

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

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 1 280 kg minimum block weight.

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 13 mm in 3m. 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 7 544 mm crawlers, 965 mm or 1 219 mm treads, two 305 mm boom hoist cylinders, 7 925 mm mast, four 32 mm boom pendants, 7 part luffing jib hoist reeving, two 38 mm luffing jib pendants, two 35 mm luffing jib backstays, and 47 630 kg crane counterweight.

Consult chart **No. 7982-AM** for lifting off lower boom point with luffing jib attached.



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21.3m (70 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m		
9.1	70.9	44.5	47 400 *b																		9.1	
10.0	68.4	44.2	46 200 *b																		10.0	
12.0	62.5	43.3	41 300 b																		12.0	
14.0	56.3	42.1	33 800	62.2	43.1	32 300 b	65.7	43.4	31 500 b												14.0	
16.0	49.5	40.6	28 400	56.0	41.9	27 100	59.6	42.4	26 400 b												16.0	
18.0	42.0	38.6	24 400	49.2	40.3	23 400	53.2	41.1	22 700	59.2	41.9	21 700									18.0	
20.0	33.2	36.0	21 400	41.7	38.4	20 400	46.1	39.4	19 800	52.7	40.5	18 900									20.0	
22.0	21.5	32.2	18 900	32.8	35.7	18 000	38.1	37.2	17 600	45.6	38.8	16 700	52.2	39.8	15 900						22.0	
24.0				20.9	31.8	16 100	28.3	34.1	15 700	37.5	36.5	14 900	45.0	38.0	14 200						24.0	
26.0										27.5	33.4	13 400	36.8	35.7	12 800	44.1	37.0	12 100			26.0	
28.0													26.5	32.5	11 600	35.7	34.6	11 000	42.9	35.8	28.0	
30.0																25.1	31.2	10 000	34.3	33.3	30.0	
32.0																2.0	22.9	9 100	23.1	29.6	32.0	

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



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21.3m (70 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
9.1	73.3	47.7	43 400 *b																			9.1
10.0	71.2	47.4	42 400 *b																			10.0
12.0	66.2	46.7	40 100 *																			12.0
14.0	60.9	45.7	33 700	66.0	46.4	32 200																14.0
16.0	55.4	44.4	28 300	60.7	45.4	27 000	63.7	45.9	26 400													16.0
18.0	49.5	42.9	24 300	55.1	44.2	23 200	58.4	44.8	22 600													18.0
20.0	42.9	41.0	21 300	49.2	42.6	20 300	52.6	43.4	19 700	58.0	44.2	18 700										20.0
22.0	35.5	38.5	18 800	42.7	40.7	18 000	46.5	41.7	17 400	52.3	42.8	16 600	51.8	42.1	14 000							22.0
24.0	26.3	35.2	16 800	35.2	38.2	16 100	39.6	39.5	15 600	46.1	41.1	14 800	45.5	40.3	12 600	51.1	41.2	12 000				24.0
26.0				25.9	34.8	14 400	31.5	36.7	14 000	39.1	38.9	13 300	45.5	40.3	12 600	51.1	41.2	12 000				26.0
28.0							20.8	32.7	12 700	30.9	36.1	12 100	38.5	38.1	11 500	44.7	39.3	10 800				28.0
30.0										20.0	31.9	11 000	30.1	35.2	10 400	37.6	37.1	9 900	43.7	38.1	9 300	30.0
32.0													18.7	30.8	9 500	29.0	34.0	9 000	36.4	35.7	8 500	32.0
34.0																17.0	29.3	8 300	27.5	32.5	7 800	34.0
36.0																			14.3	27.3	7 100	36.0



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777 SERIES 1

21.3m (70 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg					
9.1	75.2	50.9	39 000 *b																							9.1			
10.0	73.4	50.6	38 000 *b																							10.0			
12.0	69.0	50.0	35 600 *																							12.0			
14.0	64.4	49.1	33 200	68.8	49.8	32 200																				14.0			
16.0	59.7	48.0	28 300	64.2	48.9	26 900																				16.0			
18.0	54.7	46.7	24 200	59.5	47.8	23 100	62.2	48.3	22 500																	18.0			
20.0	49.4	45.2	21 200	54.5	46.5	20 200	57.4	47.1	19 600	61.9	47.7	18 700														20.0			
22.0	43.6	43.3	18 700	49.2	44.9	17 900	52.3	45.7	17 300	57.1	46.6	16 500														22.0			
24.0	37.2	40.9	16 800	43.4	43.0	16 000	46.8	44.0	15 500	51.9	45.1	14 700														24.0			
26.0	29.6	37.9	15 100	36.9	40.7	14 400	40.7	41.9	13 900	46.4	43.4	13 200	51.5	44.4	12 500											26.0			
28.0	19.5	33.5	13 700	29.2	37.6	13 100	33.8	39.3	12 700	40.3	41.3	12 000	45.9	42.6	11 300	50.8	43.5	10 700								28.0			
30.0				19.0	33.1	11 900	25.3	35.7	11 500	33.3	38.6	10 900	39.7	40.5	10 300	45.2	41.7	9 800								30.0			
32.0							12.4	29.9	10 600	24.7	35.0	10 000	32.7	37.8	9 500	39.0	39.4	8 900	44.3	40.4						32.0			
34.0													23.8	34.0	8 700	31.8	36.6	8 200	38.0	35.1						34.0			
36.0													22.6	32.7	7 500	22.6	32.7	7 500	30.5	38.2						36.0			
38.0													5.1	24.6	6 500	5.1	24.6	6 500	20.9	31.1						38.0			

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21.3m (70 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg
10.7	73.8	53.6	34 600 *b																		
12.0	71.1	53.2	33 300 *																		
14.0	67.1	52.4	31 100 *																		
16.0	63.0	51.5	28 500	66.9	52.2	26 900															
18.0	58.7	50.4	24 200	62.8	51.3	23 000	65.2	51.7	22 400												
20.0	54.1	49.1	21 100	58.5	50.2	20 100	61.0	50.6	19 500												
22.0	49.4	47.5	18 700	54.0	48.8	17 700	56.6	49.4	17 200	60.7	50.1	16 300									
24.0	44.2	45.6	16 700	49.2	47.2	15 900	51.9	48.0	15 400	56.3	48.9	14 500									
26.0	38.5	43.3	15 000	44.0	45.3	14 300	47.0	46.3	13 900	51.6	47.4	13 100	55.9	48.2	12 400						
28.0	32.0	40.5	13 600	38.3	43.1	12 900	41.6	44.2	12 500	46.7	45.7	11 900	51.2	46.7	11 200						
30.0	24.0	36.7	12 400	31.7	40.2	11 800	35.6	41.7	11 400	41.2	43.6	10 800	46.2	44.9	10 200						
32.0	11.7	30.5	11 300	23.6	36.4	10 800	28.5	38.5	10 500	35.2	41.1	9 900	40.7	42.8	9 300	45.6	44.0	8 800			
34.0							19.1	34.0	9 600	28.0	37.8	9 100	34.6	40.2	8 600	40.1	41.8	8 000	44.8	42.7	7 500
36.0										18.4	33.2	8 400	27.3	36.9	7 900	33.8	39.1	7 400	39.2	40.5	6 900
38.0													17.4	32.0	7 300	26.3	35.7	6 800	32.8	37.8	6 400
40.0																15.8	30.5	6 300	25.0	34.1	5 900
42.0																13.6	28.4	5 400	13.6	28.4	4 200



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777 SERIES 1

21.3m (70 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m		
10.7	75.3	56.8	32 000 *b																		10.7	
12.0	72.9	56.4	30 800 *																		12.0	
14.0	69.3	55.7	29 100 *																		14.0	
16.0	65.6	54.9	27 300	69.1	55.5	26 900															16.0	
18.0	61.8	53.9	24 300	65.4	54.7	23 000															18.0	
20.0	57.8	52.7	21 100	61.6	53.7	20 100	63.8	54.1	19 400												20.0	
22.0	53.7	51.4	18 700	57.7	52.5	17 700	59.9	53.0	17 200												22.0	
24.0	49.3	49.8	16 700	53.5	51.1	15 800	55.9	51.8	15 300	59.7	52.5	14 500									24.0	
26.0	44.7	47.9	15 000	49.1	49.5	14 300	51.7	50.3	13 800	55.6	51.2	13 100									26.0	
28.0	39.6	45.7	13 600	44.4	47.7	12 900	47.2	48.6	12 500	51.4	49.8	11 800	55.3	50.5	11 200						28.0	
30.0	33.8	43.0	12 500	39.3	45.4	11 800	42.3	46.6	11 400	46.9	48.0	10 800	51.0	49.0	10 100						30.0	
32.0	27.1	39.6	11 400	33.6	42.7	10 800	37.0	44.1	10 500	42.0	46.0	9 900	46.5	47.3	9 300	8 700					32.0	
34.0	18.2	34.8	10 500	26.8	39.3	10 000	30.8	41.2	9 700	36.6	43.5	9 100	41.6	45.2	8 500	8 000					34.0	
36.0				17.7	34.4	9 200	23.3	37.3	8 900	30.4	40.5	8 400	36.1	42.7	7 900	7 400	45.2	45.1	6 900		36.0	
38.0							12.0	31.0	8 200	22.7	36.5	7 700	29.8	39.6	7 300	6 800	40.1	42.9	6 400		38.0	
40.0													22.0	35.5	6 700	6 300	34.5	40.3	5 900		40.0	
42.0																5 800	29.9	37.0	5 400		42.0	
44.0																5 400	6.3	32.4	5 000		44.0	



Liftcrane Luffing Jib Capacities

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21.3m (70 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
12.2	74.1	59.5	28 400 *																			12.2
14.0	71.1	59.0	26 900 *																			14.0
16.0	67.7	58.2	25 400 *																			16.0
18.0	64.3	57.3	23 800	67.6	58.0	22 900																18.0
20.0	60.8	56.3	21 000	64.2	57.1	19 900	66.1	57.4	19 300													20.0
22.0	57.1	55.1	18 500	60.6	56.1	17 600	62.7	56.5	17 000													22.0
24.0	53.3	53.7	16 600	57.0	54.8	15 700	59.1	55.4	15 200													24.0
26.0	49.3	52.1	14 900	53.2	53.4	14 100	55.4	54.1	13 700	58.9	54.9	12 900										26.0
28.0	45.0	50.2	13 500	49.1	51.8	12 800	51.5	52.6	12 400	55.1	53.6	11 700										28.0
30.0	40.4	48.1	12 300	44.8	50.0	11 700	47.3	50.9	11 300	51.2	52.1	10 600	54.8	52.8	10 000							30.0
32.0	35.3	45.5	11 300	40.2	47.8	10 700	42.9	48.9	10 300	47.1	50.3	9 700	50.9	51.3	9 200							32.0
34.0	29.4	42.3	10 400	35.1	45.2	9 800	38.1	46.5	9 500	42.6	48.3	8 900	46.7	49.6	8 400	50.4	50.4	7 900				34.0
36.0	22.3	38.2	9 600	29.2	42.0	9 100	32.7	43.7	8 800	37.8	45.9	8 300	42.2	47.5	7 700	46.2	48.6	7 200				36.0
38.0	11.4	31.6	8 700	21.9	37.8	8 400	26.3	40.2	8 100	32.3	43.1	7 600	37.3	45.1	7 100	41.7	46.5	6 600				38.0
40.0							18.0	35.3	7 500	25.8	39.5	7 100	31.8	42.2	6 600	36.7	44.0	6 200	40.9	45.2	5 700	40.0
42.0										17.3	34.4	6 500	25.2	38.5	6 100	31.1	41.1	5 700	35.9	42.7	5 300	42.0
44.0													16.4	33.3	5 700	24.3	37.3	5 300	30.2	39.6	4 900	44.0
46.0																15.0	31.7	4 900	23.2	35.7	4 500	46.0
48.0																			13.1	29.5	4 200	48.0



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21.3m (70 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree			83 Degree			80 Degree			75 Degree			70 Degree			65 Degree			60 Degree		
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Jib Oper. Rad. m
12.2	75.3	62.7	23 400 *																		12.2
14.0	72.6	62.2	22 700 *																		14.0
16.0	69.5	61.5	21 700 *																		16.0
18.0	66.4	60.7	20 500 *																		18.0
20.0	63.2	59.7	19 300 *	66.3	60.5	19 800															20.0
22.0	59.9	58.7	18 100	63.1	59.5	17 500	64.9	59.9	17 000												22.0
24.0	56.5	57.4	16 500	59.8	58.4	15 600	61.7	58.9	15 100												24.0
26.0	53.0	56.0	14 800	56.4	57.2	14 000	58.3	57.7	13 600	61.5	58.4	12 800									26.0
28.0	49.3	54.4	13 400	52.8	55.8	12 700	54.9	56.4	12 300	58.1	57.2	11 600									28.0
30.0	45.3	52.5	12 200	49.1	54.1	11 600	51.3	54.9	11 200	54.7	55.9	10 500									30.0
32.0	41.1	50.4	11 200	45.2	52.3	10 600	47.5	53.2	10 200	51.0	54.4	9 600	54.4	55.1	9 000						32.0
34.0	36.5	47.9	10 300	40.9	50.1	9 700	43.4	51.2	9 400	47.2	52.6	8 800	50.7	53.6	8 300						34.0
36.0	31.3	45.0	9 500	36.3	47.6	9 000	39.0	48.9	8 700	43.1	50.6	8 200	46.9	51.9	7 600	50.3	52.7	7 100			36.0
38.0	25.2	41.2	8 800	31.1	44.6	8 300	34.1	46.2	8 000	38.7	48.3	7 500	42.8	49.8	7 000	46.4	50.9	6 600			38.0
40.0	17.2	36.1	8 100	24.9	40.9	7 700	28.6	43.0	7 400	33.8	45.6	7 000	38.3	47.5	6 500	42.3	48.8	6 000	45.8	49.7	40.0
42.0				16.8	35.6	7 200	21.8	38.7	6 900	28.2	42.3	6 500	33.4	44.7	6 000	37.8	46.5	5 600	41.6	47.6	42.0
44.0							11.7	32.1	6 400	21.3	37.9	6 000	27.7	41.3	5 600	32.8	43.6	5 200	37.0	45.1	44.0
46.0													20.6	36.9	5 200	26.9	40.1	4 800	31.9	42.2	46.0
48.0																19.6	35.5	4 500	26.0	38.6	48.0
50.0																7.1	27.1	4 100	18.3	33.7	50.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Counterweight

360 Degree Rating

777 SERIES 1

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

21.3m (70 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
13.7	74.3	65.4	21 400 *																			13.7
14.0	73.9	65.4	21 200 *																			14.0
16.0	71.1	64.7	20 100 *																			16.0
18.0	68.2	64.0	18 900 *																			18.0
20.0	65.3	63.1	17 800 *	68.1	63.8	18 900 *																20.0
22.0	62.3	62.1	16 700 *	65.1	62.9	17 500	66.8	63.2	16 800													22.0
24.0	59.2	61.0	15 700 *	62.2	61.9	15 500	63.9	62.3	15 000													24.0
26.0	56.0	59.7	14 700	59.1	60.8	13 900	60.8	61.3	13 400													26.0
28.0	52.7	58.3	13 300	55.9	59.5	12 600	57.7	60.1	12 200	60.6	60.7	11 400										28.0
30.0	49.3	56.7	12 100	52.6	58.1	11 400	54.5	58.7	11 100	57.5	59.5	10 400										30.0
32.0	45.6	54.9	11 100	49.1	56.4	10 500	51.1	57.2	10 100	54.3	58.2	9 500	57.2	58.8	8 900							32.0
34.0	41.7	52.8	10 200	45.5	54.6	9 600	47.6	55.5	9 300	50.9	56.7	8 700	54.0	57.5	8 100							34.0
36.0	37.5	50.3	9 400	41.6	52.5	8 900	43.8	53.5	8 500	47.3	54.9	8 000	50.6	55.9	7 500							36.0
38.0	32.8	47.5	8 700	37.3	50.1	8 200	39.8	51.3	7 900	43.6	53.0	7 400	47.0	54.2	6 900	50.2	55.0	6 400				38.0
40.0	27.5	44.1	8 100	32.6	47.2	7 600	35.4	48.7	7 300	39.5	50.7	6 800	43.2	52.2	6 300	46.6	53.2	5 900				40.0
42.0	20.9	39.6	7 500	27.3	43.7	7 100	30.4	45.6	6 800	35.1	48.1	6 300	39.2	49.9	5 900	42.8	51.2	5 400	46.0	52.0	5 000	42.0
44.0	11.3	32.7	6 700	20.6	39.2	6 600	24.6	41.8	6 300	30.1	44.9	5 900	34.7	47.2	5 400	38.7	48.8	5 000	42.2	49.9	4 600	44.0
46.0							17.1	36.5	5 900	24.2	41.0	5 500	29.6	44.0	5 100	34.1	46.1	4 700	38.0	47.5	4 300	46.0
48.0										16.5	35.7	5 100	23.6	40.1	4 700	29.0	42.9	4 300	33.4	44.8	4 000	48.0
50.0													15.6	34.5	4 400	22.9	38.8	4 000	28.1	41.4	3 700	50.0
52.0																14.4	32.8	3 700	21.8	37.1	3 400	52.0
54.0																			12.7	30.7	3 100	54.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

21.3m (70 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg
13.7	75.3	68.6	19 800 *																		13.7
14.0	75.0	68.5	19 700 *																		14.0
16.0	72.4	67.9	18 500 *																		16.0
18.0	69.7	67.2	17 400 *																		18.0
20.0	67.0	66.4	16 400 *	69.6	67.0	17 400 *															20.0
22.0	64.3	65.5	15 400 *	66.9	66.2	16 400 *															22.0
24.0	61.4	64.5	14 500 *	64.2	65.3	15 300	65.7	65.7	14 900												24.0
26.0	58.6	63.4	13 600 *	61.3	64.3	13 900	62.9	64.7	13 400												26.0
28.0	55.6	62.1	12 800 *	58.4	63.1	12 500	60.1	63.6	12 100												28.0
30.0	52.5	60.6	12 000 *	55.4	61.8	11 400	57.2	62.4	11 000	59.9	63.1	10 300									30.0
32.0	49.2	59.0	11 100	52.3	60.4	10 400	54.1	61.0	10 100	57.0	61.9	9 400									32.0
34.0	45.8	57.2	10 200	49.1	58.7	9 600	51.0	59.5	9 200	53.9	60.5	8 700	56.7	61.2	8 100						34.0
36.0	42.2	55.1	9 400	45.7	56.9	8 800	47.7	57.8	8 500	50.8	59.0	7 900	53.7	59.8	7 400						36.0
38.0	38.4	52.7	8 700	42.1	54.8	8 100	44.2	55.9	7 900	47.4	57.2	7 300	50.5	58.2	6 800						38.0
40.0	34.1	50.0	8 100	38.2	52.4	7 600	40.4	53.7	7 300	43.9	55.3	6 800	47.2	56.5	6 300	50.1	57.3	5 800			40.0
42.0	29.3	46.8	7 500	33.9	49.7	7 000	36.4	51.1	6 800	40.2	53.1	6 300	43.6	54.5	5 800	46.8	55.5	5 400			42.0
44.0	23.7	42.8	7 000	29.1	46.4	6 500	31.9	48.2	6 300	36.1	50.5	5 800	39.9	52.3	5 400	43.2	53.5	5 000			44.0
46.0	16.4	37.3	6 500	23.5	42.4	6 100	26.8	44.6	5 800	31.7	47.5	5 400	35.8	49.7	5 000	39.4	51.2	4 600	42.6	52.2	46.0
48.0				16.1	36.8	5 700	20.6	40.1	5 400	26.5	43.9	5 100	31.2	46.7	4 700	35.3	48.6	4 300	38.8	49.9	48.0
50.0							11.6	33.1	5 100	20.2	39.3	4 700	26.0	43.0	4 300	30.7	45.5	4 000	34.6	47.2	50.0
52.0													19.5	38.2	4 100	25.3	41.7	3 700	29.9	44.1	52.0
54.0																18.6	36.8	3 400	24.4	40.2	54.0
56.0																7.6	28.2	3 100	17.4	34.9	56.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Counterweight

360 Degree Rating

777 SERIES 1

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

21.3m (70 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
15.2	74.4	71.3	17 400 *																			15.2
16.0	73.5	71.1	17 000 *																			16.0
18.0	71.0	70.5	16 000 *																			18.0
20.0	68.5	69.7	15 000 *																			20.0
22.0	66.0	68.9	14 100 *	68.4	69.5	15 000 *																22.0
24.0	63.4	68.0	13 100 *	65.9	68.7	14 000 *																24.0
26.0	60.7	66.9	12 300 *	63.3	67.7	13 100 *	64.8	68.1	13 300													26.0
28.0	58.0	65.7	11 500 *	60.6	66.7	12 300	62.1	67.1	11 900													28.0
30.0	55.2	64.4	10 700 *	57.9	65.5	11 300	59.4	66.0	10 900													30.0
32.0	52.3	62.9	10 000 *	55.1	64.2	10 300	56.7	64.7	9 900	59.3	65.5	9 300										32.0
34.0	49.2	61.3	9 300 *	52.1	62.7	9 500	53.8	63.4	9 100	56.5	64.2	8 500										34.0
36.0	46.0	59.5	8 700 *	49.1	61.0	8 700	50.8	61.8	8 400	53.6	62.8	7 800	56.3	63.5	7 300							36.0
38.0	42.7	57.4	8 100 *	45.9	59.2	8 100	47.7	60.1	7 700	50.7	61.3	7 200	53.4	62.1	6 700							38.0
40.0	39.1	55.1	7 600 *	42.5	57.2	7 500	44.5	58.2	7 100	47.5	59.5	6 700	50.4	60.5	6 200							40.0
42.0	35.2	52.5	7 100 *	38.9	54.8	6 900	41.0	56.0	6 600	44.3	57.6	6 100	47.3	58.8	5 700	50.0	59.6	5 200				42.0
44.0	30.9	49.4	6 600 *	35.0	52.2	6 400	37.3	53.5	6 200	40.8	55.4	5 700	44.0	56.8	5 200	46.9	57.8	4 800				44.0
46.0	25.9	45.7	6 200 *	30.7	49.1	6 000	33.2	50.7	5 700	37.1	52.9	5 300	40.5	54.6	4 900	43.6	55.8	4 500	46.4	56.6	4 100	46.0
48.0	19.9	41.0	5 800 *	25.7	45.3	5 600	28.7	47.4	5 300	33.0	50.1	4 900	36.7	52.1	4 500	40.1	53.6	4 100	43.1	54.6	3 700	48.0
50.0	11.1	33.8	5 200 *	19.6	40.6	5 200	23.3	43.3	5 000	28.3	46.7	4 600	32.6	49.2	4 200	36.3	51.0	3 800	39.5	52.3	3 500	50.0
52.0							16.4	37.7	4 600	22.9	42.5	4 300	27.9	45.8	3 900	32.1	48.1	3 600	35.7	49.7	3 200	52.0
54.0										15.8	36.8	4 000	22.4	41.5	3 600	27.3	44.6	3 300	31.4	46.7	3 000	54.0
56.0													15.1	35.6	3 300	21.7	40.2	3 000	26.5	43.1	2 700	56.0
58.0																14.0	34.0	2 800	20.7	38.5	2 500	58.0
60.0																			12.4	31.8	2 300	60.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

