

# Manitowoc Cranes, Inc.

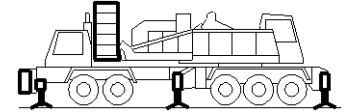
Manitowoc, Wisconsin 54220 U.S.A.



## Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
Boom No. 78T With Heavy Lift Top  
43 270 kg Crane Counterweight  
11 340 kg Front Bumper Counterweight  
360 Degree Rating on Fully Extended Outriggers

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



**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 85% 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.

Lower boom point assembly, auxiliary drum, wire rope guides in 5 334 mm insert and one sheave in jib strut must be removed on 51.8m and 54.9m boom lengths.

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, and outriggers fully extended (6 909 mm) and set. Refer to operators manual for outrigger positioning. During operation, boom must be maintained at one of the selected angles shown in chart. Radii less than 10.7m not recommended when lifting over front of truck.

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

Refer to luffing jib assembly **No. 194151**, Wire Rope Specification chart **No. 8105-A** and Luffing Jib Raising Procedure chart **No. 8107-A**. Crane operator judgment must be used

to allow for dynamic load effects of swinging, hoisting or lowering, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

**MACHINE TRAVEL:** Machine to travel with outrigger jacks retracted 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. 8103-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.

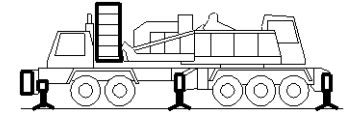
**MACHINE EQUIPMENT:** Machine equipped with Manitowoc 10 x 6 carrier, 7 036 mm wheel base, 2 972 mm front axle track, 2 540 mm rear axle track, 385/95 R 24 tires, 2 438 mm front outriggers, 1 778 mm rear outriggers, two 305 mm boom hoist cylinders, 7.9m mast, two boom support straps, 7 part luffing jib hoist reeving, two 38 mm luffing jib pendants, two 35 mm luffing jib backstays, 43 270 kg crane counterweight and 11 340 kg front bumper counterweight.

Consult chart **No. 8101-AM** for lifting off lower boom point with luffing jib attached.

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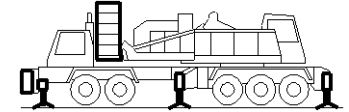
## 18.3m (60 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
9.1	70.6	41.9	47 600 *b																			9.1
10.0	68.1	41.6	46 400 *b																			10.0
12.0	62.2	40.6	43 200 *b	67.1	41.3	46 100 *b																12.0
14.0	55.9	39.4	37 100 *	61.1	40.3	42 800 *	64.1	40.6	44 600 *b													14.0
16.0	49.1	37.9	31 000 *	54.8	39.0	36 100 *	57.9	39.5	40 200 *													16.0
18.0	41.6	35.9	26 500 *	47.9	37.4	30 200 *	51.4	38.1	32 900 *	56.7	38.9	35 400 *										18.0
20.0	32.7	33.3	23 000 *	40.2	35.4	25 900 *	44.1	36.3	28 000 *	50.0	37.4	31 500 *	55.3	38.1	30 600							20.0
22.0	20.7	29.3	19 500 *	30.9	32.6	22 500 *	35.7	33.9	24 200 *	42.6	35.5	27 400 *	48.5	36.5	27 000							22.0
24.0				17.9	28.2	19 400 *	25.1	30.5	21 100 *	33.9	33.0	23 600 *	40.9	34.5	24 100	46.8	35.4	23 400				24.0
26.0										22.5	29.2	20 700 *	31.8	31.8	21 800	38.9	33.3	21 000	44.8	34.1	20 400	26.0
28.0													19.3	27.6	19 700	29.3	30.3	19 100	36.5	31.8	18 500	28.0
30.0																15.0	25.4	17 500	26.2	28.5	16 900	30.0
32.0																			7.5	21.9	15 500	32.0

# Liftcrane Luffing Jib Capacities

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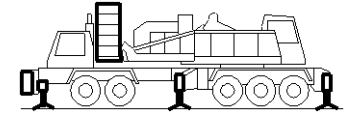
## 18.3m (60 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
9.1	73.1	45.1	43 900 *b																			9.1
10.0	71.0	44.8	42 800 *b																			10.0
12.0	65.9	44.0	40 300 *																			12.0
14.0	60.6	43.0	37 400 *	65.0	43.7	40 100 *																14.0
16.0	55.1	41.8	31 000 *	59.7	42.7	36 500 *	62.3	43.0	38 300 *													16.0
18.0	49.1	40.2	26 600 *	54.1	41.3	30 200 *	56.9	41.9	33 100 *													18.0
20.0	42.6	38.3	23 100 *	48.0	39.7	26 000 *	51.1	40.4	28 000 *	55.8	41.2	31 300 *										20.0
22.0	35.1	35.8	20 300 *	41.3	37.7	22 600 *	44.7	38.6	24 200 *	49.9	39.7	27 400 *	54.6	40.4	26 900							22.0
24.0	25.8	32.4	18 000 *	33.6	35.1	19 900 *	37.6	36.3	21 300 *	43.4	37.8	23 700 *	48.6	38.8	24 000							24.0
26.0				23.8	31.5	17 700 *	29.0	33.3	18 800 *	36.1	35.4	20 800 *	42.0	36.8	21 600	47.1	37.7	20 900				26.0
28.0							17.0	28.6	16 400 *	27.1	32.2	18 400 *	34.3	34.3	19 600	40.2	35.6	18 900	45.3	36.4	18 300	28.0
30.0										13.5	26.8	16 200 *	24.8	30.8	17 900	32.3	32.9	17 300	38.2	34.2	16 700	30.0
32.0													8.2	24.0	16 000 *	22.0	29.0	15 900	29.8	31.2	15 400	32.0
34.0																			18.3	26.7	14 100	34.0

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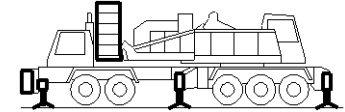
## 18.3m (60 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms		
9.1	75.0	48.3	39 500 *b																			9.1	
10.0	73.1	48.0	38 300 *b																			10.0	
12.0	68.7	47.3	35 700 *																			12.0	
14.0	64.2	46.5	33 500 *	67.9	47.0	35 500 *																14.0	
16.0	59.4	45.4	31 000 *	63.3	46.1	33 300 *	65.6	46.4	34 300 *													16.0	
18.0	54.4	44.1	26 900 *	58.6	45.0	30 400 *	60.9	45.4	32 300 *													18.0	
20.0	49.1	42.5	23 300 *	53.5	43.7	26 200 *	56.0	44.2	28 300 *	60.0	44.8	31 200										20.0	
22.0	43.3	40.6	20 400 *	48.1	42.0	22 800 *	50.8	42.7	24 400 *	55.1	43.5	27 500										22.0	
24.0	36.8	38.2	18 200 *	42.2	40.0	20 100 *	45.2	40.9	21 400 *	49.8	42.0	23 900 *	54.0	42.7	23 900							24.0	
26.0	29.1	35.1	16 200 *	35.6	37.6	17 900 *	39.0	38.7	19 000 *	44.1	40.1	21 000 *	48.6	41.1	21 500	52.7	41.7	20 800				26.0	
28.0	18.9	30.6	14 200 *	27.6	34.3	16 000 *	31.8	35.9	16 900 *	37.7	37.8	18 600 *	42.8	39.2	19 500	47.3	40.0	18 900				28.0	
30.0				16.5	29.4	14 100 *	22.6	32.0	15 200 *	30.2	34.9	16 600 *	36.2	36.7	17 800	41.3	38.0	17 200				30.0	
32.0							5.1	23.9	12 600 *	20.4	30.6	14 900 *	28.4	33.6	16 300	34.5	35.4	15 800	39.6	36.5	15 300	32.0	
34.0													28.4	33.6	16 300	34.5	35.4	15 800	32.4	33.8	14 100	34.0	
36.0													17.7	28.9	14 600 *	14.1	26.5	13 500	26.2	32.0	14 600	36.0	
38.0																			14.1	26.5	13 500	38.0	
																				8.2	23.0	12 100	

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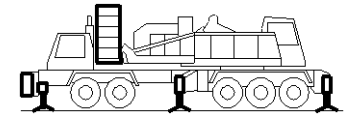
## 18.3m (60 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	73.6	51.0	34 900 *b																			10.7
12.0	70.9	50.6	33 400 *																			12.0
14.0	66.9	49.8	31 200 *	70.2	50.3	33 100 *																14.0
16.0	62.7	48.9	29 300 *	66.2	49.5	31 000 *																16.0
18.0	58.4	47.7	26 700 *	62.0	48.5	29 100 *	64.1	48.9	30 000 *													18.0
20.0	53.9	46.4	23 200 *	57.7	47.4	26 200 *	59.8	47.8	28 100 *													20.0
22.0	49.1	44.8	20 400 *	53.1	46.0	22 800 *	55.4	46.5	24 400 *	59.0	47.2	27 300 *										22.0
24.0	43.9	42.9	18 200 *	48.2	44.3	20 100 *	50.7	45.0	21 400 *	54.5	45.9	23 900 *										24.0
26.0	38.2	40.6	16 200 *	43.0	42.4	17 900 *	45.6	43.2	18 900 *	49.7	44.3	20 900 *	53.5	45.0	21 300							26.0
28.0	31.6	37.7	14 600 *	37.1	40.0	16 000 *	40.1	41.1	16 900 *	44.6	42.5	18 600 *	48.7	43.4	19 300							28.0
30.0	23.5	33.9	13 200 *	30.3	37.0	14 400 *	33.8	38.4	15 200 *	38.9	40.2	16 600 *	43.4	41.5	17 700	47.5	42.3	17 100				30.0
32.0	10.6	27.4	10 900 *	21.8	32.9	13 000 *	26.3	35.0	13 700 *	32.5	37.4	15 000 *	37.6	39.2	16 200	42.1	40.3	15 600	46.0	41.0	15 100	32.0
34.0							15.8	29.8	12 200 *	24.6	33.8	13 500 *	31.0	36.2	14 700 *	36.2	37.9	14 400	40.6	38.9	13 900	34.0
36.0										12.9	27.9	12 200 *	22.6	32.3	13 300 *	29.2	34.7	13 400	34.4	36.3	12 900	36.0
38.0													8.6	25.1	11 900 *	20.2	30.4	12 400	27.0	32.9	11 900	38.0
40.0																			17.0	28.0	11 100	40.0

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 43 270 kg Crane Counterweight  
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## 18.3m (60 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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	75.1	54.2	32 400 *b																			10.7
12.0	72.7	53.8	31 100 *																			12.0
14.0	69.1	53.1	29 200 *																			14.0
16.0	65.4	52.2	27 500 *	68.5	52.8	29 000 *																16.0
18.0	61.6	51.2	25 800 *	64.7	51.9	27 300 *																18.0
20.0	57.6	50.1	23 300 *	60.9	50.9	25 600 *	62.8	51.3	26 400 *													20.0
22.0	53.5	48.7	20 500 *	56.9	49.7	22 900 *	58.9	50.2	24 500 *													22.0
24.0	49.1	47.1	18 200 *	52.7	48.3	20 100 *	54.8	48.8	21 400 *	58.1	49.5	23 800 *										24.0
26.0	44.4	45.2	16 300 *	48.3	46.6	17 900 *	50.5	47.3	19 000 *	54.0	48.2	21 000 *	57.3	48.7	21 300							26.0
28.0	39.3	43.0	14 700 *	43.5	44.7	16 100 *	45.9	45.5	17 000 *	49.6	46.6	18 700 *	53.1	47.3	19 300							28.0
30.0	33.5	40.3	13 300 *	38.3	42.4	14 500 *	40.9	43.4	15 300 *	45.0	44.8	16 700 *	48.7	45.7	17 600							30.0
32.0	26.7	36.8	12 100 *	32.4	39.6	13 200 *	35.4	40.9	13 800 *	39.9	42.6	15 100 *	44.0	43.8	16 200	47.6	44.6	15 600				32.0
34.0	17.6	31.9	10 800 *	25.3	36.0	12 000 *	29.0	37.7	12 600 *	34.3	39.9	13 600 *	38.8	41.5	14 800 *	42.8	42.6	14 400	46.3	43.3	13 900	34.0
36.0				15.5	30.6	10 700 *	20.9	33.4	11 400 *	27.6	36.6	12 400 *	33.0	38.8	13 400 *	37.5	40.3	13 300	41.4	41.2	12 800	36.0
38.0							6.3	25.1	9 800 *	19.0	32.0	11 300 *	26.0	35.2	12 200 *	31.4	37.3	12 400	35.9	38.7	11 900	38.0
40.0													16.6	30.1	11 100 *	24.1	33.5	11 500	29.6	35.7	11 100	40.0
42.0																13.4	27.7	10 800	21.7	31.5	10 400	42.0
44.0																			8.6	24.1	9 700	44.0

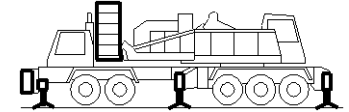


**777T**

# Liftcrane Luffing Jib Capacities

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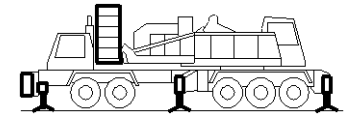
## 18.3m (60 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	73.9	56.9	28 700 *																			12.2
14.0	70.9	56.3	27 100 *																			14.0
16.0	67.6	55.6	25 400 *																			16.0
18.0	64.1	54.7	23 900 *	67.0	55.3	25 300 *																18.0
20.0	60.6	53.6	22 500 *	63.5	54.3	23 800 *	65.2	54.7	24 400 *													20.0
22.0	56.9	52.4	20 500 *	60.0	53.3	22 300 *	61.7	53.7	23 000 *													22.0
24.0	53.1	51.0	18 100 *	56.3	52.0	20 100 *	58.1	52.5	21 300 *													24.0
26.0	49.1	49.4	16 200 *	52.4	50.6	17 800 *	54.3	51.2	18 900 *	57.4	51.9	20 900 *										26.0
28.0	44.8	47.5	14 600 *	48.4	48.9	16 000 *	50.4	49.6	16 900 *	53.6	50.5	18 600 *	56.6	51.1	19 200							28.0
30.0	40.1	45.3	13 300 *	44.0	47.0	14 400 *	46.2	47.8	15 200 *	49.6	48.9	16 600 *	52.8	49.7	17 500							30.0
32.0	35.0	42.7	12 100 *	39.3	44.8	13 100 *	41.7	45.8	13 800 *	45.3	47.1	15 000 *	48.7	48.0	16 100	51.8	48.6	15 500				32.0
34.0	29.1	39.6	11 000 *	34.0	42.1	11 900 *	36.7	43.3	12 500 *	40.7	44.9	13 600 *	44.4	46.1	14 700 *	47.7	46.9	14 200				34.0
36.0	21.8	35.3	10 100 *	28.0	38.8	10 900 *	31.1	40.3	11 400 *	35.7	42.4	12 400 *	39.7	43.9	13 300 *	43.3	45.0	13 200				36.0
38.0	10.5	28.5	8 500 *	20.3	34.3	9 900 *	24.3	36.5	10 400 *	29.9	39.3	11 200 *	34.5	41.3	12 200 *	38.5	42.7	12 200	42.1	43.6	11 700	38.0
40.0							15.0	30.9	9 400 *	22.8	35.3	10 300 *	28.5	38.0	11 100 *	33.2	39.9	11 400	37.2	41.2	11 000	40.0
42.0										12.5	29.0	9 400 *	21.1	33.7	10 100 *	26.9	36.4	10 600	31.6	38.2	10 200	42.0
44.0													8.9	26.2	9 200 *	18.9	31.7	9 900	25.0	34.5	9 500	44.0
46.0																			16.0	29.2	8 900	46.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



## 18.3m (60 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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms		
12.2	75.2	60.1	23 000 *																			12.2	
14.0	72.4	59.5	22 400 *																			14.0	
16.0	69.4	58.8	21 700 *																			16.0	
18.0	66.3	58.0	20 500 *	68.8	58.6	21 500 *																18.0	
20.0	63.0	57.1	19 300 *	65.7	57.7	20 300 *	67.2	58.0	20 900 *													20.0	
22.0	59.8	56.0	18 200 *	62.5	56.7	19 200 *	64.1	57.1	19 700 *													22.0	
24.0	56.3	54.7	17 100 *	59.2	55.6	18 100 *	60.8	56.0	18 600 *													24.0	
26.0	52.8	53.3	16 200 *	55.7	54.4	17 100 *	57.4	54.8	17 500 *	60.2	55.4	18 300 *										26.0	
28.0	49.1	51.7	14 700 *	52.2	52.9	16 000 *	53.9	53.5	16 600 *	56.8	54.2	17 300 *										28.0	
30.0	45.1	49.8	13 300 *	48.4	51.2	14 500 *	50.3	51.9	15 400 *	53.2	52.8	16 400 *	56.0	53.4	16 900 *							30.0	
32.0	40.9	47.7	12 100 *	44.4	49.3	13 200 *	46.4	50.1	13 800 *	49.5	51.2	15 000 *	52.5	52.0	15 900							32.0	
34.0	36.2	45.2	11 000 *	40.1	47.1	12 000 *	42.3	48.1	12 600 *	45.6	49.4	13 600 *	48.7	50.3	14 700	51.6	50.9	14 100				34.0	
36.0	31.0	42.2	10 100 *	35.4	44.5	10 900 *	37.8	45.7	11 500 *	41.4	47.3	12 400 *	44.8	48.4	13 400 *	47.8	49.2	13 100				36.0	
38.0	24.8	38.4	9 200 *	30.0	41.4	10 000 *	32.8	42.9	10 500 *	36.8	44.8	11 300 *	40.5	46.3	12 200 *	43.8	47.3	12 100				38.0	
40.0	16.7	33.1	8 400 *	23.6	37.5	9 100 *	26.9	39.4	9 600 *	31.7	41.9	10 300 *	35.8	43.7	11 100 *	39.4	45.0	11 300	42.6	45.9	10 800	40.0	
42.0				14.8	31.7	8 300 *	19.6	34.7	8 800 *	25.7	38.2	9 500 *	30.5	40.7	10 200 *	34.6	42.4	10 500	38.2	43.6	10 100	42.0	
44.0							7.1	26.3	7 600 *	17.9	33.2	8 700 *	24.2	36.8	9 300 *	29.1	39.2	9 900	33.2	40.8	9 400	44.0	
46.0														15.8	31.3	8 500 *	22.5	35.0	9 200 *	27.5	37.4	8 800	46.0
48.0																	13.0	28.8	8 400 *	20.3	32.9	8 300	48.0
50.0																				8.9	25.2	7 800	50.0



