



Mobile Crane Operator Certification

Lattice Boom Cranes, Carrier/Crawler

Load Chart Handout

for

Manitowoc 777T

LinkBelt HC-248H

Manitowoc 4100W

model 777T

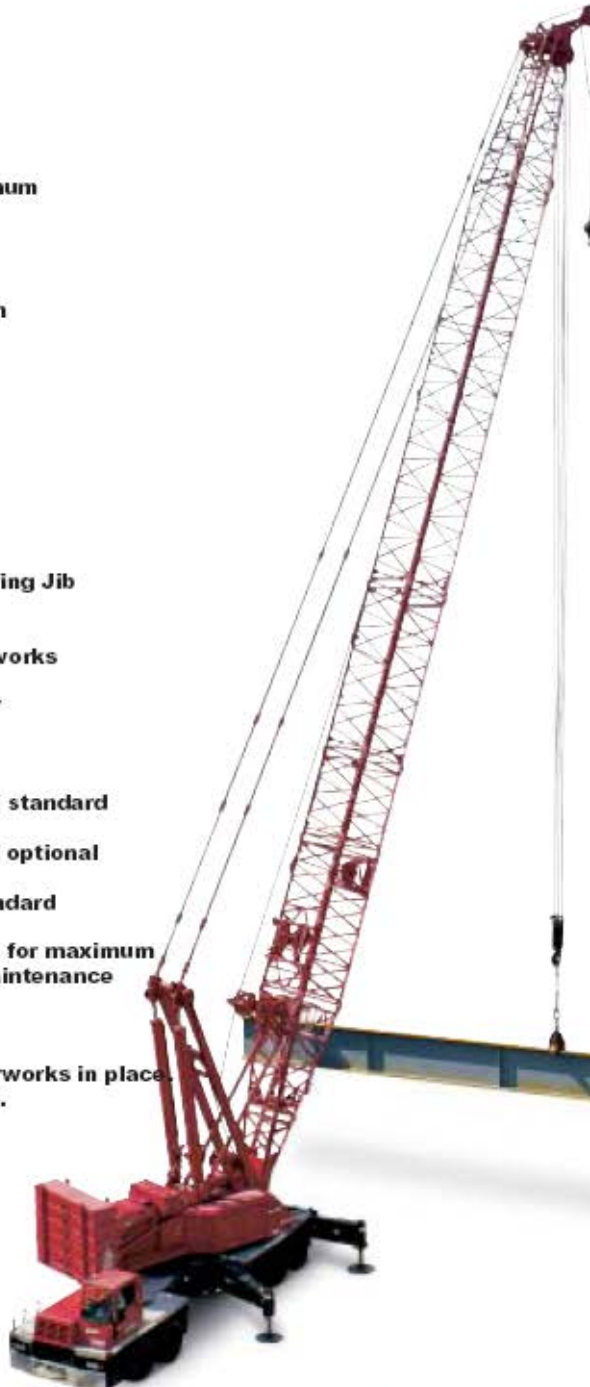
product guide

features

- 181 mton (200 ton) capacity
- 698 mton-m (5,050 kips) Maximum Load Moment
- 82,3 m (270') Heavy-Lift Boom
- 90,8 m (298') Long-Reach Boom
- 91,4 m (300') Fixed Jib on Heavy-Lift Boom
- 96,9 m (318') Fixed Jib on Long-Reach Boom
- 106,7 m (350') Luffing Jib on Heavy-Lift Boom
- 125,0 m (410') Fixed Jib on Luffing Jib on Heavy-Lift Boom
- 195 kW (260 HP) engine upperworks
- 373 kW (500 HP) engine carrier
- EPIC[®] controls
- 135 m/min (442 fpm) line speed standard
- 177 m/min (581 fpm) line speed optional
- 131 kN (29,500 lb) line pull standard
- Hydraulic-cylinder Boom Hoist for maximum performance with minimum maintenance
- Fast, efficient self-assembly
- 10x6 Carrier travels with upperworks in place. 96,6 kph (60 mph) travel speed.
- Manitowoc CraneCARE[®]