21.3m (70 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree			83 Degree			80 Degree			75 Degree			70 Degree			65 Degree			60 Degree		
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Jib Oper. Rad. m
15.2	75.4	74.5	16 100 *																		15.2
16.0	74.5	74.3	15 700 *																		16.0
18.0	72.2	73.7	14 700 *																		18.0
20.0	69.8	73.0	13 800 *																		20.0
22.0	67.5	72.2	12 900 *	69.8	72.8	13 800 *															22.0
24.0	65.1	71.3	12 000 *	67.4	72.0	12 900 *															24.0
26.0	62.6	70.4	11 200 *	65.0	71.1	12 000 *	66.3	71.5	12 400 *												26.0
28.0	60.1	69.3	10 400 *	62.5	70.1	11 200 *	63.9	70.5	11 600 *												28.0
30.0	57.5	68.1	9 700 *	60.0	69.0	10 400 *	61.4	69.5	10 800 *												30.0
32.0	54.8	66.7	9 000 *	57.4	67.8	9 700 *	58.9	68.3	9 800 *	61.3	69.0	9 200									32.0
34.0	52.1	65.2	8 400 *	54.7	66.5	9 000 *	56.2	67.1	9 000	58.7	67.8	8 400									34.0
36.0	49.2	63.6	7 800 *	52.0	65.0	8 400 *	53.5	65.7	8 300	56.1	66.5	7 700									36.0
38.0	46.2	61.8	7 200 *	49.1	63.3	7 800 *	50.7	64.1	7 600	53.4	65.1	7 100	55.8	65.8	6 600						38.0
40.0	43.1	59.7	6 700 *	46.1	61.5	7 200 *	47.8	62.4	7 100	50.6	63.6	6 500	53.1	64.4	6 000						40.0
42.0	39.7	57.5	6 200 *	42.9	59.5	6 700 *	44.8	60.5	6 500	47.6	61.8	6 100	50.3	62.8	5 600						42.0
44.0	36.1	54.9	5 700 *	39.6	57.2	6 200 *	41.5	58.3	6 100	44.6	59.9	5 600	47.4	61.1	5 200	50.0	61.9	4 700			44.0
46.0	32.2	52.0	5 300 *	36.0	54.6	5 700 *	38.1	55.9	5 600	41.3	57.8	5 200	44.3	59.1	4 800	47.0	60.1	4 300			46.0
48.0	27.8	48.5	4 900 *	32.0	51.7	5 300 *	34.3	53.2	5 200	37.8	55.3	4 800	41.0	57.0	4 400	43.9	58.1	4 000	3 600		48.0
50.0	22.6	44.2	4 400 *	27.6	48.2	4 800 *	30.2	50.0	4 900	34.1	52.6	4 500	37.5	54.5	4 100	40.6	55.9	3 700	3 400		50.0
52.0	15.8	38.5	3 900 *	22.3	43.9	4 400 *	25.4	46.2	4 500	29.9	49.4	4 200	33.7	51.7	3 800	37.1	53.4	3 400	3 100		52.0
54.0				15.5	38.0	3 900 *	19.7	41.4	4 200 *	25.1	45.5	3 900	29.5	48.5	3 500	33.3	50.6	3 200	2 800		54.0
56.0							11.4	34.2	3 700 *	19.2	40.6	3 600	24.7	44.6	3 300	29.0	47.3	2 900	2 600		56.0
58.0													18.7	39.5	3 000	24.0	43.3	2 700	2 400		58.0
60.0																17.8	38.1	2 500	2 200		60.0
62.0																7.9	29.3	2 300	2 000		62.0
64.0																4.9	25.7	2 300	1 800		64.0

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Counterweight

360 Degree Rating

777 SERIES 1

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

24.4m (80 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
9.1	71.2	47.6	47 300 *b																			9.1
10.0	68.7	47.3	46 100 *b																			10.0
12.0	62.8	46.4	41 400 b																			12.0
14.0	56.6	45.2	33 900	63.4	46.3	32 200 b	67.2	46.7	31 300 b													14.0
16.0	49.9	43.7	28 500	57.2	45.1	27 100	61.2	45.7	26 200 b													16.0
18.0	42.4	41.8	24 500	50.5	43.7	23 300	54.9	44.5	22 500													18.0
20.0	33.7	39.3	21 400	43.2	41.8	20 300	48.0	42.9	19 700													20.0
22.0	22.3	35.5	19 000	34.6	39.3	18 000	40.3	40.8	17 400				55.6	43.4	15 500							22.0
24.0				23.5	35.7	16 100	31.1	38.0	15 600				48.8	41.9	13 800							24.0
26.0													41.2	39.9	12 500							26.0
28.0													32.2	37.2	11 300							28.0
30.0													20.0	33.1	10 300							30.0
32.0																						32.0
34.0																						34.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

24.4m (80 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg					
9.1	73.6	50.8	43 200 *b																						9.1				
10.0	71.5	50.5	42 200 *b																						10.0				
12.0	66.4	49.8	40 000 *																						12.0				
14.0	61.2	48.8	33 900	66.9	49.6	32 200 b																			14.0				
16.0	55.7	47.5	28 400	61.7	48.7	26 900	65.1	49.1	26 100 b																16.0				
18.0	49.8	46.0	24 400	56.2	47.5	23 100	59.8	48.1	22 400																18.0				
20.0	43.3	44.1	21 300	50.3	46.0	20 200	54.2	46.8	19 500	60.2	47.6	18 500													20.0				
22.0	35.9	41.7	18 900	43.9	44.1	17 900	48.2	45.2	17 300	54.6	46.4	16 300													22.0				
24.0	26.9	38.4	16 900	36.7	41.8	16 000	41.5	43.2	15 500	48.6	44.8	14 500	54.8	45.7	13 700										24.0				
26.0				27.8	38.6	14 400	33.8	40.6	13 900	42.0	42.8	13 100	48.8	44.2	12 300										26.0				
28.0							24.1	36.9	12 600	34.4	40.3	11 900	42.3	42.2	11 200	48.9	43.3	10 400							28.0				
30.0										24.8	36.7	10 800	34.7	39.7	10 100	42.3	41.4	9 500							30.0				
32.0										8.3	30.0	9 900	25.3	36.2	9 300	34.8	38.8	8 700	42.1	40.2					32.0				
34.0																25.4	35.4	8 000	34.5	37.7					34.0				
36.0																			25.0	34.2					36.0				
38.0																			8.7	27.6					38.0				



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Counterweight

360 Degree Rating

777 SERIES 1

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

24.4m (80 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
9.1	75.5	54.0	38 800 *b																			9.1
10.0	73.6	53.7	37 900 *b																			10.0
12.0	69.2	53.0	35 600 *																			12.0
14.0	64.6	52.2	33 200	69.6	52.9	32 100 b																14.0
16.0	59.9	51.1	28 400	65.1	52.1	26 800																16.0
18.0	55.0	49.9	24 300	60.4	51.1	23 000	63.4	51.5	22 300													18.0
20.0	49.7	48.3	21 300	55.4	49.8	20 100	58.7	50.4	19 400													20.0
22.0	44.0	46.4	18 800	50.2	48.3	17 800	53.6	49.1	17 200	59.0	50.0	16 200										22.0
24.0	37.6	44.1	16 800	44.5	46.4	15 900	48.3	47.5	15 400	54.0	48.7	14 500										24.0
26.0	30.0	41.1	15 200	38.2	44.2	14 400	42.4	45.5	13 900	48.6	47.1	13 000	54.2	48.1	12 200							26.0
28.0	20.2	36.9	13 800	30.8	41.3	13 000	35.7	43.0	12 600	42.8	45.1	11 800	48.9	46.5	11 000							28.0
30.0				21.3	37.2	11 900	27.8	39.8	11 400	36.2	42.7	10 800	43.0	44.5	10 100	48.9	45.6	9 400				30.0
32.0							16.8	34.9	10 500	28.4	39.5	9 800	36.5	42.1	9 200	43.1	43.7	8 600				32.0
34.0										17.7	34.8	9 000	28.8	39.0	8 400	36.6	41.3	7 900	42.9	42.6	7 300	34.0
36.0													18.3	34.4	7 800	28.8	38.2	7 200	36.3	40.2	6 700	36.0
38.0																18.4	33.6	6 700	28.5	37.0	6 200	38.0
40.0																17.9	32.3	5 700	17.9	32.3	5 700	40.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

24.4m (80 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m		
10.7	74.0	56.7	34 300 *b																		10.7	
12.0	71.4	56.3	33 200 *																		12.0	
14.0	67.3	55.5	31 100 *																		14.0	
16.0	63.2	54.6	28 500	67.7	55.4	26 800															16.0	
18.0	58.9	53.5	24 200	63.6	54.5	22 900															18.0	
20.0	54.4	52.2	21 100	59.3	53.4	20 000	62.1	53.9	19 300												20.0	
22.0	49.6	50.6	18 700	54.8	52.1	17 700	57.7	52.8	17 000												22.0	
24.0	44.5	48.8	16 700	50.1	50.6	15 800	53.2	51.4	15 200	58.0	52.4	14 300									24.0	
26.0	38.8	46.5	15 100	45.0	48.7	14 200	48.3	49.8	13 700	53.5	51.0	12 900									26.0	
28.0	32.4	43.7	13 700	39.4	46.5	12 900	43.1	47.8	12 400	48.7	49.4	11 600	53.7	50.4	10 900						28.0	
30.0	24.5	40.0	12 500	33.0	43.8	11 800	37.2	45.4	11 300	43.4	47.5	10 600	48.9	48.8	9 900						30.0	
32.0	12.6	34.1	11 400	25.3	40.2	10 800	30.5	42.5	10 400	37.7	45.1	9 700	43.7	46.9	9 100	48.9	47.9	8 400			32.0	
34.0							22.0	38.4	9 600	31.0	42.2	8 900	37.9	44.5	8 300	43.7	46.0	7 700			34.0	
36.0										22.6	38.2	8 200	31.3	41.6	7 600	38.8	43.7	7 100	43.5	44.9	36.0	
38.0										8.7	31.1	7 600	23.0	37.7	7 100	31.3	40.8	6 600	37.7	42.6	38.0	
40.0																23.1	36.9	6 000	31.1	39.6	40.0	
42.0																22.8	35.7	5 500	22.8	35.7	42.0	
44.0																9.0	28.7	4 700	9.0	28.7	44.0	

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Counterweight

360 Degree Rating

777 SERIES 1

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

24.4m (80 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
10.7	75.5	59.9	31 800 *b																			10.7
12.0	73.1	59.5	30 700 *																			12.0
14.0	69.5	58.8	29 000 *																			14.0
16.0	65.8	58.0	27 300																			16.0
18.0	62.0	57.0	24 400	66.1	57.9	22 900																18.0
20.0	58.0	55.9	21 100	62.3	56.9	20 000	64.8	57.3	19 300													20.0
22.0	53.9	54.5	18 700	58.4	55.8	17 600	61.0	56.3	17 000													22.0
24.0	49.6	52.9	16 700	54.3	54.4	15 800	57.0	55.1	15 200													24.0
26.0	44.9	51.1	15 100	50.0	52.9	14 200	52.8	53.7	13 700	57.3	54.7	12 800										26.0
28.0	39.8	48.9	13 700	45.3	51.1	12 900	48.4	52.1	12 400	53.1	53.3	11 600										28.0
30.0	34.2	46.2	12 500	40.3	48.9	11 800	43.6	50.1	11 300	48.7	51.7	10 600	53.3	52.7	9 900							30.0
32.0	27.5	42.9	11 500	34.7	46.3	10 800	38.4	47.8	10 400	44.0	49.8	9 700	48.9	51.1	9 000							32.0
34.0	18.8	38.2	10 500	28.1	43.0	9 900	32.5	45.0	9 500	38.8	47.5	8 900	44.2	49.2	8 300	48.9	50.2	7 700				34.0
36.0				19.7	38.5	9 200	25.5	41.4	8 800	33.0	44.7	8 200	39.0	46.9	7 600	44.2	48.3	7 100				36.0
38.0							15.8	36.1	8 100	26.0	41.2	7 600	33.2	44.2	7 100	39.1	46.1	6 500	44.0	47.2	6 000	38.0
40.0										16.6	36.1	7 000	26.3	40.7	6 500	33.3	43.3	6 000	38.9	45.0	5 500	40.0
42.0													17.1	35.7	6 100	26.4	39.8	5 600	33.0	42.2	5 100	42.0
44.0																17.2	34.8	5 200	26.1	38.7	4 700	44.0
46.0																			16.8	33.6	4 400	46.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

24.4m (80 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Jib Oper. Rad. m
12.2	74.2	62.6	28 300 *																		12.2
14.0	71.3	62.0	26 900 *																		14.0
16.0	67.9	61.3	25 300 *																		16.0
18.0	64.5	60.4	23 800	68.2	61.2	22 800															18.0
20.0	61.0	59.4	21 100	64.8	60.3	19 800	67.0	60.7	19 100												20.0
22.0	57.3	58.2	18 600	61.3	59.3	17 500	63.6	59.8	16 900												22.0
24.0	53.5	56.8	16 600	57.7	58.1	15 700	60.0	58.7	15 000												24.0
26.0	49.5	55.2	14 900	53.9	56.7	14 100	56.4	57.4	13 500	60.3	58.3	12 700									26.0
28.0	45.3	53.4	13 500	49.9	55.2	12 800	52.5	56.0	12 300	56.6	57.0	11 500									28.0
30.0	40.7	51.2	12 400	45.7	53.4	11 600	48.4	54.4	11 200	52.8	55.6	10 400									30.0
32.0	35.6	48.7	11 300	41.1	51.2	10 700	44.1	52.5	10 200	48.7	54.0	9 500	52.9	55.0	8 800						32.0
34.0	29.8	45.6	10 500	36.1	48.7	9 800	39.4	50.2	9 400	44.4	52.1	8 800	48.9	53.4	8 100						34.0
36.0	22.7	41.5	9 600	30.4	45.7	9 000	34.2	47.5	8 700	39.7	49.9	8 100	44.6	51.5	7 500	48.9	52.5	6 900			36.0
38.0	12.2	35.2	8 800	23.4	41.7	8 400	28.1	44.2	8 000	34.5	47.2	7 500	39.9	49.3	6 900	44.6	50.6	6 400			38.0
40.0							20.5	39.8	7 500	28.5	44.0	6 900	34.8	46.7	6 400	40.0	48.4	5 900	44.5	49.5	40.0
42.0										21.1	39.6	6 400	28.8	43.4	5 900	34.8	45.8	5 400	39.8	47.3	42.0
44.0										8.9	32.2	5 900	21.4	39.2	5 500	28.9	42.6	5 000	34.6	44.7	44.0
46.0													21.5	38.3	4 700	21.5	38.3	4 300	28.6	41.4	46.0
48.0																21.2	37.1	3 900	21.2	37.1	48.0
50.0																9.2	29.8	3 600	9.2	29.8	50.0

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Counterweight

360 Degree Rating

777 SERIES 1

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

24.4m (80 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
12.2	75.5	65.8	23 100 *																			12.2
14.0	72.8	65.2	22 500 *																			14.0
16.0	69.7	64.6	21 700 *																			16.0
18.0	66.6	63.8	20 500 *																			18.0
20.0	63.4	62.8	19 300 *	66.9	63.6	19 800																20.0
22.0	60.1	61.8	18 200	63.7	62.7	17 400	65.8	63.1	16 800													22.0
24.0	56.7	60.5	16 600	60.4	61.7	15 500	62.6	62.2	15 000													24.0
26.0	53.2	59.1	14 800	57.0	60.4	14 000	59.2	61.0	13 400	62.8	61.7	12 500										26.0
28.0	49.5	57.5	13 500	53.5	59.1	12 700	55.8	59.8	12 200	59.5	60.6	11 300										28.0
30.0	45.6	55.7	12 300	49.8	57.5	11 500	52.2	58.3	11 100	56.0	59.4	10 300										30.0
32.0	41.3	53.6	11 200	45.9	55.7	10 600	48.5	56.7	10 100	52.5	57.9	9 400	56.2	58.7	8 700							32.0
34.0	36.8	51.1	10 400	41.7	53.6	9 700	44.5	54.8	9 300	48.7	56.3	8 700	52.6	57.3	8 000							34.0
36.0	31.6	48.2	9 600	37.2	51.2	9 000	40.2	52.6	8 600	44.8	54.4	8 000	48.9	55.7	7 400							36.0
38.0	25.6	44.5	8 900	32.1	48.3	8 300	35.5	50.0	7 900	40.5	52.2	7 400	44.9	53.8	6 800	48.9	54.8	6 200				38.0
40.0	17.7	39.5	8 200	26.2	44.7	7 700	30.1	46.9	7 400	35.8	49.7	6 800	40.7	51.6	6 300	45.0	52.9	5 800				40.0
42.0				18.6	39.8	7 200	23.8	43.0	6 800	30.5	46.6	6 300	36.0	49.1	5 800	40.7	50.8	5 300	44.8	51.8	4 800	42.0
44.0							15.1	37.3	6 300	24.2	42.8	5 900	30.8	46.1	5 400	36.1	48.3	4 900	40.6	49.7	4 500	44.0
46.0										15.8	37.3	5 500	24.5	42.3	5 000	30.8	45.2	4 600	35.9	47.1	4 100	46.0
48.0													16.2	36.9	4 600	24.6	41.4	4 200	30.6	44.1	3 800	48.0
50.0																16.3	36.1	3 900	24.3	40.2	3 500	50.0
52.0																			15.9	34.8	3 200	52.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

24.4m (80 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Jib Oper. Rad. m
13.7	74.4	68.5	21 100 *																		13.7
22.0	62.4	65.2	16 800 *	65.7	66.1	17 400															14.0
24.0	59.4	64.1	15 800 *	62.7	65.1	15 400	64.7	65.6	14 800												16.0
26.0	56.2	62.9	14 800	59.6	64.0	13 900	61.6	64.5	13 300												18.0
28.0	52.9	61.4	13 400	56.5	62.8	12 500	58.5	63.4	12 000	61.9	64.1	11 200									20.0
30.0	49.4	59.8	12 200	53.2	61.4	11 400	55.3	62.1	10 900	58.8	63.0	10 200									22.0
32.0	45.8	58.0	11 200	49.8	59.8	10 400	52.0	60.6	10 000	55.6	61.7	9 300									24.0
34.0	41.9	55.9	10 300	46.1	58.0	9 600	48.5	59.0	9 200	52.2	60.2	8 500	55.7	61.1	7 900						26.0
36.0	37.7	53.5	9 500	42.3	55.9	8 800	44.8	57.1	8 500	48.8	58.6	7 800	52.4	59.6	7 200						28.0
38.0	33.1	50.7	8 700	38.1	53.6	8 100	40.9	54.9	7 800	45.1	56.7	7 200	48.9	58.0	6 600						30.0
40.0	27.8	47.3	8 100	33.6	50.8	7 600	36.6	52.4	7 200	41.2	54.6	6 700	45.2	56.1	6 100	48.9	57.1	5 600			32.0
42.0	21.3	42.9	7 600	28.3	47.5	7 000	31.8	49.5	6 700	36.9	52.1	6 200	41.3	54.0	5 700	45.3	55.3	5 200			34.0
44.0	12.0	36.2	6 800	22.0	43.2	6 500	26.3	45.9	6 200	32.1	49.2	5 700	37.1	51.5	5 300	41.3	53.1	4 800	45.1	54.2	42.0
46.0							19.3	41.1	5 800	26.7	45.6	5 300	32.4	48.6	4 800	37.1	50.7	4 400	41.2	52.0	44.0
48.0										19.9	41.0	4 900	26.9	45.1	4 500	32.4	47.8	4 100	36.9	49.6	46.0
50.0										9.1	33.3	4 600	20.2	40.5	4 200	27.0	44.3	3 800	32.2	46.7	48.0
52.0																20.2	39.7	3 500	26.8	43.1	50.0
54.0																			20.0	38.5	52.0
56.0																			9.4	30.9	54.0
																					56.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Counterweight

360 Degree Rating

777 SERIES 1

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

24.4m (80 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg
13.7	75.5	71.7	19 700 *																		
14.0	75.1	71.6	19 600 *																		
16.0	72.5	71.0	18 500 *																		
18.0	69.9	70.3	17 400 *																		
20.0	67.2	69.5	16 400 *	70.1	70.2	17 500 *															
22.0	64.4	68.6	15 500 *	67.4	69.4	16 500 *															
24.0	61.6	67.6	14 500 *	64.7	68.5	15 300	66.5	68.9	14 800												
26.0	58.7	66.5	13 700 *	61.9	67.5	13 800	63.7	68.0	13 200												
28.0	55.7	65.2	12 800 *	59.0	66.4	12 500	60.9	66.9	12 000												
30.0	52.6	63.7	12 000 *	56.0	65.1	11 400	57.9	65.7	10 900	61.0	66.5	10 100									
32.0	49.4	62.1	11 100	52.9	63.7	10 400	54.9	64.4	9 900	58.1	65.3	9 300									
34.0	46.0	60.3	10 200	49.7	62.1	9 500	51.8	62.9	9 100	55.1	64.0	8 400									
36.0	42.4	58.3	9 400	46.3	60.3	8 800	48.6	61.3	8 400	52.0	62.5	7 800	55.3	63.4	7 200						
38.0	38.6	55.9	8 700	42.8	58.3	8 100	45.1	59.4	7 800	48.8	60.9	7 200	52.2	61.9	6 600						
40.0	34.4	53.2	8 100	38.9	55.9	7 500	41.5	57.3	7 200	45.3	59.0	6 600	48.9	60.3	6 100	52.2	61.1	5 500			
42.0	29.6	50.0	7 500	34.8	53.3	7 000	37.5	54.8	6 700	41.7	56.9	6 100	45.5	58.4	5 600	48.9	59.4	5 100			
44.0	24.1	46.0	7 000	30.1	50.1	6 500	33.2	52.0	6 200	37.8	54.5	5 700	41.9	56.3	5 200	45.5	57.6	4 700			
46.0	16.9	40.7	6 500	24.6	46.3	6 100	28.3	48.7	5 800	33.5	51.7	5 300	38.0	53.9	4 800	41.9	55.5	4 400	3 900		
48.0				17.7	41.1	5 600	22.4	44.4	5 400	28.6	48.4	4 900	33.7	51.2	4 500	38.0	53.1	4 100	3 600		
50.0							14.5	38.4	5 000	22.9	44.3	4 600	28.8	47.9	4 200	33.7	50.3	3 800	3 300		
52.0										15.2	38.4	4 300	23.1	43.8	3 900	28.9	47.0	3 500	3 100		
54.0													15.5	38.1	3 600	23.2	42.9	3 200	2 800		
56.0																15.6	37.2	2 900	2 600		
58.0																				36.0	2 400