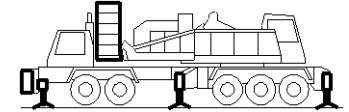


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



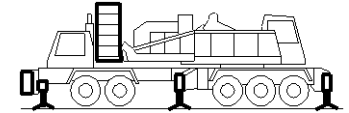
## 18.3m (60 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.1	62.8	21 100 *																			13.7
14.0	73.7	62.7	21 000 *																			14.0
16.0	70.9	62.1	20 200 *																			16.0
18.0	68.0	61.3	18 900 *																			18.0
20.0	65.1	60.5	17 800 *	67.5	61.0	18 700 *																20.0
22.0	62.1	59.5	16 700 *	64.6	60.2	17 600 *	66.0	60.4	18 100 *													22.0
24.0	59.0	58.3	15 700 *	61.6	59.1	16 600 *	63.1	59.5	17 100 *													24.0
26.0	55.8	57.1	14 700 *	58.5	58.0	15 600 *	60.0	58.4	16 100 *	62.5	58.9	16 700 *										26.0
28.0	52.5	55.6	13 900 *	55.3	56.7	14 700 *	56.9	57.2	15 100 *	59.4	57.8	15 800 *										28.0
30.0	49.1	54.0	13 100 *	51.9	55.2	13 800 *	53.6	55.8	14 200 *	56.2	56.5	14 900 *										30.0
32.0	45.4	52.2	12 000 *	48.4	53.5	13 000 *	50.2	54.2	13 400 *	53.0	55.1	14 000 *	55.6	55.7	14 600 *							32.0
34.0	41.5	50.0	11 000 *	44.7	51.7	11 800 *	46.6	52.5	12 500 *	49.5	53.5	13 200 *	52.2	54.3	13 800 *							34.0
36.0	37.3	47.6	10 000 *	40.8	49.5	10 800 *	42.8	50.4	11 300 *	45.9	51.7	12 300 *	48.8	52.6	13 000 *	51.4	53.2	12 900				36.0
38.0	32.6	44.7	9 200 *	36.5	47.0	9 900 *	38.7	48.1	10 400 *	42.0	49.6	11 200 *	45.1	50.7	12 100 *	47.9	51.5	12 000				38.0
40.0	27.2	41.3	8 400 *	31.7	44.0	9 100 *	34.1	45.4	9 500 *	37.8	47.2	10 300 *	41.1	48.6	11 000 *	44.2	49.6	11 100	46.9	50.2	10 600	40.0
42.0	20.5	36.7	7 700 *	26.1	40.4	8 300 *	29.0	42.1	8 700 *	33.2	44.4	9 400 *	36.9	46.1	10 100 *	40.2	47.4	10 300	43.1	48.2	9 900	42.0
44.0	10.5	29.5	6 600 *	19.2	35.6	7 600 *	22.9	38.0	8 000 *	27.9	41.0	8 600 *	32.1	43.2	9 300 *	35.8	44.8	9 700	39.0	46.0	9 300	44.0
46.0							14.4	32.1	7 300 *	21.5	36.7	7 900 *	26.7	39.7	8 500 *	30.9	41.8	9 100	34.5	43.3	8 700	46.0
48.0										12.2	30.1	7 300 *	19.9	35.0	7 800 *	25.2	38.0	8 400 *	29.5	40.1	8 100	48.0
50.0													9.1	27.3	7 100 *	17.9	33.0	7 700 *	23.4	36.1	7 600	50.0
52.0																			15.3	30.4	7 200	52.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



## 18.3m (60 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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.2	66.0	19 800 *																			13.7
14.0	74.8	65.9	19 700 *																			14.0
16.0	72.2	65.3	18 700 *																			16.0
18.0	69.6	64.6	17 500 *																			18.0
20.0	66.9	63.8	16 500 *	69.1	64.3	17 300 *																20.0
22.0	64.1	62.9	15 400 *	66.4	63.5	16 300 *																22.0
24.0	61.3	61.9	14 500 *	63.6	62.6	15 300 *	65.0	62.9	15 700 *													24.0
26.0	58.4	60.7	13 600 *	60.8	61.5	14 300 *	62.2	61.9	14 800 *													26.0
28.0	55.4	59.4	12 700 *	57.9	60.3	13 400 *	59.3	60.8	13 900 *	61.7	61.3	14 500 *										28.0
30.0	52.3	57.9	11 900 *	54.9	59.0	12 600 *	56.4	59.5	13 000 *	58.8	60.2	13 600 *										30.0
32.0	49.1	56.3	11 200 *	51.7	57.5	11 800 *	53.3	58.1	12 200 *	55.8	58.9	12 800 *										32.0
34.0	45.7	54.5	10 500 *	48.5	55.8	11 100 *	50.1	56.5	11 400 *	52.7	57.4	12 000 *	55.1	58.0	12 600 *							34.0
36.0	42.0	52.4	9 900 *	45.0	54.0	10 400 *	46.8	54.7	10 700 *	49.5	55.8	11 300 *	52.0	56.6	11 800 *							36.0
38.0	38.1	50.0	9 200 *	41.4	51.8	9 800 *	43.2	52.7	10 100 *	46.1	54.0	10 600 *	48.8	54.9	11 100 *							38.0
40.0	33.9	47.2	8 400 *	37.4	49.4	9 100 *	39.4	50.5	9 500 *	42.5	52.0	10 000 *	45.3	53.1	10 400 *	48.0	53.8	10 900 *				40.0
42.0	29.1	44.0	7 800 *	33.1	46.6	8 300 *	35.3	47.8	8 700 *	38.6	49.6	9 300 *	41.7	51.0	9 800 *	44.5	51.9	10 300 *				42.0
44.0	23.4	39.9	7 100 *	28.2	43.2	7 700 *	30.7	44.8	8 000 *	34.4	46.9	8 600 *	37.8	48.5	9 300 *	40.8	49.7	9 600	43.5	50.6	9 200	44.0
46.0	16.0	34.3	6 500 *	22.3	38.9	7 100 *	25.3	41.0	7 400 *	29.7	43.7	7 900 *	33.5	45.8	8 500 *	36.8	47.3	9 000	39.8	48.3	8 600	46.0
48.0				14.3	32.9	6 400 *	18.6	36.0	6 800 *	24.2	39.8	7 300 *	28.6	42.4	7 900 *	32.4	44.4	8 400 *	35.7	45.7	8 100	48.0
50.0							7.6	27.5	6 000 *	17.1	34.5	6 800 *	22.8	38.3	7 200 *	27.3	40.9	7 700 *	31.1	42.7	7 600	50.0
52.0													15.1	32.5	6 700 *	21.3	36.5	7 100 *	25.8	39.0	7 100	52.0
56.0																			9.0	26.3	6 300	56.0

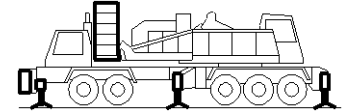


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



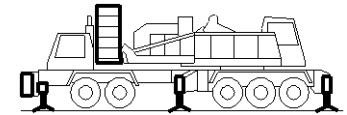
## 18.3m (60 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.3	68.7	17 500 *																			15.2
16.0	73.4	68.5	17 100 *																			16.0
18.0	70.9	67.8	16 100 *																			18.0
20.0	68.4	67.1	15 000 *	70.5	67.6	15 900 *																20.0
22.0	65.8	66.3	14 100 *	68.0	66.8	14 900 *																22.0
24.0	63.2	65.3	13 100 *	65.4	65.9	13 900 *																24.0
26.0	60.6	64.2	12 200 *	62.8	65.0	13 000 *	64.1	65.3	13 400 *													26.0
28.0	57.8	63.0	11 400 *	60.1	63.9	12 100 *	61.4	64.3	12 500 *													28.0
30.0	55.0	61.7	10 700 *	57.4	62.7	11 300 *	58.7	63.1	11 700 *	60.9	63.7	12 300 *										30.0
32.0	52.1	60.2	9 900 *	54.5	61.3	10 600 *	55.9	61.8	10 900 *	58.2	62.5	11 500 *										32.0
34.0	49.1	58.6	9 300 *	51.6	59.8	9 900 *	53.0	60.4	10 200 *	55.4	61.2	10 800 *										34.0
36.0	45.9	56.8	8 600 *	48.5	58.1	9 200 *	50.0	58.8	9 500 *	52.5	59.7	10 000 *	54.8	60.4	10 500 *							36.0
38.0	42.5	54.7	8 100 *	45.3	56.3	8 600 *	46.9	57.0	8 900 *	49.4	58.1	9 400 *	51.8	58.9	9 800 *							38.0
40.0	38.9	52.4	7 500 *	41.9	54.2	8 000 *	43.6	55.1	8 300 *	46.3	56.3	8 700 *	48.8	57.2	9 200 *	51.1	57.8	9 600 *				40.0
42.0	35.0	49.7	7 000 *	38.2	51.8	7 500 *	40.1	52.8	7 700 *	42.9	54.3	8 200 *	45.6	55.4	8 600 *	48.0	56.1	9 000 *				42.0
44.0	30.6	46.6	6 600 *	34.3	49.1	6 900 *	36.3	50.3	7 200 *	39.4	52.0	7 600 *	42.2	53.3	8 000 *	44.8	54.2	8 400 *				44.0
46.0	25.7	42.9	6 200 *	29.8	45.9	6 500 *	32.1	47.3	6 700 *	35.5	49.4	7 100 *	38.6	50.9	7 500 *	41.3	52.1	7 900 *	43.9	52.9	8 200 *	46.0
48.0	19.5	38.1	5 800 *	24.7	42.0	6 100 *	27.3	43.8	6 300 *	31.2	46.3	6 600 *	34.6	48.2	7 000 *	37.7	49.7	7 300 *	40.4	50.7	7 700 *	48.0
50.0	10.5	30.6	5 100 *	18.3	36.9	5 700 *	21.7	39.5	5 900 *	26.3	42.7	6 200 *	30.2	45.1	6 500 *	33.6	46.9	6 900 *	36.6	48.2	7 200 *	50.0
52.0							14.0	33.2	5 600 *	20.4	38.1	5 800 *	25.2	41.3	6 100 *	29.1	43.6	6 400 *	32.5	45.2	6 700 *	52.0
56.0													9.2	28.4	5 400 *	17.1	34.2	5 700 *	22.2	37.5	5 900 *	56.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



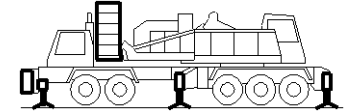
## 18.3m (60 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

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 Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.2	71.9	16 200 *																			15.2
16.0	74.4	71.7	15 800 *																			16.0
18.0	72.1	71.1	14 800 *																			18.0
20.0	69.7	70.4	13 800 *																			20.0
22.0	67.3	69.6	12 900 *	69.3	70.1	13 700 *																22.0
24.0	64.9	68.7	12 000 *	66.9	69.3	12 800 *																24.0
26.0	62.5	67.7	11 200 *	64.5	68.4	11 900 *	65.7	68.7	12 300 *													26.0
28.0	59.9	66.6	10 400 *	62.0	67.4	11 100 *	63.2	67.7	11 500 *													28.0
30.0	57.3	65.4	9 700 *	59.5	66.2	10 300 *	60.7	66.7	10 700 *													30.0
32.0	54.7	64.0	9 000 *	56.9	65.0	9 600 *	58.2	65.5	9 900 *	60.3	66.1	10 500 *										32.0
34.0	51.9	62.5	8 300 *	54.2	63.6	8 900 *	55.5	64.2	9 200 *	57.7	64.8	9 700 *										34.0
36.0	49.1	60.9	7 700 *	51.4	62.1	8 200 *	52.8	62.7	8 500 *	55.0	63.5	9 100 *										36.0
38.0	46.1	59.1	7 100 *	48.5	60.4	7 600 *	50.0	61.1	7 900 *	52.3	62.0	8 400 *	54.4	62.7	8 900 *							38.0
40.0	42.9	57.0	6 700 *	45.5	58.6	7 100 *	47.0	59.4	7 400 *	49.4	60.4	7 800 *	51.7	61.2	8 200 *							40.0
42.0	39.5	54.7	6 100 *	42.3	56.5	6 600 *	43.9	57.4	6 800 *	46.4	58.6	7 200 *	48.8	59.5	7 700 *	51.0	60.1	8 000 *				42.0
44.0	35.9	52.2	5 700 *	38.9	54.2	6 100 *	40.6	55.2	6 300 *	43.3	56.6	6 700 *	45.8	57.7	7 100 *	48.1	58.4	7 500 *				44.0
46.0	32.0	49.2	5 300 *	35.3	51.5	5 600 *	37.1	52.7	5 800 *	40.0	54.3	6 200 *	42.6	55.6	6 600 *	45.0	56.5	7 000 *	47.3	57.2	7 300 *	46.0
48.0	27.5	45.7	4 800 *	31.2	48.5	5 200 *	33.3	49.9	5 400 *	36.4	51.8	5 800 *	39.2	53.3	6 100 *	41.8	54.4	6 500 *	44.2	55.2	6 800 *	48.0
50.0	22.2	41.4	4 300 *	26.7	44.9	4 700 *	29.0	46.6	4 900 *	32.5	48.9	5 300 *	35.6	50.7	5 700 *	38.4	52.1	6 000 *	40.9	53.0	6 300 *	50.0
52.0	15.4	35.5	3 900 *	21.2	40.4	4 200 *	24.0	42.5	4 400 *	28.1	45.5	4 800 *	31.6	47.7	5 300 *	34.7	49.4	5 500 *	37.4	50.6	5 900 *	52.0
56.0							7.9	28.6	3 600 *	16.4	35.7	3 900 *	21.7	39.7	4 300 *	25.9	42.5	4 600 *	29.4	44.5	5 000 *	56.0
60.0																12.4	31.0	3 700 *	18.5	35.5	4 100 *	60.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



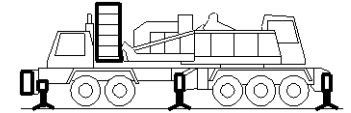
## 21.3m (70 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
9.1	70.9	45.0	47 600 *b																			9.1
10.0	68.4	44.7	46 300 *b																			10.0
12.0	62.5	43.7	43 100 *b																			12.0
14.0	56.3	42.5	37 700 *	62.2	43.5	43 400 *b	65.7	43.9	45 200 *b													14.0
16.0	49.5	41.0	31 400 *	56.0	42.3	37 800 *	59.6	42.8	40 800 *b													16.0
18.0	42.0	39.1	26 900 *	49.2	40.8	31 300 *	53.2	41.5	34 700 *	59.2	42.3	35 000 *										18.0
20.0	33.2	36.5	23 300 *	41.7	38.8	26 800 *	46.1	39.8	29 300 *	52.7	41.0	31 100										20.0
22.0	21.5	32.6	19 900 *	32.8	36.2	23 300 *	38.1	37.6	25 200 *	45.6	39.3	27 600	52.2	40.2	26 600							22.0
24.0				20.9	32.2	20 200 *	28.3	34.5	22 000 *	37.5	37.0	24 700	45.0	38.5	23 700							24.0
26.0										27.5	33.9	21 900 *	36.8	36.2	21 400	44.1	37.5	20 600				26.0
28.0													26.5	32.9	19 500	35.7	35.1	18 700	42.9	36.2	18 000	28.0
30.0																25.1	31.7	17 100	34.3	33.7	16 400	30.0
32.0																2.0	23.4	15 600	23.1	30.1	15 100	32.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



## 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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
9.1	73.3	48.2	43 700 *b																			9.1
10.0	71.2	47.9	42 600 *b																			10.0
12.0	66.2	47.1	40 200 *																			12.0
14.0	60.9	46.1	37 700 *	66.0	46.9	40 400 *																14.0
16.0	55.4	44.9	31 500 *	60.7	45.9	37 300 *	63.7	46.3	39 200 *													16.0
18.0	49.5	43.3	26 900 *	55.1	44.6	31 500 *	58.4	45.2	34 800 *													18.0
20.0	42.9	41.4	23 400 *	49.2	43.1	26 900 *	52.6	43.8	29 400 *	58.0	44.7	31 000										20.0
22.0	35.5	39.0	20 600 *	42.7	41.2	23 400 *	46.5	42.1	25 300 *	52.3	43.3	27 500										22.0
24.0	26.3	35.6	18 200 *	35.2	38.7	20 500 *	39.6	40.0	22 100 *	46.1	41.6	24 500	51.8	42.5	23 600							24.0
26.0				25.9	35.3	18 200 *	31.5	37.2	19 500 *	39.1	39.4	22 100 *	45.5	40.8	21 300	51.1	41.6	20 400				26.0
28.0							20.8	33.1	17 200 *	30.9	36.5	19 400 *	38.5	38.6	19 300	44.7	39.8	18 500				28.0
30.0										20.0	32.3	17 300 *	30.1	35.6	17 700	37.6	37.5	16 900	43.7	38.6	16 300	30.0
32.0													18.7	31.2	16 200	29.0	34.5	15 600	36.4	36.2	14 900	32.0
34.0																17.0	29.7	14 300	27.5	33.0	13 700	34.0
36.0																			14.3	27.7	12 700	36.0