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LIFTCRANE BOOM CAPACITIES

**BOOM NO. 78T WITH HEAVY LIFT TOP
 0 LB. TO 95,400 LB. CRANE COUNTERWEIGHT
 WITH 25,000 LB. FRONT BUMPER COUNTERWEIGHT
 RATING OVER REAR OR 360 DEG. ON FULLY
 EXTENDED OUTRIGGERS**

LIFTING CAPACITIES. Lifting capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 85% 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 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 outriggers fully extended (22 ft. 8 in.) and set. Refer to the operators manual for outrigger positioning. Radii less than 32 feet not recommended when lifting over front of truck. Minimum boom angle over truck cab is 24 degrees.

Note: Set four main jacks first, then lower center front jack until it just contacts ground to prevent preloading of center front jack. Center front jack must be used when operating on outriggers.

Refer to boom rigging No. 192043, Wire Rope Specification chart No. 7973-A, and Operating Range Diagram chart No. 7974-A. Crane operator judgement 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 Manitowoc 10 x 6 carrier, 277 in. wheel base, 117 in. front axle track, 100 in. rear axle track, 14.00 x 24 tires, 96 in. front outriggers, 70 in. rear outriggers, two 12 in. boom hoist cylinders, 26 ft. mast, two boom support straps, crane counterweight as specified and with 25,000 lb. front bumper counterweight.

DEDUCTIONS FOR LOAD HANDLING DEVICES

Sheave Block (200 Ton)	5,000 pounds
Sheave Block (45 Ton)	1,500 pounds
Ball (30 Ton)	1,200 pounds
Ball (15 Ton)	900 pounds
Upper Boom Point	1,200 pounds

WIRE ROPE

Line Pull (Main)	32,500 pounds
Line Pull (Auxiliary)	29,500 pounds
Hoist Line	2 pounds per foot

LIFTCRANE JIB CAPACITIES

**JIB NO. 134 WITH 12 FT. 6 IN. STRUT ON
 BOOM NO. 78T WITH HEAVY LIFT TOP
 95,400 LB. CRANE COUNTERWEIGHT
 25,000 LB. FRONT BUMPER COUNTERWEIGHT
 360 DEG. RATING ON FULLY EXTENDED OUTRIGGERS**

LIFTING CAPACITIES. Chart supplements boom capacity chart No. 8063-A. Lifting capacities for various boom lengths, jib lengths and jib operating radii are for freely suspended loads and do not exceed 85% 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 with outriggers fully extended (22 ft. 8 in.) and set. Refer to the operators manual for outrigger positioning. Radii less than 32 feet not recommended when lifting over front of truck. Minimum boom angle over truck cab is 24 degrees.

Note: Set four main jacks first, then lower center front jack until it just contacts ground to prevent preloading of center front jack. Center front jack must be used when operating on outriggers.

Refer to boom rigging No. 192043, jib assembly No. 179331, Wire Rope Specification chart No. 7973-A and Operating Range Diagram chart No. 7974-A. Crane operator judgement 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.

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

MACHINE EQUIPMENT. Machine equipped with Manitowoc 10 x 6 carrier, 277 in. wheel base, 117 in. front axle track, 100 in. rear axle track, 14.00 x 24 tires, 96 in. front outriggers, 70 in. rear outriggers, two 12 in. boom hoist cylinders, 26 ft. mast, two boom support straps, 95,400 lb. crane counterweight and 25,000 lb. front bumper counterweight.

