,300 *	31.5	241.7	13,500	42.0	256.3	11,300	50.5	263.7	9,200				160
165										26.9	232.8	12,900	38.6	250.4	10,800	47.6	259.4	8,700				165
170										21.6	221.7	12,300	34.9	243.7	10,300	44.5	254.5	8,300				170
175										14.4	206.3	11,700	30.9	236.0	9,800	41.3	249.2	7,800				175
180													26.3	226.8	9,300	37.8	243.1	7,400	46.5	250.8	5,600	180
190													13.2	198.9	8,400	29.9	228.2	6,600	40.1	240.2	4,900	190
200																19.3	206.3	5,900	32.7	226.6	4,400	200



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

170 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.7	315.5	39,800 *																45
50	73.6	314.2	39,000 *																50
55	71.5	312.6	38,100 *																55
60	69.3	310.8	37,100 *																60
65	67.1	308.8	36,100 *																65
70	64.9	306.6	35,000 *																70
75	62.6	304.1	33,800 *	69.3	309.6	38,800 *													75
80	60.3	301.4	32,600 *	67.1	307.6	37,700 *													80
85	57.9	298.4	31,400 *	64.9	305.3	36,500 *													85
90	55.4	295.1	30,300 *	62.6	302.9	34,100 *	66.6	305.7	33,200 *										90
95	52.9	291.5	29,100 *	60.2	300.1	31,800 *	64.4	303.4	31,100 *										95
100	50.3	287.5	27,800 *	57.9	297.1	29,700 *	62.1	300.9	29,100 *										100
105	47.6	283.2	26,500 *	55.4	293.8	27,800 *	59.7	298.1	27,200 *										105
110	44.7	278.4	25,400 *	52.9	290.2	26,100 *	57.3	295.1	25,600 *										110
115	41.7	273.1	24,200 *	50.3	286.3	24,600 *	54.9	291.7	24,100 *	61.9	297.4	21,400							115
120	38.6	267.1	23,100 *	47.6	281.9	23,200 *	52.3	288.0	22,700 *	59.6	294.6	20,200							120
125	35.2	260.5	21,600 *	44.7	277.1	21,900 *	49.7	284.0	21,400 *	57.2	291.5	19,000							125
130	31.4	252.9	20,200 *	41.7	271.8	20,700 *	47.0	279.5	20,200 *	54.7	288.1	18,000							130
135	27.2	244.0	19,000 *	38.6	265.9	19,600 *	44.1	274.6	19,200 *	52.2	284.4	17,000							135
140	22.4	233.1	17,800 *	35.1	259.2	18,600 *	41.1	269.2	18,100 *	49.5	280.3	16,200	56.8	286.5	13,600				140
145	16.2	218.8	16,400 *	31.4	251.6	17,600 *	37.8	263.1	17,200 *	46.8	275.9	15,300	54.4	283.0	12,800				145
150	5.0	192.1	13,300 *	27.2	242.7	16,700 *	34.4	256.2	16,300 *	43.9	270.9	14,600	51.8	279.3	12,200				150
155				22.4	231.8	15,900 *	30.6	248.4	15,500 *	40.9	265.4	13,800	49.2	275.1	11,500				155
160				16.2	217.5	15,100 *	26.3	239.1	14,800 *	37.6	259.3	13,200	46.4	270.6	10,900				160
165				5.0	190.7	14,300 *	21.2	227.8	14,100 *	34.1	252.4	12,500	43.5	265.6	10,400	51.2	272.5	8,300	165
170							14.5	212.2	13,400 *	30.3	244.5	12,000	40.4	260.0	9,900	48.5	268.3	7,800	170
175										25.9	235.1	11,400	37.2	253.8	9,400	45.7	263.7	7,400	175
180										20.8	223.5	10,900	33.6	246.8	8,900	42.8	258.5	7,000	180
190													25.3	229.1	8,000	36.4	246.5	6,200	190
200													12.7	200.0	7,200	28.8	230.8	5,600	200
210																18.6	208.0	4,900	210



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
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777 SERIES 2

170 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.7	324.6	35,500 *																50
55	72.8	323.1	34,800 *																55
60	70.7	321.5	34,000 *																60
65	68.7	319.6	33,100 *																65
70	66.6	317.6	32,300 *																70
75	64.5	315.3	31,300 *	70.7	320.2	35,300 *													75
80	62.4	312.8	30,400 *	68.7	318.3	35,100 *													80
85	60.2	310.1	29,400 *	66.6	316.3	34,300 *													85
90	58.0	307.1	28,400 *	64.5	314.0	33,200 *													90
95	55.7	303.8	27,400 *	62.4	311.5	31,600 *	66.2	314.4	30,900 *										95
100	53.4	300.3	26,400 *	60.2	308.8	29,500 *	64.1	312.1	28,900 *										100
105	51.0	296.4	25,400 *	58.0	305.8	27,700 *	61.9	309.6	27,100 *										105
110	48.5	292.1	24,300 *	55.7	302.5	26,000 *	59.8	306.8	25,400 *										110
115	45.9	287.5	23,300 *	53.4	299.0	24,400 *	57.5	303.7	23,900 *										115
120	43.1	282.4	22,300 *	51.0	295.1	23,000 *	55.2	300.4	22,500 *	61.8	306.0	20,100							120
125	40.3	276.8	21,400 *	48.5	290.9	21,700 *	52.9	296.8	21,200 *	59.6	303.2	18,900							125
130	37.2	270.6	20,300 *	45.9	286.2	20,500 *	50.4	292.8	20,100 *	57.4	300.2	17,900							130
135	33.9	263.6	19,000 *	43.1	281.1	19,400 *	47.9	288.5	19,000 *	55.1	296.8	16,900							135
140	30.3	255.6	17,900 *	40.3	275.5	18,400 *	45.3	283.8	18,000 *	52.7	293.2	16,000							140
145	26.3	246.3	16,800 *	37.2	269.3	17,500 *	42.5	278.6	17,100 *	50.3	289.2	15,200	57.1	295.1	12,700				145
150	21.6	235.1	15,700 *	33.9	262.3	16,600 *	39.6	272.8	16,200 *	47.7	284.9	14,500	54.8	291.7	12,000				150
155	15.6	220.2	14,500 *	30.3	254.3	15,800 *	36.5	266.5	15,400 *	45.1	280.1	13,700	52.4	288.1	11,400				155
160	4.9	192.5	11,800 *	26.3	245.0	15,000 *	33.2	259.3	14,600 *	42.3	274.9	13,100	49.9	284.0	10,800				160
165				21.6	233.8	14,300 *	29.5	251.1	13,900 *	39.4	269.1	12,500	47.4	279.6	10,300				165
170				15.6	218.9	13,600 *	25.4	241.4	13,200 *	36.3	262.7	11,900	44.7	274.8	9,800	51.8	281.3	7,700	170
175				4.8	191.1	12,700 *	20.4	229.6	12,600 *	32.9	255.4	11,300	41.9	269.5	9,300	49.4	277.2	7,300	175
180							14.0	213.4	12,000 *	29.2	247.1	10,800	39.0	263.6	8,800	46.8	272.7	6,900	180
190										20.1	225.3	9,800	32.5	249.7	8,000	41.3	262.4	6,100	190
200													24.4	231.3	7,200	35.1	249.7	5,500	200
210													12.3	201.1	6,500	27.8	233.3	4,900	210
220																17.9	209.6	4,300	220