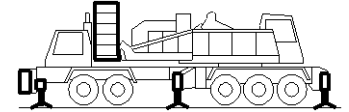


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



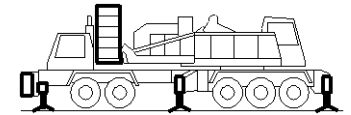
## 21.3m (70 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
9.1	75.2	51.3	39 300 *b																			9.1
10.0	73.4	51.1	38 200 *b																			10.0
12.0	69.0	50.4	35 700 *																			12.0
14.0	64.4	49.5	33 500 *	68.8	50.2	35 800 *																14.0
16.0	59.7	48.5	31 200 *	64.2	49.3	33 600 *																16.0
18.0	54.7	47.2	27 300 *	59.5	48.3	31 300 *	62.2	48.7	32 800 *													18.0
20.0	49.4	45.6	23 600 *	54.5	47.0	27 100 *	57.4	47.5	29 700 *	61.9	48.2	30 800										20.0
22.0	43.6	43.7	20 700 *	49.2	45.4	23 500 *	52.3	46.1	25 500 *	57.1	47.0	27 300										22.0
24.0	37.2	41.4	18 400 *	43.4	43.5	20 700 *	46.8	44.4	22 300 *	51.9	45.6	24 400										24.0
26.0	29.6	38.4	16 400 *	36.9	41.1	18 400 *	40.7	42.3	19 700 *	46.4	43.9	22 000	51.5	44.9	21 100							26.0
28.0	19.5	34.0	14 400 *	29.2	38.0	16 400 *	33.8	39.7	17 600 *	40.3	41.7	19 700 *	45.9	43.1	19 200	50.8	43.9	18 400				28.0
30.0				19.0	33.6	14 600 *	25.3	36.2	15 700 *	33.3	39.1	17 500 *	39.7	40.9	17 500	45.2	42.1	16 800				30.0
32.0							12.4	30.3	13 900 *	24.7	35.5	15 700 *	32.7	38.2	16 100	39.0	39.9	15 500	44.3	40.9	14 800	32.0
34.0													23.8	34.5	14 900	31.8	37.1	14 200	38.0	38.6	13 700	34.0
36.0																22.6	33.2	13 200	30.5	35.7	12 600	36.0
38.0																5.1	25.1	12 200	20.9	31.5	11 700	38.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



## 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 Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	73.8	54.1	34 700 *b																			10.7
12.0	71.1	53.7	33 400 *																			12.0
14.0	67.1	52.9	31 200 *																			14.0
16.0	63.0	52.0	29 300 *	66.9	52.7	31 300 *																16.0
18.0	58.7	50.8	27 000 *	62.8	51.7	29 400 *	65.2	52.1	30 400 *													18.0
20.0	54.1	49.5	23 500 *	58.5	50.6	27 100 *	61.0	51.1	28 600 *													20.0
22.0	49.4	47.9	20 700 *	54.0	49.3	23 400 *	56.6	49.9	25 600 *	60.7	50.6	27 200										22.0
24.0	44.2	46.1	18 400 *	49.2	47.7	20 600 *	51.9	48.4	22 300 *	56.3	49.4	24 300										24.0
26.0	38.5	43.8	16 400 *	44.0	45.8	18 400 *	47.0	46.7	19 700 *	51.6	47.9	21 800	55.9	48.6	21 000							26.0
28.0	32.0	41.0	14 800 *	38.3	43.5	16 400 *	41.6	44.7	17 500 *	46.7	46.2	19 600 *	51.2	47.2	19 000							28.0
30.0	24.0	37.2	13 400 *	31.7	40.7	14 800 *	35.6	42.2	15 700 *	41.2	44.1	17 400 *	46.2	45.4	17 400							30.0
32.0	11.7	31.0	11 000 *	23.6	36.8	13 400 *	28.5	39.0	14 200 *	35.2	41.5	15 700 *	40.7	43.3	16 000	45.6	44.4	15 300				32.0
34.0							19.1	34.4	12 800 *	28.0	38.3	14 200 *	34.6	40.7	14 700	40.1	42.3	14 100	44.8	43.2	13 500	34.0
36.0										18.4	33.6	12 800 *	27.3	37.4	13 600	33.8	39.6	13 000	39.2	41.0	12 500	36.0
38.0													17.4	32.5	12 700	26.3	36.2	12 100	32.8	38.2	11 600	38.0
40.0																15.8	31.0	11 300	25.0	34.6	10 800	40.0
42.0																			13.6	28.9	10 000	42.0



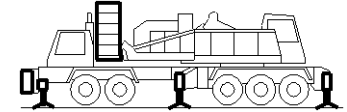


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



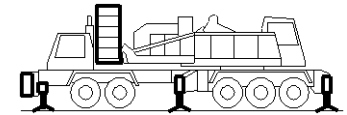
## 21.3m (70 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	75.3	57.2	32 200 *b																			10.7
12.0	72.9	56.9	31 000 *																			12.0
14.0	69.3	56.2	29 200 *																			14.0
16.0	65.6	55.3	27 500 *	69.1	56.0	29 200 *																16.0
18.0	61.8	54.4	25 800 *	65.4	55.1	27 500 *																18.0
20.0	57.8	53.2	23 600 *	61.6	54.1	25 900 *	63.8	54.5	26 800 *													20.0
22.0	53.7	51.8	20 700 *	57.7	53.0	23 700 *	59.9	53.5	25 100 *													22.0
24.0	49.3	50.2	18 400 *	53.5	51.6	20 700 *	55.9	52.2	22 400 *	59.7	53.0	24 200										24.0
26.0	44.7	48.4	16 500 *	49.1	50.0	18 400 *	51.7	50.7	19 700 *	55.6	51.7	21 800										26.0
28.0	39.6	46.2	14 900 *	44.4	48.1	16 500 *	47.2	49.0	17 600 *	51.4	50.2	19 700 *	55.3	51.0	19 000							28.0
30.0	33.8	43.5	13 500 *	39.3	45.9	14 900 *	42.3	47.0	15 800 *	46.9	48.5	17 500 *	51.0	49.5	17 400							30.0
32.0	27.1	40.1	12 200 *	33.6	43.2	13 500 *	37.0	44.6	14 300 *	42.0	46.4	15 800 *	46.5	47.7	15 900	50.5	48.5	15 200				32.0
34.0	18.2	35.3	10 900 *	26.8	39.7	12 300 *	30.8	41.6	13 000 *	36.6	44.0	14 300 *	41.6	45.6	14 700	45.9	46.7	14 100				34.0
36.0				17.7	34.8	11 100 *	23.3	37.7	11 800 *	30.4	41.0	13 000 *	36.1	43.2	13 600	41.0	44.6	13 000	45.2	45.5	12 400	36.0
38.0							12.0	31.4	10 600 *	22.7	37.0	11 800 *	29.8	40.1	12 700	35.4	42.1	12 100	40.1	43.3	11 600	38.0
40.0													22.0	36.0	11 700	29.0	38.9	11 300	34.5	40.7	10 700	40.0
42.0																20.9	34.6	10 500	27.9	37.4	10 000	42.0
44.0																6.3	26.3	9 800	19.4	32.8	9 400	44.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



## 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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	74.1	60.0	28 600 *																			12.2
14.0	71.1	59.4	27 000 *																			14.0
16.0	67.7	58.7	25 400 *																			16.0
18.0	64.3	57.8	23 900 *	67.6	58.5	25 400 *																18.0
20.0	60.8	56.7	22 500 *	64.2	57.6	24 000 *	66.1	57.9	24 800 *													20.0
22.0	57.1	55.5	20 800 *	60.6	56.5	22 600 *	62.7	56.9	23 400 *													22.0
24.0	53.3	54.1	18 300 *	57.0	55.3	20 700 *	59.1	55.8	22 000 *													24.0
26.0	49.3	52.5	16 400 *	53.2	53.9	18 300 *	55.4	54.5	19 600 *	58.9	55.3	21 700										26.0
28.0	45.0	50.7	14 800 *	49.1	52.3	16 400 *	51.5	53.0	17 500 *	55.1	54.0	19 600										28.0
30.0	40.4	48.5	13 400 *	44.8	50.4	14 800 *	47.3	51.3	15 800 *	51.2	52.5	17 500 *	54.8	53.3	17 200							30.0
32.0	35.3	46.0	12 200 *	40.2	48.2	13 400 *	42.9	49.3	14 200 *	47.1	50.8	15 700 *	50.9	51.8	15 700							32.0
34.0	29.4	42.8	11 100 *	35.1	45.7	12 200 *	38.1	47.0	12 900 *	42.6	48.8	14 200 *	46.7	50.0	14 600	50.4	50.8	13 900				34.0
36.0	22.3	38.7	10 200 *	29.2	42.5	11 200 *	32.7	44.2	11 800 *	37.8	46.4	12 900 *	42.2	48.0	13 500	46.2	49.0	12 800				36.0
38.0	11.4	32.0	8 600 *	21.9	38.3	10 200 *	26.3	40.6	10 700 *	32.3	43.5	11 800 *	37.3	45.6	12 500	41.7	47.0	11 900				38.0
40.0							18.0	35.7	9 800 *	25.8	39.9	10 700 *	31.8	42.7	11 600	36.7	44.5	11 100	40.9	45.7	10 600	40.0
42.0										17.3	34.9	9 800 *	25.2	39.0	10 700 *	31.1	41.5	10 300	35.9	43.2	9 900	42.0
44.0													16.4	33.7	9 800 *	24.3	37.7	9 700	30.2	40.1	9 200	44.0
46.0																15.0	32.1	9 100	23.2	36.1	8 600	46.0
48.0																			13.1	30.0	8 100	48.0

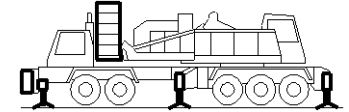


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



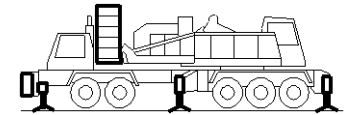
## 21.3m (70 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	75.3	63.1	22 800 *																			12.2
14.0	72.6	62.6	22 200 *																			14.0
16.0	69.5	61.9	21 600 *																			16.0
18.0	66.4	61.1	20 500 *																			18.0
20.0	63.2	60.2	19 300 *	66.3	60.9	20 500 *																20.0
22.0	59.9	59.1	18 200 *	63.1	60.0	19 300 *	64.9	60.3	19 900 *													22.0
24.0	56.5	57.9	17 200 *	59.8	58.9	18 200 *	61.7	59.3	18 800 *													24.0
26.0	53.0	56.5	16 200 *	56.4	57.6	17 200 *	58.3	58.2	17 800 *	61.5	58.8	18 600 *										26.0
28.0	49.3	54.8	14 900 *	52.8	56.2	16 200 *	54.9	56.9	16 800 *	58.1	57.7	17 600 *										28.0
30.0	45.3	53.0	13 400 *	49.1	54.6	14 900 *	51.3	55.4	15 700 *	54.7	56.3	16 700 *										30.0
32.0	41.1	50.9	12 200 *	45.2	52.7	13 500 *	47.5	53.6	14 300 *	51.0	54.8	15 700 *	54.4	55.6	15 600							32.0
34.0	36.5	48.4	11 200 *	40.9	50.6	12 200 *	43.4	51.7	12 900 *	47.2	53.1	14 200 *	50.7	54.1	14 400							34.0
36.0	31.3	45.4	10 200 *	36.3	48.1	11 200 *	39.0	49.4	11 800 *	43.1	51.1	12 900 *	46.9	52.3	13 300	50.3	53.1	12 700				36.0
38.0	25.2	41.7	9 400 *	31.1	45.1	10 200 *	34.1	46.7	10 800 *	38.7	48.8	11 800 *	42.8	50.3	12 400	46.4	51.3	11 800				38.0
40.0	17.2	36.5	8 400 *	24.9	41.3	9 400 *	28.6	43.4	9 900 *	33.8	46.1	10 800 *	38.3	48.0	11 500	42.3	49.3	11 000	45.8	50.1	10 400	40.0
42.0				16.8	36.1	8 600 *	21.8	39.2	9 000 *	28.2	42.7	9 900 *	33.4	45.2	10 700	37.8	46.9	10 300	41.6	48.0	9 700	42.0
44.0							11.7	32.5	8 200 *	21.3	38.4	9 100 *	27.7	41.8	9 800 *	32.8	44.1	9 600	37.0	45.6	9 100	44.0
46.0													20.6	37.3	9 000 *	26.9	40.6	9 000	31.9	42.7	8 500	46.0
48.0																19.6	35.9	8 400	26.0	39.1	8 000	48.0
50.0																7.1	27.5	7 900	18.3	34.1	7 500	50.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.3	65.9	21 000 *																			13.7
14.0	73.9	65.8	20 900 *																			14.0
16.0	71.1	65.2	20 100 *																			16.0
18.0	68.2	64.4	18 900 *																			18.0
20.0	65.3	63.6	17 800 *	68.1	64.2	18 900 *																20.0
22.0	62.3	62.6	16 700 *	65.1	63.3	17 800 *	66.8	63.7	18 300 *													22.0
24.0	59.2	61.5	15 700 *	62.2	62.4	16 700 *	63.9	62.8	17 300 *													24.0
26.0	56.0	60.2	14 800 *	59.1	61.2	15 700 *	60.8	61.7	16 300 *													26.0
28.0	52.7	58.8	14 000 *	55.9	60.0	14 800 *	57.7	60.5	15 300 *	60.6	61.2	16 100 *										28.0
30.0	49.3	57.1	13 100 *	52.6	58.5	14 000 *	54.5	59.2	14 500 *	57.5	60.0	15 200 *										30.0
32.0	45.6	55.3	12 200 *	49.1	56.9	13 200 *	51.1	57.7	13 600 *	54.3	58.6	14 400 *	57.2	59.3	15 000 *							32.0
34.0	41.7	53.2	11 100 *	45.5	55.0	12 200 *	47.6	55.9	12 800 *	50.9	57.1	13 600 *	54.0	57.9	14 200							34.0
36.0	37.5	50.8	10 100 *	41.6	52.9	11 100 *	43.8	54.0	11 700 *	47.3	55.4	12 700 *	50.6	56.4	13 200							36.0
38.0	32.8	48.0	9 300 *	37.3	50.5	10 200 *	39.8	51.7	10 700 *	43.6	53.4	11 700 *	47.0	54.6	12 200	50.2	55.4	11 600				38.0
40.0	27.5	44.5	8 500 *	32.6	47.7	9 300 *	35.4	49.2	9 800 *	39.5	51.2	10 700 *	43.2	52.6	11 400	46.6	53.6	10 800				40.0
42.0	20.9	40.1	7 800 *	27.3	44.2	8 600 *	30.4	46.1	9 000 *	35.1	48.5	9 800 *	39.2	50.3	10 600	42.8	51.6	10 100	46.0	52.4	9 600	42.0
44.0	11.3	33.1	6 600 *	20.6	39.7	7 900 *	24.6	42.2	8 300 *	30.1	45.4	9 000 *	34.7	47.7	9 700 *	38.7	49.3	9 400	42.2	50.4	8 900	44.0
46.0							17.1	37.0	7 600 *	24.2	41.5	8 200 *	29.6	44.5	9 000 *	34.1	46.6	8 800	38.0	48.0	8 400	46.0
48.0										16.5	36.1	7 600 *	23.6	40.5	8 300 *	29.0	43.3	8 300	33.4	45.2	7 800	48.0
50.0													15.6	34.9	7 600 *	22.9	39.2	7 700	28.1	41.8	7 300	50.0
52.0																14.4	33.3	7 300	21.8	37.5	6 900	52.0

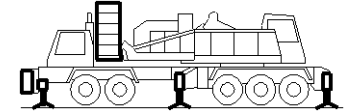


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



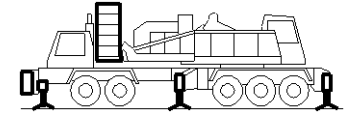
## 21.3m (70 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