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

**DEDUCTIONS FROM CAPACITIES
 WHEN JIB ATTACHED**

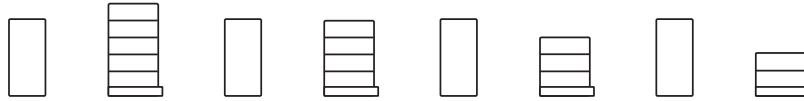
Jib Length (Feet)	Jib No. 134 (Pounds)
30	3,900
40	4,700
50	5,600
60	6,600
70	7,600
80	8,700

Liftcrane Boom Capacities

Boom No. 78T with Heavy Lift Top
0 Lb. to 95,400 Lb. Crane Counterweight
with 25,000 Lb. Front Bumper Counterweight
Rating Over Rear or 360 Degrees on Fully Extended Outriggers

Meets
 ANSI B30.5
 Requirements

140 Ft. Boom



OPER. RADIUS FEET	BOOM ANGLE DEG.	BOOM POINT ELEV. FEET	95,400 LB. CRANE CTWT. 25,000 LB. BUMPER CTWT.		78,400 LB. CRANE CTWT. 25,000 LB. BUMPER CTWT.		61,400 LB. CRANE CTWT. 25,000 LB. BUMPER CTWT.		44,400 LB. CRANE CTWT. 25,000 LB. BUMPER CTWT.		OPER. RADIUS IN FEET
			BOOM CAPACITY 360 DEG. POUNDS	BOOM CAPACITY REAR POUNDS	BOOM CAPACITY 360 DEG. POUNDS	BOOM CAPACITY REAR POUNDS	BOOM CAPACITY 360 DEG. POUNDS	BOOM CAPACITY REAR POUNDS	BOOM CAPACITY 360 DEG. POUNDS	BOOM CAPACITY REAR POUNDS	
24	82.6	147.6	160,600*	160,600*	160,600*	160,600*	160,600*	160,600*	160,600*	160,600*	24
26	81.7	147.3	153,300*	153,300*	153,300*	153,300*	153,300*	153,300*	153,300*	153,300*	26
28	80.9	146.9	145,700*	145,700*	145,700*	145,700*	145,700*	145,700*	145,700*	145,700*	28
30	80.1	146.6	138,700*	138,700*	138,700*	138,700*	138,700*	138,700*	137,400*	137,400*	30
32	79.2	146.2	132,200*	132,200*	132,200*	132,200*	132,200*	132,200*	127,600*	127,600*	32
34	78.4	145.7	126,200*	126,200*	126,200*	126,200*	126,200*	126,200*	115,300	119,000*	34
36	77.6	145.3	120,600*	120,600*	120,600*	120,600*	119,100*	119,100*	104,800	111,400*	36
38	76.7	144.8	115,000*	115,000*	115,000*	115,000*	111,900*	111,900*	95,800	104,600*	38
40	75.9	144.3	109,800*	109,800*	109,800*	109,800*	103,100	105,400*	88,100	98,500*	40
45	73.7	142.8	98,300*	98,300*	97,900*	97,900*	85,700	91,800*	72,900	85,700*	45
50	71.6	141.2	88,700*	88,700*	83,900	86,500*	72,700	81,000*	61,600	75,500*	50
55	69.4	139.3	80,400*	80,400*	72,600	77,200*	62,800	72,200*	52,900	67,200*	55
60	67.2	137.2	72,500	73,200*	63,600	69,400*	54,800	64,900*	46,000	60,300*	60
65	64.9	134.9	64,400	66,900*	56,400	62,900*	48,300	58,700*	40,300	54,500*	65
70	62.6	132.3	57,600	61,200*	50,300	57,300*	43,000	53,400*	35,600	49,500*	70
75	60.3	129.5	52,000	56,100*	45,200	52,500*	38,400	48,900*	31,700	45,200*	75
80	57.9	126.4	47,100	51,700*	40,800	48,300*	34,600	44,900*	28,300	41,500*	80
85	55.4	122.9	42,900	47,800*	37,100	44,600*	31,200	41,400*	25,400	38,200*	85
90	52.8	119.2	39,200	44,300*	33,700	41,300*	28,300	38,200*	22,800	35,200*	90
95	50.2	115.1	36,000	41,200*	30,800	38,300*	25,700	35,500*	20,600	32,600*	95
100	47.4	110.5	33,100	38,400*	28,200	35,600*	23,400	32,900*	18,500	30,200*	100
105	44.5	105.5	30,500	35,700*	25,900	33,200*	21,300	30,700*	16,700	28,100*	105
110	41.5	100.0	28,200	33,300*	23,800	31,000*	19,500	28,600*	15,100	26,100*	110
115	38.2	93.8	26,100	31,000*	21,900	29,000*	17,800	26,700*	13,600	24,100	115
120	34.7	86.8	24,200	28,900*	20,200	27,200*	16,200	24,900*	12,300	22,300	120
125	30.8	78.7	22,400	26,900*	18,600	25,500*	14,800	23,300*	11,000	20,600	125
130	26.4	69.1	20,800	25,100*	17,100	23,900*	13,500	21,800*	9,900	19,100	130
135	21.1	57.2	19,200	23,400*	15,800	22,400*	12,300	20,400*	8,800	17,600	135
140	13.9	40.3	17,800	21,800*	14,400	21,000*	11,100	19,100*	7,700	16,200	140