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

170 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.7	334.9	32,100 *																50
55	73.9	333.6	31,500 *																55
60	72.0	332.0	30,900 *																60
65	70.1	330.3	30,200 *																65
70	68.2	328.4	29,500 *																70
75	66.2	326.3	28,800 *																75
80	64.3	324.0	28,000 *	70.1	329.0	30,800 *													80
85	62.3	321.5	27,200 *	68.2	327.1	30,600 *													85
90	60.2	318.7	26,400 *	66.2	325.0	30,200 *													90
95	58.1	315.7	25,300 *	64.3	322.7	29,100 *	67.8	325.3	29,000 *										95
100	56.0	312.5	24,200 *	62.3	320.2	28,000 *	65.8	323.2	28,400 *										100
105	53.8	309.0	23,100 *	60.2	317.5	26,900 *	63.8	320.8	26,500 *										105
110	51.6	305.2	22,000 *	58.1	314.5	25,500 *	61.8	318.2	24,900 *										110
115	49.2	301.0	21,000 *	56.0	311.2	24,000 *	59.8	315.4	23,400 *										115
120	46.8	296.6	20,000 *	53.8	307.7	22,600 *	57.7	312.4	22,000 *										120
125	44.3	291.7	19,100 *	51.6	303.9	21,300 *	55.5	309.1	20,700 *	61.7	314.7	18,500							125
130	41.7	286.3	18,200 *	49.2	299.8	20,100 *	53.3	305.5	19,600 *	59.6	311.9	17,500							130
135	38.9	280.4	17,300 *	46.8	295.3	19,000 *	51.1	301.7	18,500 *	57.5	308.8	16,500							135
140	36.0	273.9	16,500 *	44.3	290.4	18,000 *	48.7	297.4	17,500 *	55.4	305.5	15,700							140
145	32.8	266.6	15,700 *	41.7	285.0	17,000 *	46.3	292.9	16,600 *	53.2	301.9	14,800							145
150	29.4	258.3	14,900 *	38.9	279.1	16,100 *	43.8	287.9	15,700 *	50.9	298.0	14,100	57.2	303.8	11,600				150
155	25.5	248.6	14,200 *	36.0	272.6	15,300 *	41.1	282.4	14,900 *	48.6	293.8	13,400	55.1	300.5	11,000				155
160	20.9	237.0	13,600 *	32.8	265.3	14,500 *	38.3	276.4	14,100 *	46.1	289.2	12,700	52.9	296.8	10,400				160
165	15.1	221.6	12,600 *	29.3	257.0	13,800 *	35.3	269.7	13,400 *	43.6	284.2	12,100	50.6	292.9	9,900				165
170	4.7	193.0	10,200 *	25.4	247.3	13,100 *	32.1	262.2	12,800 *	40.9	278.7	11,500	48.2	288.6	9,400				170
175				20.9	235.7	12,500 *	28.5	253.6	12,100 *	38.1	272.6	11,000	45.8	283.9	8,900	52.4	290.1	6,900	175
180				15.1	220.3	11,900 *	24.5	243.6	11,500 *	35.1	265.9	10,400	43.2	278.8	8,400	50.1	286.1	6,500	180
190							13.5	214.7	10,400 *	28.3	249.7	9,500	37.7	267.1	7,600	45.2	277.0	5,700	190
200										19.4	227.1	8,600	31.4	252.6	6,800	39.9	266.1	5,100	200
210													23.6	233.4	6,100	34.0	252.8	4,500	210
220													11.9	202.2	5,500				220