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

24.4m (80 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree			83 Degree			80 Degree			75 Degree			70 Degree			65 Degree			60 Degree		
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Jib Oper. Rad. m
15.2	74.6	74.4	17 400 *																		15.2
16.0	73.6	74.2	17 000 *																		16.0
18.0	71.2	73.6	16 000 *																		18.0
20.0	68.7	72.8	15 000 *																		20.0
22.0	66.1	72.0	14 100 *	68.9	72.7	15 100 *															22.0
24.0	63.5	71.1	13 200 *	66.4	71.9	14 200 *															24.0
26.0	60.9	70.0	12 300 *	63.8	70.9	13 300 *	65.4	71.4	13 100												26.0
28.0	58.1	68.8	11 500 *	61.1	69.9	12 400	62.8	70.4	11 800												28.0
30.0	55.3	67.5	10 800 *	58.4	68.7	11 200	60.2	69.3	10 800												30.0
32.0	52.4	66.1	10 100 *	55.6	67.4	10 200	57.4	68.1	9 800	60.3	68.9	9 100									32.0
34.0	49.4	64.4	9 400 *	52.7	66.0	9 400	54.6	66.7	9 000	57.6	67.7	8 300									34.0
36.0	46.2	62.6	8 800 *	49.7	64.4	8 700	51.6	65.2	8 300	54.8	66.3	7 600									36.0
38.0	42.9	60.6	8 200 *	46.5	62.6	8 000	48.6	63.6	7 600	51.8	64.8	7 000	54.9	65.7	6 400						38.0
40.0	39.3	58.3	7 700 *	43.2	60.6	7 400	45.4	61.7	7 100	48.8	63.2	6 500	52.0	64.2	5 900						40.0
42.0	35.4	55.7	7 100 *	39.6	58.3	6 900	42.0	59.6	6 500	45.6	61.3	6 000	48.9	62.6	5 500						42.0
44.0	31.1	52.6	6 700 *	35.8	55.7	6 400	38.3	57.2	6 100	42.2	59.2	5 600	45.7	60.7	5 100	48.9	61.7	4 600			44.0
46.0	26.2	49.0	6 200 *	31.5	52.7	5 900	34.3	54.5	5 700	38.6	56.9	5 200	42.3	58.7	4 700	45.7	59.9	4 200			46.0
48.0	20.3	44.3	5 900 *	26.7	49.1	5 600	29.9	51.3	5 300	34.6	54.2	4 800	38.7	56.3	4 300	42.4	57.8	3 900	3 500		48.0
50.0	11.8	37.3	5 300 *	20.9	44.6	5 200	24.8	47.5	4 900	30.2	51.1	4 400	34.8	53.6	4 000	38.7	55.5	3 600	3 200		50.0
52.0							18.4	42.4	4 500	25.2	47.2	4 100	30.4	50.5	3 700	34.8	52.8	3 300	2 900		52.0
54.0										18.9	42.3	3 800	25.4	46.7	3 400	30.5	49.7	3 000	2 700		54.0
56.0										9.3	34.4	3 600	19.2	41.9	3 200	25.5	45.9	2 800	2 400		56.0
58.0																19.3	41.0	2 600	2 300		58.0
60.0																			2 100		60.0
62.0																			1 800		62.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Counterweight

360 Degree Rating

777 SERIES 1

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

24.4m (80 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg
15.2	75.5	77.6	16 000 *																		
16.0	74.6	77.4	15 600 *																		
18.0	72.3	76.8	14 700 *																		
20.0	70.0	76.1	13 800 *																		
22.0	67.6	75.3	12 900 *	70.2	76.0	13 900 *															
24.0	65.2	74.4	12 100 *	67.8	75.2	13 000 *															
26.0	62.7	73.5	11 300 *	65.4	74.3	12 200 *	67.0	74.7	12 600 *												
28.0	60.2	72.4	10 500 *	63.0	73.4	11 400 *	64.6	73.8	11 800												
30.0	57.6	71.2	9 800 *	60.4	72.3	10 600 *	62.1	72.8	10 600												
32.0	55.0	69.8	9 100 *	57.9	71.1	9 900 *	59.5	71.7	9 700	62.2	72.3	9 000									
34.0	52.2	68.4	8 400 *	55.2	69.8	9 200 *	56.9	70.4	8 900	59.7	71.2	8 200									
36.0	49.4	66.7	7 800 *	52.5	68.3	8 500 *	54.3	69.1	8 200	57.1	70.0	7 500									
38.0	46.4	64.9	7 300 *	49.6	66.7	7 900	51.5	67.5	7 500	54.4	68.6	6 900									
40.0	43.2	62.9	6 800 *	46.7	64.9	7 300	48.6	65.9	7 000	51.7	67.1	6 400	54.6	68.0	5 800						
42.0	39.9	60.6	6 300 *	43.5	62.9	6 800	45.6	64.0	6 400	48.8	65.5	5 900	51.8	66.5	5 300						
44.0	36.3	58.1	5 800 *	40.2	60.7	6 300	42.4	61.9	6 000	45.8	63.6	5 400	48.9	64.9	4 900						
46.0	32.4	55.2	5 400 *	36.7	58.1	5 800	39.0	59.6	5 600	42.6	61.6	5 100	45.9	63.0	4 600	48.9	64.0	4 100			
48.0	28.0	51.7	4 900 *	32.8	55.3	5 400 *	35.3	57.0	5 200	39.2	59.3	4 700	42.8	61.0	4 200	45.9	62.2	3 800			
50.0	22.9	47.5	4 400 *	28.4	51.9	4 900 *	31.3	53.9	4 800	35.6	56.7	4 400	39.4	58.7	3 900	42.8	60.1	3 500	45.8	61.1	3 100
52.0	16.3	41.9	3 900 *	23.4	47.8	4 400 *	26.8	50.3	4 500	31.6	53.6	4 100	35.8	56.1	3 600	39.4	57.8	3 200	42.7	59.0	2 800
54.0				17.0	42.3	4 000 *	21.3	45.8	4 200	27.1	50.1	3 800	31.8	53.1	3 400	35.8	55.2	3 000	39.3	56.7	2 600
56.0							14.1	39.6	3 800	21.7	45.7	3 500	27.3	49.6	3 100	31.8	52.3	2 700	35.7	54.1	2 400
58.0										14.7	39.6	3 200	22.0	45.2	2 800	27.3	48.7	2 500	31.7	51.1	2 200
60.0													15.0	39.2	2 700	22.0	44.4	2 300	27.2	47.6	1 900
62.0															2 100	15.1	38.4	2 100			62.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

27.4m (90 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg					
9.1	71.5	50.7	47 000 *b																						9.1				
10.0	69.0	50.4	45 900 *b																						10.0				
12.0	63.1	49.5	41 400 b																						12.0				
14.0	56.9	48.3	33 800	64.5	49.5	31 900 b																			14.0				
16.0	50.3	46.9	28 500	58.4	48.4	26 900	62.9	49.0	26 000 b																16.0				
18.0	42.9	45.0	24 500	51.8	47.0	23 100	56.6	47.8	22 300																18.0				
20.0	34.2	42.5	21 400	44.6	45.2	20 200	49.9	46.3	19 400																20.0				
22.0	23.0	38.8	18 900	36.3	42.9	17 900	42.5	44.4	17 200																22.0				
24.0				25.9	39.6	16 000	33.8	41.9	15 400																24.0				
26.0							22.3	38.1	13 900																26.0				
28.0																									28.0				
30.0																									30.0				
32.0																									32.0				
34.0																									34.0				
36.0																									36.0				

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Counterweight

360 Degree Rating

777 SERIES 1

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

27.4m (90 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
9.1	73.8	53.9	42 900 *b																			9.1
10.0	71.7	53.6	41 900 *b																			10.0
12.0	66.7	52.8	39 800 *																			12.0
14.0	61.5	51.9	33 800	67.9	52.8	31 900 b																14.0
16.0	56.0	50.7	28 300	62.7	51.9	26 700																16.0
18.0	50.1	49.2	24 400	57.2	50.7	23 000	61.2	51.4	22 100	62.3	51.0	18 100										18.0
20.0	43.7	47.3	21 300	51.5	49.3	20 100	55.7	50.1	19 300	56.8	49.8	16 000										20.0
22.0	36.3	44.9	18 900	45.2	47.5	17 700	49.8	48.6	17 100	51.0	48.4	14 300										22.0
24.0	27.4	41.7	16 900	38.1	45.3	15 900	43.3	46.7	15 200	44.7	46.6	12 800										24.0
26.0				29.6	42.3	14 300	36.0	44.3	13 700				52.0	47.9	11 900							26.0
28.0				18.0	37.8	13 000	27.0	41.0	12 400	37.5	44.3	11 600	45.8	46.1	10 800							28.0
30.0							13.2	35.6	11 300	28.9	41.2	10 600	38.8	43.9	9 800	46.6	45.4	9 100				30.0
32.0										16.8	36.5	9 700	30.5	41.1	9 000	39.8	43.3	8 300	47.2	44.4	7 600	32.0
34.0													19.4	36.8	8 300	31.7	40.5	7 600	40.4	42.3	7 000	34.0
36.0																21.1	36.5	7 000	32.4	39.6	6 400	36.0
38.0																		5 900	22.2	35.8	5 900	38.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

27.4m (90 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m		
9.1	75.7	57.0	38 400 *b																		9.1	
10.0	73.8	56.8	37 600 *b																		10.0	
12.0	69.4	56.1	35 500 *																		12.0	
14.0	64.9	55.3	33 200																		14.0	
16.0	60.2	54.3	28 400	65.9	55.3	26 700															16.0	
18.0	55.2	53.0	24 300	61.3	54.3	22 900	64.7	54.8	22 000												18.0	
20.0	50.0	51.5	21 200	56.4	53.1	20 000	60.0	53.7	19 200												20.0	
22.0	44.3	49.6	18 800	51.2	51.6	17 700	55.0	52.5	17 000	60.9	53.4	15 800									22.0	
24.0	37.9	47.3	16 800	45.6	49.8	15 800	49.7	50.9	15 200	56.0	52.2	14 100									24.0	
26.0	30.5	44.4	15 200	39.4	47.7	14 200	44.0	49.1	13 700	50.8	50.7	12 700	56.8	51.6	11 800						26.0	
28.0	20.8	40.2	13 800	32.3	44.9	12 900	37.6	46.7	12 400	45.2	48.9	11 500	51.7	50.2	10 700						28.0	
30.0				23.3	41.1	11 800	30.1	43.7	11 300	38.9	46.7	10 500	46.1	48.5	9 700						30.0	
32.0				7.6	33.9	10 700	20.3	39.5	10 300	31.7	43.8	9 600	40.0	46.3	8 900	46.9	47.7	8 200			32.0	
34.0										22.5	39.9	8 800	33.0	43.6	8 200	40.9	45.7	7 500			34.0	
36.0													24.3	40.0	7 500	34.0	43.0	6 900	41.4	44.7	36.0	
38.0													10.1	33.5	6 900	25.6	39.5	6 400	34.6	42.1	38.0	
40.0																			26.4	38.7	40.0	
42.0																			14.3	33.3	42.0	

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Counterweight

360 Degree Rating

777 SERIES 1

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

27.4m (90 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
10.7	74.2	59.8	34 100 *b																			10.7
12.0	71.6	59.4	33 000 *																			12.0
14.0	67.6	58.6	31 100 *																			14.0
16.0	63.4	57.7	28 500	68.5	58.6	26 600																16.0
18.0	59.1	56.6	24 200	64.4	57.7	22 700																18.0
20.0	54.6	55.3	21 100	60.1	56.7	19 800	63.2	57.2	19 000													20.0
22.0	49.9	53.8	18 700	55.7	55.4	17 500	58.9	56.1	16 800													22.0
24.0	44.8	51.9	16 700	51.0	53.9	15 700	54.4	54.8	15 000	59.8	55.8	14 000										24.0
26.0	39.1	49.7	15 100	46.0	52.1	14 100	49.6	53.2	13 500	55.3	54.5	12 500										26.0
28.0	32.7	46.9	13 600	40.5	50.0	12 800	44.5	51.4	12 300	50.6	53.0	11 400	56.1	54.0	10 500							28.0
30.0	24.9	43.3	12 500	34.3	47.4	11 700	38.9	49.1	11 200	45.6	51.2	10 400	51.4	52.5	9 500							30.0
32.0	13.5	37.6	11 400	26.9	44.0	10 700	32.4	46.3	10 200	40.0	49.0	9 500	46.4	50.8	8 800	52.0	51.7	8 000				32.0
34.0				16.7	39.0	9 800	24.5	42.6	9 400	33.8	46.4	8 700	41.0	48.7	8 000	47.1	50.0	7 300				34.0
36.0							12.7	36.7	8 600	26.2	42.9	8 000	34.9	46.1	7 400	41.7	48.0	6 700				36.0
38.0										15.7	37.7	7 400	27.6	42.8	6 800	35.7	45.5	6 200	42.2	47.0	5 600	38.0
40.0													17.9	38.0	6 300	28.7	42.3	5 700	36.3	44.6	5 200	40.0
42.0																19.4	37.8	5 300	29.3	41.5	4 800	42.0
44.0																			20.3	37.1	4 400	44.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

27.4m (90 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m		
10.7	75.7	62.9	31 500 *b																		10.7	
12.0	73.3	62.6	30 500 *																		12.0	
14.0	69.7	61.9	28 900 *																		14.0	
16.0	66.0	61.1	27 200																		16.0	
18.0	62.2	60.1	24 300	66.8	61.1	22 700															18.0	
20.0	58.3	59.0	21 100	63.1	60.1	19 800	65.8	60.6	19 000												20.0	
22.0	54.1	57.6	18 700	59.2	59.0	17 500	62.0	59.6	16 800												22.0	
24.0	49.8	56.1	16 700	55.1	57.7	15 600	58.1	58.4	15 000												24.0	
26.0	45.2	54.2	15 000	50.8	56.2	14 100	53.9	57.1	13 500	58.9	58.1	12 500									26.0	
28.0	40.1	52.1	13 600	46.2	54.4	12 800	49.6	55.5	12 200	54.8	56.8	11 300									28.0	
30.0	34.5	49.4	12 500	41.3	52.4	11 600	44.9	53.7	11 200	50.5	55.3	10 300	55.5	56.3	9 600						30.0	
32.0	27.9	46.1	11 400	35.8	49.8	10 700	39.9	51.5	10 200	45.9	53.5	9 400	51.2	54.8	8 700						32.0	
34.0	19.3	41.5	10 500	29.5	46.7	9 800	34.2	48.8	9 400	40.9	51.4	8 700	46.7	53.1	8 000	51.8	54.0	7 300			34.0	
36.0				21.5	42.5	9 100	27.5	45.5	8 700	35.4	48.8	8 000	41.8	51.0	7 400	47.3	52.3	6 700			36.0	
38.0				8.1	35.0	8 400	18.8	40.8	8 000	28.9	45.7	7 400	36.3	48.5	6 800	42.4	50.3	6 200			38.0	
40.0										20.8	41.3	6 800	30.1	45.5	6 300	37.1	47.9	5 700	42.9	49.4	40.0	
42.0													22.4	41.4	5 800	31.0	45.0	5 300	37.6	47.0	42.0	
44.0													10.1	34.6	5 400	23.5	41.1	4 900	31.5	44.1	44.0	
46.0																24.2	40.3	4 100	24.2	40.3	46.0	
48.0																13.7	34.5	3 800	13.7	34.5	48.0	

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Counterweight

360 Degree Rating

777 SERIES 1

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

27.4m (90 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
12.2	74.4	65.7	28 000 *																			12.2
14.0	71.4	65.1	26 700 *																			14.0
16.0	68.1	64.4	25 300 *																			16.0
18.0	64.7	63.5	23 800	68.9	64.3	22 600																18.0
20.0	61.2	62.5	21 000	65.5	63.5	19 700																20.0
22.0	57.5	61.3	18 600	62.0	62.5	17 300	64.5	63.0	16 700													22.0
24.0	53.7	59.9	16 600	58.4	61.4	15 500	61.0	62.0	14 800													24.0
26.0	49.7	58.4	14 900	54.6	60.0	13 900	57.3	60.8	13 400	61.7	61.6	12 400										26.0
28.0	45.5	56.5	13 500	50.6	58.5	12 600	53.5	59.4	12 100	58.1	60.5	11 200										28.0
30.0	40.9	54.4	12 400	46.5	56.7	11 500	49.5	57.8	11 000	54.3	59.1	10 200										30.0
32.0	35.9	51.9	11 300	42.0	54.7	10 600	45.3	56.0	10 100	50.3	57.6	9 300	54.9	58.6	8 500							32.0
34.0	30.1	48.8	10 500	37.1	52.3	9 700	40.7	53.8	9 300	46.1	55.8	8 500	51.0	57.1	7 800							34.0
36.0	23.1	44.8	9 600	31.5	49.3	9 000	35.6	51.3	8 500	41.6	53.7	7 900	46.9	55.4	7 200							36.0
38.0	13.0	38.7	8 900	24.8	45.6	8 300	29.8	48.2	7 900	36.7	51.3	7 300	42.4	53.3	6 600	47.4	54.6	6 000				38.0
40.0				15.8	40.2	7 700	22.7	44.1	7 300	31.0	48.3	6 700	37.5	51.0	6 100	43.0	52.7	5 500				40.0
42.0							12.3	37.8	6 800	24.3	44.5	6 200	32.0	48.1	5 700	38.2	50.3	5 100	43.4	51.7	4 600	42.0
44.0										14.9	38.9	5 800	25.5	44.4	5 300	32.8	47.5	4 700	38.6	49.4	4 200	44.0
46.0													16.8	39.3	4 900	26.5	44.0	4 400	33.3	46.6	3 900	46.0
48.0																18.2	39.1	4 100	27.0	43.2	3 600	48.0
50.0																			19.0	38.5	3 300	50.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

27.4m (90 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Jib Oper. Rad. m
12.2	75.6	68.8	22 900 *																		12.2
14.0	72.9	68.3	22 300 *																		14.0
16.0	69.9	67.7	21 600 *																		16.0
18.0	66.8	66.9	20 500 *																		18.0
20.0	63.6	65.9	19 400 *	67.5	66.8	19 500															20.0
22.0	60.3	64.9	18 200	64.3	65.9	17 300	66.6	66.4	16 500												22.0
24.0	56.9	63.6	16 500	61.0	64.9	15 400	63.4	65.4	14 700												24.0
26.0	53.4	62.3	14 800	57.7	63.7	13 900	60.1	64.4	13 200												26.0
28.0	49.7	60.7	13 500	54.2	62.4	12 500	56.7	63.1	12 000	60.8	64.0	11 100									28.0
30.0	45.8	58.8	12 300	50.5	60.8	11 400	53.2	61.7	10 900	57.4	62.8	10 100									30.0
32.0	41.6	56.7	11 200	46.7	59.1	10 400	49.5	60.1	10 000	53.9	61.5	9 200	58.0	62.3	8 400						32.0
34.0	37.0	54.3	10 400	42.5	57.0	9 600	45.6	58.3	9 200	50.2	59.9	8 400	54.5	60.9	7 700						34.0
36.0	31.9	51.4	9 600	38.1	54.7	8 900	41.4	56.2	8 500	46.4	58.1	7 800	50.9	59.4	7 100						36.0
38.0	25.9	47.8	8 800	33.1	51.9	8 200	36.8	53.7	7 800	42.2	56.1	7 100	47.0	57.7	6 500						38.0
40.0	18.2	42.8	8 200	27.4	48.4	7 600	31.6	50.8	7 200	37.7	53.7	6 600	42.9	55.7	6 000	47.5	56.9	5 400			40.0
42.0				20.2	43.9	7 100	25.6	47.1	6 700	32.7	50.8	6 100	38.5	53.3	5 600	43.5	55.0	5 000			42.0
44.0				8.5	36.1	6 600	17.8	42.1	6 300	26.9	47.4	5 700	33.6	50.6	5 200	39.1	52.7	4 700	43.8	54.0	44.0
46.0										19.5	42.7	5 300	27.9	47.2	4 800	34.3	50.0	4 300	39.5	51.7	46.0
48.0													20.9	42.8	4 400	28.7	46.8	4 000	34.7	49.1	48.0
50.0													10.1	35.6	4 100	22.0	42.5	3 700	29.2	45.9	50.0
52.0																			22.6	41.8	52.0
54.0																			13.2	35.6	54.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Counterweight

360 Degree Rating

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

777 SERIES 1

27.4m (90 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

[illegible]

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

27.4m (90 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m		
13.7	75.6	74.7	19 500 *																		13.7	
14.0	75.3	74.7	19 400 *																		14.0	
16.0	72.6	74.1	18 400 *																		16.0	
18.0	70.0	73.4	17 400 *																		18.0	
20.0	67.3	72.6	16 400 *	70.6	73.4	17 600 *															20.0	
22.0	64.6	71.7	15 500 *	67.9	72.6	16 600															22.0	
24.0	61.8	70.7	14 500 *	65.2	71.7	15 300															24.0	
26.0	58.9	69.6	13 700 *	62.4	70.7	13 600	64.4	71.2	13 000												26.0	
28.0	55.9	68.3	12 900 *	59.5	69.6	12 300	61.6	70.2	11 800												28.0	
30.0	52.8	66.9	12 000	56.6	68.4	11 200	58.7	69.1	10 700												30.0	
32.0	49.6	65.3	11 100	53.5	67.0	10 200	55.7	67.8	9 800	59.3	68.8	9 000									32.0	
34.0	46.2	63.5	10 200	50.3	65.4	9 400	52.7	66.3	9 000	56.3	67.5	8 200									34.0	
36.0	42.6	61.4	9 400	47.0	63.7	8 700	49.4	64.7	8 200	53.3	66.1	7 500									36.0	
38.0	38.8	59.1	8 700	43.5	61.7	8 000	46.0	62.9	7 600	50.1	64.5	7 000	53.8	65.6	6 300						38.0	
40.0	34.6	56.4	8 100	39.7	59.4	7 400	42.4	60.9	7 100	46.7	62.7	6 400	50.6	64.0	5 800						40.0	
42.0	29.9	53.2	7 500	35.6	56.8	6 900	38.6	58.5	6 500	43.2	60.7	6 000	47.3	62.3	5 400	51.0	63.3	4 800			42.0	
44.0	24.4	49.3	7 000	31.0	53.8	6 400	34.4	55.8	6 100	39.4	58.4	5 500	43.8	60.3	5 000	47.7	61.5	4 400			44.0	
46.0	17.4	44.1	6 500	25.7	50.1	6 000	29.6	52.6	5 700	35.2	55.8	5 100	40.0	58.1	4 600	44.3	59.6	4 100			46.0	
48.0				19.1	45.2	5 600	24.1	48.7	5 300	30.6	52.7	4 800	36.0	55.5	4 300	40.5	57.4	3 800	44.6	58.6	48.0	
50.0				8.7	37.2	5 200	16.9	43.3	4 900	25.3	49.0	4 400	31.4	52.5	3 900	36.5	54.9	3 500	40.9	56.5	50.0	
52.0										18.6	44.0	4 100	26.2	48.9	3 700	32.1	52.0	3 200	36.9	54.0	52.0	
54.0													19.8	44.2	3 400	27.0	48.4	3 000	32.5	51.1	54.0	
56.0													10.1	36.7	3 100	20.8	43.9	2 700	27.4	47.6	56.0	
58.0																			21.4	43.2	58.0	
60.0																			12.8	36.7	60.0	