DEDUCT 1,700 pounds from capacities when boom butt is equipped with auxiliary drum.

Liftcrane Jib Capacities

**Jib No. 134 with 12 Ft. 6 In. Strut on
 Boom No. 78T with Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. Front Bumper Counterweight
 360 Degree Rating on Fully Extended Outriggers**

**Meets
 ANSI B30.5
 Requirements**

40 Ft. Jib

140 Ft. Boom

JIB OPER. RADIUS FEET	5 DEGREE OFFSET			15 DEGREE OFFSET			25 DEGREE OFFSET			JIB OPER. RADIUS FEET
	BOOM ANGLE DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANGLE DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANGLE DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
40	79.8	187.6	52,700*							40
45	78.1	186.5	51,500*	80.3	185.3	46,200*				45
50	76.5	185.2	50,500*	78.7	184.1	45,400*	81.0	181.5	37,800*	50
55	74.9	183.8	49,400*	77.1	182.6	44,600*	79.3	180.1	36,400*	55
60	73.2	182.3	48,500*	75.4	181.1	43,900*	77.6	178.5	35,100*	60
65	71.6	180.6	47,500*	73.7	179.4	43,200*	75.9	176.8	34,000*	65
70	69.9	178.7	46,600*	72.0	177.5	42,600*	74.2	174.9	32,900*	70
75	68.2	176.6	45,800*	70.3	175.4	42,000*	72.5	172.8	31,900*	75
80	66.5	174.4	45,000*	68.6	173.2	41,400*	70.7	170.5	30,900*	80
85	64.7	172.0	43,400*	66.8	170.7	40,800*	68.9	168.0	30,100*	85
90	63.0	169.4	40,500	65.1	168.1	39,500*	67.1	165.4	29,300*	90
100	59.3	163.6	34,300	61.4	162.3	34,700*	63.4	159.4	27,800*	100
110	55.5	156.9	29,300	57.6	155.5	30,000	59.5	152.5	26,500*	110
120	51.6	149.1	25,300	53.5	147.7	25,900	55.3	144.5	25,400*	120
130	47.3	140.2	21,900	49.3	138.6	22,400	51.0	135.2	22,900	130
140	42.8	129.7	19,100	44.7	128.0	19,500	46.2	124.3	19,800	140
150	37.8	117.3	16,600	39.6	115.5	16,900	41.0	111.3	17,200	150
160	32.1	102.3	14,500	33.8	100.1	14,700	34.9	95.2	14,900	160
170	25.2	83.0	12,600	26.7	80.2	12,700				170
180	15.6	54.1	10,800							180

DEDUCT 1,050 pounds from jib capacities when boom butt is equipped with auxiliary drum.