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

170 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.8	343.9	28,300 *																55
60	73.1	342.5	27,800 *																60
65	71.3	340.9	27,000 *																65
70	69.5	339.1	25,900 *																70
75	67.7	337.2	24,800 *																75
80	65.9	335.0	23,800 *																80
85	64.0	332.7	22,700 *	69.5	337.8	26,000 *													85
90	62.1	330.1	21,700 *	67.7	335.9	25,000 *													90
95	60.2	327.4	20,700 *	65.9	333.7	24,000 *													95
100	58.2	324.4	19,700 *	64.0	331.4	23,000 *	67.3	334.1	24,600 *										100
105	56.2	321.2	18,700 *	62.1	328.9	22,000 *	65.5	331.9	23,700 *										105
110	54.2	317.7	17,800 *	60.2	326.1	21,000 *	63.6	329.5	22,800 *										110
115	52.1	314.0	16,900 *	58.2	323.1	20,100 *	61.7	326.9	21,800 *										115
120	49.9	309.9	16,100 *	56.2	319.9	19,100 *	59.8	324.1	20,900 *										120
125	47.7	305.5	15,300 *	54.2	316.4	18,200 *	57.8	321.1	20,000 *										125
130	45.4	300.8	14,500 *	52.1	312.7	17,300 *	55.8	317.8	19,000 *	61.6	323.4	17,300							130
135	42.9	295.7	13,700 *	49.9	308.6	16,400 *	53.7	314.3	18,100 *	59.7	320.6	16,300							135
140	40.4	290.0	13,000 *	47.7	304.3	15,600 *	51.6	310.5	17,300 *	57.7	317.5	15,400							140
145	37.7	283.9	12,300 *	45.3	299.5	14,800 *	49.4	306.3	16,400 *	55.7	314.2	14,600							145
150	34.9	277.1	11,700 *	42.9	294.4	14,000 *	47.2	301.9	15,600 *	53.6	310.7	13,900							150
155	31.8	269.5	11,000 *	40.4	288.8	13,300 *	44.8	297.1	14,800 *	51.5	306.9	13,100	57.4	312.5	10,700				155
160	28.5	260.9	10,200 *	37.7	282.6	12,600 *	42.4	291.8	14,000 *	49.3	302.7	12,500	55.4	309.2	10,200				160
165	24.7	250.9	9,400 *	34.9	275.8	11,900 *	39.8	286.1	13,300 *	47.0	298.2	11,900	53.3	305.6	9,600				165
170	20.3	238.8	8,700 *	31.8	268.2	11,200 *	37.1	279.8	12,600 *	44.7	293.4	11,300	51.2	301.7	9,100				170
175	14.7	222.9	8,000 *	28.4	259.6	10,400 *	34.2	272.8	11,900 *	42.2	288.1	10,700	49.0	297.5	8,600				175
180	4.6	193.4	7,400 *	24.7	249.6	9,600 *	31.1	265.0	11,100 *	39.7	282.3	10,200	46.7	293.0	8,200				180
190				14.6	221.6	8,200 *	23.8	245.8	9,500 *	34.0	269.0	9,300	41.9	282.7	7,300	48.5	290.7	5,500	190
200							13.1	215.8	8,100 *	27.4	252.2	8,400	36.5	270.5	6,600	43.8	281.1	4,800	200
210										18.8	228.8	7,600 *	30.4	255.4	5,900	38.7	269.7	4,200	210
220													22.9	235.5	5,300				220
230													11.5	203.2	4,700				230

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**180 Ft. Boom, 70 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	65.4	253.5	71,400 *b																			40
45	60.8	251.0	67,500 *b																			45
50	56.0	247.9	63,900 *																			50
55	50.9	244.2	60,500 *	66.2	252.6	58,200 *b																55
60	45.4	239.7	57,400 *	61.6	250.1	55,300 *b																60
65	39.4	234.3	53,900 *	56.9	247.1	52,400 *b	65.7	250.8	49,200 *b													65
70	32.4	227.3	49,400 *	51.8	243.5	48,400 *	61.1	248.3	46,900 *b													70
75	23.7	217.9	45,500 *	46.4	239.2	44,600 *	56.3	245.3	43,700 *													75
80	9.1	201.0	35,800 *	40.5	233.9	41,300 *	51.2	241.6	40,500 *													80
85				33.7	227.3	38,400 *	45.8	237.2	37,700 *	61.6	245.1	34,000 b										85
90				25.4	218.5	35,900 *	39.8	231.8	35,200 *	56.8	242.1	31,600										90
95				12.8	204.0	33,600 *	32.8	225.0	32,900 *	51.8	238.5	29,500										95
100							24.3	215.8	30,900 *	46.4	234.2	27,700										100
105							10.5	199.9	29,100 *	40.4	228.9	26,000	57.0	237.3	22,500							105
110										33.6	222.3	24,400	51.9	233.8	21,200							110
115										25.3	213.4	23,000	46.5	229.5	19,900							115
120										12.6	198.8	21,700	40.6	224.2	18,800							120
125													33.8	217.6	17,800	51.6	227.3	15,000				125
130													25.6	208.8	16,800	46.2	223.0	14,200				130
135													13.2	194.6	15,900	40.2	217.6	13,400				135
140																33.3	210.9	12,700				140
145																24.9	202.0	12,100	45.1	214.6	9,800	145
150																12.0	187.0	11,400	39.0	209.1	9,300	150
155																			31.9	202.1	8,800	155
160																			23.1	192.5	8,300	160
165																			7.5	174.1	7,800	165