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 Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.3	69.0	19 600 *																			13.7
14.0	75.0	69.0	19 500 *																			14.0
16.0	72.4	68.4	18 700 *																			16.0
18.0	69.7	67.7	17 500 *																			18.0
20.0	67.0	66.9	16 500 *	69.6	67.5	17 400 *																20.0
22.0	64.3	66.0	15 400 *	66.9	66.7	16 400 *																22.0
24.0	61.4	65.0	14 500 *	64.2	65.8	15 400 *	65.7	66.1	15 900 *													24.0
26.0	58.6	63.8	13 600 *	61.3	64.7	14 500 *	62.9	65.2	15 000 *													26.0
28.0	55.6	62.5	12 700 *	58.4	63.6	13 600 *	60.1	64.1	14 100 *													28.0
30.0	52.5	61.1	12 000 *	55.4	62.3	12 800 *	57.2	62.9	13 200 *	59.9	63.6	13 900 *										30.0
32.0	49.2	59.4	11 200 *	52.3	60.8	12 000 *	54.1	61.5	12 400 *	57.0	62.3	13 100 *										32.0
34.0	45.8	57.6	10 500 *	49.1	59.2	11 300 *	51.0	60.0	11 700 *	53.9	61.0	12 300 *	56.7	61.6	12 900 *							34.0
36.0	42.2	55.5	9 900 *	45.7	57.3	10 600 *	47.7	58.2	11 000 *	50.8	59.4	11 600 *	53.7	60.2	12 200 *							36.0
38.0	38.4	53.2	9 300 *	42.1	55.3	9 900 *	44.2	56.3	10 300 *	47.4	57.7	10 900 *	50.5	58.7	11 500 *							38.0
40.0	34.1	50.5	8 600 *	38.2	52.9	9 300 *	40.4	54.1	9 700 *	43.9	55.7	10 300 *	47.2	56.9	10 800 *	50.1	57.7	10 700				40.0
42.0	29.3	47.2	7 900 *	33.9	50.2	8 600 *	36.4	51.6	9 000 *	40.2	53.5	9 600 *	43.6	55.0	10 200 *	46.8	55.9	10 000				42.0
44.0	23.7	43.2	7 300 *	29.1	46.9	7 900 *	31.9	48.6	8 300 *	36.1	51.0	9 000 *	39.9	52.7	9 600 *	43.2	53.9	9 400				44.0
46.0	16.4	37.7	6 600 *	23.5	42.8	7 300 *	26.8	45.1	7 600 *	31.7	48.0	8 300 *	35.8	50.1	9 000 *	39.4	51.7	8 800	42.6	52.7	8 300	46.0
48.0				16.1	37.3	6 600 *	20.6	40.5	7 000 *	26.5	44.4	7 600 *	31.2	47.1	8 300 *	35.3	49.0	8 200	38.8	50.4	7 800	48.0
50.0							11.6	33.6	6 400 *	20.2	39.8	7 000 *	26.0	43.4	7 600 *	30.7	46.0	7 700	34.6	47.7	7 300	50.0
52.0													19.5	38.7	7 000 *	25.3	42.2	7 300	29.9	44.5	6 900	52.0
56.0																7.6	28.6	6 300	17.4	35.4	6 000	56.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.4	71.8	17 500 *																			15.2
16.0	73.5	71.6	17 100 *																			16.0
18.0	71.0	70.9	16 100 *																			18.0
20.0	68.5	70.2	15 000 *																			20.0
22.0	66.0	69.4	14 100 *	68.4	70.0	15 000 *																22.0
24.0	63.4	68.4	13 100 *	65.9	69.1	14 000 *																24.0
26.0	60.7	67.3	12 300 *	63.3	68.2	13 200 *	64.8	68.6	13 600 *													26.0
28.0	58.0	66.2	11 500 *	60.6	67.1	12 300 *	62.1	67.6	12 700 *													28.0
30.0	55.2	64.8	10 700 *	57.9	65.9	11 500 *	59.4	66.4	11 900 *													30.0
32.0	52.3	63.4	10 000 *	55.1	64.6	10 700 *	56.7	65.2	11 100 *	59.3	65.9	11 800 *										32.0
34.0	49.2	61.7	9 300 *	52.1	63.1	10 000 *	53.8	63.8	10 400 *	56.5	64.7	11 000 *										34.0
36.0	46.0	59.9	8 700 *	49.1	61.5	9 300 *	50.8	62.3	9 700 *	53.6	63.3	10 300 *	56.3	64.0	10 900 *							36.0
38.0	42.7	57.9	8 100 *	45.9	59.7	8 700 *	47.7	60.5	9 100 *	50.7	61.7	9 600 *	53.4	62.5	10 200 *							38.0
40.0	39.1	55.6	7 600 *	42.5	57.6	8 100 *	44.5	58.6	8 500 *	47.5	60.0	9 000 *	50.4	61.0	9 500 *							40.0
42.0	35.2	52.9	7 000 *	38.9	55.3	7 600 *	41.0	56.5	7 900 *	44.3	58.0	8 400 *	47.3	59.2	8 900 *	50.0	60.0	9 400 *				42.0
44.0	30.9	49.8	6 600 *	35.0	52.6	7 100 *	37.3	54.0	7 400 *	40.8	55.9	7 800 *	44.0	57.3	8 300 *	46.9	58.2	8 800 *				44.0
46.0	25.9	46.2	6 200 *	30.7	49.5	6 600 *	33.2	51.2	6 900 *	37.1	53.4	7 300 *	40.5	55.1	7 800 *	43.6	56.3	8 200 *	46.4	57.0	8 100	46.0
48.0	19.9	41.4	5 800 *	25.7	45.8	6 200 *	28.7	47.8	6 400 *	33.0	50.5	6 800 *	36.7	52.6	7 200 *	40.1	54.0	7 700 *	43.1	55.0	7 600	48.0
50.0	11.1	34.2	5 100 *	19.6	41.0	5 800 *	23.3	43.7	6 000 *	28.3	47.2	6 400 *	32.6	49.7	6 800 *	36.3	51.5	7 200 *	39.5	52.7	7 100	50.0
52.0				16.4	38.2	5 700 *	22.9	43.0	6 000 *	27.9	46.2	6 000 *	27.9	46.2	6 400 *	32.1	48.5	6 700 *	35.7	50.2	6 700	52.0
56.0													15.1	36.1	5 600 *	21.7	40.6	5 900 *	26.5	43.5	5 900	56.0
60.0																			12.4	32.2	5 200	60.0

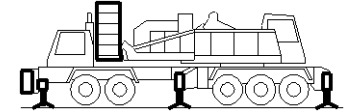


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



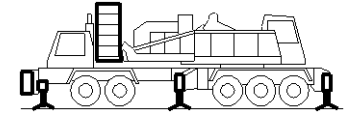
## 21.3m (70 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

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 Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.4	74.9	16 200 *																			15.2
16.0	74.5	74.7	15 800 *																			16.0
18.0	72.2	74.1	14 800 *																			18.0
20.0	69.8	73.5	13 800 *																			20.0
22.0	67.5	72.7	12 900 *	69.8	73.2	13 800 *																22.0
24.0	65.1	71.8	12 100 *	67.4	72.5	12 900 *																24.0
26.0	62.6	70.8	11 200 *	65.0	71.6	12 000 *	66.3	71.9	12 500 *													26.0
28.0	60.1	69.7	10 400 *	62.5	70.6	11 200 *	63.9	71.0	11 600 *													28.0
30.0	57.5	68.5	9 700 *	60.0	69.5	10 400 *	61.4	69.9	10 800 *													30.0
32.0	54.8	67.2	9 000 *	57.4	68.3	9 700 *	58.9	68.8	10 100 *	61.2	69.4	10 700 *										32.0
34.0	52.1	65.7	8 400 *	54.7	66.9	9 000 *	56.2	67.5	9 400 *	58.7	68.3	10 000 *										34.0
36.0	49.2	64.0	7 800 *	52.0	65.4	8 400 *	53.5	66.1	8 700 *	56.1	67.0	9 300 *										36.0
38.0	46.2	62.2	7 200 *	49.1	63.8	7 800 *	50.7	64.6	8 100 *	53.4	65.6	8 700 *	55.8	66.3	9 200 *							38.0
40.0	43.1	60.2	6 700 *	46.1	62.0	7 200 *	47.8	62.8	7 500 *	50.6	64.0	8 000 *	53.1	64.8	8 600 *							40.0
42.0	39.7	57.9	6 200 *	42.9	59.9	6 700 *	44.8	60.9	7 000 *	47.6	62.3	7 500 *	50.3	63.3	8 000 *							42.0
44.0	36.1	55.4	5 700 *	39.6	57.7	6 200 *	41.5	58.8	6 500 *	44.6	60.4	6 900 *	47.4	61.5	7 400 *	50.0	62.3	7 800 *				44.0
46.0	32.2	52.4	5 300 *	36.0	55.1	5 700 *	38.1	56.4	6 000 *	41.3	58.2	6 400 *	44.3	59.6	6 900 *	47.0	60.5	7 300 *				46.0
48.0	27.8	49.0	4 800 *	32.0	52.1	5 300 *	34.3	53.7	5 600 *	37.8	55.8	6 000 *	41.0	57.4	6 400 *	43.9	58.6	6 800 *	46.6	59.3	7 200 *	48.0
50.0	22.6	44.7	4 300 *	27.6	48.6	4 800 *	30.2	50.5	5 100 *	34.1	53.0	5 500 *	37.5	55.0	5 900 *	40.6	56.4	6 300 *	43.4	57.3	6 700 *	50.0
52.0	15.8	38.9	3 900 *	22.3	44.3	4 300 *	25.4	46.7	4 600 *	29.9	49.8	5 000 *	33.7	52.2	5 500 *	37.1	53.9	5 900 *	40.1	55.1	6 200 *	52.0
56.0							11.4	34.7	3 700 *	19.2	41.1	4 100 *	24.7	45.0	4 500 *	29.0	47.7	5 000 *	32.7	49.7	5 300 *	56.0
60.0																17.8	38.5	4 000 *	23.2	42.1	4 400 *	60.0
64.0																			4.9	26.1	3 600 *	64.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
9.1	71.2	48.0	47 400 *b																			9.1
10.0	68.7	47.7	46 200 *b																			10.0
12.0	62.8	46.8	43 100 *b																			12.0
14.0	56.6	45.7	38 000 *	63.4	46.7	44 000 *b	67.2	47.1	45 100 *b													14.0
16.0	49.9	44.2	31 600 *	57.2	45.6	39 200 *	61.2	46.2	40 500 *b													16.0
18.0	42.4	42.3	26 900 *	50.5	44.1	32 200 *	54.9	44.9	35 600 *													18.0
20.0	33.7	39.7	23 400 *	43.2	42.2	27 400 *	48.0	43.3	30 500 *	55.3	44.5	30 700										20.0
22.0	22.3	35.9	20 000 *	34.6	39.8	23 800 *	40.3	41.3	26 100 *	48.5	42.9	27 200	55.6	43.9	26 100							22.0
24.0				23.5	36.2	20 700 *	31.1	38.5	22 700 *	40.9	40.9	24 300	48.8	42.3	23 200							24.0
26.0										31.8	38.2	21 900	41.2	40.3	20 900	48.9	41.5	20 000				26.0
28.0										19.3	34.0	19 800	32.2	37.6	19 000	41.3	39.5	18 200				28.0
30.0													20.0	33.6	17 400	32.3	36.8	16 600	41.0	38.4	15 900	30.0
32.0																20.1	32.7	15 300	32.0	35.7	14 600	32.0
34.0																			19.6	31.5	13 400	34.0



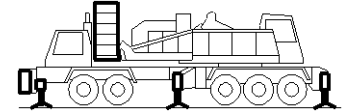


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



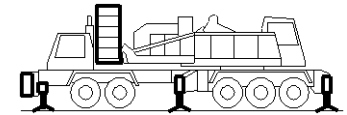
## 24.4m (80 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
9.1	73.6	51.2	43 400 *b																			9.1
10.0	71.5	51.0	42 400 *b																			10.0
12.0	66.4	50.2	40 000 *																			12.0
14.0	61.2	49.2	37 600 *	66.9	50.1	40 500 *b																14.0
16.0	55.7	48.0	31 700 *	61.7	49.1	37 800 *	65.1	49.6	39 400 *b													16.0
18.0	49.8	46.5	27 000 *	56.2	47.9	32 400 *	59.8	48.5	35 600 *													18.0
20.0	43.3	44.6	23 500 *	50.3	46.4	27 500 *	54.2	47.2	30 500 *	60.2	48.1	30 500										20.0
22.0	35.9	42.2	20 600 *	43.9	44.6	23 800 *	48.2	45.6	26 200 *	54.6	46.8	27 000										22.0
24.0	26.9	38.9	18 200 *	36.7	42.2	20 900 *	41.5	43.6	22 800 *	48.6	45.2	24 100	54.8	46.2	23 100							24.0
26.0				27.8	39.0	18 500 *	33.8	41.0	20 100 *	42.0	43.2	21 800	48.8	44.6	20 800							26.0
28.0							24.1	37.4	17 800 *	34.4	40.7	19 800	42.3	42.7	18 900	48.9	43.8	18 000				28.0
30.0										24.8	37.2	17 900	34.7	40.1	17 300	42.3	41.8	16 400				30.0
32.0										8.3	30.5	15 900 *	25.3	36.7	15 800	34.8	39.3	15 100	42.1	40.7	14 400	32.0
34.0																25.4	35.8	13 900	34.5	38.2	13 300	34.0
36.0																			25.0	34.7	12 300	36.0
38.0																			8.7	28.0	11 400	38.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



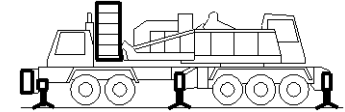
## 24.4m (80 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
9.1	75.5	54.4	39 000 *b																			9.1
10.0	73.6	54.2	38 000 *b																			10.0
12.0	69.2	53.5	35 600 *																			12.0
14.0	64.6	52.7	33 500 *	69.6	53.4	36 000 *b																14.0
16.0	59.9	51.6	31 200 *	65.1	52.5	33 900 *																16.0
18.0	55.0	50.3	27 400 *	60.4	51.5	32 000 *	63.4	52.0	33 200 *													18.0
20.0	49.7	48.8	23 600 *	55.4	50.2	27 700 *	58.7	50.9	30 900 *													20.0
22.0	44.0	46.9	20 700 *	50.2	48.7	24 000 *	53.6	49.5	26 400 *	59.0	50.5	26 900										22.0
24.0	37.6	44.6	18 400 *	44.5	46.9	21 100 *	48.3	47.9	23 000 *	54.0	49.1	24 000										24.0
26.0	30.0	41.6	16 400 *	38.2	44.6	18 700 *	42.4	45.9	20 200 *	48.6	47.5	21 700	54.2	48.5	20 700							26.0
28.0	20.2	37.3	14 500 *	30.8	41.7	16 700 *	35.7	43.5	18 000 *	42.8	45.6	19 600	48.9	46.9	18 800							28.0
30.0				21.3	37.6	14 900 *	27.8	40.2	16 100 *	36.2	43.2	18 000	43.0	45.0	17 100	48.9	46.1	16 300				30.0
32.0							16.8	35.4	14 400 *	28.4	40.0	16 300	36.5	42.6	15 700	43.1	44.1	15 000				32.0
34.0										17.7	35.3	14 600 *	28.8	39.5	14 500	36.6	41.7	13 800	42.9	43.0	13 100	34.0
36.0													18.3	34.9	13 400	28.8	38.6	12 800	36.3	40.6	12 100	36.0
38.0																18.4	34.0	11 900	28.5	37.5	11 300	38.0
40.0																			17.9	32.8	10 500	40.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



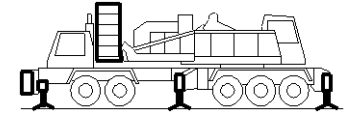
## 24.4m (80 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	74.0	57.2	34 500 *b																			10.7
12.0	71.4	56.7	33 200 *																			12.0
14.0	67.3	56.0	31 200 *																			14.0
16.0	63.2	55.1	29 300 *	67.7	55.9	31 500 *																16.0
18.0	58.9	54.0	27 000 *	63.6	55.0	29 700 *																18.0
20.0	54.4	52.6	23 600 *	59.3	53.9	27 800 *	62.1	54.4	29 000 *													20.0
22.0	49.6	51.1	20 700 *	54.8	52.6	24 000 *	57.7	53.2	26 600 *													22.0
24.0	44.5	49.2	18 400 *	50.1	51.0	21 000 *	53.2	51.8	22 900 *	58.0	52.8	23 900										24.0
26.0	38.8	47.0	16 500 *	45.0	49.2	18 700 *	48.3	50.2	20 200 *	53.5	51.5	21 500										26.0
28.0	32.4	44.2	14 800 *	39.4	47.0	16 700 *	43.1	48.3	18 000 *	48.7	49.8	19 500	53.7	50.8	18 600							28.0
30.0	24.5	40.5	13 300 *	33.0	44.3	15 000 *	37.2	45.9	16 100 *	43.4	47.9	17 800	48.9	49.2	17 000							30.0
32.0	12.6	34.5	11 400 *	25.3	40.7	13 500 *	30.5	42.9	14 500 *	37.7	45.6	16 300	43.7	47.3	15 600	48.9	48.4	14 800				32.0
34.0							22.0	38.9	13 100 *	31.0	42.6	14 600 *	37.9	45.0	14 400	43.7	46.5	13 600				34.0
36.0										22.6	38.7	13 200 *	31.3	42.1	13 300	38.0	44.1	12 600	43.5	45.3	12 000	36.0
38.0										8.7	31.5	11 900 *	23.0	38.2	12 300	31.3	41.2	11 700	37.7	43.0	11 100	38.0
40.0																23.1	37.4	10 900	31.1	40.1	10 300	40.0
42.0																			22.8	36.2	9 600	42.0
44.0																			9.0	29.1	9 000	44.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	75.5	60.3	32 000 *b																			10.7
12.0	73.1	59.9	30 800 *																			12.0
14.0	69.5	59.3	29 100 *																			14.0
16.0	65.8	58.4	27 400 *																			16.0
18.0	62.0	57.5	25 800 *	66.1	58.3	27 800 *																18.0
20.0	58.0	56.3	23 700 *	62.3	57.4	26 200 *	64.8	57.8	27 200 *													20.0
22.0	53.9	55.0	20 800 *	58.4	56.2	24 300 *	61.0	56.8	25 600 *													22.0
24.0	49.6	53.4	18 400 *	54.3	54.9	21 100 *	57.0	55.6	23 100 *													24.0
26.0	44.9	51.5	16 500 *	50.0	53.3	18 700 *	52.8	54.2	20 200 *	57.3	55.2	21 400										26.0
28.0	39.8	49.3	14 900 *	45.3	51.5	16 700 *	48.4	52.5	18 000 *	53.1	53.8	19 500										28.0
30.0	34.2	46.7	13 500 *	40.3	49.3	15 100 *	43.6	50.6	16 200 *	48.7	52.1	17 800	53.3	53.1	17 000							30.0
32.0	27.5	43.3	12 200 *	34.7	46.7	13 700 *	38.4	48.3	14 600 *	44.0	50.2	16 300	48.9	51.5	15 600							32.0
34.0	18.8	38.6	11 000 *	28.1	43.5	12 400 *	32.5	45.5	13 300 *	38.8	48.0	14 700 *	44.2	49.6	14 300	48.9	50.7	13 600				34.0
36.0				19.7	39.0	11 300 *	25.5	41.9	12 000 *	33.0	45.2	13 400 *	39.0	47.4	13 300	44.2	48.8	12 600				36.0
38.0							15.8	36.6	10 900 *	26.0	41.7	12 200 *	33.2	44.6	12 300	39.1	46.5	11 700	44.0	47.7	11 100	38.0
40.0										16.6	36.5	11 000 *	26.3	41.1	11 500	33.3	43.8	10 900	38.9	45.4	10 300	40.0
42.0													17.1	36.1	10 700	26.4	40.3	10 200	33.0	42.7	9 600	42.0
44.0																17.2	35.3	9 500	26.1	39.1	9 000	44.0
46.0																			16.8	34.0	8 400	46.0