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Counterweight

360 Degree Rating

777 SERIES 1

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

27.4m (90 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg
15.2	74.7	77.5	17 300 *																		
16.0	73.8	77.3	16 900 *																		
18.0	71.3	76.6	16 000 *																		
20.0	68.8	75.9	15 000 *																		
22.0	66.3	75.1	14 100 *	69.4	75.9	15 200 *															
24.0	63.7	74.2	13 200 *	66.8	75.1	14 300 *															
26.0	61.0	73.1	12 300 *	64.2	74.2	13 400	66.1	74.6	12 900												
28.0	58.3	71.9	11 600 *	61.6	73.1	12 200	63.5	73.7	11 600												
30.0	55.5	70.6	10 800 *	58.9	72.0	11 100	60.9	72.6	10 600												
32.0	52.6	69.2	10 100 *	56.1	70.7	10 200	58.1	71.4	9 700	61.4	72.3	8 800									
34.0	49.6	67.6	9 500 *	53.2	69.3	9 300	55.3	70.1	8 800	58.7	71.1	8 100									
36.0	46.4	65.8	8 800 *	50.2	67.7	8 500	52.4	68.7	8 100	55.9	69.8	7 400									
38.0	43.0	63.7	8 200 *	47.1	66.0	7 900	49.4	67.0	7 500	53.0	68.4	6 800									
40.0	39.5	61.5	7 700 *	43.8	64.0	7 300	46.2	65.2	6 900	50.0	66.8	6 300	53.5	67.9	5 700						
42.0	35.6	58.9	7 200 *	40.3	61.8	6 800	42.9	63.2	6 400	46.9	65.0	5 800	50.5	66.3	5 200						
44.0	31.4	55.8	6 700 *	36.5	59.3	6 300	39.3	60.9	5 900	43.6	63.0	5 400	47.4	64.6	4 800	50.9	65.6	4 200			
46.0	26.5	52.2	6 300 *	32.4	56.3	5 900	35.4	58.3	5 500	40.0	60.8	5 000	44.1	62.6	4 400	47.8	63.8	3 900			
48.0	20.6	47.6	5 900 *	27.7	52.9	5 500	31.2	55.2	5 200	36.2	58.3	4 600	40.6	60.4	4 100	44.6	61.9	3 600			
50.0	12.4	40.9	5 400 *	22.1	48.6	5 100	26.3	51.6	4 800	32.0	55.3	4 300	36.9	57.9	3 800	41.1	59.8	3 300	44.8	60.9	2 900
52.0				14.6	42.5	4 800	20.3	46.9	4 500	27.3	51.8	4 000	32.8	55.1	3 500	37.4	57.3	3 100	41.4	58.8	2 600
54.0							11.8	40.0	4 200	21.6	47.4	3 700	28.1	51.7	3 300	33.3	54.5	2 800	37.7	56.4	2 400
56.0										13.9	41.1	3 400	22.7	47.5	3 000	28.8	51.2	2 600	33.7	53.6	2 200
58.0													15.4	41.7	2 800	23.4	47.1	2 400	29.2	50.3	2 000
60.0															2 200	16.6	41.6	2 200			60.0

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

27.4m (90 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

7980-AM, 1-23-98/L
Page 34 of 87

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Counterweight

360 Degree Rating

777 SERIES 1

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

30.5m (100 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
10.7	67.4	53.2	44 800 *b																			10.7
12.0	63.5	52.6	41 300 b																			12.0
14.0	57.3	51.4	33 900	65.6	52.7	31 800 b																14.0
16.0	50.6	50.0	28 500	59.5	51.6	26 700 b	64.4	52.2	25 700 b													16.0
18.0	43.3	48.1	24 500	53.1	50.3	23 000	58.3	51.2	22 000													18.0
20.0	34.7	45.7	21 500	46.0	48.6	20 100	51.8	49.8	19 300	60.4	50.9	17 900 b										20.0
22.0	23.7	42.1	19 000	38.0	46.4	17 800	44.5	48.0	17 000	54.0	49.6	15 800										22.0
24.0				28.1	43.3	15 900	36.3	45.6	15 200	47.0	48.0	14 100										24.0
26.0							25.8	42.3	13 700	39.1	45.8	12 700	49.1	47.7	11 700							26.0
28.0										29.6	42.9	11 500	41.6	45.7	10 600	50.9	47.0	9 700				28.0
30.0										15.6	38.1	10 500	32.7	43.0	9 700	43.6	45.2	8 800				30.0
32.0													20.7	39.1	8 800	35.1	42.7	8 100	45.1	44.3	7 300	32.0
34.0																24.2	39.2	7 400	36.9	42.0	6 700	34.0
36.0																			26.7	38.8	6 200	36.0
38.0																			9.3	32.6	5 600	38.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

30.5m (100 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg				
10.7	70.3	56.5	40 900 *b																		10.7	
12.0	67.0	55.9	39 600 *b																		12.0	
14.0	61.8	55.0	33 900	68.8	56.0	31 700 b															14.0	
16.0	56.3	53.8	28 400	63.7	55.1	26 600 b															16.0	
18.0	50.4	52.3	24 400	58.3	54.0	22 800	62.6	54.7	21 900												18.0	
20.0	44.0	50.4	21 400	52.6	52.6	19 900	57.2	53.5	19 100												20.0	
22.0	36.8	48.1	18 900	46.4	50.9	17 600	51.4	52.1	16 900	59.0	53.3	15 700									22.0	
24.0	28.0	44.9	16 900	39.5	48.8	15 800	45.1	50.3	15 100	53.4	51.9	13 900									24.0	
26.0				31.4	45.9	14 200	38.0	48.0	13 600	47.2	50.3	12 500	55.1	51.5	11 600						26.0	
28.0				20.6	41.8	12 900	29.6	45.0	12 300	40.5	48.2	11 400	49.1	50.0	10 400						28.0	
30.0							17.9	40.5	11 200	32.6	45.5	10 400	42.5	48.0	9 500						30.0	
32.0										22.3	41.7	9 500	35.0	45.5	8 700	44.3	47.5	7 900			32.0	
34.0													25.7	42.1	8 000	37.1	45.2	7 200	45.6	46.6	34.0	
36.0																28.4	42.1	6 700	38.6	44.4	36.0	
38.0																15.8	37.1	6 100	30.3	41.5	38.0	
40.0																19.0	37.1	5 500	19.0	37.1	40.0	

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Counterweight

360 Degree Rating

777 SERIES 1

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

30.5m (100 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
10.7	72.6	59.7	36 700 *b																			10.7
12.0	69.7	59.2	35 400 *b																			12.0
14.0	65.1	58.4	33 100																			14.0
16.0	60.4	57.4	28 500	66.8	58.5	26 600																16.0
18.0	55.5	56.1	24 400	62.1	57.5	22 700																18.0
20.0	50.3	54.6	21 300	57.3	56.3	19 800	61.2	57.0	19 000													20.0
22.0	44.6	52.8	18 800	52.2	54.9	17 600	56.3	55.8	16 800													22.0
24.0	38.3	50.5	16 900	46.7	53.2	15 700	51.2	54.4	15 000	58.0	55.6	13 900										24.0
26.0	30.9	47.6	15 200	40.6	51.1	14 100	45.6	52.6	13 500	52.9	54.3	12 500										26.0
28.0	21.4	43.5	13 800	33.7	48.5	12 800	39.4	50.4	12 300	47.4	52.6	11 300	54.4	53.8	10 300							28.0
30.0				25.2	44.9	11 700	32.2	47.6	11 200	41.5	50.6	10 300	49.1	52.3	9 400							30.0
32.0				12.1	39.0	10 700	23.2	43.8	10 200	34.7	48.0	9 400	43.3	50.4	8 600	50.5	51.6	7 800				32.0
34.0										26.5	44.6	8 600	36.8	48.0	7 900	44.8	49.8	7 200				34.0
36.0										14.5	39.3	7 900	29.1	44.9	7 300	38.5	47.6	6 600				36.0
38.0													18.8	40.4	6 700	31.2	44.7	6 000	39.9	46.8	5 400	38.0
40.0																21.9	40.7	5 600	32.8	44.1	5 000	40.0
42.0																24.0	40.4	4 600	24.0	40.4	4 600	42.0
44.0																9.5	33.7	4 200	9.5	33.7	4 200	44.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

?

30.5m (100 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Point Elev. m	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Point Elev. m	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Point Elev. m	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Point Elev. m	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Point Elev. m	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Point Elev. m					
10.7	74.4	62.9	33 700 *b																							10.7			
12.0	71.8	62.4	32 700 *																							12.0			
14.0	67.8	61.7	31 100 *																							14.0			
16.0	63.6	60.8	28 500	69.2	61.8	26 400																				16.0			
18.0	59.4	59.7	24 300	65.1	60.9	22 600																				18.0			
20.0	54.9	58.4	21 200	60.9	59.9	19 700	64.3	60.5	18 800																	20.0			
22.0	50.1	56.9	18 700	56.5	58.7	17 400	60.1	59.4	16 600																	22.0			
24.0	45.1	55.1	16 700	51.9	57.2	15 600	55.6	58.2	14 900																	24.0			
26.0	39.5	52.9	15 100	46.9	55.5	14 000	50.9	56.7	13 400	57.1	58.0	12 300														26.0			
28.0	33.1	50.1	13 700	41.5	53.5	12 700	45.9	54.9	12 100	52.5	56.6	11 100														28.0			
30.0	25.4	46.6	12 500	35.5	50.9	11 600	40.4	52.8	11 000	47.6	54.9	10 100	53.9	56.2	9 200											30.0			
32.0	14.3	41.0	11 400	28.4	47.7	10 600	34.2	50.1	10 100	42.3	52.9	9 300	49.1	54.6	8 400											32.0			
34.0				19.0	43.2	9 700	26.8	46.7	9 300	36.3	50.4	8 500	43.9	52.7	7 700	50.3	53.9	7 000								34.0			
36.0							16.6	41.7	8 500	29.4	47.3	7 800	38.2	50.4	7 100	45.2	52.1	6 400								36.0			
38.0										20.5	43.0	7 200	31.6	47.5	6 600	39.7	49.9	5 900								38.0			
40.0													23.4	43.7	6 000	33.4	47.2	5 400	40.9	49.1	4 800					40.0			
42.0																25.7	43.7	5 000	34.7	46.5	4 400					42.0			
44.0																14.9	38.3	4 600	27.4	43.2	4 100					44.0			
46.0																17.6	38.4	3 800	17.6	38.4	3 300					46.0			



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Counterweight

360 Degree Rating

777 SERIES 1

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

30.5m (100 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
10.7	75.8	66.0	31 200 *b																			10.7
12.0	73.5	65.6	30 200 *																			12.0
14.0	69.9	65.0	28 800 *																			14.0
16.0	66.2	64.2	27 200																			16.0
18.0	62.4	63.2	24 400	67.5	64.2	22 600																18.0
20.0	58.5	62.1	21 100	63.8	63.3	19 700	66.8	63.8	18 800													20.0
22.0	54.4	60.7	18 700	59.9	62.3	17 400	63.0	62.9	16 600													22.0
24.0	50.0	59.2	16 700	55.9	61.0	15 500	59.1	61.8	14 800													24.0
26.0	45.4	57.4	15 100	51.6	59.5	14 000	55.1	60.5	13 300	60.4	61.5	12 200										26.0
28.0	40.4	55.2	13 700	47.1	57.8	12 700	50.8	59.0	12 100	56.4	60.3	11 100										28.0
30.0	34.8	52.6	12 500	42.2	55.8	11 600	46.2	57.2	11 000	52.2	58.9	10 100										30.0
32.0	28.3	49.4	11 500	36.9	53.4	10 600	41.3	55.1	10 100	47.7	57.2	9 300	53.5	58.5	8 400							32.0
34.0	19.9	44.9	10 500	30.7	50.4	9 700	35.8	52.6	9 300	42.9	55.2	8 500	49.1	56.9	7 700							34.0
36.0				23.2	46.5	9 000	29.4	49.5	8 600	37.6	52.9	7 800	44.4	55.0	7 100	50.2	56.2	6 400				36.0
38.0				11.8	40.1	8 300	21.4	45.3	7 900	31.6	50.0	7 200	39.2	52.8	6 600	45.6	54.4	5 900				38.0
40.0										24.3	46.2	6 700	33.5	50.0	6 000	40.6	52.3	5 400	46.6	53.5	4 800	40.0
42.0										13.8	40.4	6 200	26.7	46.6	5 600	35.0	49.7	5 000	41.6	51.5	4 400	42.0
44.0													17.6	41.7	5 200	28.5	46.5	4 600	36.2	49.0	4 100	44.0
46.0																20.2	42.1	4 300	29.9	45.9	3 800	46.0
48.0																9.6	41.8	3 500	22.1	41.8	3 500	48.0
50.0																		3 200	9.6	34.8	3 200	50.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

30.5m (100 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m		
12.2	74.6	68.8	27 800 *																		12.2	
14.0	71.6	68.2	26 600 *																		14.0	
16.0	68.3	67.5	25 200 *																		16.0	
18.0	64.9	66.6	23 800 *																		18.0	
20.0	61.4	65.6	21 100	66.1	66.7	19 500															20.0	
22.0	57.7	64.4	18 600	62.6	65.7	17 300	65.4	66.3	16 500												22.0	
24.0	53.9	63.1	16 600	59.0	64.6	15 400	61.9	65.3	14 700												24.0	
26.0	50.0	61.5	15 000	55.3	63.3	13 900	58.3	64.1	13 200												26.0	
28.0	45.7	59.7	13 600	51.4	61.8	12 600	54.6	62.8	12 000	59.5	63.9	10 900									28.0	
30.0	41.2	57.6	12 400	47.3	60.1	11 400	50.6	61.3	10 900	55.8	62.6	9 900									30.0	
32.0	36.2	55.1	11 400	42.8	58.1	10 500	46.4	59.5	9 900	51.9	61.2	9 100	56.9	62.2	8 200						32.0	
34.0	30.4	52.0	10 400	38.0	55.8	9 700	41.9	57.4	9 200	47.8	59.5	8 300	53.1	60.8	7 500						34.0	
36.0	23.5	48.1	9 600	32.6	53.0	8 900	37.0	55.0	8 400	43.5	57.5	7 700	49.1	59.2	6 900						36.0	
38.0	13.7	42.2	8 900	26.2	49.4	8 200	31.4	52.1	7 800	38.7	55.2	7 100	44.8	57.3	6 400	50.1	58.5	5 700			38.0	
40.0				17.8	44.5	7 600	24.8	48.3	7 200	33.3	52.5	6 600	40.1	55.1	5 900	45.9	56.7	5 200			40.0	
42.0							15.7	42.9	6 700	27.1	49.1	6 100	35.0	52.5	5 400	41.3	54.6	4 800			42.0	
44.0										19.1	44.4	5 600	29.1	49.3	5 000	36.4	52.2	4 500	53.8	3 900	44.0	
46.0													21.8	45.1	4 700	30.7	49.1	4 100	37.4	3 600	46.0	
48.0																23.8	45.2	3 800	31.9	3 300	48.0	
50.0																14.2	39.4	3 500	25.3	3 000	50.0	
52.0																			16.6	39.6	2 800	52.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Counterweight

360 Degree Rating

777 SERIES 1

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

30.5m (100 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg
12.2	75.8	71.9	22 600 *																		
14.0	73.1	71.4	22 100 *																		
16.0	70.0	70.7	21 500 *																		
18.0	66.9	69.9	20 500 *																		
20.0	63.7	69.0	19 400 *	68.0	70.0	19 400															
22.0	60.5	68.0	18 200	64.9	69.1	17 100															
24.0	57.1	66.8	16 600	61.6	68.1	15 300	64.3	68.7	14 600												
26.0	53.6	65.4	14 900	58.3	67.0	13 800	61.0	67.7	13 100												
28.0	49.9	63.8	13 500	54.8	65.6	12 400	57.6	66.5	11 800	62.1	67.4	10 800									
30.0	46.0	62.0	12 300	51.2	64.1	11 300	54.2	65.1	10 800	58.8	66.3	9 800									
32.0	41.8	59.9	11 300	47.4	62.4	10 400	50.5	63.6	9 800	55.3	65.0	9 000									
34.0	37.3	57.5	10 400	43.3	60.4	9 600	46.6	61.8	9 000	51.7	63.5	8 200	56.3	64.5	7 400						
36.0	32.2	54.6	9 600	38.9	58.2	8 800	42.5	59.8	8 300	47.9	61.8	7 500	52.8	63.1	6 800						
38.0	26.3	51.0	8 900	34.1	55.5	8 100	38.0	57.4	7 700	43.9	59.9	7 000	49.1	61.5	6 200						
40.0	18.7	46.2	8 200	28.5	52.2	7 600	33.1	54.6	7 200	39.5	57.6	6 400	45.1	59.6	5 800	50.0	60.8	5 100			
42.0				21.7	47.9	7 000	27.3	51.2	6 600	34.8	55.0	6 000	40.9	57.5	5 400	46.1	59.0	4 700			
44.0				11.6	41.2	6 500	20.1	46.6	6 200	29.3	51.8	5 500	36.2	55.0	4 900	42.0	57.0	4 300			
46.0										22.7	47.7	5 200	31.0	51.9	4 600	37.4	54.6	4 000	42.8	56.1	3 400
48.0										13.4	41.5	4 800	24.8	48.2	4 200	32.4	51.7	3 700	38.4	53.8	3 200
50.0													16.6	42.9	3 900	26.5	48.2	3 400	33.5	51.0	2 900
52.0																19.0	43.4	3 100	27.8	47.7	2 700
54.0																			20.7	43.2	2 500
56.0																			9.7	35.9	2 200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

30.5m (100 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree			83 Degree			80 Degree			75 Degree			70 Degree			65 Degree			60 Degree		
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Jib Oper. Rad. m
13.7	74.7	74.7	20 600 *																		13.7
	74.3	74.6	20 600 *																		14.0
16.0	71.5	74.0	19 900 *																		16.0
18.0	68.7	73.2	18 800 *																		18.0
20.0	65.7	72.4	17 800 *	69.7	73.3	19 100															20.0
22.0	62.8	71.4	16 800 *	66.8	72.5	17 000															22.0
24.0	59.7	70.3	15 900 *	63.8	71.6	15 100	66.2	72.0	14 400												24.0
26.0	56.5	69.1	14 800	60.8	70.5	13 600	63.3	71.1	12 900												26.0
28.0	53.2	67.7	13 400	57.7	69.3	12 300	60.2	70.0	11 700												28.0
30.0	49.8	66.1	12 200	54.4	68.0	11 200	57.1	68.8	10 600	61.2	69.8	9 700									30.0
32.0	46.2	64.3	11 200	51.1	66.4	10 200	53.8	67.4	9 700	58.1	68.6	8 800									32.0
34.0	42.4	62.2	10 300	47.5	64.7	9 400	50.4	65.9	8 900	54.9	67.3	8 000									34.0
36.0	38.2	59.9	9 500	43.8	62.8	8 700	46.8	64.1	8 200	51.5	65.8	7 400	55.8	66.8	6 600						36.0
38.0	33.6	57.1	8 800	39.7	60.5	8 000	43.0	62.1	7 600	48.0	64.1	6 800	52.5	65.4	6 100						38.0
40.0	28.4	53.8	8 100	35.3	57.9	7 400	38.9	59.8	7 000	44.3	62.2	6 300	49.1	63.8	5 600						40.0
42.0	22.1	49.6	7 600	30.4	54.8	6 900	34.4	57.1	6 500	40.3	60.0	5 800	45.4	61.9	5 200	49.9	63.1	4 500			42.0
44.0	13.3	43.3	7 000	24.5	51.0	6 400	29.3	53.9	6 000	35.9	57.4	5 400	41.5	59.8	4 800	46.3	61.3	4 200			44.0
46.0				16.9	45.7	6 000	23.3	49.8	5 600	31.1	54.4	5 000	37.3	57.4	4 400	42.5	59.3	3 900	3 300		46.0
48.0							15.1	44.1	5 200	25.4	50.7	4 700	32.6	54.5	4 100	38.4	57.0	3 600	3 000		48.0
50.0										18.1	45.7	4 300	27.2	51.0	3 800	33.8	54.2	3 300	2 700		50.0
52.0													20.5	46.5	3 500	28.6	50.9	3 000	2 500		52.0
54.0																22.4	46.7	2 800	2 300		54.0
56.0																13.7	40.6	2 500	2 100		56.0
58.0																			1 900		58.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Counterweight

360 Degree Rating

777 SERIES 1

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

30.5m (100 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg
13.7	75.8	77.8	19 300 *																		
14.0	75.4	77.7	19 200 *																		
16.0	72.8	77.2	18 400 *																		
18.0	70.1	76.5	17 400 *																		
20.0	67.5	75.7	16 400 *																		
22.0	64.7	74.8	15 500 *	68.4	75.8	16 600															
24.0	61.9	73.8	14 600 *	65.7	74.9	15 100															
26.0	59.0	72.7	13 700 *	62.9	74.0	13 500	65.2	74.5	12 900												
28.0	56.1	71.4	12 900 *	60.1	72.9	12 300	62.4	73.5	11 600												
30.0	53.0	70.0	12 100	57.1	71.7	11 200	59.5	72.4	10 600												
32.0	49.8	68.4	11 100	54.1	70.3	10 200	56.5	71.1	9 700												
34.0	46.4	66.6	10 200	50.9	68.7	9 400	53.5	69.7	8 800												
36.0	42.8	64.6	9 400	47.6	67.0	8 600	50.3	68.2	8 100												
38.0	39.0	62.3	8 700	44.1	65.1	8 000	47.0	66.4	7 500												
40.0	34.8	59.6	8 100	40.4	62.9	7 400	43.4	64.4	7 000												
42.0	30.2	56.5	7 500	36.4	60.4	6 900	39.6	62.2	6 500												
44.0	24.7	52.6	7 000	31.9	57.4	6 400	35.5	59.6	6 000												
46.0	17.8	47.5	6 500	26.8	53.8	5 900	31.0	56.5	5 600												
48.0				20.5	49.3	5 500	25.7	52.8	5 200												
50.0				11.4	42.3	5 200	19.1	48.0	4 900												
52.0																					
54.0																					
56.0																					
58.0																					

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

30.5m (100 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m		
15.2	74.8	80.6	17 200 *																		15.2	
16.0	73.9	80.3	16 800 *																		16.0	
18.0	71.4	79.7	15 900 *																		18.0	
20.0	68.9	79.0	15 000 *																		20.0	
22.0	66.4	78.2	14 100 *	69.8	79.0	15 300 *															22.0	
24.0	63.8	77.3	13 200 *	67.3	78.2	14 400 *															24.0	
26.0	61.1	76.2	12 400 *	64.7	77.4	13 400	66.8	77.8	12 700												26.0	
28.0	58.4	75.0	11 600 *	62.1	76.4	12 100	64.2	76.9	11 500												28.0	
30.0	55.6	73.7	10 900 *	59.4	75.2	11 000	61.6	75.9	10 400												30.0	
32.0	52.7	72.3	10 200 *	56.6	74.0	10 100	58.9	74.7	9 500	62.5	75.6	8 600									32.0	
34.0	49.7	70.7	9 500 *	53.8	72.6	9 200	56.1	73.5	8 700	59.8	74.5	7 900									34.0	
36.0	46.6	68.9	8 900 *	50.8	71.1	8 500	53.2	72.1	8 000	57.0	73.3	7 200									36.0	
38.0	43.2	66.9	8 300 *	47.7	69.3	7 800	50.2	70.5	7 400	54.2	71.9	6 600									38.0	
40.0	39.7	64.6	7 700 *	44.4	67.4	7 200	47.1	68.7	6 800	51.2	70.4	6 100	55.0	71.5	5 400						40.0	
42.0	35.8	62.1	7 200 *	41.0	65.2	6 700	43.8	66.7	6 300	48.1	68.7	5 600	52.1	70.0	4 900						42.0	
44.0	31.6	59.1	6 800 *	37.2	62.8	6 300	40.3	64.5	5 800	44.9	66.8	5 200	49.0	68.4	4 600						44.0	
46.0	26.8	55.5	6 300 *	33.2	59.9	5 800	36.5	62.0	5 400	41.5	64.7	4 800	45.9	66.5	4 200	49.8	67.7	3 600			46.0	
48.0	21.0	51.0	6 000 *	28.6	56.6	5 400	32.3	59.1	5 100	37.8	62.2	4 500	42.5	64.5	3 900	46.7	66.0	3 300			48.0	
50.0	12.9	44.4	5 400 *	23.2	52.5	5 000	27.6	55.6	4 700	33.7	59.5	4 200	38.9	62.1	3 600	43.4	64.0	3 100			50.0	
52.0				16.2	46.9	4 700	22.0	51.3	4 400	29.2	56.2	3 900	35.0	59.5	3 300	39.8	61.7	2 800	44.0	63.1	52.0	
54.0							14.5	45.2	4 100	24.0	52.2	3 600	30.6	56.4	3 100	36.0	59.1	2 600	40.6	60.9	54.0	
56.0										17.3	46.9	3 300	25.6	52.6	2 800	31.8	56.2	2 400	36.8	58.4	56.0	
58.0													19.5	47.8	2 600	27.0		2 200			58.0	
60.0																21.2	48.1	2 000			60.0	