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

180 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet									
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds										
40	68.7	264.4	68,600 *b	69.3	263.4	56,300 *b																40									
45	64.8	262.2	65,200 *b																			45									
50	60.7	259.6	61,800 *																			50									
55	56.5	256.6	58,700 *																			55									
60	52.1	253.0	55,800 *																			65.4	261.3	53,600 *b	60						
65	47.4	248.8	52,600 *	61.4	258.8	51,000 *	65.0	259.5	45,500 *b													65									
70	42.4	243.8	48,800 *	57.3	255.8	47,800 *																70									
75	36.7	237.7	45,000 *	52.9	252.3	44,000 *																61.0	257.0	43,100 *	75						
80	30.2	230.1	41,600 *	48.3	248.2	40,700 *																56.8	254.0	39,900 *	80						
85	22.1	220.0	38,700 *	43.3	243.3	37,900 *																52.4	250.4	37,100 *	85						
90	8.5	201.7	31,200 *	37.7	237.5	35,300 *	47.7	246.2	34,600 *	61.4	253.8	31,200										90									
95				31.4	230.2	33,000 *	42.7	241.3	32,400 *	57.2	250.8	29,100										95									
100				23.7	220.7	31,000 *	37.1	235.3	30,400 *	52.9	247.3	27,200										100									
105				12.0	205.1	29,200 *	30.7	227.8	28,600 *	48.2	243.2	25,600										105									
110				22.7	217.9	26,900 *	43.2	238.3	24,000	57.4	246.0	20,700										110									
115							9.9	200.7	25,400 *	37.7	232.4	22,700	53.0	242.5	19,500							115									
120										31.4	225.2	21,400	48.4	238.4	18,400							120									
125										23.6	215.6	20,200	43.4	233.6	17,400							125									
130										11.8	199.9	19,100	37.9	227.8	16,400							52.7	236.1	13,700	130						
135										31.6	220.5	15,600	48.0	232.0	13,000							135									
140																						140									
145																						23.9	211.0	14,700	43.0	227.1	12,300	37.5	221.2	11,600	145
150																						12.3	195.7	14,000	31.1	213.8	11,000	47.1	223.7	8,800	150
155																						23.3	204.1	10,400	42.0	218.6	8,300	155			
160																						11.2	188.0	9,900	36.4	212.5	7,900	160			
165																						165									
170																						29.8	204.8	7,400	170						
175																						21.6	194.4	7,000	175						

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**180 Ft. Boom, 90 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	71.1	275.0	63,900 *b																			40
45	67.7	273.1	61,300 *b																			45
50	64.2	270.9	58,600 *																			50
55	60.6	268.3	55,700 *																			55
60	56.9	265.3	52,800 *	68.3	272.1	52,100 *b																60
65	53.0	261.8	49,900 *	64.8	270.0	49,700 *																65
70	48.9	257.7	47,000 *	61.3	267.4	47,400 *	67.9	270.5	44,400 *b													70
75	44.6	253.0	44,200 *	57.6	264.5	43,700 *	64.4	268.2	42,500 *													75
80	39.8	247.5	41,100 *	53.7	261.1	40,400 *	60.9	265.7	39,500 *													80
85	34.6	240.9	38,300 *	49.7	257.1	37,500 *	57.2	262.7	36,700 *													85
90	28.5	232.8	35,700 *	45.3	252.5	35,000 *	53.3	259.2	34,200 *													90
95	20.8	221.9	33,000 *	40.7	247.2	32,700 *	49.2	255.2	32,000 *	61.2	262.4	28,800										95
100	8.0	202.4	26,900 *	35.5	240.8	30,700 *	44.8	250.5	30,000 *	57.5	259.5	26,900										100
105				29.6	233.0	28,800 *	40.1	245.0	28,200 *	53.7	256.0	25,300										105
110				22.3	222.7	27,200 *	34.9	238.5	26,600 *	49.6	252.1	23,800										110
115				11.3	206.1	25,700 *	28.9	230.5	25,100 *	45.3	247.5	22,400	57.7	254.7	19,200							115
120							21.4	219.8	23,700 *	40.6	242.1	21,200	53.8	251.3	18,100							120
125							9.3	201.6	22,500 *	35.5	235.7	20,000	49.8	247.3	17,100							125
130										29.5	227.9	19,000	45.4	242.8	16,200							130
135										22.2	217.6	18,000	40.8	237.4	15,300							135
140										11.2	200.9	17,000	35.6	231.1	14,500	49.5	240.9	12,000				140
145													29.7	223.3	13,800	45.1	236.3	11,300				145
150													22.5	213.1	13,100	40.5	230.9	10,700				150
155													11.6	196.8	12,400	35.3	224.4	10,200				155
160																29.3	216.5	9,700	44.3	227.9	7,600	160
165																21.9	206.1	9,200	39.5	222.3	7,200	165
170																10.5	188.9	8,700	34.2	215.7	6,800	170
175																			28.1	207.4	6,400	175
180																			20.3	196.3	6,000	180



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

180 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	73.1	285.5	51,700 *b																			40
45	70.1	283.9	50,700 *b																			45
50	67.0	281.9	49,800 *																			50
55	63.8	279.6	49,000 *																			55
60	60.6	277.0	48,100 *	70.6	282.8	48,500 *b																60
65	57.2	273.9	45,900 *	67.5	280.9	46,500 *																65
70	53.8	270.5	43,600 *	64.4	278.7	44,500 *																70
75	50.1	266.6	41,300 *	61.1	276.1	42,600 *	67.2	279.2	39,800 *													75
80	46.3	262.1	39,000 *	57.8	273.2	40,100 *	64.0	276.9	38,200 *													80
85	42.2	257.0	36,600 *	54.4	269.8	37,200 *	60.8	274.3	36,400 *													85
90	37.7	251.0	34,500 *	50.8	266.0	34,700 *	57.4	271.3	33,900 *													90
95	32.7	243.9	32,500 *	47.0	261.6	32,400 *	54.0	267.9	31,600 *													95
100	27.0	235.2	30,700 *	42.9	256.6	30,300 *	50.3	264.0	29,600 *	61.1	271.1	26,500										100
105	19.8	223.7	28,400 *	38.5	250.8	28,500 *	46.5	259.6	27,800 *	57.8	268.1	24,800										105
110	7.6	203.1	23,300 *	33.6	243.9	26,800 *	42.4	254.5	26,200 *	54.3	264.8	23,300										110
115				28.0	235.5	25,300 *	38.0	248.6	24,700 *	50.7	260.9	22,000										115
120				21.2	224.6	23,900 *	33.1	241.6	23,300 *	46.9	256.6	20,800	57.9	263.4	17,600							120
125				10.7	207.1	22,600 *	27.4	233.0	22,100 *	42.9	251.5	19,600	54.4	260.0	16,600							125
130							20.3	221.7	20,900 *	38.5	245.7	18,600	50.8	256.2	15,700							130
135							8.8	202.4	19,800 *	33.6	238.8	17,600	47.0	251.8	14,900							135
140										28.0	230.5	16,700	43.0	246.8	14,100							140
145										21.1	219.5	15,900	38.6	241.0	13,400	50.6	249.7	10,900				145
150										10.6	201.9	15,100	33.7	234.2	12,700	46.8	245.3	10,300				150
155													28.2	225.9	12,000	42.7	240.3	9,700				155
160													21.3	215.0	11,400	38.3	234.4	9,200				160
165													11.0	197.8	10,800	33.4	227.5	8,700	46.0	237.0	6,700	165
170																27.8	219.1	8,300	41.9	231.9	6,300	170
175																20.8	208.0	7,800	37.4	225.8	5,900	175
180																10.0	189.8	7,400	32.4	218.7	5,600	180
190																			19.3	198.0	4,900	190