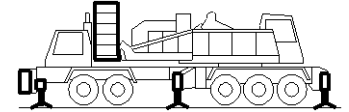


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



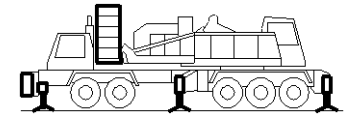
## 24.4m (80 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

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 Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	74.2	63.1	28 400 *																			12.2
14.0	71.3	62.5	26 900 *																			14.0
16.0	67.9	61.7	25 400 *																			16.0
18.0	64.5	60.9	23 900 *	68.2	61.6	25 600 *																18.0
20.0	61.0	59.8	22 500 *	64.8	60.8	24 200 *	67.0	61.1	25 000 *													20.0
22.0	57.3	58.7	20 800 *	61.3	59.7	22 800 *	63.6	60.2	23 700 *													22.0
24.0	53.5	57.3	18 400 *	57.7	58.6	21 000 *	60.0	59.1	22 400 *													24.0
26.0	49.5	55.7	16 500 *	53.9	57.2	18 600 *	56.4	57.9	20 200 *	60.3	58.7	21 300										26.0
28.0	45.3	53.8	14 800 *	49.9	55.6	16 700 *	52.5	56.5	18 000 *	56.6	57.5	19 300										28.0
30.0	40.7	51.7	13 400 *	45.7	53.8	15 000 *	48.4	54.8	16 100 *	52.8	56.1	17 600										30.0
32.0	35.6	49.1	12 200 *	41.1	51.7	13 600 *	44.1	52.9	14 500 *	48.7	54.4	16 200	52.9	55.5	15 400							32.0
34.0	29.8	46.0	11 100 *	36.1	49.2	12 400 *	39.4	50.7	13 200 *	44.4	52.5	14 700 *	48.9	53.8	14 200							34.0
36.0	22.7	42.0	10 200 *	30.4	46.1	11 300 *	34.2	48.0	12 000 *	39.7	50.3	13 300 *	44.6	51.9	13 100	48.9	53.0	12 400				36.0
38.0	12.2	35.6	8 800 *	23.4	42.2	10 300 *	28.1	44.7	10 900 *	34.5	47.7	12 100 *	39.9	49.7	12 200	44.6	51.1	11 500				38.0
40.0							20.5	40.2	10 000 *	28.5	44.4	11 100 *	34.8	47.1	11 300	40.0	48.9	10 700	44.5	50.0	10 100	40.0
42.0										21.1	40.1	10 100 *	28.8	43.9	10 600	34.8	46.3	10 000	39.8	47.8	9 400	42.0
44.0										8.9	32.6	9 200 *	21.4	39.6	9 900	28.9	43.0	9 400	34.6	45.1	8 800	44.0
46.0																21.5	38.8	8 800	28.6	41.9	8 300	46.0
48.0																			21.2	37.6	7 700	48.0
50.0																			9.2	30.2	7 200	50.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	75.5	66.2	22 600 *																			12.2
14.0	72.8	65.7	22 000 *																			14.0
16.0	69.7	65.0	21 400 *																			16.0
18.0	66.6	64.2	20 500 *																			18.0
20.0	63.4	63.3	19 300 *	66.9	64.1	20 700 *																20.0
22.0	60.1	62.2	18 200 *	63.7	63.2	19 500 *	65.8	63.6	20 200 *													22.0
24.0	56.7	61.0	17 200 *	60.4	62.1	18 400 *	62.6	62.6	19 100 *													24.0
26.0	53.2	59.6	16 300 *	57.0	60.9	17 400 *	59.2	61.5	18 000 *	62.8	62.2	19 000 *										26.0
28.0	49.5	58.0	14 900 *	53.5	59.5	16 400 *	55.8	60.2	17 100 *	59.5	61.1	18 000 *										28.0
30.0	45.6	56.2	13 500 *	49.8	57.9	15 100 *	52.2	58.8	16 100 *	56.0	59.8	17 100 *										30.0
32.0	41.3	54.0	12 200 *	45.9	56.1	13 700 *	48.5	57.1	14 600 *	52.5	58.4	16 100 *	56.2	59.2	15 200 *							32.0
34.0	36.8	51.6	11 200 *	41.7	54.0	12 400 *	44.5	55.2	13 200 *	48.7	56.7	14 800 *	52.6	57.7	14 000 *							34.0
36.0	31.6	48.6	10 200 *	37.2	51.6	11 300 *	40.2	53.0	12 000 *	44.8	54.8	13 400 *	48.9	56.1	13 000 *							36.0
38.0	25.6	45.0	9 300 *	32.1	48.7	10 300 *	35.5	50.5	11 000 *	40.5	52.7	12 200 *	44.9	54.2	12 100 *	48.9	55.3	11 400 *				38.0
40.0	17.7	39.9	8 500 *	26.2	45.1	9 500 *	30.1	47.3	10 100 *	35.8	50.1	11 100 *	40.7	52.1	11 200 *	45.0	53.4	10 600 *				40.0
42.0				18.6	40.3	8 700 *	23.8	43.4	9 200 *	30.5	47.1	10 200 *	36.0	49.6	10 500 *	40.7	51.2	9 900 *	44.8	52.3	9 300 *	42.0
44.0							15.1	37.7	8 400 *	24.2	43.2	9 300 *	30.8	46.5	9 800 *	36.1	48.7	9 200 *	40.6	50.1	8 700 *	44.0
46.0										15.8	37.7	8 500 *	24.5	42.7	9 200 *	30.8	45.7	8 600 *	35.9	47.6	8 100 *	46.0
48.0													16.2	37.3	8 600 *	24.6	41.9	8 100 *	30.6	44.5	7 600 *	48.0
50.0																16.3	36.5	7 600 *	24.3	40.7	7 100 *	50.0
52.0																			15.9	35.2	6 700 *	52.0

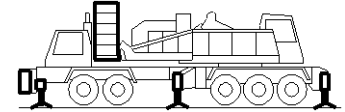


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



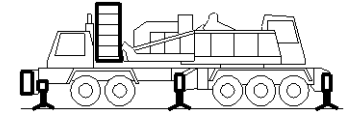
## 24.4m (80 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

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 Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.4	69.0	20 700 *																			13.7
14.0	74.0	68.9	20 600 *																			14.0
16.0	71.2	68.3	20 000 *																			16.0
18.0	68.3	67.5	18 900 *																			18.0
20.0	65.4	66.7	17 800 *	68.6	67.4	19 000 *																20.0
22.0	62.4	65.7	16 800 *	65.7	66.6	17 900 *																22.0
24.0	59.4	64.6	15 700 *	62.7	65.6	16 900 *	64.7	66.0	17 500 *													24.0
26.0	56.2	63.3	14 800 *	59.6	64.5	15 900 *	61.6	65.0	16 600 *													26.0
28.0	52.9	61.9	14 000 *	56.5	63.2	15 000 *	58.5	63.8	15 600 *	61.9	64.6	16 400 *										28.0
30.0	49.4	60.3	13 200 *	53.2	61.8	14 100 *	55.3	62.5	14 700 *	58.8	63.4	15 600 *										30.0
32.0	45.8	58.5	12 200 *	49.8	60.2	13 300 *	52.0	61.1	13 800 *	55.6	62.1	14 700 *										32.0
34.0	41.9	56.4	11 100 *	46.1	58.4	12 300 *	48.5	59.4	13 000 *	52.2	60.7	13 900 *	55.7	61.5	13 800							34.0
36.0	37.7	54.0	10 100 *	42.3	56.4	11 200 *	44.8	57.5	11 900 *	48.8	59.0	13 100 *	52.4	60.1	12 800							36.0
38.0	33.1	51.2	9 300 *	38.1	54.0	10 200 *	40.9	55.4	10 900 *	45.1	57.2	12 100 *	48.9	58.4	11 900							38.0
40.0	27.8	47.8	8 500 *	33.6	51.2	9 400 *	36.6	52.9	10 000 *	41.2	55.0	11 000 *	45.2	56.6	11 000	48.9	57.6	10 400				40.0
42.0	21.3	43.4	7 800 *	28.3	47.9	8 600 *	31.8	49.9	9 100 *	36.9	52.6	10 100 *	41.3	54.4	10 300	45.3	55.7	9 700				42.0
44.0	12.0	36.7	6 800 *	22.0	43.7	7 900 *	26.3	46.3	8 400 *	32.1	49.7	9 200 *	37.1	52.0	9 600	41.3	53.6	9 000	45.1	54.6	8 500	44.0
46.0							19.3	41.6	7 700 *	26.7	46.1	8 500 *	32.4	49.1	9 000	37.1	51.1	8 400	41.2	52.5	7 900	46.0
48.0										19.9	41.5	7 800 *	26.9	45.6	8 500	32.4	48.3	7 900	36.9	50.0	7 400	48.0
50.0										9.1	33.7	7 100 *	20.2	41.0	7 900	27.0	44.7	7 500	32.2	47.1	7 000	50.0
52.0																20.2	40.2	7 000	26.8	43.6	6 500	52.0
56.0																			9.4	31.3	5 800	56.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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 Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.5	72.1	19 400 *																			13.7
14.0	75.1	72.0	19 300 *																			14.0
16.0	72.5	71.5	18 600 *																			16.0
18.0	69.9	70.8	17 500 *																			18.0
20.0	67.2	70.0	16 500 *	70.1	70.7	17 600 *																20.0
22.0	64.4	69.1	15 400 *	67.4	69.9	16 500 *																22.0
24.0	61.6	68.1	14 500 *	64.7	69.0	15 600 *	66.5	69.4	16 100 *													24.0
26.0	58.7	66.9	13 600 *	61.9	68.0	14 700 *	63.7	68.4	15 200 *													26.0
28.0	55.7	65.6	12 800 *	59.0	66.8	13 800 *	60.9	67.4	14 300 *													28.0
30.0	52.6	64.2	12 000 *	56.0	65.6	12 900 *	57.9	66.2	13 500 *	61.0	66.9	14 300 *										30.0
32.0	49.4	62.6	11 200 *	52.9	64.1	12 100 *	54.9	64.9	12 700 *	58.1	65.8	13 400 *										32.0
34.0	46.0	60.8	10 600 *	49.7	62.5	11 400 *	51.8	63.4	11 900 *	55.1	64.5	12 600 *										34.0
36.0	42.4	58.7	10 000 *	46.3	60.7	10 700 *	48.6	61.7	11 200 *	52.0	63.0	11 900 *	55.3	63.8	12 600 *							36.0
38.0	38.6	56.4	9 300 *	42.8	58.7	10 100 *	45.1	59.8	10 500 *	48.8	61.3	11 200 *	52.2	62.4	11 800 *							38.0
40.0	34.4	53.7	8 500 *	38.9	56.4	9 400 *	41.5	57.7	9 900 *	45.3	59.5	10 500 *	48.9	60.7	11 000	52.2	61.5	10 300				40.0
42.0	29.6	50.5	7 800 *	34.8	53.7	8 600 *	37.5	55.3	9 200 *	41.7	57.4	9 900 *	45.5	58.9	10 300	48.9	59.9	9 600				42.0
44.0	24.1	46.5	7 200 *	30.1	50.6	7 900 *	33.2	52.5	8 400 *	37.8	55.0	9 200 *	41.9	56.8	9 600	45.5	58.0	9 000				44.0
46.0	16.9	41.2	6 600 *	24.6	46.7	7 300 *	28.3	49.1	7 800 *	33.5	52.2	8 500 *	38.0	54.4	9 000	41.9	55.9	8 400	45.4	56.9	7 900	46.0
48.0				17.7	41.5	6 700 *	22.4	44.9	7 100 *	28.6	48.8	7 800 *	33.7	51.6	8 400	38.0	53.5	7 900	41.8	54.8	7 400	48.0
50.0							14.5	38.9	6 500 *	22.9	44.7	7 200 *	28.8	48.3	7 900	33.7	50.8	7 400	37.8	52.4	6 900	50.0
52.0										15.2	38.9	6 600 *	23.1	44.2	7 300 *	28.9	47.5	6 900	33.5	49.6	6 500	52.0
56.0																15.6	37.7	6 100	22.9	42.2	5 700	56.0



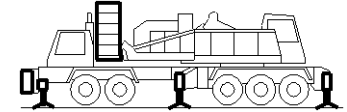


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



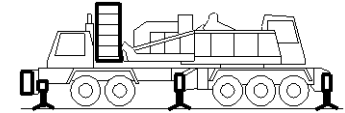
## 24.4m (80 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.6	74.9	17 500 *																			15.2
16.0	73.6	74.7	17 100 *																			16.0
18.0	71.2	74.0	16 000 *																			18.0
20.0	68.7	73.3	15 000 *																			20.0
22.0	66.1	72.4	14 100 *	68.9	73.2	15 100 *																22.0
24.0	63.5	71.5	13 200 *	66.4	72.3	14 200 *																24.0
26.0	60.9	70.4	12 300 *	63.8	71.4	13 300 *	65.4	71.8	13 800 *													26.0
28.0	58.1	69.3	11 500 *	61.1	70.4	12 400 *	62.8	70.8	13 000 *													28.0
30.0	55.3	68.0	10 700 *	58.4	69.2	11 600 *	60.2	69.7	12 100 *													30.0
32.0	52.4	66.5	10 000 *	55.6	67.9	10 800 *	57.4	68.5	11 300 *	60.3	69.3	12 100 *										32.0
34.0	49.4	64.9	9 400 *	52.7	66.4	10 100 *	54.6	67.2	10 600 *	57.6	68.1	11 300 *										34.0
36.0	46.2	63.1	8 700 *	49.7	64.8	9 400 *	51.6	65.7	9 900 *	54.8	66.8	10 600 *										36.0
38.0	42.9	61.0	8 100 *	46.5	63.0	8 800 *	48.6	64.0	9 200 *	51.8	65.3	9 900 *	54.9	66.2	10 600 *							38.0
40.0	39.3	58.7	7 600 *	43.2	61.0	8 200 *	45.4	62.2	8 600 *	48.8	63.6	9 300 *	52.0	64.7	9 900 *							40.0
42.0	35.4	56.1	7 100 *	39.6	58.8	7 700 *	42.0	60.1	8 000 *	45.6	61.8	8 600 *	48.9	63.0	9 300 *							42.0
44.0	31.1	53.1	6 600 *	35.8	56.2	7 200 *	38.3	57.7	7 500 *	42.2	59.7	8 100 *	45.7	61.2	8 700 *	48.9	62.2	8 800				44.0
46.0	26.2	49.4	6 200 *	31.5	53.2	6 700 *	34.3	55.0	7 000 *	38.6	57.3	7 500 *	42.3	59.1	8 100 *	45.7	60.3	8 200				46.0
48.0	20.3	44.8	5 800 *	26.7	49.6	6 300 *	29.9	51.8	6 500 *	34.6	54.7	7 100 *	38.7	56.8	7 500 *	42.4	58.3	7 700	45.6	59.2	7 200	48.0
50.0	11.8	37.8	5 300 *	20.9	45.0	5 900 *	24.8	47.9	6 100 *	30.2	51.5	6 600 *	34.8	54.1	7 000 *	38.7	55.9	7 200	42.2	57.2	6 700	50.0
52.0							18.4	42.9	5 800 *	25.2	47.7	6 200 *	30.4	51.0	6 600 *	34.8	53.2	6 800	38.6	54.8	6 300	52.0
56.0										9.3	34.8	5 500 *	19.2	42.3	5 800 *	25.5	46.4	6 000	30.3	49.0	5 600	56.0
60.0																			19.0	40.3	4 900	60.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



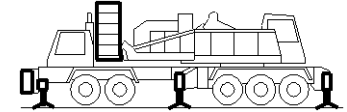
## 24.4m (80 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