HC-248H

HYLAB Series Lattice Boom Truck Crane
200-ton



Link-Belt
CONSTRUCTION EQUIPMENT

For Lattice Boom Exam Use Only 2024

Link-Belt HC-248H Lift Crane Capacities

Length	Boom			With Counterweight ABC and no bumper counterweight		
				On Outriggers		On Tires
	Radius Feet	Angle Degrees	Boom Pt. Height Feet	360° Pounds	Rear Pounds	Straight Over Rear Pounds
100 feet	18	81.5	106.8	217,000*	217,000*	78,200*
	20	80.4	106.5	211,600*	211,600*	73,900*
	25	77.5	105.5	178,000*	178,000*	64,800*
	30	74.5	104.3	143,300	143,300	57,700*
	35	71.5	102.8	112,000	113,000	47,800
	40	68.5	100.9	91,300	92,800	40,400
	50	62.1	96.3	66,000	67,800	30,400
	60	55.4	90.3	51,200	52,900	24,100
	70	48.1	82.4	41,300	42,900	19,600
	80	39.9	72.1	34,300	35,800	16,200
90	29.9	57.7	29,200	30,400	13,600	
100	14.7	33.3	25,100	26,300	11,500	
110 feet	19	81.8	116.8	200,500*	200,500*	75,400*
	20	81.3	116.6	198,000*	198,000*	73,300*
	25	78.6	115.8	177,700*	177,700*	64,200*
	30	75.9	114.6	143,200	143,200	57,100
	35	73.2	113.3	111,900	112,800	47,500
	40	70.5	111.6	91,100	92,600	40,100
	50	64.9	107.5	65,900	67,600	30,100
	60	59.0	102.2	51,000	52,700	23,900
	70	52.7	95.4	41,100	42,700	19,400
	80	45.8	86.8	34,100	35,600	16,000
	90	38.0	75.6	29,000	30,200	13,400
100	28.4	60.3	24,900	26,200	13,400	
110	14.0	34.6	21,600	22,800	9,700	
120 feet	20	82.0	126.8	186,800*	186,800*	72,600*
	25	79.6	125.9	174,600*	174,600*	63,600*
	30	77.1	124.9	143,000	143,000	56,600*
	35	74.7	123.7	111,800	112,700	47,300
	40	72.2	122.2	90,900	92,400	39,900
	50	67.1	118.5	65,600	67,400	29,900
	60	61.8	113.7	50,800	52,500	23,600
	70	56.2	107.7	40,900	42,500	19,100
	80	50.3	100.2	33,900	35,300	15,800
	90	43.7	90.9	28,800	30,000	13,200
	100	36.3	79.0	24,700	26,000	11,200
	110	27.2	62.8	21,500	22,600	9,500
120	13.4	35.8	18,800	19,800	8,100	

Counterweights:

Upper Cwt. "ABC"	63,440 lbs
Bumper Cwt. "A"	13,500 lbs
Bumper Cwt. "AB"	25,000 lbs

Deductions for

Load Handling Devices:

45-Ton 1-Sheave Block	1,200 lbs
170-Ton 4-Sheave Block	3,600 lbs
25-Ton Ball	700 lbs
Hoist Line	2.5 lbs/ft

Line Pull:

Main Hoist:	Auxiliary Hoist:
30,378 lbs	18,344 lbs

Blocks, slings, and other load carrying devices are considered part of the load. The weight of standard hoisting ropes for the rating at a given radius has been calculated as part of the boom point load and need not be considered in determining net allowable loads.

Ratings shown on this chart make no allowance for such factors as out of plumb loads, wind, poor soil conditions and dynamic effects due to excessive operating speeds. The user must exercise judgement to make allowance for these conditions.

No account is taken of the wind force on the load. This effect, which can be substantial for loads with large surface areas, must be considered by the user. In any wind it is strongly recommended that the tag lines be used to control the load.

When using main hook, while jib is attached, reduce boom capacities by the following values:

- 30 ft jib: 2,600 lbs
- 40 ft jib: 3,000 lbs
- 50 ft jib: 3,400 lbs
- 60 ft jib: 3,800 lbs
- 70 ft jib: 4,200 lbs
- 80 ft jib: 4,600 lbs
- 90 ft jib: 5,000 lbs
- 100 ft jib: 5,400 lbs

When using the main boom fall with jib in place, the main fall ratings must be reduced by the jib effective weight shown on the jib rating chart plus twice the weight of all suspended blocks, slings, rope, etc., at the jib fall.