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

180 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.7	295.9	48,900 *b																			40
45	71.9	294.4	48,100 *																			45
50	69.2	292.7	47,300 *																			50
55	66.4	290.6	46,600 *																			55
60	63.5	288.3	45,000 *																			60
65	60.5	285.6	43,100 *	69.6	291.6	45,000 *																65
70	57.5	282.6	41,100 *	66.8	289.7	43,200 *																70
75	54.3	279.2	39,200 *	64.0	287.4	41,500 *																75
80	51.1	275.4	37,200 *	61.0	284.8	39,800 *	66.5	287.9	37,200 *													80
85	47.6	271.1	35,300 *	58.0	281.8	37,100 *	63.7	285.6	35,800 *													85
90	44.0	266.3	33,200 *	54.9	278.5	34,600 *	60.7	283.0	33,700 *													90
95	40.1	260.7	31,400 *	51.6	274.8	32,300 *	57.7	280.0	31,500 *													95
100	35.9	254.3	29,700 *	48.2	270.6	30,200 *	54.5	276.6	29,500 *													100
105	31.2	246.8	28,100 *	44.6	265.8	28,400 *	51.3	272.9	27,700 *	61.0	279.7	24,700										105
110	25.7	237.6	26,700 *	40.8	260.4	26,700 *	47.8	268.6	26,100 *	58.0	276.8	23,300										110
115	18.8	225.4	24,900 *	36.6	254.2	25,200 *	44.2	263.8	24,600 *	54.9	273.5	21,900										115
120	7.3	203.8	20,500 *	32.0	246.9	23,800 *	40.4	258.3	23,200 *	51.6	269.7	20,700										120
125				26.7	238.0	22,500 *	36.2	251.9	22,000 *	48.2	265.5	19,600										125
130				20.2	226.4	21,400 *	31.5	244.5	20,800 *	44.6	260.8	18,500	55.0	268.7	15,600							130
135				10.2	208.0	20,300 *	26.1	235.4	19,700 *	40.8	255.4	17,600	51.7	265.0	14,800							135
140							19.3	223.4	18,800 *	36.6	249.1	16,700	48.3	260.8	14,000							140
145							8.4	203.1	17,800 *	32.0	241.8	15,900	44.7	256.1	13,300							145
150										26.7	232.9	15,100	40.9	250.7	12,600	51.5	258.6	10,200				150
155										20.1	221.3	14,300	36.7	244.4	12,000	48.1	254.3	9,700				155
160										10.1	202.8	13,600	32.1	237.2	11,400	44.5	249.5	9,200				160
165													26.8	228.3	10,800	40.6	244.1	8,700				165
170													20.3	216.9	10,300	36.4	237.8	8,200	47.4	246.1	6,200	170
175													10.5	198.7	9,800	31.8	230.4	7,800	43.8	241.2	5,800	175
180																26.5	221.5	7,400	39.9	235.6	5,500	180
190																9.5	190.7	6,600	30.9	221.5	4,900	190
200																			18.3	199.7	4,300	200



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

180 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	76.0	306.3	46,000 *b																40
45	73.5	304.9	45,300 *																45
50	71.0	303.3	44,500 *																50
55	68.4	301.4	43,100 *																55
60	65.8	299.3	41,600 *																60
65	63.2	297.0	40,100 *																65
70	60.5	294.3	38,500 *	68.9	300.4	41,600 *													70
75	57.7	291.3	36,900 *	66.3	298.4	40,100 *													75
80	54.8	287.9	35,200 *	63.7	296.0	38,600 *													80
85	51.9	284.2	33,600 *	61.0	293.4	36,600 *	66.0	296.7	34,600 *										85
90	48.8	280.1	32,000 *	58.2	290.5	34,000 *	63.4	294.3	33,200 *										90
95	45.5	275.4	30,400 *	55.3	287.2	31,800 *	60.6	291.6	30,900 *										95
100	42.0	270.2	28,700 *	52.4	283.6	29,700 *	57.9	288.7	28,900 *										100
105	38.3	264.3	27,200 *	49.3	279.5	27,900 *	55.0	285.4	27,100 *										105
110	34.3	257.5	25,800 *	46.1	274.9	26,200 *	52.0	281.7	25,500 *	60.9	288.4	22,800							110
115	29.8	249.5	24,500 *	42.7	269.8	24,700 *	48.9	277.5	24,000 *	58.2	285.5	21,500							115
120	24.6	239.8	23,300 *	39.0	264.0	23,300 *	45.7	272.9	22,700 *	55.3	282.2	20,300							120
125	18.0	227.0	21,600 *	35.0	257.4	22,000 *	42.3	267.7	21,400 *	52.3	278.5	19,100							125
130	7.0	204.4	17,900 *	30.6	249.7	20,900 *	38.6	261.9	20,300 *	49.3	274.4	18,100							130
135				25.6	240.3	19,800 *	34.6	255.1	19,200 *	46.0	269.9	17,200	55.4	277.4	14,300				135
140				19.3	228.2	18,800 *	30.1	247.2	18,200 *	42.6	264.8	16,300	52.4	273.8	13,600				140
145				9.8	208.9	17,900 *	24.9	237.6	17,300 *	39.0	259.0	15,500	49.4	269.7	12,900				145
150							18.5	225.1	16,500 *	35.0	252.3	14,700	46.1	265.2	12,200				150
155							8.0	203.8	15,700 *	30.6	244.6	14,000	42.7	260.1	11,600	52.2	267.3	9,200	155
160										25.5	235.2	13,300	39.1	254.3	11,000	49.2	263.3	8,700	160
165										19.2	223.0	12,700	35.1	247.7	10,400	45.9	258.7	8,200	165
170										9.7	203.6	12,100	30.7	240.0	9,900	42.5	253.5	7,800	170
175													25.7	230.6	9,400	38.8	247.7	7,400	175
180													19.5	218.6	9,000	34.8	241.0	7,000	180
190																25.3	223.8	6,200	190
200																9.1	191.5	5,500	200