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

777 SERIES 1

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

30.5m (100 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
15.2	75.7	83.7	15 500 *																15.2
16.0	74.9	83.5	15 300 *																16.0
18.0	72.6	82.9	14 700 *																18.0
20.0	70.2	82.3	13 800 *																20.0
22.0	67.9	81.5	13 000 *																22.0
24.0	65.4	80.6	12 100 *	68.7	81.5	13 200 *													24.0
26.0	63.0	79.7	11 300 *	66.3	80.7	12 400 *													26.0
28.0	60.5	78.6	10 600 *	63.9	79.8	11 700 *	65.8	80.3	11 400										28.0
30.0	57.9	77.4	9 900 *	61.4	78.7	10 900	63.4	79.3	10 300										30.0
32.0	55.3	76.1	9 200 *	58.8	77.6	10 000	60.9	78.3	9 400										32.0
34.0	52.5	74.6	8 600 *	56.2	76.3	9 100	58.3	77.1	8 600	61.7	78.0	7 700							34.0
36.0	49.7	73.0	7 900 *	53.5	74.9	8 400	55.7	75.8	7 900	59.2	76.9	7 100							36.0
38.0	46.7	71.2	7 400 *	50.7	73.4	7 700	53.0	74.4	7 300	56.6	75.6	6 500							38.0
40.0	43.6	69.2	6 800 *	47.8	71.6	7 100	50.1	72.8	6 700	53.9	74.2	6 000	57.3	75.2	5 300				40.0
42.0	40.3	67.0	6 300 *	44.7	69.7	6 600	47.2	71.0	6 200	51.1	72.7	5 500	54.7	73.8	4 900				42.0
44.0	36.7	64.5	5 900 *	41.5	67.6	6 200	44.1	69.1	5 700	48.2	71.0	5 100	51.9	72.3	4 400				44.0
46.0	32.8	61.6	5 500 *	38.0	65.2	5 700	40.8	66.9	5 300	45.1	69.1	4 700	49.0	70.7	4 100	52.6	71.6	3 500	46.0
48.0	28.5	58.2	5 000 *	34.3	62.4	5 300	37.3	64.4	5 000	41.9	67.0	4 400	46.0	68.8	3 800	49.8	70.0	3 200	48.0
50.0	23.5	54.1	4 500 *	30.1	59.3	4 900	33.5	61.6	4 600	38.5	64.6	4 000	42.9	66.8	3 500	46.8	68.3	2 900	50.0
52.0	17.1	48.7	4 000 *	25.4	55.5	4 600	29.3	58.3	4 300	34.8	61.9	3 700	39.5	64.5	3 200	43.7	66.3	2 700	52.0
54.0				19.6	50.6	4 200 *	24.4	54.4	4 000	30.7	58.8	3 500	35.9	61.9	3 000	40.4	64.1	2 500	54.0
56.0				11.3	43.4	3 800 *	18.3	49.2	3 700	26.0	55.1	3 200	32.0	59.0	2 700	36.9	61.6	2 200	56.0
58.0							20.4	50.5	3 000	20.4	50.5	3 000	27.5	55.5	2 500	33.0	58.7	2 000	58.0
60.0										12.7	43.8	2 700	22.2	51.1	2 300	28.7	55.3	1 900	60.0
62.0													15.4	45.3	2 100				62.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

33.5m (110 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Jib Oper. Rad. m
10.7	67.7	56.3	44 500 *b																		10.7
12.0	63.8	55.7	41 100 b																		12.0
14.0	57.6	54.6	33 800	66.7	55.9	31 500 b															14.0
16.0	51.0	53.1	28 400	60.7	54.9	26 400 b															16.0
18.0	43.7	51.3	24 400	54.3	53.6	22 700	60.0	54.5	21 700												18.0
20.0	35.2	48.9	21 400	47.4	52.0	19 800	53.5	53.2	18 900												20.0
22.0	24.4	45.4	18 900	39.6	49.9	17 600	46.5	51.5	16 700	56.5	53.1	15 400									22.0
24.0				30.2	47.0	15 700	38.6	49.3	14 900	49.8	51.6	13 700									24.0
26.0							28.9	46.3	13 500	42.4	49.7	12 400	52.7	51.4	11 300						26.0
28.0										33.6	47.1	11 200	45.6	49.7	10 200						28.0
30.0										22.1	43.4	10 200	37.5	47.4	9 300	48.4	49.2	8 400			30.0
32.0													27.5	44.3	8 500	40.7	47.2	7 700	43.3	46.5	32.0
34.0																31.6	44.4	7 000	34.7	44.0	34.0
36.0																19.0	40.2	6 400	23.7	40.4	36.0
38.0																					38.0



Liftcrane Luffing Jib Capacities

777 SERIES 1

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

Luffing Jib No. 139 On Boom No. 78
47 630 kg Crane Counterweight
360 Degree Rating

33.5m (110 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m		
10.7	70.6	59.5	39 400 *b																		10.7	
12.0	67.3	59.0	38 100 *b																		12.0	
14.0	62.1	58.1	33 900	69.7	59.2	31 400 b															14.0	
16.0	56.6	56.9	28 300	64.6	58.3	26 200 b															16.0	
18.0	50.8	55.4	24 300	59.3	57.2	22 500	64.0	57.9	21 500												18.0	
20.0	44.4	53.6	21 300	53.7	55.9	19 700	58.7	56.8	18 800												20.0	
22.0	37.2	51.3	18 800	47.6	54.3	17 400	53.0	55.5	16 600	61.2	56.7	15 200									22.0	
24.0	28.5	48.2	16 800	40.8	52.2	15 600	46.8	53.8	14 800	55.6	55.5	13 600									24.0	
26.0				33.0	49.6	14 000	40.0	51.7	13 400	49.7	53.9	12 200									26.0	
28.0				23.0	45.8	12 700	32.0	48.9	12 100	43.2	52.0	11 100	52.3	53.7	10 000						28.0	
30.0							21.6	45.0	11 000	35.9	49.6	10 100	46.1	52.0	9 100						30.0	
32.0										26.8	46.3	9 200	39.1	49.8	8 300	48.5	51.5	7 500			32.0	
34.0													30.9	46.9	7 600	41.8	49.5	6 800			34.0	
36.0													19.9	42.7	7 000	34.2	46.9	6 300	44.0	48.8	36.0	
38.0																24.6	43.4	5 800	36.8	46.4	38.0	
40.0																			28.0	43.3	40.0	
42.0																			15.2	38.2	42.0	



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

33.5m (110 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m		
10.7	72.8	62.8	36 300 *b																		10.7	
12.0	69.9	62.3	35 200 *b																		12.0	
14.0	65.4	61.5	33 000																		14.0	
16.0	60.7	60.5	28 300	67.6	61.6	26 300 b															16.0	
18.0	55.8	59.2	24 200	63.0	60.7	22 400															18.0	
20.0	50.6	57.7	21 200	58.2	59.6	19 600	62.5	60.3	18 600												20.0	
22.0	44.9	55.9	18 700	53.2	58.2	17 300	57.7	59.2	16 500												22.0	
24.0	38.6	53.7	16 800	47.7	56.6	15 500	52.6	57.8	14 700	59.9	59.1	13 400									24.0	
26.0	31.4	50.8	15 100	41.8	54.6	13 900	47.1	56.1	13 300	54.9	57.8	12 100									26.0	
28.0	22.0	46.8	13 700	35.1	52.0	12 700	41.1	54.0	12 000	49.6	56.2	10 900									28.0	
30.0				27.0	48.7	11 500	34.2	51.4	11 000	43.9	54.4	10 000	51.9	56.0	9 000						30.0	
32.0				15.4	43.6	10 600	25.9	48.0	10 000	37.5	52.0	9 100	46.4	54.3	8 200						32.0	
34.0										30.0	49.0	8 400	40.3	52.1	7 600	48.5	53.8	6 700			34.0	
36.0										20.1	44.7	7 700	33.3	49.5	6 900	42.7	51.8	6 200			36.0	
38.0													24.7	45.9	6 400	36.1	49.4	5 700			38.0	
40.0																28.2	46.2	5 200	38.3	48.8	4 600	
42.0																17.4	41.5	4 800	30.9	45.9	4 200	
44.0																			21.5	41.9	3 900	

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Crane Counterweight

360 Degree Rating

777 SERIES 1

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

33.5m (110 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
10.7	74.6	65.9	33 400 *b																			10.7
12.0	72.0	65.5	32 400 *b																			12.0
14.0	68.0	64.8	30 900 *																			14.0
16.0	63.9	63.9	28 400																			16.0
18.0	59.6	62.8	24 200	65.9	64.1	22 400																18.0
20.0	55.1	61.6	21 100	61.7	63.1	19 400	65.4	63.7	18 500													20.0
22.0	50.4	60.0	18 600	57.3	61.9	17 200	61.2	62.7	16 300													22.0
24.0	45.3	58.2	16 700	52.8	60.5	15 400	56.8	61.5	14 600													24.0
26.0	39.8	56.0	15 000	47.9	58.9	13 800	52.2	60.1	13 100	58.9	61.4	11 900										26.0
28.0	33.5	53.4	13 600	42.6	56.9	12 500	47.3	58.4	11 900	54.4	60.1	10 800										28.0
30.0	25.9	49.8	12 400	36.7	54.5	11 400	41.9	56.4	10 800	49.6	58.5	9 800										30.0
32.0	15.1	44.5	11 400	29.8	51.4	10 500	35.9	53.9	9 900	44.4	56.7	9 000										32.0
34.0				21.0	47.2	9 600	28.9	50.7	9 100	38.8	54.4	8 200										34.0
36.0							19.8	46.3	8 400	32.3	51.6	7 600										36.0
38.0										24.4	47.9	7 000										38.0
40.0																						40.0
42.0																						42.0
44.0																						44.0
46.0																						46.0
48.0																						48.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

33.5m (110 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m		
10.7	76.0	69.1	30 700 *b																		10.7	
12.0	73.7	68.7	29 900 *																		12.0	
14.0	70.1	68.1	28 600 *																		14.0	
16.0	66.4	67.3	27 100																		16.0	
18.0	62.6	66.3	24 300	68.2	67.4	22 300															18.0	
20.0	58.7	65.2	21 100	64.5	66.5	19 400															20.0	
22.0	54.6	63.9	18 600	60.6	65.5	17 200	64.0	66.1	16 300												22.0	
24.0	50.3	62.3	16 700	56.6	64.3	15 300	60.2	65.1	14 500												24.0	
26.0	45.7	60.5	15 000	52.4	62.9	13 800	56.1	63.8	13 100	62.0	64.9	11 900									26.0	
28.0	40.7	58.4	13 600	48.0	61.2	12 500	51.9	62.4	11 900	58.0	63.8	10 800									28.0	
30.0	35.1	55.8	12 500	43.2	59.2	11 400	47.4	60.7	10 800	53.9	62.4	9 800									30.0	
32.0	28.6	52.6	11 400	37.9	56.9	10 500	42.6	58.7	9 900	49.5	60.8	8 900	55.6	62.1	8 000						32.0	
34.0	20.4	48.2	10 500	32.0	54.0	9 600	37.3	56.3	9 100	44.9	59.0	8 200	51.4	60.6	7 300						34.0	
36.0				24.7	50.3	8 900	31.2	53.4	8 400	39.8	56.8	7 500	46.9	58.9	6 700						36.0	
38.0				14.6	44.7	8 200	23.8	49.5	7 700	34.1	54.1	7 000	42.0	56.8	6 200	48.6	58.4	5 500			38.0	
40.0										27.4	50.8	6 500	36.6	54.4	5 800	43.9	56.5	5 000			40.0	
42.0										18.7	46.1	6 000	30.4	51.4	5 300	38.7	54.2	4 600	45.4	55.7	42.0	
44.0													22.7	47.4	4 900	32.8	51.4	4 300	40.4	53.6	44.0	
46.0																25.9	47.9	4 000	34.8	51.0	46.0	
48.0																16.4	42.7	3 600	28.3	47.7	48.0	
50.0																		2 900	19.9	43.2	50.0	

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Crane Counterweight

360 Degree Rating

777 SERIES 1

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

33.5m (110 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
12.2	74.8	71.8	27 400 *																			12.2
14.0	71.8	71.3	26 400 *																			14.0
16.0	68.5	70.6	25 100 *																			16.0
18.0	65.1	69.7	23 700																			18.0
20.0	61.5	68.7	21 000	66.7	69.9	19 300																20.0
22.0	57.9	67.5	18 500	63.3	69.0	17 000	66.3	69.5	16 100													22.0
24.0	54.1	66.2	16 500	59.7	67.9	15 200	62.9	68.6	14 400													24.0
26.0	50.2	64.6	14 900	56.0	66.6	13 700	59.3	67.4	12 900													26.0
28.0	46.0	62.8	13 500	52.1	65.2	12 400	55.6	66.2	11 700	60.9	67.3	10 600										28.0
30.0	41.4	60.7	12 300	48.1	63.5	11 300	51.7	64.7	10 600	57.3	66.1	9 600										30.0
32.0	36.4	58.3	11 300	43.7	61.5	10 300	47.6	63.0	9 700	53.5	64.7	8 800										32.0
34.0	30.8	55.3	10 400	38.9	59.3	9 500	43.2	61.0	8 900	49.5	63.1	8 000	55.1	64.4	7 200							34.0
36.0	24.0	51.4	9 600	33.6	56.5	8 800	38.4	58.7	8 300	45.2	61.3	7 400	51.2	62.9	6 600							36.0
38.0	14.4	45.6	8 900	27.5	53.2	8 100	33.0	55.9	7 600	40.6	59.1	6 800	47.0	61.2	6 100							38.0
40.0				19.6	48.6	7 500	26.7	52.4	7 100	35.5	56.6	6 300	42.6	59.2	5 600	48.6	60.7	4 900				40.0
42.0							18.5	47.6	6 500	29.7	53.5	5 800	37.7	56.8	5 200	44.3	58.8	4 500				42.0
44.0										22.6	49.4	5 400	32.3	53.9	4 800	39.6	56.6	4 100				44.0
46.0													25.8	50.3	4 400	34.4	53.9	3 800	41.2	55.9	3 200	46.0
48.0													17.3	45.3	4 100	28.4	50.6	3 500	36.2	53.4	2 900	48.0
50.0																20.9	46.3	3 200	30.4	50.4	2 700	50.0
52.0																			23.5	46.4	2 500	52.0
54.0																			13.7	40.5	2 200	54.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

33.5m (110 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Jib Oper. Rad. m
12.2	76.0	75.0	22 300 *																		12.2
14.0	73.2	74.5	21 700 *																		14.0
16.0	70.2	73.8	21 300 *																		16.0
18.0	67.1	73.0	20 400 *																		18.0
20.0	63.9	72.1	19 300 *	68.6	73.2	19 200															20.0
22.0	60.6	71.1	18 200	65.5	72.3	16 900															22.0
24.0	57.3	69.9	16 500	62.3	71.3	15 100	65.1	71.9	14 300												24.0
26.0	53.8	68.5	14 800	58.9	70.2	13 500	61.9	70.9	12 800												26.0
28.0	50.1	66.9	13 400	55.5	68.9	12 300	58.5	69.8	11 600												28.0
30.0	46.2	65.1	12 200	51.9	67.5	11 200	55.1	68.5	10 500	60.1	69.7	9 500									30.0
32.0	42.0	63.1	11 200	48.1	65.8	10 200	51.5	67.0	9 600	56.7	68.4	8 700									32.0
34.0	37.5	60.7	10 300	44.1	63.9	9 400	47.7	65.3	8 800	53.1	67.0	7 900									34.0
36.0	32.5	57.8	9 500	39.8	61.6	8 700	43.6	63.3	8 200	49.4	65.4	7 300	54.7	66.7	6 500						36.0
38.0	26.6	54.3	8 800	35.0	59.0	8 000	39.3	61.1	7 500	45.5	63.6	6 700	51.0	65.2	5 900						38.0
40.0	19.2	49.6	8 200	29.6	55.9	7 400	34.4	58.4	7 000	41.3	61.5	6 200	47.2	63.5	5 400						40.0
42.0				23.1	51.8	6 900	28.9	55.2	6 500	36.7	59.0	5 800	43.1	61.5	5 000	48.7	63.0	4 300			42.0
44.0				14.0	45.9	6 400	22.2	51.0	6 000	31.6	56.1	5 300	38.7	59.2	4 700	44.7	61.1	4 000			44.0
46.0										25.5	52.4	4 900	33.8	56.5	4 300	40.4	58.9	3 700	3 100		46.0
48.0										17.6	47.3	4 600	28.2	53.1	4 000	35.7	56.4	3 400	2 800		48.0
50.0													21.3	48.8	3 700	30.4	53.3	3 100	2 600		50.0
52.0																24.1	49.4	2 900	2 400		52.0
54.0																15.6	43.9	2 600	2 200		54.0
56.0																			2 000		56.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Crane Counterweight

360 Degree Rating

777 SERIES 1

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

33.5m (110 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
13.7	74.9	77.7	20 400 *																			13.7
14.0	74.5	77.7	20 300 *																			14.0
16.0	71.7	77.0	19 700 *																			16.0
18.0	68.8	76.3	18 700 *																			18.0
20.0	65.9	75.5	17 700 *	70.2	76.4	19 000																20.0
22.0	62.9	74.5	16 800 *	67.3	75.7	16 800																22.0
24.0	59.9	73.4	15 900 *	64.4	74.8	14 900																24.0
26.0	56.7	72.2	14 700	61.4	73.7	13 400	64.0	74.4	12 600													26.0
28.0	53.4	70.8	13 300	58.3	72.6	12 100	61.0	73.3	11 400													28.0
30.0	50.0	69.2	12 100	55.0	71.3	11 000	57.9	72.1	10 400													30.0
32.0	46.4	67.4	11 100	51.7	69.8	10 100	54.7	70.8	9 500	59.3	72.0	8 500										32.0
34.0	42.6	65.4	10 200	48.2	68.1	9 300	51.3	69.3	8 700	56.2	70.8	7 800										34.0
36.0	38.4	63.1	9 400	44.5	66.2	8 500	47.8	67.6	8 000	52.9	69.3	7 100										36.0
38.0	33.9	60.3	8 700	40.5	64.0	7 900	44.0	65.7	7 400	49.4	67.7	6 600	54.3	69.0	5 700							38.0
40.0	28.7	57.0	8 100	36.2	61.5	7 300	40.0	63.4	6 800	45.8	65.9	6 100	50.9	67.5	5 300							40.0
42.0	22.5	52.9	7 500	31.3	58.5	6 800	35.6	60.9	6 300	41.9	63.8	5 600	47.3	65.8	4 900							42.0
44.0	13.9	46.8	7 000	25.7	54.8	6 300	30.7	57.8	5 900	37.7	61.4	5 200	43.6	63.8	4 500	48.7	65.3	3 800				44.0
46.0				18.6	49.9	5 900	25.0	54.0	5 500	33.1	58.6	4 800	39.5	61.6	4 200	45.0	63.4	3 500				46.0
48.0							17.6	48.9	5 100	27.7	55.2	4 500	35.1	58.9	3 800	41.1	61.3	3 200	46.2	62.6	2 600	48.0
50.0										21.3	50.8	4 100	30.1	55.8	3 500	36.8	58.8	3 000	42.4	60.6	2 400	50.0
52.0													24.2	51.9	3 300	32.0	55.9	2 700	38.2	58.2	2 200	52.0
54.0													16.5	46.5	3 000	26.6	52.3	2 500	33.6	55.5	2 000	54.0
56.0															2 300	19.7	47.6	2 300	28.4	52.1	1 800	56.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

33.5m (110 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg
13.7	75.9	80.9	19 000 *															13.7
14.0	75.5	80.8	18 900 *															14.0
16.0	72.9	80.2	18 300 *															16.0
18.0	70.3	79.6	17 300 *															18.0
20.0	67.6	78.8	16 400 *															20.0
22.0	64.9	77.9	15 400 *	68.9	78.9	16 600												22.0
24.0	62.1	76.9	14 600 *	66.2	78.1	14 900												24.0
26.0	59.2	75.8	13 700 *	63.4	77.2	13 400	65.9	77.7	12 600									26.0
28.0	56.2	74.5	12 900 *	60.6	76.1	12 100	63.1	76.8	11 400									28.0
30.0	53.1	73.1	12 100	57.7	74.9	11 000	60.3	75.7	10 300									30.0
32.0	49.9	71.5	11 100	54.7	73.6	10 000	57.3	74.5	9 400	61.6	75.5	8 400						32.0
34.0	46.6	69.7	10 200	51.5	72.1	9 200	54.3	73.1	8 700	58.7	74.4	7 700						34.0
36.0	43.0	67.7	9 400	48.2	70.4	8 500	51.2	71.6	7 900	55.7	73.1	7 100						36.0
38.0	39.2	65.4	8 700	44.8	68.5	7 800	47.9	69.9	7 300	52.6	71.7	6 500						38.0
40.0	35.1	62.8	8 000	41.1	66.3	7 200	44.4	68.0	6 800	49.4	70.0	6 000	53.9	71.4	5 200			40.0
42.0	30.4	59.7	7 500	37.1	63.9	6 700	40.7	65.8	6 300	46.0	68.2	5 600	50.8	69.8	4 800			42.0
44.0	25.0	55.9	7 000	32.8	61.0	6 300	36.7	63.3	5 800	42.4	66.2	5 200	47.4	68.1	4 400			44.0
46.0	18.2	50.8	6 500	27.8	57.6	5 800	32.2	60.4	5 400	38.5	63.8	4 800	43.9	66.1	4 100	48.7	67.6	3 400
48.0				21.8	53.3	5 400	27.2	56.9	5 100	34.3	61.1	4 400	40.2	63.9	3 800	45.3	65.7	3 200
50.0				13.5	47.0	5 100	21.0	52.4	4 700	29.6	57.9	4 100	36.1	61.4	3 500	41.6	63.6	2 900
52.0										24.0	53.9	3 800	31.6	58.4	3 200	37.7	61.2	2 700
54.0										16.8	48.6	3 500	26.5	54.8	3 000	33.4	58.4	2 500
56.0													20.2	50.2	2 800	28.5	55.1	2 200
58.0																22.7	50.9	2 100
60.0																15.0	45.0	1 800
60.0																		60.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Crane Counterweight