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 Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.5	78.0	16 100 *																			15.2
16.0	74.6	77.8	15 700 *																			16.0
18.0	72.3	77.2	14 800 *																			18.0
20.0	70.0	76.5	13 800 *																			20.0
22.0	67.6	75.8	12 900 *	70.2	76.4	13 900 *																22.0
24.0	65.2	74.9	12 100 *	67.8	75.6	13 000 *																24.0
26.0	62.7	73.9	11 300 *	65.4	74.8	12 200 *	67.0	75.1	12 700 *													26.0
28.0	60.2	72.8	10 500 *	63.0	73.8	11 300 *	64.6	74.2	11 800 *													28.0
30.0	57.6	71.6	9 700 *	60.4	72.7	10 600 *	62.1	73.2	11 100 *													30.0
32.0	55.0	70.3	9 100 *	57.9	71.5	9 800 *	59.5	72.1	10 300 *	62.2	72.8	11 000 *										32.0
34.0	52.2	68.8	8 400 *	55.2	70.2	9 100 *	56.9	70.9	9 600 *	59.7	71.7	10 300 *										34.0
36.0	49.4	67.2	7 800 *	52.5	68.7	8 500 *	54.3	69.5	8 900 *	57.1	70.5	9 600 *										36.0
38.0	46.4	65.4	7 200 *	49.6	67.1	7 900 *	51.5	68.0	8 300 *	54.4	69.1	8 900 *										38.0
40.0	43.2	63.4	6 700 *	46.7	65.3	7 300 *	48.6	66.3	7 700 *	51.7	67.6	8 300 *	54.6	68.5	8 900 *							40.0
42.0	39.9	61.1	6 200 *	43.5	63.3	6 800 *	45.6	64.5	7 100 *	48.8	65.9	7 700 *	51.8	67.0	8 300 *							42.0
44.0	36.3	58.5	5 800 *	40.2	61.1	6 300 *	42.4	62.4	6 600 *	45.8	64.1	7 200 *	48.9	65.3	7 700 *							44.0
46.0	32.4	55.6	5 300 *	36.7	58.6	5 800 *	39.0	60.1	6 100 *	42.6	62.0	6 600 *	45.9	63.5	7 200 *	48.9	64.5	7 700 *				46.0
48.0	28.0	52.2	4 900 *	32.8	55.7	5 400 *	35.3	57.4	5 700 *	39.2	59.7	6 200 *	42.8	61.4	6 700 *	45.9	62.6	7 100 *				48.0
50.0	22.9	48.0	4 400 *	28.4	52.3	4 900 *	31.3	54.4	5 200 *	35.6	57.1	5 700 *	39.4	59.1	6 200 *	42.8	60.6	6 600 *	45.8	61.5	6 600	50.0
52.0	16.3	42.4	3 900 *	23.4	48.2	4 400 *	26.8	50.8	4 700 *	31.6	54.1	5 300 *	35.8	56.5	5 700 *	39.4	58.3	6 200 *	42.7	59.5	6 200	52.0
56.0							14.1	40.0	3 800 *	21.7	46.1	4 300 *	27.3	50.0	4 800 *	31.8	52.7	5 300 *	35.7	54.6	5 400	56.0
60.0													15.0	39.7	3 900 *	22.0	44.8	4 300 *	27.2	48.0	4 700	60.0
64.0																			14.8	37.6	3 900 *	64.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



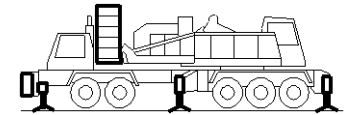
## 27.4m (90 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
9.1	71.5	51.1	47 100 *b																			9.1
10.0	69.0	50.8	45 900 *b																			10.0
12.0	63.1	49.9	42 900 *b																			12.0
14.0	56.9	48.8	38 500 *	64.5	49.9	44 400 *b																14.0
16.0	50.3	47.3	31 900 *	58.4	48.8	39 800 *	62.9	49.4	39 800 *b													16.0
18.0	42.9	45.4	27 200 *	51.8	47.5	33 400 *	56.6	48.3	35 400 *													18.0
20.0	34.2	42.9	23 600 *	44.6	45.7	28 300 *	49.9	46.8	31 500 *	57.9	48.0	30 300										20.0
22.0	23.0	39.2	20 300 *	36.3	43.3	24 400 *	42.5	44.9	27 300 *	51.3	46.5	26 900										22.0
24.0				25.9	40.0	21 300 *	33.8	42.3	23 600 *	44.0	44.7	24 000	52.4	46.0	22 800							24.0
26.0							22.3	38.6	20 600 *	35.6	42.3	21 600	45.3	44.3	20 500							26.0
28.0										25.0	38.9	19 700	37.1	42.0	18 700	46.3	43.6	17 700				28.0
30.0													27.0	38.8	17 100	38.3	41.4	16 200				30.0
32.0													10.1	32.9	15 600	28.5	38.3	14 900	39.0	40.4	14 100	32.0
34.0																			29.4	37.5	13 000	34.0
36.0																			15.3	32.6	12 000	36.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
9.1	73.8	54.3	43 000 *b																			9.1
10.0	71.7	54.1	42 000 *b																			10.0
12.0	66.7	53.3	39 800 *																			12.0
14.0	61.5	52.3	37 500 *	67.9	53.3	40 600 *b																14.0
16.0	56.0	51.1	32 100 *	62.7	52.3	38 500 *																16.0
18.0	50.1	49.6	27 300 *	57.2	51.2	33 600 *	61.2	51.8	35 100 *													18.0
20.0	43.7	47.7	23 700 *	51.5	49.8	28 300 *	55.7	50.6	31 300 *	62.3	51.5	30 100										20.0
22.0	36.3	45.4	20 800 *	45.2	48.0	24 500 *	49.8	49.1	27 300 *	56.8	50.3	26 700										22.0
24.0	27.4	42.1	18 400 *	38.1	45.7	21 500 *	43.3	47.2	23 700 *	51.0	48.8	23 800										24.0
26.0				29.6	42.7	18 900 *	36.0	44.8	20 800 *	44.7	47.0	21 500	52.0	48.3	20 400							26.0
28.0				18.0	38.2	16 500 *	27.0	41.5	18 400 *	37.5	44.7	19 500	45.8	46.6	18 500							28.0
30.0							13.2	36.0	15 800 *	28.9	41.7	17 800	38.8	44.4	16 900	46.6	45.9	16 000				30.0
32.0										16.8	36.9	16 400	30.5	41.5	15 500	39.8	43.7	14 700	47.1	44.9	13 900	32.0
34.0													19.4	37.2	14 300	31.7	41.0	13 500	40.4	42.8	12 800	34.0
36.0																21.1	37.0	12 500	32.4	40.1	11 800	36.0
38.0																			22.2	36.2	11 000	38.0

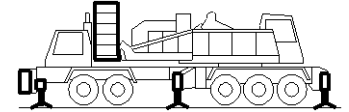


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



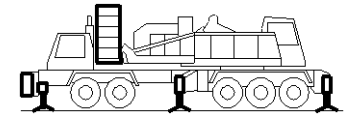
## 27.4m (90 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
9.1	75.7	57.5	38 600 *b																			9.1
10.0	73.8	57.2	37 700 *b																			10.0
12.0	69.4	56.6	35 500 *																			12.0
14.0	64.9	55.7	33 400 *																			14.0
16.0	60.2	54.7	31 300 *	65.9	55.7	34 100 *																16.0
18.0	55.2	53.4	27 700 *	61.3	54.7	32 200 *	64.7	55.2	33 600 *													18.0
20.0	50.0	51.9	23 900 *	56.4	53.5	28 600 *	60.0	54.2	31 200 *													20.0
22.0	44.3	50.1	20 900 *	51.2	52.1	24 700 *	55.0	52.9	27 600 *	60.9	53.9	26 600										22.0
24.0	37.9	47.8	18 500 *	45.6	50.3	21 600 *	49.7	51.4	23 800 *	56.0	52.6	23 700										24.0
26.0	30.5	44.8	16 600 *	39.4	48.1	19 100 *	44.0	49.5	21 000 *	50.8	51.2	21 400	56.8	52.1	20 200							26.0
28.0	20.8	40.7	14 700 *	32.3	45.3	17 100 *	37.6	47.2	18 600 *	45.2	49.3	19 400	51.7	50.7	18 400							28.0
30.0				23.3	41.5	15 300 *	30.1	44.2	16 600 *	38.9	47.1	17 700	46.1	48.9	16 800							30.0
32.0				7.6	34.3	12 800 *	20.3	40.0	14 900 *	31.7	44.3	16 300	40.0	46.8	15 400	46.9	48.2	14 600				32.0
34.0										22.5	40.4	15 000	33.0	44.1	14 200	40.9	46.1	13 400				34.0
36.0													24.3	40.4	13 200	34.0	43.5	12 400	41.4	45.1	11 700	36.0
38.0													10.1	33.9	12 200	25.6	40.0	11 500	34.6	42.6	10 900	38.0
40.0																			26.4	39.2	10 100	40.0
42.0																			14.3	33.8	9 400	42.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



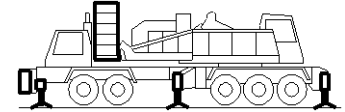
## 27.4m (90 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	74.2	60.2	34 200 *b																			10.7
12.0	71.6	59.8	33 100 *																			12.0
14.0	67.6	59.1	31 100 *																			14.0
16.0	63.4	58.2	29 300 *	68.5	59.0	31 700 *																16.0
18.0	59.1	57.1	27 300 *	64.4	58.2	29 900 *																18.0
20.0	54.6	55.8	23 800 *	60.1	57.1	28 100 *	63.2	57.7	29 400 *													20.0
22.0	49.9	54.2	20 900 *	55.7	55.8	24 700 *	58.9	56.5	27 400 *													22.0
24.0	44.8	52.4	18 500 *	51.0	54.4	21 600 *	54.4	55.2	23 800 *	59.8	56.2	23 500										24.0
26.0	39.1	50.2	16 600 *	46.0	52.6	19 100 *	49.6	53.7	20 900 *	55.3	55.0	21 200										26.0
28.0	32.7	47.4	14 900 *	40.5	50.5	17 000 *	44.5	51.8	18 600 *	50.6	53.5	19 200	56.1	54.4	18 200							28.0
30.0	24.9	43.7	13 400 *	34.3	47.8	15 300 *	38.9	49.6	16 600 *	45.6	51.7	17 600	51.4	53.0	16 600							30.0
32.0	13.5	38.0	11 600 *	26.9	44.5	13 800 *	32.4	46.8	14 900 *	40.0	49.5	16 100	46.4	51.2	15 200	52.0	52.2	14 300				32.0
34.0				16.7	39.5	12 300 *	24.5	43.1	13 500 *	33.8	46.8	14 900	41.0	49.1	14 100	47.1	50.5	13 200				34.0
36.0							12.7	37.2	11 900 *	26.2	43.4	13 700	34.9	46.5	13 000	41.7	48.5	12 200				36.0
38.0										15.7	38.1	12 500 *	27.6	43.3	12 100	35.7	46.0	11 400	42.2	47.5	10 700	38.0
40.0													17.9	38.5	11 200	28.7	42.8	10 600	36.3	45.0	9 900	40.0
42.0																19.4	38.3	9 900	29.3	41.9	9 200	42.0
44.0																			20.3	37.6	8 600	44.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



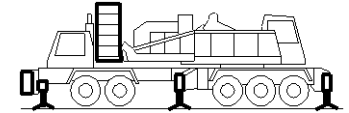
## 27.4m (90 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	75.7	63.4	31 700 *b																			10.7
12.0	73.3	63.0	30 600 *																			12.0
14.0	69.7	62.3	29 000 *																			14.0
16.0	66.0	61.5	27 400 *																			16.0
18.0	62.2	60.6	25 800 *	66.8	61.5	27 900 *																18.0
20.0	58.3	59.4	23 900 *	63.1	60.6	26 400 *	65.8	61.0	27 400 *													20.0
22.0	54.1	58.1	21 000 *	59.2	59.5	24 600 *	62.0	60.1	26 000 *													22.0
24.0	49.8	56.5	18 600 *	55.1	58.2	21 700 *	58.1	58.9	23 900 *													24.0
26.0	45.2	54.7	16 600 *	50.8	56.7	19 200 *	53.9	57.5	21 000 *	58.9	58.6	21 100										26.0
28.0	40.1	52.5	15 000 *	46.2	54.9	17 100 *	49.6	56.0	18 600 *	54.8	57.3	19 200										28.0
30.0	34.5	49.9	13 600 *	41.3	52.8	15 400 *	44.9	54.1	16 700 *	50.5	55.7	17 500	55.5	56.7	16 500							30.0
32.0	27.9	46.6	12 300 *	35.8	50.3	13 900 *	39.9	51.9	15 000 *	45.9	54.0	16 100	51.2	55.3	15 200							32.0
34.0	19.3	42.0	11 100 *	29.5	47.2	12 700 *	34.2	49.3	13 600 *	40.9	51.8	14 900	46.7	53.5	14 000	51.8	54.5	13 200				34.0
36.0				21.5	43.0	11 500 *	27.5	45.9	12 300 *	35.4	49.3	13 800	41.8	51.5	13 000	47.3	52.8	12 200				36.0
38.0				8.1	35.4	9 900 *	18.8	41.3	11 200 *	28.9	46.1	12 700	36.3	49.0	12 100	42.4	50.8	11 300				38.0
40.0										20.8	41.8	11 500 *	30.1	45.9	11 200	37.1	48.4	10 600	42.9	49.8	9 900	40.0
42.0													22.4	41.9	10 500	31.0	45.4	9 900	37.6	47.4	9 200	42.0
44.0													10.1	35.0	9 800	23.5	41.5	9 200	31.5	44.5	8 600	44.0
46.0																			24.2	40.7	8 100	46.0
48.0																			13.7	34.9	7 500	48.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	74.4	66.1	28 200 *																			12.2
14.0	71.4	65.6	26 800 *																			14.0
16.0	68.1	64.8	25 300 *																			16.0
18.0	64.7	64.0	23 900 *	68.9	64.8	25 700 *																18.0
20.0	61.2	63.0	22 600 *	65.5	64.0	24 300 *																20.0
22.0	57.5	61.8	21 000 *	62.0	63.0	23 000 *	64.5	63.5	23 900 *													22.0
24.0	53.7	60.4	18 500 *	58.4	61.8	21 400 *	61.0	62.4	22 700 *													24.0
26.0	49.7	58.8	16 600 *	54.6	60.5	19 100 *	57.3	61.2	20 900 *	61.7	62.1	21 000										26.0
28.0	45.5	57.0	14 900 *	50.6	59.0	17 000 *	53.5	59.9	18 600 *	58.1	60.9	19 000										28.0
30.0	40.9	54.9	13 500 *	46.5	57.2	15 300 *	49.5	58.3	16 600 *	54.3	59.6	17 400										30.0
32.0	35.9	52.3	12 300 *	42.0	55.2	13 900 *	45.3	56.4	15 000 *	50.3	58.0	15 900	54.9	59.1	15 000							32.0
34.0	30.1	49.3	11 200 *	37.1	52.7	12 600 *	40.7	54.3	13 600 *	46.1	56.3	14 700	51.0	57.6	13 800							34.0
36.0	23.1	45.3	10 200 *	31.5	49.8	11 500 *	35.6	51.7	12 300 *	41.6	54.2	13 600	46.9	55.8	12 800							36.0
38.0	13.0	39.1	8 900 *	24.8	46.0	10 500 *	29.8	48.6	11 300 *	36.7	51.7	12 600	42.4	53.8	11 900	47.4	55.1	11 200				38.0
40.0				15.8	40.7	9 500 *	22.7	44.6	10 300 *	31.0	48.7	11 500 *	37.5	51.4	11 000	43.0	53.1	10 400				40.0
42.0							12.3	38.2	9 200 *	24.3	44.9	10 500 *	32.0	48.5	10 300	38.2	50.8	9 700	43.4	52.1	9 000	42.0
44.0										14.9	39.3	9 600 *	25.5	44.9	9 700	32.8	48.0	9 000	38.6	49.8	8 400	44.0
46.0													16.8	39.7	9 000	26.5	44.5	8 400	33.3	47.1	7 900	46.0
48.0																18.2	39.6	7 900	27.0	43.6	7 400	48.0
50.0																			19.0	38.9	6 900	50.0



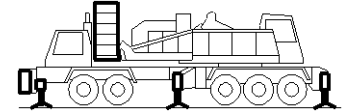


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



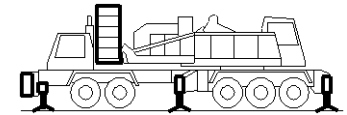
**27.4m (90 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib**

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 Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	75.6	69.3	22 300 *																			12.2
14.0	72.9	68.8	21 800 *																			14.0
16.0	69.9	68.1	21 200 *																			16.0
18.0	66.8	67.3	20 400 *																			18.0
20.0	63.6	66.4	19 300 *	67.5	67.3	20 800 *																20.0
22.0	60.3	65.3	18 300 *	64.3	66.4	19 700 *	66.6	66.8	20 400 *													22.0
24.0	56.9	64.1	17 200 *	61.0	65.3	18 600 *	63.4	65.9	19 300 *													24.0
26.0	53.4	62.7	16 300 *	57.7	64.2	17 600 *	60.1	64.8	18 300 *													26.0
28.0	49.7	61.1	15 000 *	54.2	62.8	16 600 *	56.7	63.6	17 300 *	60.8	64.5	18 300 *										28.0
30.0	45.8	59.3	13 600 *	50.5	61.3	15 400 *	53.2	62.2	16 400 *	57.4	63.3	17 200										30.0
32.0	41.6	57.2	12 300 *	46.7	59.5	13 900 *	49.5	60.6	15 000 *	53.9	61.9	15 800	58.0	62.7	14 900							32.0
34.0	37.0	54.8	11 200 *	42.5	57.5	12 600 *	45.6	58.7	13 600 *	50.2	60.3	14 500	54.5	61.4	13 700							34.0
36.0	31.9	51.8	10 300 *	38.1	55.1	11 500 *	41.4	56.6	12 300 *	46.4	58.6	13 500	50.9	59.9	12 700							36.0
38.0	25.9	48.2	9 400 *	33.1	52.3	10 500 *	36.8	54.2	11 300 *	42.2	56.5	12 500	47.0	58.1	11 700							38.0
40.0	18.2	43.3	8 500 *	27.4	48.9	9 600 *	31.6	51.2	10 300 *	37.7	54.1	11 600 *	42.9	56.1	10 900	47.5	57.4	10 200				40.0
42.0				20.2	44.3	8 800 *	25.6	47.6	9 400 *	32.7	51.3	10 500 *	38.5	53.8	10 200	43.5	55.4	9 500				42.0
44.0				8.5	36.5	7 700 *	17.8	42.5	8 600 *	26.9	47.8	9 700 *	33.6	51.0	9 500	39.1	53.2	8 900	43.8	54.5	8 300	44.0
46.0										19.5	43.1	8 900 *	27.9	47.7	8 900	34.3	50.5	8 400	39.5	52.2	7 800	46.0
48.0													20.9	43.3	8 400	28.7	47.2	7 800	34.7	49.6	7 200	48.0
50.0													10.1	36.1	7 900	22.0	43.0	7 300	29.2	46.3	6 800	50.0
52.0																			22.6	42.2	6 400	52.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