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

180 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.8	315.3	41,700 *																45
50	72.5	313.8	40,700 *																50
55	70.2	312.1	39,700 *																55
60	67.8	310.2	38,500 *																60
65	65.4	308.1	37,200 *																65
70	63.0	305.6	35,900 *	70.6	311.1	40,000 *													70
75	60.5	302.9	34,600 *	68.2	309.2	38,700 *													75
80	57.9	300.0	33,200 *	65.8	307.1	37,300 *													80
85	55.2	296.7	31,800 *	63.4	304.7	36,000 *	67.9	307.5	33,500 *										85
90	52.5	293.0	30,400 *	60.9	302.1	33,600 *	65.5	305.4	32,400 *										90
95	49.7	289.0	29,100 *	58.3	299.2	31,400 *	63.1	303.0	30,500 *										95
100	46.7	284.5	27,700 *	55.7	295.9	29,300 *	60.6	300.3	28,500 *										100
105	43.6	279.5	26,300 *	53.0	292.3	27,500 *	58.0	297.3	26,800 *										105
110	40.3	274.0	25,000 *	50.2	288.4	25,800 *	55.4	294.1	25,100 *										110
115	36.8	267.7	23,800 *	47.2	284.0	24,300 *	52.7	290.4	23,700 *	60.9	297.1	21,200							115
120	32.9	260.5	22,700 *	44.2	279.1	22,900 *	49.9	286.4	22,300 *	58.3	294.1	20,000							120
125	28.6	252.1	21,600 *	40.9	273.6	21,700 *	46.9	282.0	21,100 *	55.7	290.9	18,900							125
130	23.6	241.9	20,500 *	37.4	267.5	20,500 *	43.8	277.0	19,900 *	53.0	287.3	17,800							130
135	17.3	228.5	18,900 *	33.6	260.5	19,400 *	40.5	271.5	18,900 *	50.2	283.3	16,900							135
140	6.7	205.0	15,700 *	29.4	252.3	18,400 *	37.0	265.3	17,900 *	47.2	278.9	16,000	55.8	286.1	13,300				140
145				24.5	242.5	17,500 *	33.2	258.2	17,000 *	44.1	274.0	15,200	53.0	282.5	12,600				145
150				18.5	229.8	16,600 *	28.9	249.9	16,100 *	40.9	268.6	14,500	50.2	278.6	11,900				150
155				9.4	209.7	15,800 *	23.9	239.8	15,300 *	37.4	262.4	13,700	47.3	274.2	11,300				155
160							17.7	226.7	14,600 *	33.6	255.4	13,100	44.2	269.3	10,700	52.9	276.1	8,400	160
165							7.7	204.5	13,900 *	29.4	247.3	12,500	41.0	263.9	10,200	50.0	272.1	7,900	165
170										24.5	237.4	11,900	37.5	257.8	9,700	47.1	267.7	7,500	170
175										18.5	224.7	11,300	33.7	250.8	9,200	44.0	262.8	7,100	175
180										9.3	204.5	10,800	29.5	242.7	8,700	40.8	257.3	6,700	180
190													18.7	220.3	7,900	33.4	244.1	6,000	190
200																24.3	226.0	5,300	200
210																8.8	192.3	4,700	210

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**180 Ft. Boom, 140 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.9	325.6	37,900 *																45
50	73.8	324.3	37,100 *																50
55	71.6	322.7	36,200 *																55
60	69.5	321.0	35,300 *																60
65	67.3	319.0	34,300 *																65
70	65.0	316.8	33,200 *																70
75	62.7	314.3	32,100 *	69.8	319.9	36,900 *													75
80	60.4	311.6	31,000 *	67.6	318.0	35,800 *													80
85	58.0	308.6	29,900 *	65.4	315.8	34,600 *													85
90	55.6	305.4	28,700 *	63.1	313.4	33,100 *	67.4	316.3	31,100 *										90
95	53.1	301.8	27,600 *	60.8	310.7	30,900 *	65.2	314.1	30,000 *										95
100	50.5	297.8	26,400 *	58.4	307.8	28,800 *	62.9	311.7	28,000 *										100
105	47.8	293.5	25,300 *	56.0	304.6	27,000 *	60.6	309.0	26,200 *										105
110	44.9	288.7	24,200 *	53.5	301.1	25,300 *	58.2	306.0	24,600 *										110
115	42.0	283.4	23,000 *	50.9	297.2	23,800 *	55.7	302.8	23,100 *										115
120	38.8	277.6	21,900 *	48.2	292.9	22,500 *	53.2	299.2	21,800 *	60.8	305.7	19,500							120
125	35.4	271.0	20,900 *	45.4	288.2	21,200 *	50.6	295.3	20,500 *	58.4	302.8	18,400							125
130	31.7	263.4	20,000 *	42.5	283.1	20,000 *	47.9	291.0	19,400 *	56.0	299.6	17,400							130
135	27.6	254.6	19,100 *	39.4	277.3	19,000 *	45.1	286.2	18,400 *	53.5	296.0	16,500							135
140	22.7	244.0	17,900 *	36.0	270.8	18,000 *	42.1	281.0	17,400 *	50.9	292.2	15,600							140
145	16.7	230.0	16,500 *	32.4	263.4	17,000 *	39.0	275.1	16,500 *	48.2	287.9	14,800	56.1	294.8	12,100				145
150	6.5	205.6	13,600 *	28.3	254.9	16,200 *	35.6	268.6	15,600 *	45.4	283.2	14,100	53.6	291.3	11,500				150
155				23.6	244.6	15,400 *	31.9	261.1	14,800 *	42.5	278.0	13,400	51.0	287.4	10,900				155
160				17.9	231.4	14,600 *	27.8	252.4	14,100 *	39.3	272.2	12,700	48.3	283.2	10,300				160
165				9.1	210.5	13,900 *	23.1	241.9	13,400 *	36.0	265.8	12,100	45.5	278.5	9,800				165
170							17.1	228.2	12,700 *	32.3	258.4	11,500	42.5	273.3	9,300	50.8	281.0	7,000	170
175							7.4	205.2	12,100 *	28.3	249.8	11,000	39.4	267.5	8,800	48.1	276.7	6,600	175
180										23.6	239.5	10,500	36.1	261.1	8,300	45.3	272.0	6,300	180
190										8.9	205.3	9,500	28.4	245.2	7,500	39.2	261.0	5,600	190
200													18.0	221.9	6,700	32.2	247.1	4,900	200
210																23.4	228.1	4,300	210