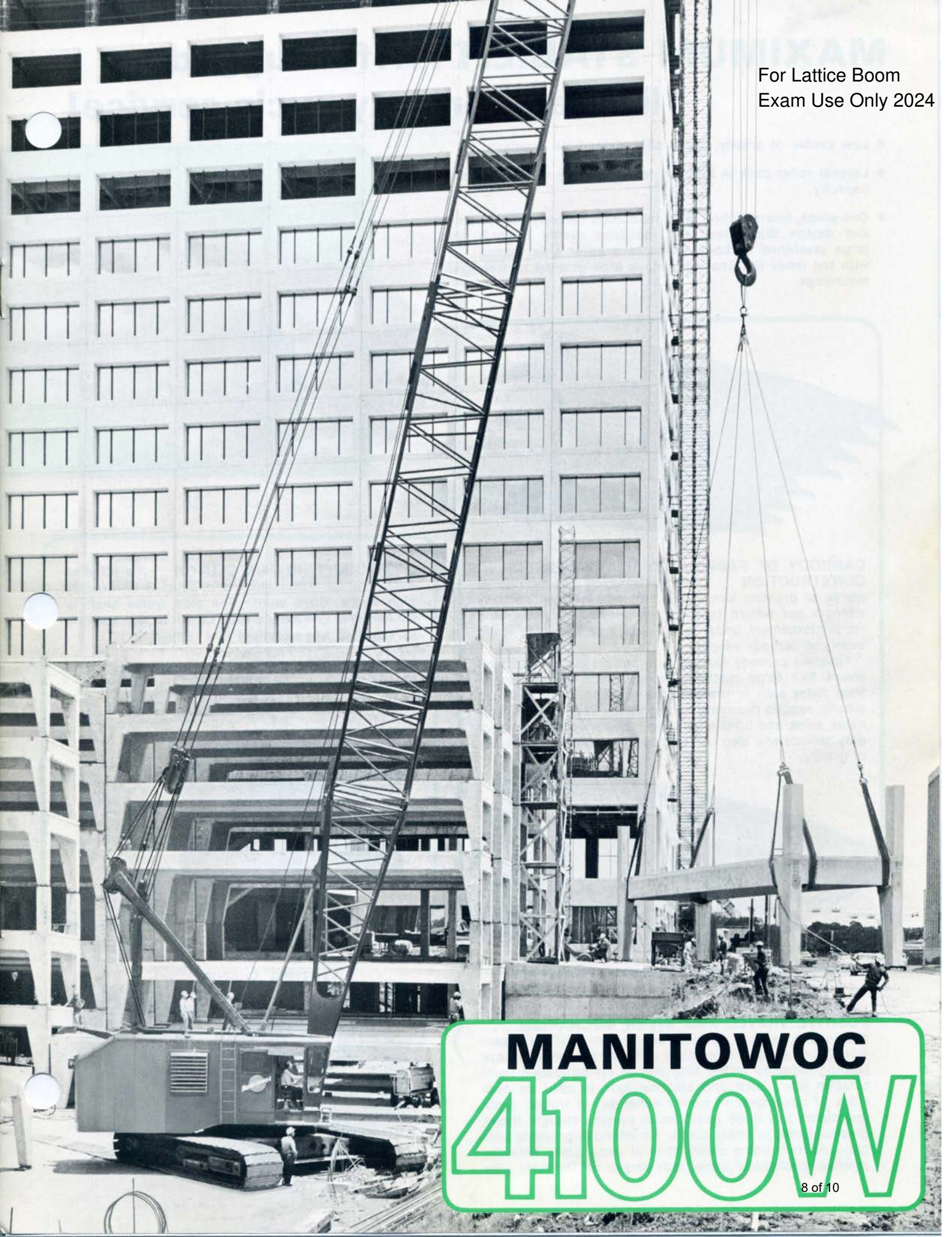
Jib capacities are for 360° swing on five outrigger jacks.