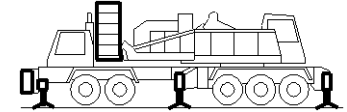
## 27.4m (90 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.6	72.0	20 500 *																			13.7
14.0	74.2	72.0	20 400 *																			14.0
16.0	71.4	71.3	19 800 *																			16.0
18.0	68.5	70.6	18 900 *																			18.0
20.0	65.6	69.8	17 800 *	69.1	70.6	19 100 *																20.0
22.0	62.6	68.8	16 800 *	66.2	69.7	18 100 *																22.0
24.0	59.5	67.7	15 800 *	63.3	68.8	17 100 *	65.4	69.3	17 700 *													24.0
26.0	56.4	66.4	14 900 *	60.2	67.7	16 100 *	62.5	68.3	16 700 *													26.0
28.0	53.1	65.0	14 000 *	57.1	66.5	15 200 *	59.4	67.2	15 800 *													28.0
30.0	49.6	63.4	13 200 *	53.8	65.1	14 300 *	56.2	65.9	14 900 *	60.0	66.8	15 900 *										30.0
32.0	46.0	61.6	12 200 *	50.4	63.6	13 500 *	52.9	64.5	14 100 *	56.8	65.6	15 000 *										32.0
34.0	42.1	59.5	11 100 *	46.8	61.8	12 600 *	49.5	62.9	13 300 *	53.6	64.2	14 200 *										34.0
36.0	38.0	57.2	10 200 *	43.0	59.8	11 400 *	45.8	61.1	12 300 *	50.2	62.7	13 300 *	54.1	63.7	12 500							36.0
38.0	33.4	54.4	9 300 *	38.9	57.5	10 400 *	42.0	59.0	11 200 *	46.6	60.9	12 300 *	50.7	62.2	11 600							38.0
40.0	28.1	51.0	8 600 *	34.4	54.8	9 600 *	37.8	56.6	10 200 *	42.7	58.8	11 400 *	47.2	60.4	10 700	51.2	61.4	10 000				40.0
42.0	21.7	46.7	7 900 *	29.4	51.6	8 800 *	33.1	53.8	9 400 *	38.6	56.5	10 400 *	43.4	58.4	10 000	47.6	59.7	9 300				42.0
44.0	12.6	40.2	6 900 *	23.3	47.6	8 000 *	27.8	50.4	8 600 *	34.1	53.8	9 600 *	39.3	56.2	9 400	43.9	57.7	8 700				44.0
46.0				15.1	41.8	7 300 *	21.4	46.0	7 900 *	28.9	50.5	8 800 *	34.9	53.5	8 800	39.9	55.5	8 200	44.2	56.8	7 500	46.0
48.0							12.0	39.3	7 100 *	22.8	46.4	8 100 *	29.9	50.4	8 200	35.5	52.9	7 600	40.2	54.6	7 100	48.0
50.0										14.3	40.5	7 400 *	23.9	46.4	7 700	30.6	49.8	7 200	35.9	52.0	6 600	50.0
52.0													16.1	40.9	7 300	24.8	46.0	6 700	31.0	49.0	6 200	52.0
56.0																			18.0	40.2	5 500	56.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



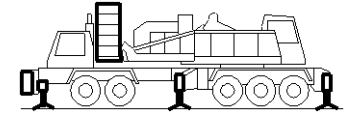
**27.4m (90 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib**

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.6	75.2	19 200 *																			13.7
14.0	75.3	75.1	19 200 *																			14.0
16.0	72.6	74.5	18 500 *																			16.0
18.0	70.0	73.9	17 400 *																			18.0
20.0	67.3	73.1	16 400 *	70.6	73.8	17 600 *																20.0
22.0	64.6	72.2	15 500 *	67.9	73.1	16 700 *																22.0
24.0	61.8	71.2	14 500 *	65.2	72.2	15 700 *																24.0
26.0	58.9	70.0	13 700 *	62.4	71.2	14 800 *	64.4	71.7	15 400 *													26.0
28.0	55.9	68.8	12 800 *	59.5	70.1	13 900 *	61.6	70.7	14 500 *													28.0
30.0	52.8	67.3	12 000 *	56.6	68.8	13 100 *	58.7	69.5	13 700 *													30.0
32.0	49.6	65.7	11 300 *	53.5	67.4	12 300 *	55.7	68.2	12 800 *	59.3	69.2	13 700 *										32.0
34.0	46.2	63.9	10 600 *	50.3	65.9	11 500 *	52.7	66.8	12 100 *	56.3	67.9	13 000 *										34.0
36.0	42.6	61.9	10 000 *	47.0	64.1	10 800 *	49.4	65.2	11 400 *	53.3	66.5	12 200 *										36.0
38.0	38.8	59.5	9 300 *	43.5	62.1	10 200 *	46.0	63.4	10 700 *	50.1	64.9	11 500 *	53.8	66.0	11 500							38.0
40.0	34.6	56.9	8 600 *	39.7	59.9	9 600 *	42.4	61.3	10 000 *	46.7	63.2	10 800 *	50.6	64.5	10 700							40.0
42.0	29.9	53.7	7 900 *	35.6	57.3	8 800 *	38.6	59.0	9 400 *	43.2	61.2	10 200 *	47.3	62.7	10 000	51.0	63.7	9 300				42.0
44.0	24.4	49.8	7 300 *	31.0	54.2	8 100 *	34.4	56.3	8 600 *	39.4	58.9	9 600 *	43.8	60.8	9 300	47.7	62.0	8 700				44.0
46.0	17.4	44.5	6 600 *	25.7	50.5	7 400 *	29.6	53.1	7 900 *	35.2	56.3	8 800 *	40.0	58.5	8 700	44.3	60.1	8 100				46.0
48.0				19.1	45.7	6 800 *	24.1	49.1	7 300 *	30.6	53.2	8 100 *	36.0	56.0	8 200	40.5	57.9	7 600	44.6	59.1	7 000	48.0
50.0				8.7	37.6	6 000 *	16.9	43.8	6 700 *	25.3	49.4	7 500 *	31.4	53.0	7 700	36.5	55.4	7 100	40.9	56.9	6 600	50.0
52.0										18.6	44.4	6 900 *	26.2	49.3	7 200	32.1	52.4	6 700	36.9	54.4	6 200	52.0
56.0													10.1	37.2	6 400	20.8	44.4	5 900	27.4	48.1	5 400	56.0
60.0																			12.8	37.2	4 800	60.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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 Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.7	77.9	17 400 *																			15.2
16.0	73.8	77.7	17 000 *																			16.0
18.0	71.3	77.1	16 000 *																			18.0
20.0	68.8	76.4	15 000 *																			20.0
22.0	66.3	75.5	14 100 *	69.4	76.3	15 200 *																22.0
24.0	63.7	74.6	13 200 *	66.8	75.5	14 300 *																24.0
26.0	61.0	73.6	12 300 *	64.2	74.6	13 400 *	66.1	75.1	14 000 *													26.0
28.0	58.3	72.4	11 500 *	61.6	73.6	12 600 *	63.5	74.1	13 100 *													28.0
30.0	55.5	71.1	10 800 *	58.9	72.4	11 800 *	60.9	73.1	12 300 *													30.0
32.0	52.6	69.6	10 100 *	56.1	71.2	11 000 *	58.1	71.9	11 600 *	61.4	72.7	12 400 *										32.0
34.0	49.6	68.0	9 400 *	53.2	69.7	10 300 *	55.3	70.6	10 800 *	58.7	71.6	11 600 *										34.0
36.0	46.4	66.2	8 800 *	50.2	68.2	9 600 *	52.4	69.1	10 100 *	55.9	70.3	10 900 *										36.0
38.0	43.0	64.2	8 200 *	47.1	66.4	9 000 *	49.4	67.5	9 400 *	53.0	68.8	10 200 *										38.0
40.0	39.5	61.9	7 700 *	43.8	64.4	8 400 *	46.2	65.7	8 800 *	50.0	67.2	9 500 *	53.5	68.3	10 200 *							40.0
42.0	35.6	59.3	7 100 *	40.3	62.2	7 800 *	42.9	63.6	8 200 *	46.9	65.5	8 900 *	50.5	66.8	9 600 *							42.0
44.0	31.4	56.3	6 700 *	36.5	59.7	7 300 *	39.3	61.3	7 700 *	43.6	63.5	8 300 *	47.4	65.0	9 000 *	50.9	66.0	8 500				44.0
46.0	26.5	52.7	6 200 *	32.4	56.8	6 800 *	35.4	58.7	7 100 *	40.0	61.3	7 800 *	44.1	63.1	8 400 *	47.8	64.3	7 900				46.0
48.0	20.6	48.1	5 900 *	27.7	53.3	6 400 *	31.2	55.7	6 700 *	36.2	58.7	7 200 *	40.6	60.9	7 900 *	44.6	62.4	7 400				48.0
50.0	12.4	41.3	5 300 *	22.1	49.0	6 000 *	26.3	52.0	6 300 *	32.0	55.8	6 800 *	36.9	58.4	7 300 *	41.1	60.2	6 900	44.8	61.4	6 400	50.0
52.0				14.6	43.0	5 600 *	20.3	47.4	5 900 *	27.3	52.2	6 400 *	32.8	55.5	6 800 *	37.4	57.8	6 500	41.4	59.3	6 000	52.0
56.0										13.9	41.6	5 600 *	22.7	47.9	6 000 *	28.8	51.6	5 700	33.7	54.0	5 200	56.0
60.0																16.6	42.1	5 100	23.9	46.8	4 600	60.0
64.0																			5.0	31.3	4 000	64.0

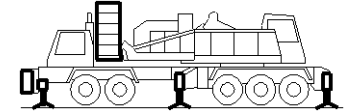


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



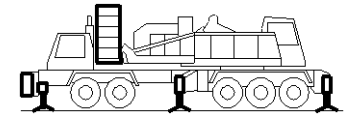
**27.4m (90 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib**

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.6	81.1	16 000 *																			15.2
16.0	74.7	80.9	15 600 *																			16.0
18.0	72.4	80.3	14 700 *																			18.0
20.0	70.1	79.6	13 800 *																			20.0
22.0	67.7	78.8	12 900 *																			22.0
24.0	65.3	78.0	12 100 *	68.3	78.8	13 100 *																24.0
26.0	62.9	77.0	11 300 *	65.9	78.0	12 300 *	67.6	78.4	12 800 *													26.0
28.0	60.3	75.9	10 500 *	63.4	77.0	11 500 *	65.2	77.5	12 000 *													28.0
30.0	57.8	74.7	9 800 *	60.9	76.0	10 700 *	62.7	76.5	11 200 *													30.0
32.0	55.1	73.4	9 100 *	58.3	74.8	10 000 *	60.2	75.4	10 500 *													32.0
34.0	52.4	71.9	8 500 *	55.7	73.5	9 300 *	57.6	74.2	9 800 *	60.7	75.1	10 500 *										34.0
36.0	49.5	70.3	7 800 *	53.0	72.1	8 600 *	55.0	72.9	9 100 *	58.2	73.9	9 900 *										36.0
38.0	46.5	68.5	7 300 *	50.2	70.5	8 000 *	52.2	71.4	8 500 *	55.5	72.6	9 200 *										38.0
40.0	43.4	66.5	6 800 *	47.2	68.7	7 400 *	49.4	69.8	7 900 *	52.8	71.2	8 500 *	56.0	72.1	9 200 *							40.0
42.0	40.1	64.3	6 300 *	44.1	66.8	6 900 *	46.4	68.0	7 300 *	49.9	69.6	8 000 *	53.2	70.6	8 600 *							42.0
44.0	36.5	61.7	5 800 *	40.9	64.6	6 400 *	43.3	66.0	6 800 *	47.0	67.8	7 400 *	50.4	69.1	8 000 *							44.0
46.0	32.6	58.8	5 400 *	37.3	62.1	5 900 *	39.9	63.7	6 300 *	43.9	65.8	6 900 *	47.5	67.3	7 400 *	50.8	68.3	7 800				46.0
48.0	28.3	55.4	4 900 *	33.5	59.3	5 500 *	36.3	61.2	5 800 *	40.6	63.6	6 400 *	44.4	65.4	6 900 *	47.9	66.6	7 300				48.0
50.0	23.2	51.3	4 400 *	29.3	56.0	5 000 *	32.4	58.2	5 400 *	37.1	61.1	5 900 *	41.2	63.2	6 400 *	44.8	64.7	6 800				50.0
52.0	16.7	45.8	3 900 *	24.4	52.1	4 500 *	28.0	54.8	4 800 *	33.2	58.3	5 400 *	37.7	60.8	6 000 *	41.6	62.6	6 400	45.1	63.7	5 900	52.0
56.0				8.9	38.7	3 700 *	16.3	45.0	3 900 *	24.0	51.0	4 500 *	29.7	54.8	5 100 *	34.4	57.5	5 600 *	38.5	59.2	5 100	56.0
60.0													19.0	46.0	4 100 *	25.6	50.5	4 600 *	30.6	53.4	4 500	60.0
64.0																11.7	38.6	3 800 *	20.4	45.0	3 900	64.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



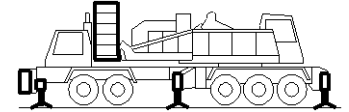
## 30.5m (100 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	67.4	53.7	44 700 *b																			10.7
12.0	63.5	53.0	42 700 *b																			12.0
14.0	57.3	51.9	39 100 *	65.6	53.1	41 900 *b																14.0
16.0	50.6	50.5	32 300 *	59.5	52.1	38 200 *b	64.4	52.7	37 700 *b													16.0
18.0	43.3	48.6	27 500 *	53.1	50.8	34 300 *	58.3	51.6	34 600 *													18.0
20.0	34.7	46.1	23 800 *	46.0	49.1	29 200 *	51.8	50.2	31 100 *	60.4	51.4	29 800 b										20.0
22.0	23.7	42.5	20 500 *	38.0	46.8	25 100 *	44.5	48.4	27 800 *	54.0	50.1	26 500										22.0
24.0				28.1	43.8	21 900 *	36.3	46.1	24 600 *	47.0	48.4	23 600										24.0
26.0							25.8	42.7	21 400 *	39.1	46.3	21 400	49.1	48.1	20 100							26.0
28.0										29.6	43.4	19 400	41.6	46.2	18 300	50.9	47.5	17 200				28.0
30.0										15.6	38.6	17 700	32.7	43.5	16 700	43.6	45.6	15 700				30.0
32.0													20.7	39.5	15 300	35.1	43.2	14 400	45.1	44.7	13 500	32.0
34.0																24.2	39.7	13 300	36.9	42.5	12 500	34.0
36.0																			26.7	39.2	11 500	36.0
38.0																			9.3	33.1	10 700	38.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



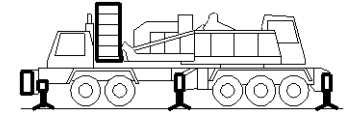
## 30.5m (100 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	70.3	56.9	41 000 *b																			10.7
12.0	67.0	56.4	39 600 *b																			12.0
14.0	61.8	55.4	37 400 *	68.8	56.4	40 500 *b																14.0
16.0	56.3	54.2	32 600 *	63.7	55.6	37 300 *b																16.0
18.0	50.4	52.7	27 600 *	58.3	54.5	34 000 *	62.6	55.1	33 800 *													18.0
20.0	44.0	50.9	23 900 *	52.6	53.1	29 200 *	57.2	54.0	30 800 *													20.0
22.0	36.8	48.5	20 900 *	46.4	51.4	25 200 *	51.4	52.5	27 600 *	59.0	53.7	26 300										22.0
24.0	28.0	45.4	18 500 *	39.5	49.2	22 000 *	45.1	50.7	24 600 *	53.4	52.4	23 500										24.0
26.0				31.4	46.4	19 400 *	38.0	48.5	21 500 *	47.2	50.7	21 200	55.1	52.0	19 900							26.0
28.0				20.6	42.3	17 100 *	29.6	45.5	19 000 *	40.5	48.7	19 200	49.1	50.4	18 100							28.0
30.0							17.9	40.9	16 900 *	32.6	46.0	17 600	42.5	48.5	16 500							30.0
32.0										22.3	42.1	16 100	35.0	46.0	15 100	44.3	48.0	14 200				32.0
34.0													25.7	42.6	14 000	37.1	45.6	13 100	45.6	47.1	12 200	34.0
36.0																28.4	42.5	12 100	38.6	44.9	11 300	36.0
38.0																15.8	37.6	11 200	30.3	41.9	10 500	38.0
40.0																			19.0	37.6	9 800	40.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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