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

180 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.9	334.7	33,900 *																50
55	72.9	333.2	33,200 *																55
60	70.9	331.6	32,400 *																60
65	68.9	329.7	31,600 *																65
70	66.8	327.7	30,700 *																70
75	64.7	325.5	29,800 *																75
80	62.6	323.0	28,900 *	69.2	328.7	33,800 *													80
85	60.4	320.3	28,000 *	67.1	326.7	33,300 *													85
90	58.2	317.3	27,000 *	65.1	324.5	32,300 *													90
95	55.9	314.0	26,100 *	62.9	322.1	30,700 *	66.9	325.0	29,000 *										95
100	53.6	310.5	25,100 *	60.8	319.4	28,700 *	64.8	322.8	27,800 *										100
105	51.1	306.7	24,100 *	58.6	316.5	26,800 *	62.7	320.3	26,000 *										105
110	48.6	302.4	23,200 *	56.3	313.3	25,200 *	60.5	317.6	24,400 *										110
115	46.0	297.8	22,200 *	54.0	309.8	23,700 *	58.3	314.7	23,000 *										115
120	43.3	292.8	21,200 *	51.6	306.0	22,300 *	56.0	311.4	21,600 *	62.9	317.1	19,400							120
125	40.5	287.2	20,300 *	49.1	301.9	21,000 *	53.7	307.9	20,400 *	60.7	314.4	18,300							125
130	37.4	281.0	19,400 *	46.5	297.3	19,900 *	51.3	304.1	19,200 *	58.5	311.5	17,300							130
135	34.2	274.1	18,600 *	43.8	292.3	18,800 *	48.8	299.9	18,200 *	56.3	308.3	16,400							135
140	30.6	266.2	17,800 *	41.0	286.9	17,800 *	46.2	295.3	17,200 *	53.9	304.8	15,500							140
145	26.6	257.0	16,900 *	38.0	280.8	16,900 *	43.5	290.3	16,300 *	51.5	301.0	14,700							145
150	22.0	246.0	15,800 *	34.7	274.0	16,000 *	40.6	284.7	15,500 *	49.1	296.8	14,000	56.3	303.5	11,300				150
155	16.1	231.5	14,600 *	31.2	266.3	15,200 *	37.6	278.6	14,700 *	46.5	292.3	13,300	54.0	300.0	10,700				155
160	6.2	206.1	12,100 *	27.3	257.4	14,500 *	34.4	271.7	14,000 *	43.8	287.3	12,600	51.6	296.2	10,200				160
165				22.8	246.7	13,700 *	30.8	263.9	13,300 *	40.9	281.8	12,000	49.1	292.1	9,600				165
170				17.2	233.0	13,100 *	26.9	254.8	12,600 *	37.9	275.7	11,400	46.6	287.5	9,100				170
175				8.7	211.3	12,500 *	22.3	243.9	12,000 *	34.7	268.9	10,900	43.9	282.6	8,700	51.4	289.8	6,500	175
180							16.5	229.7	11,400 *	31.2	261.2	10,400	41.0	277.1	8,200	49.0	285.6	6,200	180
190										22.8	241.6	9,400 *	34.8	264.3	7,400	43.7	276.1	5,500	190
200										8.6	206.0	8,500 *	27.4	247.7	6,700	37.8	264.5	4,800	200
210													17.4	223.5	6,000	31.1	249.9	4,300	210