360 Degree Rating

777 SERIES 1

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

33.5m (110 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg
15.2	74.9	83.6	17 100 *															
16.0	74.0	83.4	16 800 *															
18.0	71.6	82.8	15 900 *															
20.0	69.1	82.1	15 000 *															
22.0	66.5	81.3	14 100 *															
24.0	63.9	80.4	13 200 *	67.8	81.4	14 500 *												
26.0	61.3	79.3	12 400 *	65.2	80.6	13 200	67.5	81.1	12 500									
28.0	58.6	78.2	11 600 *	62.6	79.6	11 900	64.9	80.2	11 200									
30.0	55.8	76.9	10 900 *	59.9	78.5	10 800	62.3	79.2	10 200									
32.0	52.9	75.4	10 200 *	57.2	77.3	9 900	59.6	78.1	9 300									
34.0	49.9	73.8	9 500 *	54.3	75.9	9 100	56.8	76.8	8 500	60.8	77.9	7 600						
36.0	46.7	72.1	8 900 *	51.4	74.4	8 400	54.0	75.4	7 800	58.1	76.7	6 900						
38.0	43.4	70.1	8 300 *	48.3	72.7	7 700	51.0	73.9	7 200	55.3	75.4	6 400						
40.0	39.9	67.8	7 800 *	45.1	70.8	7 200	47.9	72.2	6 700	52.4	74.0	5 800	56.5	75.1	5 100			
42.0	36.1	65.2	7 300 *	41.6	68.7	6 600	44.7	70.3	6 100	49.4	72.3	5 400	53.6	73.7	4 700			
44.0	31.8	62.3	6 800 *	38.0	66.3	6 200	41.2	68.1	5 700	46.2	70.5	5 000	50.7	72.1	4 300			
46.0	27.1	58.7	6 400 *	34.0	63.5	5 700	37.5	65.7	5 300	42.8	68.5	4 600	47.5	70.4	3 900	51.8	71.5	3 300
48.0	21.3	54.3	6 000	29.5	60.3	5 300	33.5	62.9	4 900	39.3	66.2	4 300	44.3	68.4	3 600	48.7	69.9	3 000
50.0	13.5	47.9	5 400	24.3	56.3	4 900	28.9	59.6	4 600	35.4	63.6	4 000	40.8	66.3	3 400	45.5	68.0	2 700
52.0				17.7	51.1	4 600	23.6	55.6	4 300	31.1	60.5	3 700	37.1	63.8	3 100	42.1	65.9	2 500
54.0							16.8	50.1	4 000	26.2	56.8	3 400	33.0	60.9	2 900	38.5	63.6	2 300
56.0										20.2	52.2	3 200	28.3	57.6	2 600	34.5	60.9	2 100
58.0										22.9	53.4	2 400	22.9	53.4	2 400	30.1	57.7	1 900
60.0													15.8	47.7	2 200			60.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

33.5m (110 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Jib Oper. Rad.	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg
15.2	75.9	86.8	15 300 *															
16.0	75.0	86.6	15 200 *															
18.0	72.7	86.0	14 600 *															
20.0	70.3	85.3	13 800 *															
22.0	68.0	84.6	12 900 *															
24.0	65.6	83.7	12 100 *	69.1	84.7	13 300 *												
26.0	63.1	82.8	11 300 *	66.8	83.9	12 500 *												
28.0	60.6	81.7	10 600 *	64.3	83.0	11 800	66.5	83.5	11 100									
30.0	58.0	80.5	9 900 *	61.8	82.0	10 800	64.0	82.6	10 100									
32.0	55.4	79.2	9 200 *	59.3	80.8	9 800	61.6	81.6	9 200									
34.0	52.7	77.7	8 600 *	56.7	79.6	9 000	59.0	80.4	8 400									
36.0	49.8	76.1	8 000 *	54.0	78.2	8 200	56.4	79.2	7 700									
38.0	46.9	74.4	7 400 *	51.2	76.7	7 600	53.7	77.8	7 100									
40.0	43.8	72.4	6 900 *	48.3	75.0	7 000	50.9	76.2	6 500									
42.0	40.5	70.2	6 400 *	45.3	73.1	6 500	48.0	74.5	6 100									
44.0	36.9	67.7	5 900 *	42.1	71.0	6 000	44.9	72.6	5 600									
46.0	33.1	64.8	5 500 *	38.7	68.7	5 600	41.7	70.5	5 200									
48.0	28.8	61.5	5 000 *	35.0	66.0	5 200	38.3	68.1	4 800									
50.0	23.8	57.4	4 500 *	30.9	62.9	4 900	34.6	65.4	4 500									
52.0	17.5	52.1	4 000 *	26.3	59.2	4 500	30.4	62.2	4 200									
54.0				20.8	54.7	4 200	25.7	58.5	3 900									
56.0				13.2	48.1	3 800 *	20.0	53.8	3 600									
58.0							22.8	55.4	2 800									
60.0							16.2	49.8	2 600									
62.0																		

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Crane Counterweight

360 Degree Rating

777 SERIES 1

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

36.6m (120 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
10.7	68.0	59.4	44 100 *b																			10.7
12.0	64.1	58.8	41 000 b																			12.0
14.0	58.0	57.7	33 800	67.8	59.1	31 300 b																14.0
16.0	51.4	56.3	28 400	61.8	58.1	26 200 b																16.0
18.0	44.1	54.4	24 400	55.5	56.9	22 500	61.6	57.8	21 400 b													18.0
20.0	35.7	52.0	21 400	48.7	55.3	19 700	55.3	56.5	18 700													20.0
22.0	25.1	48.6	18 900	41.1	53.3	17 400	48.5	55.0	16 500													22.0
24.0				32.1	50.6	15 600	40.8	52.9	14 800													24.0
26.0							31.7	50.2	13 300													26.0
28.0							19.2	46.0	12 000													28.0
30.0																						30.0
32.0																						32.0
34.0																						34.0
36.0																						36.0
38.0																						38.0
40.0																						40.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

36.6m (120 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m		
10.7	70.9	62.6	39 000 *b																		10.7	
12.0	67.5	62.1	37 900 *b																		12.0	
14.0	62.3	61.2	33 900																		14.0	
16.0	56.9	60.0	28 300	65.6	61.5	26 100 b															16.0	
18.0	51.1	58.6	24 300	60.3	60.5	22 400															18.0	
20.0	44.7	56.8	21 300	54.7	59.2	19 500	60.1	60.1	18 500												20.0	
22.0	37.6	54.5	18 800	48.8	57.6	17 300	54.5	58.9	16 400												22.0	
24.0	29.0	51.4	16 800	42.2	55.7	15 500	48.5	57.3	14 600	57.9	58.9	13 300									24.0	
26.0				34.6	53.1	13 900	41.9	55.3	13 200	52.1	57.5	11 900	55.3	57.3	9 700						26.0	
28.0				25.1	49.7	12 600	34.3	52.7	12 000	45.9	55.8	10 800	49.4	55.8	8 800						28.0	
30.0							24.7	49.2	10 900	38.9	53.6	9 800	42.8	53.8	8 000						30.0	
32.0							8.0	42.4	9 900	30.7	50.7	9 000	35.4	51.4	7 400	55.3	55.3	7 100			32.0	
34.0										19.6	46.4	8 300	26.2	48.0	6 800	53.6	53.6	6 500			34.0	
36.0													11.7	42.2	6 200	39.3	51.4	6 000	42.4	50.9	36.0	
38.0																31.1	48.6	5 500			38.0	
40.0																20.2	44.4	5 000	34.9	48.4	40.0	
42.0																25.5	45.0	4 000	25.5	45.0	42.0	
44.0																10.1	38.7	3 600	10.1	38.7	44.0	

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Crane Counterweight

360 Degree Rating

777 SERIES 1

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

36.6m (120 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
10.7	73.1	65.8	35 900 *b																			10.7
12.0	70.1	65.4	34 900 *b																			12.0
14.0	65.6	64.6	32 900																			14.0
16.0	61.0	63.6	28 300	68.4	64.8	26 100 b																16.0
18.0	56.0	62.3	24 200	63.9	63.9	22 300																18.0
20.0	50.8	60.9	21 200	59.1	62.9	19 400	63.7	63.6	18 400													20.0
22.0	45.2	59.1	18 700	54.1	61.5	17 200	59.0	62.5	16 200													22.0
24.0	39.0	56.9	16 800	48.8	59.9	15 400	53.9	61.2	14 500													24.0
26.0	31.8	54.0	15 100	43.0	58.0	13 900	48.6	59.6	13 100	56.9	61.3	11 800										26.0
28.0	22.6	50.1	13 700	36.4	55.6	12 600	42.7	57.6	11 900	51.8	59.8	10 700										28.0
30.0				28.6	52.5	11 400	36.2	55.2	10 800	46.2	58.1	9 700	54.6	59.6	8 700							30.0
32.0				18.1	47.8	10 500	28.3	52.0	9 900	40.1	55.9	8 900	49.3	58.1	7 900							32.0
34.0							17.6	47.3	9 100	33.1	53.3	8 200	43.6	56.2	7 200							34.0
36.0										24.4	49.6	7 500	37.1	53.8	6 700	46.5	55.9	5 800				36.0
38.0										10.5	43.3	6 900	29.5	50.8	6 100	40.4	53.8	5 400				38.0
40.0													19.4	46.4	5 700	33.5	51.1	4 900	43.2	53.2	4 200	40.0
42.0																24.9	47.5	4 600	36.7	50.8	3 900	42.0
44.0																11.5	41.5	4 200	28.9	47.7	3 600	44.0
46.0																18.5	43.2	3 300	18.5	43.2	3 300	46.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

36.6m (120 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Point Elev. m	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Point Elev. m	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Point Elev. m	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Point Elev. m	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Point Elev. m	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Point Elev. m					
10.7	74.8	69.0	33 000 *b																							10.7			
12.0	72.2	68.6	32 100 *b																							12.0			
14.0	68.2	67.9	30 700 *																							14.0			
16.0	64.1	67.0	28 400																							16.0			
18.0	59.8	65.9	24 200	66.7	67.3	22 200																				18.0			
20.0	55.4	64.7	21 100	62.5	66.3	19 300	66.5	67.0	18 200																	20.0			
22.0	50.7	63.2	18 600	58.2	65.2	17 000	62.3	66.0	16 100																	22.0			
24.0	45.6	61.4	16 700	53.6	63.8	15 200	58.0	64.9	14 400																	24.0			
26.0	40.1	59.2	15 000	48.8	62.2	13 700	53.5	63.5	12 900	60.6	64.8	11 600														26.0			
28.0	33.8	56.6	13 600	43.6	60.3	12 400	48.6	61.9	11 700	56.2	63.6	10 500														28.0			
30.0	26.3	53.1	12 400	37.8	58.0	11 300	43.4	59.9	10 700	51.5	62.1	9 500														30.0			
32.0	15.9	47.9	11 400	31.2	55.1	10 400	37.6	57.6	9 700	46.5	60.4	8 800	54.1	62.0	7 700											32.0			
34.0				22.9	51.2	9 500	30.9	54.7	9 000	41.1	58.3	8 000	49.3	60.4	7 100											34.0			
36.0							22.6	50.7	8 200	35.0	55.7	7 400	44.1	58.5	6 500											36.0			
38.0							8.5	43.5	7 600	27.7	52.5	6 800	38.4	56.2	6 000	46.8	58.2	5 100								38.0			
40.0										18.1	47.7	6 300	31.9	53.4	5 500	41.3	56.1	4 700								40.0			
42.0													23.8	49.6	5 100	35.3	53.6	4 400	55.6	3 700						42.0			
44.0													11.4	43.3	4 700	28.1	50.4	4 000	38.0	3 400	53.2	34.0				44.0			
46.0																18.6	45.7	3 700	31.4	3 100	31.4	50.4				46.0			
48.0																			23.2	2 800	48.0	46.0					48.0		
50.0																			10.1	2 600	50.0	50.0					50.0		

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Crane Counterweight

360 Degree Rating

777 SERIES 1

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

36.6m (120 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg
12.2	73.5	71.7	29 500 *																		
14.0	70.3	71.1	28 400 *																		
16.0	66.6	70.4	27 000																		
18.0	62.8	69.4	24 300																		
20.0	58.9	68.3	21 100	65.2	69.7	19 300															
22.0	54.8	67.0	18 600	61.3	68.7	17 000	65.0	69.4	16 100												
24.0	50.5	65.5	16 700	57.4	67.5	15 200	61.2	68.4	14 300												
26.0	45.9	63.7	15 000	53.2	66.2	13 700	57.2	67.2	12 900												
28.0	41.0	61.6	13 600	48.8	64.5	12 400	53.1	65.8	11 700	59.6	67.2	10 500									
30.0	35.4	59.0	12 400	44.1	62.6	11 300	48.7	64.2	10 600	55.5	65.9	9 500									
32.0	29.0	55.9	11 400	38.9	60.4	10 400	43.9	62.3	9 700	51.3	64.4	8 700	57.8	65.6	7 700						
34.0	20.9	51.6	10 500	33.1	57.6	9 500	38.8	60.0	8 900	46.7	62.7	8 000	53.6	64.3	7 000						
36.0				26.2	54.1	8 800	32.9	57.2	8 300	41.8	60.6	7 400	49.3	62.7	6 400						
38.0				16.9	49.1	8 100	26.0	53.7	7 600	36.4	58.2	6 800	44.6	60.8	6 000						
40.0							16.5	48.5	7 100	30.2	55.1	6 300	39.5	58.6	5 500	47.0	60.5	4 700			
42.0										22.5	51.1	5 800	33.7	55.9	5 100	42.1	58.5	4 300			
44.0										10.4	44.3	5 400	27.0	52.5	4 700	36.7	56.0	4 000	44.3	57.9	3 300
46.0													18.0	47.7	4 300	30.5	53.0	3 700	39.1	55.6	3 000
48.0																22.9	49.0	3 400	33.3	52.9	2 800
50.0																11.3	42.5	3 100	26.5	49.4	2 600
52.0																			17.3	44.5	2 300



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

36.6m (120 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Jib Oper. Rad. m
12.2	74.9	74.9	23 400 *																		12.2
14.0	72.0	74.4	22 900 *																		14.0
16.0	68.6	73.7	22 300 *																		16.0
18.0	65.2	72.8	21 800 *																		18.0
20.0	61.7	71.8	20 800	67.4	73.1	19 100															20.0
22.0	58.1	70.6	18 500	63.9	72.2	16 900															22.0
24.0	54.3	69.3	16 500	60.4	71.1	15 100	63.8	71.8	14 200												24.0
26.0	50.4	67.8	14 900	56.7	69.9	13 500	60.3	70.8	12 700												26.0
28.0	46.2	66.0	13 500	52.9	68.5	12 300	56.6	69.5	11 500												28.0
30.0	41.7	63.9	12 300	48.8	66.8	11 200	52.7	68.1	10 500	58.7	69.5	9 400									30.0
32.0	36.7	61.5	11 300	44.5	65.0	10 200	48.7	66.5	9 600	55.0	68.2	8 500									32.0
34.0	31.1	58.5	10 400	39.9	62.7	9 400	44.4	64.6	8 800	51.1	66.7	7 800	57.1	68.0	6 800						34.0
36.0	24.4	54.7	9 600	34.7	60.1	8 700	39.7	62.4	8 100	46.9	65.0	7 200	53.3	66.6	6 300						36.0
38.0	15.1	49.1	8 900	28.7	56.9	8 000	34.5	59.7	7 500	42.5	63.0	6 600	49.2	65.0	5 800						38.0
40.0				21.3	52.6	7 400	28.5	56.4	7 000	37.6	60.6	6 100	45.0	63.1	5 300	51.3	64.5	4 500			40.0
42.0							21.0	52.1	6 500	32.1	57.7	5 700	40.3	60.9	4 900	47.1	62.8	4 100			42.0
44.0							8.8	44.6	6 000	25.6	54.1	5 300	35.2	58.4	4 500	42.7	60.8	3 800			44.0
46.0										17.0	49.0	4 900	29.4	55.2	4 200	37.8	58.4	3 500	2 900		46.0
48.0													22.1	51.1	3 900	32.4	55.6	3 200	2 600		48.0
50.0													11.2	44.4	3 600	26.0	52.0	3 000	2 400		50.0
52.0																17.5	47.0	2 700	2 200		52.0
54.0																21.6	47.9	2 000	2 000		54.0

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Crane Counterweight

360 Degree Rating

777 SERIES 1

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

36.6m (120 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
13.7	73.8	77.6	21 500 *																			13.7
14.0	73.4	77.6	21 500 *																			14.0
16.0	70.4	76.9	20 900 *																			16.0
18.0	67.3	76.1	20 300 *																			18.0
20.0	64.1	75.2	19 300 *	69.2	76.3	19 000																20.0
22.0	60.8	74.2	18 200	66.1	75.5	16 800																22.0
24.0	57.4	73.0	16 500	62.9	74.6	14 900	66.0	75.2	14 100													24.0
26.0	53.9	71.6	14 800	59.6	73.5	13 400	62.7	74.2	12 600													26.0
28.0	50.3	70.1	13 400	56.1	72.2	12 200	59.4	73.1	11 400													28.0
30.0	46.4	68.3	12 200	52.6	70.8	11 100	56.0	71.9	10 400													30.0
32.0	42.3	66.2	11 200	48.8	69.1	10 100	52.5	70.4	9 500	58.0	71.9	8 400										32.0
34.0	37.8	63.9	10 300	44.9	67.3	9 300	48.7	68.8	8 700	54.6	70.6	7 700										34.0
36.0	32.8	61.0	9 500	40.6	65.1	8 600	44.7	66.9	8 000	50.9	69.0	7 100										36.0
38.0	27.0	57.5	8 800	35.9	62.6	7 900	40.5	64.7	7 400	47.1	67.3	6 500	52.9	68.9	5 600							38.0
40.0	19.6	52.9	8 200	30.7	59.5	7 400	35.8	62.2	6 800	43.0	65.3	6 000	49.2	67.3	5 200							40.0
42.0				24.4	55.7	6 800	30.5	59.1	6 400	38.6	63.0	5 600	45.3	65.4	4 800	51.1	66.8	4 000				42.0
44.0				16.1	50.3	6 300	24.2	55.2	5 900	33.7	60.2	5 200	41.1	63.3	4 400	47.3	65.1	3 700				44.0
46.0							15.7	49.7	5 500	28.0	56.9	4 800	36.4	60.8	4 100	43.2	63.1	3 400				46.0
48.0										21.1	52.5	4 400	31.2	57.8	3 800	38.8	60.8	3 100	45.0	62.5	2 500	48.0
50.0										10.4	45.4	4 100	25.1	54.1	3 500	33.9	58.1	2 900	40.8	60.3	2 300	50.0
52.0													17.1	48.9	3 200	28.3	54.8	2 600	36.1	57.8	2 100	52.0
54.0																21.4	50.5	2 400	30.9	54.8	1 900	54.0
56.0																11.1	43.6	2 200				56.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

36.6m (120 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg
13.7	75.0	80.8	20 100 *															13.7
																		14.0
																		14.0
16.0	71.8	80.1	19 500 *															16.0
18.0	69.0	79.4	18 700 *															18.0
20.0	66.1	78.6	17 700 *	70.7	79.6	18 900												20.0
22.0	63.1	77.6	16 800 *	67.9	78.8	16 600												22.0
24.0	60.0	76.6	15 900 *	64.9	78.0	14 800												24.0
26.0	56.9	75.3	14 700	61.9	77.0	13 300	64.8	77.6	12 500									26.0
28.0	53.6	73.9	13 300	58.8	75.8	12 000	61.8	76.6	11 200									28.0
30.0	50.2	72.4	12 100	55.7	74.5	10 900	58.7	75.5	10 200									30.0
32.0	46.6	70.6	11 100	52.3	73.1	10 000	55.5	74.2	9 300									32.0
34.0	42.8	68.6	10 200	48.9	71.4	9 200	52.2	72.7	8 500									34.0
36.0	38.7	66.2	9 400	45.2	69.6	8 500	48.7	71.1	7 800									36.0
38.0	34.1	63.5	8 700	41.3	67.4	7 800	45.0	69.2	7 200									38.0
40.0	29.0	60.3	8 100	37.0	65.0	7 200	41.1	67.1	6 700									40.0
42.0	22.9	56.2	7 500	32.3	62.1	6 700	36.8	64.6	6 200									42.0
44.0	14.5	50.2	7 000	26.8	58.6	6 200	32.1	61.7	5 800									44.0
46.0				20.1	54.0	5 800	26.6	58.1	5 400									46.0
48.0							19.8	53.5	5 000									48.0
50.0							9.0	45.7	4 600									50.0
52.0																		52.0
54.0																		54.0
56.0																		56.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Crane Counterweight

360 Degree Rating

777 SERIES 1

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

36.6m (120 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
13.7	76.0	84.0	18 700 *																13.7
14.0	75.7	83.9	18 700 *																14.0
16.0	73.1	83.3	18 200 *																16.0
18.0	70.4	82.7	17 300 *																18.0
20.0	67.7	81.9	16 300 *																20.0
22.0	65.0	81.0	15 400 *	69.4	82.1	16 600													22.0
24.0	62.2	80.0	14 600 *	66.7	81.3	14 700													24.0
26.0	59.3	78.9	13 700 *	64.0	80.4	13 200	66.6	81.0	12 400										26.0
28.0	56.4	77.7	13 000 *	61.1	79.3	12 000	63.9	80.0	11 200										28.0
30.0	53.3	76.2	12 100	58.2	78.2	10 900	61.0	79.0	10 200										30.0
32.0	50.1	74.7	11 100	55.2	76.9	9 900	58.1	77.8	9 300	62.7	78.9	8 200							32.0
34.0	46.8	72.9	10 100	52.1	75.4	9 100	55.1	76.5	8 500	59.8	77.8	7 500							34.0
36.0	43.2	70.9	9 400	48.9	73.7	8 400	52.0	75.0	7 800	56.9	76.6	6 900							36.0
38.0	39.4	68.6	8 700	45.4	71.9	7 700	48.7	73.4	7 200	53.8	75.2	6 300							38.0
40.0	35.3	66.0	8 000	41.8	69.8	7 200	45.3	71.5	6 700	50.7	73.6	5 800	55.5	75.0	5 000				40.0
42.0	30.7	62.9	7 500	37.9	67.4	6 700	41.7	69.4	6 200	47.4	71.9	5 300	52.4	73.5	4 600				42.0
44.0	25.3	59.2	7 000	33.6	64.6	6 200	37.8	67.0	5 700	43.8	69.9	5 000	49.2	71.9	4 200				44.0
46.0	18.6	54.2	6 500	28.8	61.3	5 800	33.4	64.2	5 300	40.1	67.7	4 600	45.8	70.0	3 900	50.8	71.4	3 200	46.0
48.0				23.0	57.2	5 400	28.6	60.9	4 900	36.0	65.2	4 300	42.2	68.0	3 600	47.5	69.7	2 900	48.0
50.0				15.4	51.5	5 000	22.8	56.7	4 600	31.5	62.2	3 900	38.3	65.6	3 300	44.0	67.8	2 700	50.0
52.0							15.1	50.9	4 300	26.3	58.6	3 600	34.1	62.9	3 100	40.3	65.6	2 400	52.0
54.0										20.0	53.9	3 400	29.3	59.6	2 800	36.2	63.0	2 200	54.0
56.0										10.4	46.5	3 100	23.7	55.6	2 600	31.7	60.0	2 000	56.0
58.0													16.3	50.1	2 300				58.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