The information on this page is for classroom use only.

Lifting Capacities (Pounds): Tubular Jib, Open Throat Boom

Boom Length	Jib Radius Feet	30 Foot Jib			40 Foot Jib			50 Foot Jib			60 Foot Jib			Jib Radius Feet	
		5°	15°	25°	5°	15°	25°	5°	15°	25°	5°	15°	25°		
140 feet	30	40,000*												30	
	35	40,000*	40,000*		36,000*			32,000*						35	
	40	40,000*	40,000*	40,000*	36,000*	35,900*		32,000*				26,900*		40	
	50	40,000*	40,000*	40,000*	36,000*	35,500*	34,600*	32,000*	31,400*			26,600*	25,900*	50	
	60	40,000*	40,000*	40,000*	36,000*	35,000*	32,000*	32,000*	30,600*	25,800*		26,400*	25,300*	60	
	70	40,000*	40,000*	39,000*	35,600*	34,600*	29,600*	31,700*	29,800*	23,800*		26,200*	24,600*	21,700*	70
	80	33,400	33,900	34,300	33,700	34,300	27,600*	30,900*	29,200*	22,100*		25,500*	23,900*	20,100*	80
	90	28,100	28,500	28,800	28,400	28,900	25,900*	28,600	27,100*	22,300*		24,900*	22,700*	18,700*	90
	100	24,000	24,300	24,600	24,300	24,700	24,400*	24,500	25,000	21,300*		24,000*	22,200*	17,600*	100
	110	21,000	21,200	21,400	21,300	21,600	21,900	21,500	22,000	20,100*		21,300*	20,700*	16,500*	110
	120	18,300	18,500	18,600	18,500	18,800	19,100	18,800	19,200	19,100*		19,000	19,300*	15,700*	120
	130	16,000	16,200	16,300	16,300	16,600	16,800	16,500	16,900	17,200		16,700	17,100	14,900*	130
	140	14,100	14,300		14,400	14,600	14,800	14,600	14,900	15,200		14,800	15,200	14,200*	140
	150	12,500			12,800	12,900		13,000	13,200	13,400		13,200	13,500	13,700*	150
160	11,100			11,300			11,600	11,800			11,800	12,000	12,200	160	
170							10,300				10,500	10,800		170	
180											9,500			180	

For Lattice Boom
Exam Use Only 2024



MANITOWOC
4100W

WEIGHT OF UPPER BOOM POINT, JIB, ALL LOAD BLOCKS, HOOKS, WEIGHT BALL, SLINGS, HOIST LINES, ETC., BENEATH BOOM AND JIB POINT SHEAVES, IS CONSIDERED PART OF THE MAIN BOOM LOAD. BOOM IS NOT TO BE LOWERED BEYOND RADII WHERE COMBINED WEIGHTS ARE GREATER THAN RATED CAPACITY. WHERE NO CAPACITY IS SHOWN, OPERATION IS NOT INTENDED OR APPROVED.

DEDUCT FROM CAPACITIES WHEN UPPER BOOM POINT IS ATTACHED	
ONE SHEAVE POINT:	1,200 LBS
TWO SHEAVE POINT:	1,500 LBS
TO COMPLY WITH B30.5 REQUIREMENTS, UPPER BOOM POINT CANNOT BE USED ON 260 FT BOOM.	

DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED	
JIB LENGTH	JIB NO. 123
30 FT	3,000 LBS
40 FT	3,600 LBS
50 FT	4,200 LBS
60 FT	4,900 LBS
JIB DEDUCTS INCLUDE JIB ADAPTER.	

WEIGHT REDUCTIONS FOR LOAD HANDLING DEVICES	
200 TON BLOCK:	4,740 LBS
30 TON BLOCK:	1,200 LBS
15 TON BALL:	900 LBS

NOTE: HOIST LINE AND WHIP LINE LENGTHS GIVEN IN TABLE WILL ALLOW BLOCK TRAVEL DOWN TO LEVEL OF ROLLER PATH. WHEN BLOCK TRAVEL BELOW ROLLER PATH IS REQUIRED, ADD ADDITIONAL ROPE EQUAL TO PARTS OF LINE TIMES ADDED TRAVEL DISTANCE. HOISTING DISTANCE OR LINE PULL MAY BE LIMITED WHEN BLOCK TRAVEL BELOW ROLLER PATH IS REQUIRED.