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2**180 Ft. Boom, 160 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.9	345.0	30,700 *																50
55	74.0	343.6	30,100 *																55
60	72.1	342.1	29,500 *																60
65	70.2	340.4	28,900 *																65
70	68.3	338.5	28,200 *																70
75	66.4	336.4	27,500 *																75
80	64.4	334.2	26,700 *	70.6	339.4	29,800 *													80
85	62.4	331.6	26,000 *	68.6	337.5	29,600 *													85
90	60.4	328.9	25,200 *	66.7	335.5	29,400 *													90
95	58.3	326.0	24,400 *	64.7	333.2	29,100 *													95
100	56.2	322.7	23,600 *	62.8	330.8	28,100 *	66.5	333.8	26,900 *										100
105	54.0	319.2	22,800 *	60.7	328.1	26,300 *	64.5	331.5	25,500 *										105
110	51.7	315.5	22,000 *	58.6	325.1	24,700 *	62.5	329.0	23,900 *										110
115	49.4	311.3	21,100 *	56.5	322.0	23,200 *	60.5	326.3	22,400 *										115
120	47.0	306.9	20,100 *	54.3	318.5	21,800 *	58.4	323.3	21,100 *										120
125	44.5	302.0	19,200 *	52.1	314.8	20,600 *	56.3	320.1	19,900 *	62.7	325.7	17,900							125
130	41.9	296.7	18,300 *	49.8	310.7	19,400 *	54.1	316.7	18,700 *	60.7	323.0	16,900							130
135	39.1	290.8	17,400 *	47.4	306.3	18,300 *	51.9	312.9	17,700 *	58.6	320.1	16,000							135
140	36.2	284.3	16,600 *	44.9	301.5	17,300 *	49.5	308.8	16,700 *	56.5	316.9	15,100							140
145	33.0	277.1	15,800 *	42.3	296.3	16,400 *	47.1	304.3	15,800 *	54.3	313.5	14,300							145
150	29.6	268.9	15,000 *	39.6	290.5	15,600 *	44.7	299.5	15,000 *	52.1	309.8	13,600							150
155	25.7	259.4	14,300 *	36.7	284.2	14,800 *	42.0	294.2	14,200 *	49.8	305.7	12,900	56.6	312.2	10,300				155
160	21.3	247.9	13,700 *	33.6	277.1	14,000 *	39.3	288.4	13,500 *	47.4	301.3	12,200	54.4	308.7	9,800				160
165	15.6	232.8	12,700 *	30.2	269.0	13,300 *	36.4	281.9	12,800 *	44.9	296.5	11,600	52.2	305.0	9,200				165
170	6.0	206.7	10,400 *	26.4	259.8	12,600 *	33.2	274.8	12,100 *	42.3	291.2	11,000 *	49.9	301.0	8,700				170
175				22.1	248.7	12,000 *	29.8	266.6	11,500 *	39.6	285.5	10,500 *	47.5	296.6	8,300				175
180				16.7	234.5	11,400 *	26.0	257.2	10,900 *	36.7	279.1	9,900 *	45.0	291.8	7,800	52.0	298.6	5,700	180
190							16.0	231.1	9,900 *	30.2	264.0	8,900 *	39.7	280.8	7,000	47.3	290.1	5,000	190
200										22.0	243.6	8,000 *	33.7	267.4	6,300	42.2	280.0	4,400	200
210										8.4	206.8	7,200 *	26.5	250.1	5,600				210
220													16.8	225.0	5,000				220



Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
 142,000 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

777 SERIES 2

180 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.0	354.0	27,200 *													55
60	73.2	352.6	26,700 *													60
65	71.4	351.0	26,200 *													65
70	69.7	349.2	25,600 *													70
75	67.8	347.3	24,800 *													75
80	66.0	345.2	23,700 *													80
85	64.2	342.8	22,700 *	70.0	348.2	25,500 *										85
90	62.3	340.3	21,700 *	68.2	346.3	25,200 *										90
95	60.3	337.6	20,700 *	66.3	344.2	24,200 *										95
100	58.4	334.6	19,800 *	64.5	341.9	23,200 *										100
105	56.4	331.4	18,800 *	62.6	339.4	22,300 *	66.1	342.5	23,900 *							105
110	54.3	328.0	17,900 *	60.7	336.7	21,300 *	64.3	340.2	23,000 *							110
115	52.2	324.2	17,000 *	58.7	333.8	20,400 *	62.4	337.7	22,200 *							115
120	50.1	320.2	16,200 *	56.7	330.7	19,400 *	60.5	334.9	21,100 *							120
125	47.8	315.9	15,400 *	54.7	327.2	18,500 *	58.5	332.0	19,900 *							125
130	45.5	311.1	14,600 *	52.6	323.6	17,600 *	56.5	328.8	18,700 *	62.6	334.4	16,700				130
135	43.1	306.0	13,800 *	50.4	319.6	16,700 *	54.5	325.4	17,600 *	60.7	331.7	15,700				135
140	40.6	300.4	13,100 *	48.2	315.3	15,900 *	52.4	321.7	16,600 *	58.7	328.8	14,900				140
145	37.9	294.3	12,400 *	45.9	310.6	15,100 *	50.2	317.7	15,700 *	56.7	325.6	14,100				145
150	35.1	287.6	11,800 *	43.5	305.6	14,300 *	48.0	313.3	14,900 *	54.7	322.2	13,300				150
155	32.0	280.0	11,100 *	41.0	300.1	13,600 *	45.7	308.6	14,100 *	52.6	318.5	12,700				155
160	28.7	271.5	10,300 *	38.4	294.1	12,900 *	43.3	303.5	13,300 *	50.4	314.6	12,000	56.8	320.9	9,500	160
165	25.0	261.6	9,500 *	35.6	287.4	12,200 *	40.7	298.0	12,600 *	48.2	310.3	11,400	54.7	317.4	9,000	165
170	20.6	249.7	8,800 *	32.6	280.0	11,500 *	38.1	291.9	12,000 *	45.9	305.6	10,800	52.6	313.8	8,500	170
175	15.1	234.2	8,200 *	29.3	271.7	10,700 *	35.3	285.2	11,300 *	43.5	300.5	10,300 *	50.5	309.8	8,000	175
180	5.9	207.2	7,500 *	25.6	262.1	9,900 *	32.2	277.7	10,800 *	41.0	295.0	9,700 *	48.3	305.5	7,600	180
190				16.2	235.9	8,400 *	25.2	259.4	9,700 *	35.6	282.4	8,700 *	43.6	295.8	6,800	190
200							15.5	232.5	8,500 *	29.3	266.6	7,800 *	38.4	284.3	6,100	200
210										21.4	245.5	6,900 *	32.6	270.3	5,400	210
220										8.1	207.5	6,200 *	25.7	252.4	4,800	220
230													16.3	226.4	4,200	230