36.6m (120 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg
15.2	75.1	86.7	17 100 *															
16.0	74.1	86.5	16 700 *															
18.0	71.7	85.9	15 800 *															
20.0	69.2	85.2	14 900 *															
22.0	66.7	84.4	14 100 *															
24.0	64.1	83.5	13 200 *	68.2	84.6	14 500												
26.0	61.4	82.4	12 400 *	65.7	83.8	13 100												
28.0	58.7	81.3	11 700 *	63.1	82.8	11 800	65.6	83.4	11 100									
30.0	55.9	80.0	10 900 *	60.4	81.7	10 800	63.0	82.5	10 000									
32.0	53.0	78.6	10 200 *	57.7	80.5	9 800	60.3	81.4	9 100									
34.0	50.0	77.0	9 600 *	54.8	79.2	9 000	57.6	80.2	8 300	61.9	81.3	7 300						
36.0	46.9	75.2	9 000 *	51.9	77.7	8 300	54.7	78.8	7 700	59.2	80.2	6 700						
38.0	43.6	73.2	8 400 *	48.9	76.0	7 600	51.8	77.3	7 100	56.4	78.9	6 100						
40.0	40.1	71.0	7 800 *	45.7	74.2	7 100	48.8	75.7	6 500	53.5	77.5	5 700						
42.0	36.3	68.4	7 300 *	42.3	72.1	6 500	45.6	73.8	6 100	50.6	75.9	5 200	55.1	77.3	4 400			
44.0	32.1	65.5	6 800 *	38.7	69.8	6 100	42.2	71.7	5 600	47.5	74.2	4 800	52.2	75.8	4 000			
46.0	27.3	62.0	6 400	34.7	67.1	5 700	38.5	69.4	5 200	44.2	72.3	4 400	49.2	74.2	3 700			
48.0	21.7	57.6	6 000	30.4	64.0	5 300	34.6	66.7	4 800	40.7	70.1	4 100	46.0	72.3	3 400	50.7	73.7	2 700
50.0	14.0	51.4	5 500	25.3	60.2	4 900	30.2	63.5	4 500	36.9	67.6	3 800	42.6	70.3	3 100	47.6	72.0	2 500
52.0				19.1	55.3	4 500	25.1	59.7	4 200	32.8	64.7	3 500	39.0	68.0	2 900	44.3	70.1	2 200
54.0							18.9	54.8	3 900	28.2	61.3	3 300	35.1	65.3	2 600	40.9	67.9	2 100
56.0							9.1	46.8	3 600	22.7	57.1	3 000	30.8	62.3	2 400	37.1	65.4	1 800
58.0										15.6	51.4	2 800	25.9	58.5	2 200	19.8	53.8	2 000
60.0													11.0	46.5	1 900			
62.0																		



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Crane Counterweight

360 Degree Rating

777 SERIES 1

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

36.6m (120 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
15.2	76.0	89.9	15 000 *																15.2
16.0	75.1	89.7	15 000 *																16.0
18.0	72.8	89.1	14 500 *																18.0
20.0	70.5	88.4	13 800 *																20.0
22.0	68.1	87.7	12 900 *																22.0
24.0	65.7	86.8	12 100 *	69.6	87.9	13 400 *													24.0
26.0	63.3	85.9	11 300 *	67.2	87.1	12 700													26.0
28.0	60.7	84.8	10 600 *	64.8	86.2	11 800	67.1	86.7	10 900										28.0
30.0	58.2	83.6	9 900 *	62.3	85.2	10 600	64.7	85.8	9 900										30.0
32.0	55.5	82.3	9 200 *	59.8	84.1	9 700	62.2	84.8	9 000										32.0
34.0	52.8	80.9	8 600 *	57.2	82.9	8 900	59.7	83.7	8 300										34.0
36.0	50.0	79.3	8 000 *	54.5	81.5	8 200	57.1	82.5	7 600	61.2	83.7	6 600							36.0
38.0	47.0	77.5	7 500 *	51.8	80.0	7 500	54.4	81.1	7 000	58.6	82.5	6 000							38.0
40.0	43.9	75.5	6 900 *	48.9	78.3	6 900	51.7	79.6	6 400	56.0	81.2	5 500							40.0
42.0	40.6	73.3	6 400 *	45.9	76.5	6 400	48.8	78.0	5 900	53.3	79.8	5 100							42.0
44.0	37.1	70.9	6 000 *	42.7	74.4	6 000	45.8	76.1	5 500	50.5	78.2	4 700	54.8	79.6	3 900				44.0
46.0	33.3	68.0	5 500 *	39.3	72.2	5 600	42.6	74.1	5 100	47.5	76.5	4 300	52.0	78.1	3 600				46.0
48.0	29.0	64.7	5 100 *	35.7	69.5	5 200	39.2	71.8	4 700	44.5	74.6	4 000	49.2	76.5	3 300				48.0
50.0	24.0	60.7	4 600 *	31.7	66.5	4 800	35.6	69.1	4 400	41.2	72.4	3 700	46.2	74.7	3 000	50.6	76.0	2 300	50.0
52.0	17.9	55.5	4 100 *	27.2	63.0	4 500	31.6	66.1	4 100	37.7	70.0	3 400	43.0	72.6	2 700	47.7	74.3	2 100	52.0
54.0				21.9	58.6	4 200	27.1	62.6	3 800	34.0	67.2	3 100	39.7	70.4	2 500	44.6	72.4	1 900	54.0
56.0				14.9	52.6	3 900	21.7	58.2	3 500	29.8	64.0	2 900	36.1	67.8	2 300				56.0
58.0							14.6	52.0	3 300	25.0	60.1	2 700	32.1	64.8	2 100				58.0
60.0										19.1	55.2	2 500	27.7	61.3	1 900				60.0
62.0										10.3	47.6	2 300							62.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

39.6m (130 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m		
10.7	68.3	62.5	43 000 *b																		10.7	
12.0	64.4	61.9	40 900 b																		12.0	
14.0	58.3	60.8	33 800	68.8	62.2	31 000 b															14.0	
16.0	51.7	59.4	28 400	62.9	61.3	26 000 b															16.0	
18.0	44.5	57.6	24 400	56.7	60.2	22 300	63.2	61.0	21 100 b												18.0	
20.0	36.2	55.2	21 400	50.0	58.7	19 500	57.0	59.9	18 400												20.0	
22.0	25.8	51.9	18 900	42.6	56.8	17 300	50.3	58.4	16 300												22.0	
24.0				33.9	54.2	15 500	42.9	56.5	14 600	55.2	58.7	13 100									24.0	
26.0				22.5	50.5	13 900	34.3	54.0	13 100	48.3	57.2	11 800									26.0	
28.0							23.1	50.4	11 900	40.7	55.1	10 700	53.0	57.2	9 500						28.0	
30.0										31.5	52.4	9 700	45.9	55.5	8 600						30.0	
32.0										18.9	48.1	8 900	37.9	53.2	7 800	50.4	55.2	6 800			32.0	
34.0													28.0	50.2	7 200	43.0	53.3	6 300			34.0	
36.0																34.5	50.8	5 800			36.0	
38.0																23.3	47.2	5 300	39.4	50.7	38.0	
40.0																30.0			30.0	47.8	40.0	
42.0																16.3			16.3	43.1	42.0	

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Crane Counterweight

360 Degree Rating

777 SERIES 1

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

39.6m (130 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
10.7	71.1	65.7	38 600 *b																			10.7
12.0	67.8	65.2	37 500 *b																			12.0
14.0	62.6	64.3	33 900																			14.0
16.0	57.2	63.1	28 300	66.5	64.7	25 900 b																16.0
18.0	51.4	61.7	24 300	61.3	63.7	22 200																18.0
20.0	45.1	59.9	21 300	55.8	62.5	19 400	61.5	63.4	18 200													20.0
22.0	38.0	57.6	18 800	49.9	61.0	17 100	56.0	62.2	16 100													22.0
24.0	29.5	54.7	16 800	43.4	59.1	15 300	50.2	60.7	14 400													24.0
26.0				36.1	56.7	13 800	43.7	58.9	13 000	54.4	61.0	11 600										26.0
28.0				27.1	53.4	12 500	36.4	56.5	11 800	48.4	59.5	10 500										28.0
30.0				13.5	48.0	11 400	27.6	53.3	10 700	41.8	57.5	9 500	52.5	59.5	8 400							30.0
32.0							14.4	48.1	9 800	34.1	54.9	8 800	46.3	57.8	7 700							32.0
34.0										24.5	51.3	8 000	39.4	55.6	7 000	50.2	57.5	6 100				34.0
36.0													31.3	52.8	6 400	43.8	55.6	5 600				36.0
38.0													20.5	48.7	6 000	36.5	53.3	5 100				38.0
40.0																27.7	50.1	4 700	40.7	53.0	3 900	40.0
42.0																14.6	44.9	4 300	32.9	50.3	3 600	42.0
44.0																			22.8	46.5	3 300	44.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

39.6m (130 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m		
10.7	73.3	68.9	35 500 *b																		10.7	
12.0	70.4	68.5	34 500 *b																		12.0	
14.0	65.9	67.7	32 800																		14.0	
16.0	61.2	66.7	28 400	69.3	68.0	25 800 b															16.0	
18.0	56.3	65.5	24 200	64.7	67.1	22 100															18.0	
20.0	51.1	64.0	21 200	60.0	66.1	19 300	64.9	66.9	18 200												20.0	
22.0	45.5	62.2	18 700	55.1	64.8	17 000	60.2	65.8	16 000												22.0	
24.0	39.3	60.0	16 800	49.8	63.3	15 200	55.3	64.6	14 300												24.0	
26.0	32.2	57.3	15 100	44.1	61.4	13 700	50.0	63.0	12 900	58.9	64.7	11 500									26.0	
28.0	23.2	53.4	13 700	37.7	59.1	12 400	44.3	61.2	11 600	53.8	63.4	10 400									28.0	
30.0				30.2	56.1	11 300	38.0	58.9	10 600	48.5	61.8	9 500									30.0	
32.0				20.4	51.9	10 400	30.6	56.0	9 700	42.6	59.8	8 700	52.1	61.8	7 600						32.0	
34.0							21.0	51.8	8 900	36.0	57.3	7 900	46.6	60.1	6 900						34.0	
36.0										28.2	54.2	7 300	40.6	58.0	6 400	50.1	59.8	5 400			36.0	
38.0										17.3	49.4	6 700	33.6	55.3	5 900	44.4	58.0	5 000			38.0	
40.0													25.1	51.8	5 400	38.1	55.7	4 600			40.0	
42.0																30.7	52.8	4 200	3 500	41.7	42.0	
44.0																21.1	48.6	3 900	3 200	35.0	44.0	
46.0																			2 900	26.8	46.0	
48.0																			2 700	15.1	48.0	

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Crane Counterweight

360 Degree Rating

777 SERIES 1

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

39.6m (130 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
10.7	75.0	72.1	32 500 *b																			10.7
12.0	72.4	71.7	31 600 *b																			12.0
14.0	68.4	71.0	30 400 *																			14.0
16.0	64.3	70.1	28 300																			16.0
18.0	60.1	69.0	24 100	67.4	70.5	22 000																18.0
20.0	55.6	67.8	21 100	63.3	69.6	19 100	67.6	70.2	18 000													20.0
22.0	50.9	66.3	18 700	59.0	68.5	16 900	63.5	69.3	15 800													22.0
24.0	45.9	64.5	16 700	54.5	67.1	15 100	59.2	68.2	14 100													24.0
26.0	40.4	62.4	15 000	49.7	65.6	13 600	54.7	66.9	12 700	62.3	68.2	11 300										26.0
28.0	34.2	59.8	13 600	44.6	63.7	12 300	49.9	65.3	11 500	57.9	67.0	10 200										28.0
30.0	26.8	56.4	12 400	38.9	61.5	11 200	44.8	63.5	10 500	53.4	65.7	9 300										30.0
32.0	16.6	51.3	11 400	32.5	58.7	10 200	39.2	61.3	9 600	48.5	64.1	8 500	56.5	65.5	7 300							32.0
34.0				24.6	55.0	9 400	32.8	58.5	8 800	43.3	62.1	7 800	51.8	64.1	6 700							34.0
36.0				12.9	49.2	8 700	25.0	54.9	8 100	37.5	59.8	7 100	46.9	62.4	6 200							36.0
38.0							13.7	49.2	7 500	30.8	56.8	6 600	41.5	60.3	5 700							38.0
40.0										22.4	52.8	6 100	35.4	57.8	5 200	44.9	60.3	4 400				40.0
42.0													28.3	54.6	4 800	39.3	58.1	4 000				42.0
44.0													18.9	50.0	4 500	32.9	55.3	3 700	3 000	57.7		44.0
46.0																25.1	51.7	3 400	2 700	55.3		46.0
48.0																13.8	46.1	3 100	2 500	29.7		48.0
50.0																20.9	48.0	2 300	2 300	20.9		50.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

39.6m (130 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Jib Oper. Rad. m
12.2	73.7	74.8	29 000 *																		12.2
14.0	70.5	74.2	28 000 *																		14.0
16.0	66.8	73.4	26 800 *																		16.0
18.0	63.0	72.5	24 300																		18.0
20.0	59.1	71.4	21 100	65.9	72.9	19 100															20.0
22.0	55.0	70.1	18 600	62.1	72.0	16 900	66.0	72.6	15 800												22.0
24.0	50.7	68.6	16 700	58.1	70.8	15 100	62.2	71.7	14 100												24.0
26.0	46.2	66.8	15 000	54.0	69.5	13 500	58.3	70.5	12 700												26.0
28.0	41.2	64.7	13 600	49.7	67.9	12 300	54.2	69.2	11 500	61.1	70.6	10 200									28.0
30.0	35.7	62.2	12 400	45.0	66.0	11 200	49.9	67.6	10 500	57.2	69.4	9 200									30.0
32.0	29.4	59.1	11 400	39.9	63.9	10 200	45.2	65.8	9 600	53.0	68.0	8 400									32.0
34.0	21.4	54.9	10 500	34.3	61.2	9 400	40.2	63.6	8 800	48.6	66.4	7 700	55.8	67.9	6 700						34.0
36.0				27.6	57.9	8 700	34.5	61.0	8 100	43.8	64.4	7 100	51.6	66.4	6 100						36.0
38.0				19.0	53.2	8 100	27.9	57.7	7 500	38.6	62.2	6 600	47.1	64.7	5 600						38.0
40.0							19.4	53.2	6 900	32.8	59.4	6 100	42.2	62.7	5 200	49.9	64.4	4 400			40.0
42.0										25.8	55.8	5 600	36.8	60.2	4 800	45.3	62.6	4 000			42.0
44.0										16.3	50.6	5 200	30.7	57.2	4 400	40.2	60.4	3 700			44.0
46.0													23.1	53.3	4 100	34.6	57.8	3 400	2 700		46.0
48.0																28.0	54.5	3 100	2 500		48.0
50.0																19.6	50.0	2 900	2 300		50.0
52.0																			2 000		52.0
54.0																			1 800		54.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Crane Counterweight

360 Degree Rating

777 SERIES 1

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

39.6m (130 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg
12.2	75.1	78.0	23 000 *															
14.0	72.1	77.4	22 500 *															
16.0	68.8	76.7	22 000 *															
18.0	65.4	75.9	21 500 *															
20.0	61.9	74.9	20 800	68.0	76.2	18 900												
22.0	58.3	73.8	18 500	64.6	75.4	16 700												
24.0	54.6	72.4	16 500	61.0	74.3	14 900	64.7	75.1	14 000									
26.0	50.6	70.9	14 900	57.4	73.1	13 400	61.2	74.1	12 500									
28.0	46.4	69.1	13 500	53.6	71.8	12 100	57.6	72.9	11 300									
30.0	41.9	67.1	12 300	49.6	70.2	11 100	53.8	71.5	10 300	60.2	72.9	9 100						
32.0	37.0	64.6	11 300	45.3	68.4	10 100	49.8	69.9	9 400	56.5	71.7	8 300						
34.0	31.4	61.7	10 400	40.8	66.2	9 300	45.5	68.1	8 700	52.7	70.3	7 600						
36.0	24.8	58.0	9 600	35.7	63.7	8 600	41.0	66.0	8 000	48.6	68.7	7 000	55.3	70.2	6 000			
38.0	15.7	52.5	8 900	29.9	60.6	7 900	35.9	63.5	7 400	44.3	66.8	6 400	51.4	68.7	5 500			
40.0				22.9	56.5	7 400	30.2	60.4	6 800	39.6	64.5	5 900	47.2	67.0	5 000			
42.0				12.5	50.3	6 800	23.2	56.4	6 300	34.4	61.9	5 500	42.8	65.0	4 600	49.8	66.7	3 800
44.0							13.1	50.3	5 800	28.4	58.6	5 100	38.0	62.6	4 300	45.6	64.9	3 500
46.0										20.8	54.2	4 700	32.5	59.8	3 900	41.0	62.8	3 200
48.0													26.1	56.2	3 600	36.0	60.3	2 900
50.0													17.7	51.3	3 400	30.3	57.2	2 700
52.0																23.3	53.2	2 500
54.0																13.3	47.2	2 200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

39.6m (130 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg
13.7	74.0	80.7	21 200 *															
14.0	73.6	80.6	21 100 *															
16.0	70.5	80.0	20 700 *															
18.0	67.4	79.2	20 200 *															
20.0	64.3	78.3	19 200 *	69.8	79.5	18 800												
22.0	61.0	77.3	18 200	66.6	78.7	16 600												
24.0	57.6	76.1	16 500	63.5	77.8	14 800												
26.0	54.1	74.7	14 800	60.2	76.7	13 300	63.6	77.5	12 400									
28.0	50.5	73.2	13 400	56.8	75.5	12 000	60.3	76.4	11 200									
30.0	46.6	71.4	12 200	53.3	74.1	11 000	56.9	75.2	10 200									
32.0	42.5	69.4	11 200	49.6	72.5	10 000	53.4	73.8	9 300	59.4	75.3	8 100						
34.0	38.0	67.0	10 300	45.6	70.7	9 200	49.7	72.2	8 500	55.9	74.0	7 500						
36.0	33.0	64.2	9 500	41.4	68.6	8 500	45.8	70.4	7 800	52.4	72.6	6 800						
38.0	27.3	60.8	8 800	36.9	66.1	7 800	41.6	68.3	7 300	48.6	71.0	6 300	54.8	72.5	5 300			
40.0	20.1	56.2	8 200	31.7	63.2	7 300	37.1	65.9	6 700	44.7	69.1	5 800	51.2	71.0	4 900			
42.0				25.7	59.5	6 800	32.0	63.0	6 200	40.4	66.9	5 300	47.4	69.3	4 500			
44.0				17.9	54.5	6 300	26.0	59.4	5 800	35.7	64.3	5 000	43.3	67.3	4 200	49.8	69.0	3 400
46.0							18.3	54.5	5 400	30.4	61.2	4 600	38.9	65.0	3 900	45.9	67.2	3 100
48.0										24.0	57.4	4 300	34.0	62.3	3 600	41.7	65.1	2 800
50.0										15.5	51.8	4 000	28.5	59.0	3 300	37.1	62.7	2 600
52.0													21.6	54.7	3 000	32.0	59.8	2 400
54.0																26.1	56.2	2 200
56.0																18.4	51.3	2 000



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Crane Counterweight

360 Degree Rating

777 SERIES 1

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

39.6m (130 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg
13.7	75.2	83.9	19 800 *															
14.0	74.8	83.8	19 700 *															
16.0	72.0	83.2	19 300 *															
18.0	69.1	82.5	18 600 *															
20.0	66.2	81.7	17 600 *															
22.0	63.2	80.7	16 800 *	68.4	82.0	16 500												
24.0	60.2	79.7	15 900 *	65.5	81.2	14 600												
26.0	57.0	78.4	14 700	62.5	80.2	13 100	65.6	80.9	12 200									
28.0	53.8	77.1	13 300	59.4	79.1	11 900	62.6	79.9	11 100									
30.0	50.4	75.5	12 100	56.3	77.8	10 800	59.6	78.8	10 000									
32.0	46.8	73.7	11 100	53.0	76.4	9 900	56.4	77.5	9 200	61.8	78.8	8 000						
34.0	43.0	71.7	10 200	49.5	74.8	9 100	53.1	76.1	8 400	58.7	77.7	7 300						
36.0	38.9	69.4	9 400	45.9	73.0	8 300	49.7	74.5	7 700	55.5	76.4	6 600						
38.0	34.4	66.7	8 700	42.0	70.9	7 700	46.0	72.7	7 100	52.1	74.9	6 100						
40.0	29.3	63.5	8 100	37.8	68.5	7 200	42.2	70.7	6 600	48.7	73.3	5 600	54.4	74.8	4 700			
42.0	23.2	59.5	7 500	33.2	65.7	6 600	38.0	68.3	6 100	45.0	71.4	5 200	51.0	73.3	4 300			
44.0	15.0	53.7	7 000	27.9	62.3	6 200	33.4	65.5	5 700	41.0	69.2	4 800	47.5	71.6	4 000			
46.0				21.5	58.0	5 700	28.2	62.1	5 200	36.8	66.8	4 400	43.7	69.6	3 700	49.7	71.3	2 900
48.0				12.2	51.4	5 300	21.8	57.9	4 900	32.0	63.8	4 100	39.7	67.4	3 400	46.1	69.5	2 700
50.0							12.8	51.4	4 500	26.5	60.3	3 800	35.3	64.8	3 100	42.2	67.4	2 400
52.0										19.7	55.6	3 600	30.3	61.7	2 900	38.1	65.1	2 200
54.0													24.5	57.8	2 600	33.5	62.3	2 000
56.0													16.9	52.5	2 400	28.2	58.9	1 800



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

39.6m (130 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg
15.2	74.2	86.6	18 100 *															15.2
16.0	73.2	86.4	17 900 *															16.0
18.0	70.6	85.7	17 200 *															18.0
20.0	67.9	85.0	16 300 *															20.0
22.0	65.1	84.1	15 400 *	69.9	85.3	16 400												22.0
24.0	62.4	83.1	14 600 *	67.2	84.5	14 600	67.3	84.2	12 200									24.0
26.0	59.5	82.0	13 800 *	64.5	83.6	13 100	64.6	83.3	11 000									26.0
28.0	56.5	80.8	13 000 *	61.7	82.6	11 800	61.8	82.3	10 000									28.0
30.0	53.5	79.4	12 100	58.8	81.4	10 800	58.9	81.2	9 100									30.0
32.0	50.3	77.8	11 000	55.8	80.1	9 800	55.9	79.9	8 300									32.0
34.0	46.9	76.0	10 100	52.7	78.7	9 000	52.8	78.4	7 700									34.0
36.0	43.4	74.1	9 400	49.5	77.1	8 300	49.6	76.8	7 100									36.0
38.0	39.6	71.8	8 600	46.1	75.3	7 600	46.2	75.0	6 500									38.0
40.0	35.5	69.2	8 000	42.5	73.2	7 100	42.7	73.0	6 100									40.0
42.0	30.9	66.1	7 500	38.7	70.9	6 600	38.8	70.7	5 600									42.0
44.0	25.7	62.4	7 000	34.4	68.2	6 100	34.6	68.0	5 200									44.0
46.0	19.1	57.6	6 500	29.7	65.0	5 700	29.9	64.8	4 800									46.0
48.0				24.2	61.1	5 300	24.5	60.9	4 500									48.0
50.0				17.1	55.8	4 900	17.4	55.7	4 200									50.0
52.0																		52.0
54.0																		54.0
56.0																		56.0
58.0																		58.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Crane Counterweight