HOIST REEVING FOR MAIN LOAD BLOCK						
NO. PARTS OF LINE	1	2	3	4	5	6
MAXIMUM LOAD-LBS.	32,500	65,000	97,500	130,000	162,500	195,000
MAXIMUM LOAD-kg	14 740	29 480	44 230	58 970	73 710	88 460
NO. PARTS OF LINE	7	8	9	10	11	12
MAXIMUM LOAD-LBS.	227,500	260,000	292,500	325,000	357,500	400,000
MAXIMUM LOAD-kg	103 190	117 930	132 680	147 420	162 160	181 440
HOIST LINE:	1-1/8" (29 mm) - 6 x 31 WARRINGTON-SEALE. EXTRA IMPROVED PLOW STEEL. REGULAR LAY. IWRC. MINIMUM BREAKING STRENGTH 130,000 LBS. (58 970 kg) APPROX. WEIGHT = 2.34 LBS. PER FT. (3.48 kg/m)					
WHIP LINE:	1-1/8" (29 mm) - 6 x 31 WARRINGTON-SEAL. IMPROVED PLOW STEEL. REGULAR LAY, IWRC. MINIMUM BREAKING STRENGTH 113,000 LBS. (51 260 kg) MAXIMUM LOAD = 28,300 LBS. (12 840 kg) PER LINE APPROX. WEIGHT = 2.34 LBS. PER FT. (3.48 kg/m)					

SELECTED LIFTCRANE JIB CAPACITIES

JIB NO. 123 WITH 12 FT 6 INCH STRUT ON BOOM NO. 22A OR 22C WITH OPEN THROAT TOP
 122,400 LB. COUNTERWEIGHT • 12 FT 6 INCH CRAWLERS EXTENDED

30 FOOT JIB

Boom Length Feet	Jib Oper Radius Feet	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			Jib Oper Radius Feet
		Boom Angle Degrees	Jib Point Elevation Feet	Capacity Pounds	Boom Angle Degrees	Jib Point Elevation Feet	Capacity Pounds	Boom Angle Degrees	Jib Point Elevation Feet	Capacity Pounds	
110	30	79.9	148.1	40,000 *							30
	35	77.9	147.1	40,000 *	79.9	146.6	40,000 *				35
	40	75.8	145.9	40,000 *	77.8	145.4	40,000 *	79.8	144.1	40,000 *	40
	45	73.8	144.5	40,000 *	75.8	144.0	40,000 *	77.7	142.7	40,000 *	45
	50	71.7	142.9	40,000 *	73.7	142.4	40,000 *	75.6	141.1	40,000 *	50
	55	69.5	141.1	40,000 *	71.5	140.6	40,000 *	73.4	139.3	40,000 *	55
	60	67.4	139.1	40,000 *	69.4	138.6	40,000 *	71.2	137.3	40,000 *	60
	65	65.2	136.9	40,000 *	67.2	136.3	40,000 *	69.0	135.0	40,000 *	65
	70	63.0	134.4	40,000 *	64.9	133.9	40,000 *	66.8	132.5	40,000 *	70
	75	60.7	131.7	40,000 *	62.6	131.1	40,000 *	64.5	129.7	40,000 *	75
	80	58.4	128.7	40,000 *	60.3	128.1	40,000 *	62.1	126.7	39,200 *	80
	90	53.5	121.9	35,900	55.4	121.3	36,400	57.2	119.7	36,500 *	90
	100	48.4	113.6	31,000	50.2	113.0	31,300	51.9	111.3	31,700	100
	110	42.7	103.7	27,000	44.6	103.0	27,300				110
120	36.4	91.4	23,700							120	