360 Degree Rating

777 SERIES 1

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

39.6m (130 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
15.2	75.2	89.8	16 700 *													15.2
16.0	74.3	89.6	16 500 *													16.0
18.0	71.8	89.0	15 700 *													18.0
20.0	69.3	88.3	14 900 *													20.0
22.0	66.8	87.5	14 100 *													22.0
24.0	64.2	86.5	13 200 *	68.7	87.8	14 400										24.0
26.0	61.6	85.5	12 500 *	66.2	86.9	12 900										26.0
28.0	58.9	84.4	11 700 *	63.6	86.0	11 700	66.3	86.7	10 800							28.0
30.0	56.1	83.1	11 000 *	60.9	85.0	10 600	63.7	85.7	9 800							30.0
32.0	53.2	81.7	10 300 *	58.2	83.8	9 700	61.0	84.7	8 900							32.0
34.0	50.2	80.1	9 600 *	55.4	82.5	8 900	58.3	83.5	8 200							34.0
36.0	47.1	78.3	9 000 *	52.5	81.0	8 200	55.5	82.2	7 500	60.3	83.6	6 500				36.0
38.0	43.8	76.4	8 400 *	49.4	79.4	7 500	52.6	80.7	6 900	57.5	82.4	5 900				38.0
40.0	40.3	74.2	7 900 *	46.3	77.6	7 000	49.6	79.1	6 400	54.7	81.0	5 400				40.0
42.0	36.5	71.6	7 400 *	42.9	75.5	6 500	46.4	77.3	5 900	51.8	79.5	5 000	56.6	80.9	4 100	42.0
44.0	32.3	68.7	6 900	39.4	73.3	6 000	43.1	75.3	5 500	48.7	77.9	4 600	53.8	79.5	3 700	44.0
46.0	27.6	65.2	6 400	35.5	70.6	5 600	39.5	73.0	5 100	45.5	76.0	4 300	50.8	77.9	3 400	46.0
48.0	22.0	60.9	6 000	31.2	67.6	5 200	35.7	70.4	4 700	42.1	73.9	3 900	47.7	76.2	3 200	48.0
50.0	14.5	54.8	5 500	26.3	64.0	4 800	31.4	67.4	4 400	38.5	71.5	3 600	44.4	74.3	2 900	50.0
52.0				20.4	59.3	4 500	26.6	63.8	4 100	34.5	68.8	3 400	40.9	72.1	2 600	52.0
54.0				12.0	52.5	4 200	20.7	59.2	3 800	30.1	65.7	3 100	37.2	69.6	2 400	54.0
56.0							12.5	52.5	3 500	25.0	61.9	2 900	33.1	66.8	2 200	56.0
58.0										18.7	56.9	2 600	28.6	63.4	2 000	58.0
60.0													23.2	59.3	1 900	60.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

39.6m (130 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg
16.8	74.4	92.5	14 600 *												
18.0	72.9	92.2	14 400 *												
20.0	70.6	91.5	13 700 *												
22.0	68.2	90.8	12 900 *												
24.0	65.8	89.9	12 100 *												
26.0	63.4	89.0	11 400 *	67.6	90.3	12 700									
28.0	60.9	87.9	10 700 *	65.2	89.4	11 600									
30.0	58.3	86.7	10 000 *	62.8	88.4	10 500	65.3	89.1	9 700						
32.0	55.7	85.4	9 300 *	60.3	87.3	9 600	62.9	88.1	8 800						
34.0	53.0	84.0	8 600 *	57.7	86.1	8 800	60.4	87.0	8 100						
36.0	50.1	82.4	8 100 *	55.0	84.8	8 000	57.8	85.8	7 400						
38.0	47.2	80.6	7 500 *	52.3	83.3	7 400	55.1	84.5	6 800	59.6	85.9	5 800			
40.0	44.1	78.7	7 000 *	49.4	81.7	6 800	52.4	83.1	6 300	57.0	84.7	5 300			
42.0	40.8	76.5	6 500 *	46.4	79.9	6 300	49.5	81.4	5 800	54.4	83.3	4 900			
44.0	37.3	74.0	6 000 *	43.3	77.9	5 900	46.6	79.6	5 300	51.6	81.8	4 500	56.2	83.2	3 700
46.0	33.5	71.2	5 600 *	40.0	75.6	5 500	43.4	77.6	5 000	48.7	80.2	4 100	53.5	81.8	3 300
48.0	29.2	67.9	5 100 *	36.4	73.1	5 100	40.1	75.4	4 600	45.7	78.3	3 800	50.7	80.2	3 000
50.0	24.3	64.0	4 600 *	32.5	70.2	4 700	36.6	72.9	4 300	42.5	76.2	3 500	47.8	78.5	2 800
52.0	18.2	58.8	4 100 *	28.1	66.7	4 400	32.7	70.0	4 000	39.1	73.9	3 200	44.7	76.6	2 500
54.0				23.0	62.6	4 100	28.3	66.6	3 700	35.5	71.3	3 000	41.5	74.4	2 300
56.0				16.4	57.0	3 800	23.2	62.4	3 400	31.5	68.3	2 800	38.0	72.0	2 100
58.0							16.7	56.9	3 200	27.0	64.7	2 500	34.2	69.3	1 900
60.0										21.6	60.3	2 300			60.0
62.0										14.4	54.1	2 100			62.0

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Crane Counterweight

360 Degree Rating

777 SERIES 1

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

42.7m (140 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
10.7	68.6	65.6	41 000 *b																			10.7
12.0	64.7	65.0	38 700 *b																			12.0
14.0	58.6	63.9	34 000 b																			14.0
16.0	52.1	62.5	28 500	64.1	64.5	25 900 b																16.0
18.0	44.9	60.7	24 500	57.9	63.4	22 200																18.0
20.0	36.7	58.4	21 400	51.3	62.0	19 400	58.7	63.2	18 100 b													20.0
22.0	26.4	55.2	19 000	44.1	60.2	17 100	52.2	61.9	16 000													22.0
24.0				35.7	57.8	15 300	45.0	60.1	14 300	57.7	62.2	12 700										24.0
26.0				25.0	54.4	13 800	36.8	57.8	12 900	51.1	60.8	11 500										26.0
28.0							26.5	54.5	11 700	43.8	58.9	10 400										28.0
30.0										35.4	56.5	9 500	49.7	59.3	8 200							30.0
32.0										24.6	53.0	8 600	42.2	57.3	7 500							32.0
34.0													33.5	54.8	6 900	47.9	57.3	5 900				34.0
36.0													21.9	51.0	6 300	40.2	55.3	5 300				36.0
38.0																30.9	52.5	4 900				38.0
40.0																			37.4	52.7	3 700	40.0
42.0																			27.3	49.5	3 400	42.0
44.0																			10.8	43.7	3 100	44.0



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

42.7m (140 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m		
10.7	71.4	68.8	37 800 *b																		10.7	
12.0	68.1	68.3	36 700 *b																		12.0	
14.0	62.9	67.4	33 800																		14.0	
16.0	57.5	66.2	28 400	67.5	67.9	25 700 b															16.0	
18.0	51.7	64.8	24 400	62.3	66.9	22 000															18.0	
20.0	45.4	63.1	21 300	56.8	65.8	19 200	63.0	66.7	18 000												20.0	
22.0	38.4	60.8	18 900	51.0	64.3	17 000	57.5	65.6	15 900												22.0	
24.0	30.0	57.9	16 900	44.7	62.5	15 200	51.8	64.2	14 200												24.0	
26.0				37.5	60.2	13 700	45.5	62.4	12 800	56.7	64.5	11 300									26.0	
28.0				29.0	57.2	12 400	38.5	60.2	11 600	50.8	63.1	10 200									28.0	
30.0				16.9	52.4	11 300	30.1	57.2	10 600	44.5	61.2	9 300									30.0	
32.0							18.8	52.8	9 700	37.3	58.9	8 500	49.6	61.6	7 300						32.0	
34.0										28.7	55.9	7 800	43.1	59.7	6 700						34.0	
36.0										16.4	51.0	7 100	35.7	57.2	6 100	48.0	59.7	5 200			36.0	
38.0													26.6	53.9	5 600	41.3	57.6	4 700			38.0	
40.0																33.6	55.0	4 300	45.9	57.3	40.0	
42.0																23.8	51.4	4 000	39.0	55.1	42.0	
44.0																			30.7	52.2	44.0	
46.0																			19.7	48.0	46.0	

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Crane Counterweight

360 Degree Rating

777 SERIES 1

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

42.7m (140 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m		
10.7	73.5	72.0	34 500 *b																		10.7	
12.0	70.6	71.6	34 000 *b																		12.0	
14.0	66.1	70.8	32 500																		14.0	
16.0	61.5	69.8	28 500																		16.0	
18.0	56.6	68.6	24 300	65.6	70.3	21 900															18.0	
20.0	51.4	67.1	21 200	60.9	69.3	19 100	66.2	70.1	17 900												20.0	
22.0	45.9	65.4	18 800	56.0	68.1	16 900	61.5	69.1	15 800												22.0	
24.0	39.7	63.2	16 800	50.8	66.6	15 100	56.6	67.9	14 100												24.0	
26.0	32.6	60.5	15 200	45.2	64.8	13 600	51.5	66.5	12 700	60.8	68.1	11 100									26.0	
28.0	23.8	56.7	13 800	38.9	62.6	12 400	45.9	64.7	11 500	55.9	66.9	10 100									28.0	
30.0				31.7	59.8	11 200	39.8	62.5	10 500	50.6	65.4	9 200									30.0	
32.0				22.6	55.9	10 300	32.7	59.8	9 600	45.0	63.6	8 400	54.8	65.4	7 200						32.0	
34.0							23.9	56.1	8 800	38.7	61.3	7 700	49.6	63.9	6 600						34.0	
36.0										31.5	58.5	7 100	43.8	62.0	6 000						36.0	
38.0										22.2	54.5	6 500	37.4	59.7	5 600	48.1	62.0	4 600			38.0	
40.0													29.8	56.6	5 100	42.2	60.0	4 200			40.0	
42.0													19.9	52.3	4 700	35.6	57.5	3 900			42.0	
44.0																27.6	54.2	3 600			44.0	
46.0																			40.2	57.4	2 800	
48.0																			33.2	54.8	2 500	
50.0																			24.5	51.1	2 300	
																			10.7	44.8	2 100	



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

42.7m (140 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Jib Oper. Rad. m	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. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m		
10.7	75.2	75.2	31 700 *b																		10.7	
12.0	72.6	74.8	31 200 *b																		12.0	
14.0	68.6	74.1	30 000 *																		14.0	
16.0	64.5	73.2	28 200																		16.0	
18.0	60.3	72.2	24 200	68.2	73.7	21 800															18.0	
20.0	55.9	70.9	21 100	64.1	72.8	18 900															20.0	
22.0	51.2	69.4	18 700	59.8	71.7	16 700	64.6	72.5	15 600												22.0	
24.0	46.2	67.7	16 700	55.3	70.4	14 900	60.3	71.5	13 900												24.0	
26.0	40.7	65.6	15 000	50.6	68.9	13 400	55.9	70.2	12 500												26.0	
28.0	34.5	63.0	13 600	45.6	67.1	12 200	51.2	68.8	11 300	59.7	70.5	9 900									28.0	
30.0	27.2	59.6	12 500	40.0	65.0	11 100	46.2	67.0	10 300	55.2	69.2	9 000									30.0	
32.0	17.3	54.7	11 400	33.8	62.3	10 200	40.8	64.9	9 400	50.5	67.7	8 200									32.0	
34.0				26.3	58.8	9 300	34.6	62.3	8 700	45.4	65.9	7 500	54.3	67.7	6 400						34.0	
36.0				15.8	53.6	8 600	27.3	59.0	8 000	39.9	63.7	6 900	49.5	66.2	5 800						36.0	
38.0							17.4	54.1	7 400	33.6	61.0	6 400	44.4	64.3	5 400						38.0	
40.0										26.0	57.5	5 900	38.7	62.0	5 000	48.2	64.3	4 000			40.0	
42.0										15.3	52.2	5 400	32.2	59.2	4 600	43.0	62.3	3 700			42.0	
44.0													24.2	55.5	4 200	37.1	59.9	3 400			44.0	
46.0																30.3	56.9	3 100	2 300		46.0	
48.0																21.8	52.8	2 800	2 100		48.0	
50.0																27.8	54.0	1 900	1 900		50.0	

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Crane Counterweight

360 Degree Rating

777 SERIES 1

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

42.7m (140 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg
12.2	73.9	77.9	28 600 *b															
14.0	70.7	77.3	27 700 *															
16.0	67.0	76.5	26 600 *															
18.0	63.2	75.6	24 300															
20.0	59.3	74.5	21 100	66.6	76.1	18 900												
22.0	55.3	73.2	18 700	62.8	75.2	16 700												
24.0	51.0	71.7	16 700	58.9	74.1	14 900	63.3	74.9	13 900									
26.0	46.4	70.0	15 000	54.8	72.7	13 400	59.4	73.9	12 500									
28.0	41.5	67.9	13 600	50.5	71.2	12 200	55.3	72.6	11 300									
30.0	36.1	65.4	12 500	45.9	69.4	11 100	51.0	71.1	10 300	58.7	72.8	8 900						
32.0	29.8	62.3	11 400	40.9	67.3	10 200	46.5	69.3	9 400	54.7	71.5	8 200						
34.0	21.9	58.2	10 500	35.4	64.8	9 300	41.6	67.2	8 700	50.3	70.0	7 500						
36.0				29.0	61.6	8 600	36.1	64.8	8 000	45.7	68.2	6 900	53.8	70.1	5 800			
38.0				20.8	57.3	8 000	29.8	61.7	7 400	40.8	66.0	6 300	49.5	68.5	5 300			
40.0							22.0	57.6	6 800	35.2	63.5	5 900	44.8	66.6	4 900			
42.0										28.7	60.3	5 400	39.7	64.4	4 500	48.3	66.6	3 700
44.0										20.5	55.9	5 000	34.0	61.7	4 200	43.5	64.6	3 300
46.0													27.3	58.4	3 900	38.3	62.3	3 100
48.0													18.5	53.6	3 600	32.4	59.5	2 800
50.0																25.3	55.9	2 600



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

42.7m (140 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg
12.2	75.3	81.1	22 600 *b															
14.0	72.3	80.5	22 200 *															
16.0	69.0	79.8	21 700 *															
18.0	65.6	79.0	21 200 *															
20.0	62.1	78.0	20 600	68.6	79.4	18 800												
22.0	58.5	76.9	18 600	65.2	78.6	16 500												
24.0	54.8	75.6	16 600	61.7	77.6	14 800	65.6	78.3	13 700									
26.0	50.8	74.0	14 900	58.1	76.4	13 300	62.1	77.3	12 300									
28.0	46.7	72.3	13 500	54.3	75.1	12 000	58.5	76.2	11 200									
30.0	42.2	70.2	12 300	50.4	73.5	11 000	54.8	74.9	10 100									
32.0	37.3	67.8	11 300	46.2	71.7	10 000	50.9	73.4	9 300	58.0	75.2	8 000						
34.0	31.7	64.9	10 400	41.6	69.7	9 200	46.7	71.6	8 500	54.2	73.8	7 300						
36.0	25.2	61.2	9 600	36.7	67.2	8 500	42.2	69.6	7 800	50.2	72.3	6 700						
38.0	16.3	55.9	8 900	31.1	64.2	7 900	37.3	67.2	7 200	46.0	70.5	6 200	53.4	72.4	5 100			
40.0				24.3	60.4	7 300	31.8	64.3	6 700	41.5	68.4	5 700	49.4	70.8	4 700			
42.0				15.0	54.8	6 800	25.2	60.6	6 200	36.5	65.9	5 300	45.2	68.9	4 300			
44.0							16.4	55.3	5 800	30.9	62.9	4 900	40.5	66.8	4 000	48.4	68.9	3 200
46.0										24.1	59.1	4 500	35.5	64.2	3 700	44.0	66.9	2 900
48.0										14.6	53.4	4 200	29.6	61.1	3 400	39.3	64.7	2 600
50.0													22.5	57.0	3 100	34.0	62.0	2 400
52.0																28.0	58.7	2 200
54.0																20.3	54.2	2 000

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Crane Counterweight

360 Degree Rating

777 SERIES 1

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

42.7m (140 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg
13.7	74.1	83.8	20 900 *															
14.0	73.7	83.7	20 800 *															
16.0	70.7	83.1	20 300 *															
18.0	67.6	82.3	19 900 *															
20.0	64.4	81.4	19 200 *	70.3	82.7	18 700												
22.0	61.2	80.4	18 100	67.2	81.9	16 500												
24.0	57.8	79.2	16 500	64.1	81.0	14 600												
26.0	54.3	77.9	14 800	60.8	79.9	13 200	64.5	80.8	12 200									
28.0	50.7	76.3	13 400	57.4	78.7	11 900	61.2	79.7	11 000									
30.0	46.8	74.6	12 300	53.9	77.4	10 800	57.8	78.6	10 000									
32.0	42.7	72.6	11 200	50.3	75.8	9 900	54.4	77.2	9 200	60.7	78.7	7 800						
34.0	38.3	70.2	10 300	46.4	74.0	9 100	50.7	75.7	8 400	57.3	77.5	7 200						
36.0	33.3	67.5	9 500	42.2	72.0	8 400	46.9	73.9	7 700	53.8	76.1	6 600						
38.0	27.6	64.1	8 800	37.7	69.6	7 800	42.8	71.9	7 100	50.1	74.6	6 100						
40.0	20.5	59.6	8 200	32.7	66.8	7 200	38.3	69.6	6 600	46.3	72.8	5 600	53.1	74.7	4 600			
42.0				26.9	63.3	6 700	33.4	66.8	6 100	42.1	70.7	5 200	49.4	73.1	4 200			
44.0				19.6	58.6	6 200	27.7	63.4	5 700	37.6	68.3	4 800	45.5	71.2	3 900			
46.0							20.6	59.0	5 200	32.6	65.5	4 400	41.2	69.1	3 600	48.4	71.2	2 800
48.0										26.7	62.0	4 100	36.6	66.6	3 300	44.4	69.2	2 500
50.0										19.3	57.3	3 800	31.5	63.7	3 000	40.1	67.0	2 300
52.0													25.4	60.0	2 800	35.4	64.5	2 100
54.0													17.5	54.9	2 500	30.0	61.3	1 900



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
47 630 kg Counterweight
360 Degree Rating

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

777 SERIES 1

42.7m (140 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Jib Oper. Rad. m	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 Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg
13.7	75.3	87.0	19 500 *															
14.0	74.9	86.9	19 400 *															
16.0	72.1	86.3	19 000 *															
18.0	69.3	85.6	18 500 *															
20.0	66.4	84.8	17 600 *															
22.0	63.4	83.8	16 700 *	68.9	85.2	16 300												
24.0	60.4	82.8	15 800 *	66.0	84.3	14 500												
26.0	57.2	81.6	14 700	63.1	83.4	13 000	66.4	84.1	12 000									
28.0	54.0	80.2	13 300	60.0	82.3	11 800	63.4	83.2	10 800									
30.0	50.6	78.6	12 100	56.9	81.1	10 700	60.4	82.1	9 800									
32.0	47.0	76.9	11 100	53.6	79.7	9 800	57.2	80.9	9 000	63.0	82.2	7 700						
34.0	43.2	74.9	10 200	50.2	78.1	9 000	54.0	79.5	8 200	59.9	81.1	7 000						
36.0	39.1	72.6	9 400	46.6	76.3	8 200	50.6	78.0	7 600	56.7	79.8	6 400						
38.0	34.6	69.9	8 700	42.8	74.3	7 600	47.0	76.2	7 000	53.5	78.4	5 900						
40.0	29.6	66.8	8 100	38.6	72.0	7 100	43.2	74.2	6 400	50.1	76.9	5 400	56.1	78.4	4 400			
42.0	23.6	62.8	7 500	34.1	69.3	6 500	39.2	72.0	6 000	46.5	75.1	5 000	52.8	77.0	4 100			
44.0	15.6	57.1	7 000	29.0	66.0	6 100	34.7	69.3	5 500	42.6	73.1	4 600	49.4	75.4	3 700			
46.0				22.8	61.9	5 700	29.6	66.1	5 200	38.5	70.7	4 300	45.7	73.5	3 400	51.9	75.1	2 500
48.0				14.4	56.0	5 300	23.6	62.1	4 800	33.9	68.0	3 900	41.8	71.5	3 100	48.4	73.5	2 300
50.0							15.7	56.5	4 400	28.8	64.7	3 700	37.6	69.0	2 900	44.7	71.6	2 100
52.0										22.6	60.6	3 400	33.0	66.2	2 600	40.8	69.4	1 900
54.0										14.0	54.5	3 100	27.7	62.8	2 400			
56.0													21.2	58.4	2 200			



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78

47 630 kg Crane Counterweight

360 Degree Rating

777 SERIES 1

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

42.7m (140 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity kg	
15.2	74.3	89.7	17 900 *													15.2
16.0	73.3	89.5	17 700 *													16.0
18.0	70.7	88.8	17 100 *													18.0
20.0	68.0	88.1	16 200 *													20.0
22.0	65.3	87.2	15 400 *													22.0
24.0	62.5	86.2	14 600 *	67.7	87.7	14 500										24.0
26.0	59.6	85.1	13 800 *	65.0	86.8	13 000										26.0
28.0	56.7	83.9	13 000 *	62.2	85.8	11 700	65.3	86.5	10 800							28.0
30.0	53.6	82.5	12 100	59.3	84.7	10 700	62.5	85.6	9 800							30.0
32.0	50.5	80.9	11 100	56.4	83.4	9 700	59.7	84.5	8 900							32.0
34.0	47.1	79.2	10 200	53.3	82.0	8 900	56.7	83.2	8 200	62.1	84.6	7 000				34.0
36.0	43.6	77.2	9 400	50.1	80.4	8 200	53.7	81.8	7 500	59.2	83.4	6 400				36.0
38.0	39.8	75.0	8 700	46.7	78.7	7 600	50.5	80.3	6 900	56.3	82.2	5 800				38.0
40.0	35.7	72.4	8 100	43.2	76.6	7 000	47.2	78.5	6 400	53.2	80.8	5 400				40.0
42.0	31.2	69.4	7 500	39.4	74.4	6 500	43.6	76.6	5 900	50.0	79.2	4 900	55.7	80.7	4 000	42.0
44.0	26.0	65.7	7 000	35.3	71.7	6 100	39.9	74.3	5 500	46.6	77.4	4 600	52.6	79.3	3 700	44.0
46.0	19.5	60.9	6 500	30.6	68.7	5 600	35.8	71.7	5 100	43.1	75.4	4 200	49.3	77.7	3 400	46.0
48.0				25.3	64.9	5 300	31.2	68.7	4 700	39.3	73.1	3 900	45.9	75.8	3 100	48.0
50.0				18.6	59.9	4 900	26.0	65.1	4 400	35.1	70.5	3 600	42.3	73.8	2 800	50.0
52.0							19.5	60.3	4 100	30.5	67.4	3 300	38.5	71.4	2 600	52.0
54.0										25.1	63.6	3 100	34.2	68.7	2 400	54.0
56.0										18.3	58.5	2 900	29.5	65.5	2 200	56.0
58.0													23.9	61.5	2 000	58.0