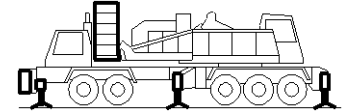
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	72.6	60.1	36 800 *b																			10.7
12.0	69.7	59.7	35 400 *b																			12.0
14.0	65.1	58.8	33 300 *																			14.0
16.0	60.4	57.8	31 400 *	66.8	58.9	34 300 *																16.0
18.0	55.5	56.6	28 000 *	62.1	58.0	32 500 *																18.0
20.0	50.3	55.0	24 100 *	57.3	56.8	29 500 *	61.2	57.5	30 200 *													20.0
22.0	44.6	53.2	21 100 *	52.2	55.4	25 400 *	56.3	56.3	27 600 *													22.0
24.0	38.3	51.0	18 700 *	46.7	53.7	22 200 *	51.2	54.8	24 700 *	58.0	56.1	23 400										24.0
26.0	30.9	48.0	16 700 *	40.6	51.6	19 600 *	45.6	53.0	21 700 *	52.9	54.7	21 000										26.0
28.0	21.4	44.0	14 800 *	33.7	48.9	17 500 *	39.4	50.8	19 200 *	47.4	53.0	19 100	54.4	54.3	18 000							28.0
30.0				25.2	45.4	15 600 *	32.2	48.1	17 100 *	41.5	51.0	17 400	49.1	52.7	16 400							30.0
32.0				12.1	39.5	13 600 *	23.2	44.3	15 300 *	34.7	48.5	16 100	43.3	50.8	15 100	50.5	52.1	14 100				32.0
34.0										26.5	45.1	14 800	36.8	48.4	13 900	44.8	50.3	13 000				34.0
36.0										14.5	39.7	13 700	29.1	45.3	12 800	38.5	48.0	12 000				36.0
38.0													18.8	40.8	11 900	31.2	45.1	11 100	39.9	47.2	10 400	38.0
40.0																21.9	41.1	10 400	32.8	44.5	9 700	40.0
42.0																			24.0	40.8	9 000	42.0
44.0																			9.5	34.2	8 400	44.0



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



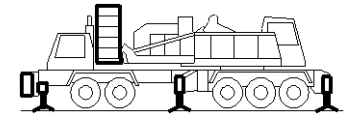
## 30.5m (100 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	74.4	63.3	33 900 *b																			10.7
12.0	71.8	62.9	32 900 *																			12.0
14.0	67.8	62.2	31 100 *																			14.0
16.0	63.6	61.3	29 200 *	69.2	62.2	31 900 *																16.0
18.0	59.4	60.2	27 400 *	65.1	61.4	30 100 *																18.0
20.0	54.9	58.9	24 000 *	60.9	60.3	28 400 *	64.3	60.9	29 500 *													20.0
22.0	50.1	57.3	21 100 *	56.5	59.1	25 500 *	60.1	59.9	27 300 *													22.0
24.0	45.1	55.5	18 700 *	51.9	57.7	22 200 *	55.6	58.6	24 600 *													24.0
26.0	39.5	53.3	16 700 *	46.9	56.0	19 600 *	50.9	57.1	21 600 *	57.1	58.4	20 900										26.0
28.0	33.1	50.6	15 000 *	41.5	53.9	17 400 *	45.9	55.3	19 200 *	52.5	57.0	18 900										28.0
30.0	25.4	47.0	13 500 *	35.5	51.4	15 700 *	40.4	53.2	17 100 *	47.6	55.3	17 300	53.9	56.6	16 200							30.0
32.0	14.3	41.5	11 700 *	28.4	48.2	14 100 *	34.2	50.6	15 400 *	42.3	53.3	15 900	49.1	55.0	14 900							32.0
34.0				19.0	43.6	12 700 *	26.8	47.2	13 900 *	36.3	50.9	14 600	43.9	53.1	13 700	50.3	54.4	12 800				34.0
36.0							16.6	42.2	12 500 *	29.4	47.8	13 600	38.2	50.8	12 700	45.2	52.6	11 800				36.0
38.0										20.5	43.5	12 600	31.6	48.0	11 800	39.7	50.4	11 000				38.0
40.0													23.4	44.1	11 000	33.4	47.7	10 200	40.9	49.6	9 400	40.0
42.0																25.7	44.2	9 500	34.7	47.0	8 800	42.0
44.0																14.9	38.7	8 900	27.4	43.7	8 200	44.0
46.0																			17.6	38.8	7 700	46.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



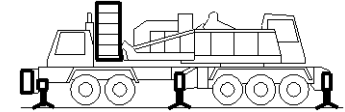
## 30.5m (100 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	75.8	66.5	31 400 *b																			10.7
12.0	73.5	66.1	30 400 *																			12.0
14.0	69.9	65.4	28 800 *																			14.0
16.0	66.2	64.6	27 300 *																			16.0
18.0	62.4	63.7	25 800 *	67.5	64.7	28 100 *																18.0
20.0	58.5	62.5	24 200 *	63.8	63.8	26 600 *	66.8	64.3	27 600 *													20.0
22.0	54.4	61.2	21 100 *	59.9	62.7	24 900 *	63.0	63.3	26 300 *													22.0
24.0	50.0	59.7	18 800 *	55.9	61.5	22 300 *	59.1	62.2	24 500 *													24.0
26.0	45.4	57.8	16 800 *	51.6	60.0	19 600 *	55.1	60.9	21 700 *	60.4	62.0	20 800 *										26.0
28.0	40.4	55.7	15 100 *	47.1	58.3	17 500 *	50.8	59.4	19 300 *	56.4	60.8	18 900 *										28.0
30.0	34.8	53.1	13 700 *	42.2	56.2	15 800 *	46.2	57.7	17 200 *	52.2	59.3	17 300 *										30.0
32.0	28.3	49.8	12 400 *	36.9	53.8	14 200 *	41.3	55.6	15 500 *	47.7	57.6	15 800 *	53.5	58.9	14 800 *							32.0
34.0	19.9	45.3	11 200 *	30.7	50.8	12 900 *	35.8	53.0	14 000 *	42.9	55.7	14 600 *	49.1	57.3	13 700 *							34.0
36.0				23.2	46.9	11 700 *	29.4	49.9	12 700 *	37.6	53.3	13 500 *	44.4	55.4	12 600 *	50.2	56.7	11 800 *				36.0
38.0				11.8	40.6	10 400 *	21.4	45.7	11 600 *	31.6	50.4	12 600 *	39.2	53.2	11 700 *	45.6	54.9	10 900 *				38.0
40.0										24.3	46.6	11 700 *	33.5	50.5	11 000 *	40.6	52.7	10 200 *	46.6	54.0	9 400 *	40.0
42.0										13.8	40.9	10 900 *	26.7	47.0	10 200 *	35.0	50.2	9 500 *	41.6	51.9	8 800 *	42.0
44.0													17.6	42.1	9 500 *	28.5	46.9	8 900 *	36.2	49.4	8 200 *	44.0
46.0																20.2	42.5	8 300 *	29.9	46.4	7 700 *	46.0
48.0																			22.1	42.3	7 200 *	48.0
50.0																			9.6	35.2	6 700 *	50.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



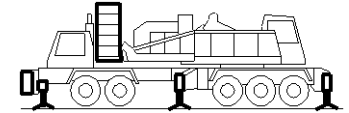
## 30.5m (100 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	74.6	69.2	27 900 *																			12.2
14.0	71.6	68.7	26 700 *																			14.0
16.0	68.3	67.9	25 200 *																			16.0
18.0	64.9	67.1	23 800 *																			18.0
20.0	61.4	66.1	22 500 *	66.1	67.2	24 500 *																20.0
22.0	57.7	64.9	21 100 *	62.6	66.2	23 200 *	65.4	66.7	24 100 *													22.0
24.0	53.9	63.5	18 700 *	59.0	65.1	21 900 *	61.9	65.7	22 900 *													24.0
26.0	50.0	62.0	16 700 *	55.3	63.8	19 600 *	58.3	64.6	21 700 *													26.0
28.0	45.7	60.1	15 100 *	51.4	62.3	17 400 *	54.6	63.2	19 200 *	59.5	64.4	18 700 *										28.0
30.0	41.2	58.0	13 600 *	47.3	60.6	15 700 *	50.6	61.7	17 100 *	55.8	63.1	17 100 *										30.0
32.0	36.2	55.5	12 400 *	42.8	58.6	14 200 *	46.4	60.0	15 400 *	51.9	61.6	15 600 *	56.9	62.6	14 600 *							32.0
34.0	30.4	52.5	11 300 *	38.0	56.2	12 900 *	41.9	57.9	14 000 *	47.8	60.0	14 500 *	53.1	61.2	13 500 *							34.0
36.0	23.5	48.6	10 300 *	32.6	53.4	11 700 *	37.0	55.5	12 700 *	43.5	58.0	13 400 *	49.1	59.6	12 500 *							36.0
38.0	13.7	42.6	9 000 *	26.2	49.8	10 700 *	31.4	52.5	11 500 *	38.7	55.7	12 400 *	44.8	57.7	11 600 *	50.1	59.0	10 700 *				38.0
40.0				17.8	44.9	9 700 *	24.8	48.8	10 600 *	33.3	52.9	11 600 *	40.1	55.6	10 800 *	45.9	57.2	10 000 *				40.0
42.0							15.7	43.4	9 600 *	27.1	49.5	10 800 *	35.0	53.0	10 000 *	41.3	55.1	9 300 *				42.0
44.0										19.1	44.8	10 000 *	29.1	49.8	9 400 *	36.4	52.6	8 700 *	42.3	54.3	8 000 *	44.0
46.0													21.8	45.6	8 800 *	30.7	49.6	8 100 *	37.4	51.9	7 500 *	46.0
48.0																23.8	45.7	7 600 *	31.9	49.0	7 000 *	48.0
50.0																14.2	39.9	7 100 *	25.3	45.3	6 600 *	50.0
52.0																			16.6	40.1	6 200 *	52.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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 Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	75.8	72.4	22 000 *																			12.2
14.0	73.1	71.9	21 600 *																			14.0
16.0	70.0	71.2	21 000 *																			16.0
18.0	66.9	70.4	20 400 *																			18.0
20.0	63.7	69.5	19 300 *	68.0	70.5	20 800 *																20.0
22.0	60.5	68.4	18 300 *	64.9	69.6	19 800 *																22.0
24.0	57.1	67.2	17 300 *	61.6	68.6	18 800 *	64.3	69.2	19 600 *													24.0
26.0	53.6	65.8	16 400 *	58.3	67.4	17 700 *	61.0	68.1	18 500 *													26.0
28.0	49.9	64.2	15 200 *	54.8	66.1	16 800 *	57.6	66.9	17 600 *	62.1	67.8	18 500										28.0
30.0	46.0	62.5	13 600 *	51.2	64.6	15 700 *	54.2	65.6	16 600 *	58.8	66.7	17 000										30.0
32.0	41.8	60.4	12 400 *	47.4	62.9	14 200 *	50.5	64.0	15 500 *	55.3	65.4	15 600										32.0
34.0	37.3	57.9	11 300 *	43.3	60.9	12 900 *	46.6	62.3	14 000 *	51.7	63.9	14 300	56.3	65.0	13 400							34.0
36.0	32.2	55.1	10 400 *	38.9	58.6	11 800 *	42.5	60.2	12 700 *	47.9	62.2	13 200	52.8	63.5	12 300							36.0
38.0	26.3	51.5	9 500 *	34.1	55.9	10 700 *	38.0	57.9	11 600 *	43.9	60.3	12 300	49.1	61.9	11 400							38.0
40.0	18.7	46.7	8 600 *	28.5	52.6	9 900 *	33.1	55.1	10 600 *	39.5	58.1	11 500	45.1	60.1	10 600	50.0	61.3	9 800				40.0
42.0				21.7	48.3	9 000 *	27.3	51.6	9 700 *	34.8	55.4	10 700	40.9	57.9	9 900	46.1	59.5	9 200				42.0
44.0				11.6	41.7	8 100 *	20.1	47.1	8 900 *	29.3	52.2	10 000	36.2	55.4	9 300	42.0	57.4	8 600				44.0
46.0										22.7	48.1	9 200 *	31.0	52.4	8 700	37.4	55.0	8 000	42.8	56.6	7 400	46.0
48.0										13.4	42.0	8 400 *	24.8	48.6	8 100	32.4	52.2	7 500	38.4	54.2	6 900	48.0
50.0													16.6	43.3	7 600	26.5	48.6	7 000	33.5	51.5	6 500	50.0
52.0																19.0	43.8	6 600	27.8	48.1	6 000	52.0
56.0																			9.7	36.3	5 300	56.0

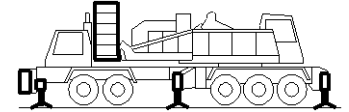


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



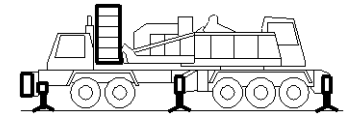
## 30.5m (100 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.7	75.1	20 300 *																			13.7
14.0	74.3	75.0	20 200 *																			14.0
16.0	71.5	74.4	19 700 *																			16.0
18.0	68.7	73.7	18 900 *																			18.0
20.0	65.7	72.8	17 800 *	69.7	73.7	19 200 *																20.0
22.0	62.8	71.9	16 800 *	66.8	72.9	18 200 *																22.0
24.0	59.7	70.8	15 800 *	63.8	72.0	17 200 *	66.2	72.5	17 900 *													24.0
26.0	56.5	69.6	14 900 *	60.8	71.0	16 200 *	63.3	71.6	17 000 *													26.0
28.0	53.2	68.1	14 000 *	57.7	69.8	15 300 *	60.2	70.5	16 000 *													28.0
30.0	49.8	66.6	13 200 *	54.4	68.4	14 500 *	57.1	69.3	15 200 *	61.2	70.2	16 200 *										30.0
32.0	46.2	64.7	12 300 *	51.1	66.9	13 600 *	53.8	67.9	14 300 *	58.1	69.1	15 300 *										32.0
34.0	42.4	62.7	11 200 *	47.5	65.2	12 800 *	50.4	66.3	13 500 *	54.9	67.7	14 100										34.0
36.0	38.2	60.3	10 300 *	43.8	63.2	11 700 *	46.8	64.6	12 600 *	51.5	66.2	13 100	55.8	67.3	12 200							36.0
38.0	33.6	57.6	9 400 *	39.7	61.0	10 700 *	43.0	62.6	11 500 *	48.0	64.6	12 100	52.5	65.9	11 200							38.0
40.0	28.4	54.2	8 600 *	35.3	58.4	9 800 *	38.9	60.2	10 500 *	44.3	62.6	11 300	49.1	64.2	10 500							40.0
42.0	22.1	50.0	7 900 *	30.4	55.3	9 000 *	34.4	57.6	9 600 *	40.3	60.4	10 500	45.4	62.4	9 700	49.9	63.6	9 000				42.0
44.0	13.3	43.7	7 000 *	24.5	51.4	8 200 *	29.3	54.3	8 800 *	35.9	57.9	9 900	41.5	60.3	9 100	46.3	61.8	8 400				44.0
46.0				16.9	46.1	7 500 *	23.3	50.3	8 100 *	31.1	54.8	9 100 *	37.3	57.8	8 500	42.5	59.8	7 800	47.1	60.9	7 100	46.0
48.0							15.1	44.5	7 400 *	25.4	51.1	8 400 *	32.6	55.0	8 000	38.4	57.4	7 300	43.3	58.9	6 700	48.0
50.0										18.1	46.1	7 700 *	27.2	51.5	7 500	33.8	54.7	6 900	39.2	56.6	6 200	50.0
52.0													20.5	47.0	7 000	28.6	51.4	6 400	34.8	54.0	5 900	52.0
56.0																13.7	41.0	5 700	23.8	46.8	5 100	56.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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 Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.8	78.3	19 000 *																			13.7
14.0	75.4	78.2	18 900 *																			14.0
16.0	72.8	77.6	18 400 *																			16.0
18.0	70.1	76.9	17 400 *																			18.0
20.0	67.5	76.2	16 400 *																			20.0
22.0	64.7	75.3	15 500 *	68.4	76.2	16 800 *																22.0
24.0	61.9	74.3	14 500 *	65.7	75.4	15 800 *																24.0
26.0	59.0	73.2	13 700 *	62.9	74.4	14 900 *	65.2	74.9	15 600 *													26.0
28.0	56.1	71.9	12 900 *	60.1	73.3	14 000 *	62.4	74.0	14 700 *													28.0
30.0	53.0	70.4	12 100 *	57.1	72.1	13 200 *	59.5	72.8	13 900 *													30.0
32.0	49.8	68.8	11 300 *	54.1	70.7	12 400 *	56.5	71.6	13 100 *	60.4	72.6	14 000 *										32.0
34.0	46.4	67.1	10 700 *	50.9	69.2	11 700 *	53.5	70.2	12 300 *	57.5	71.4	13 200 *										34.0
36.0	42.8	65.0	10 000 *	47.6	67.5	11 000 *	50.3	68.6	11 600 *	54.5	70.1	12 500 *										36.0
38.0	39.0	62.7	9 400 *	44.1	65.5	10 300 *	47.0	66.9	10 900 *	51.4	68.5	11 800 *	55.4	69.6	11 200							38.0
40.0	34.8	60.1	8 700 *	40.4	63.3	9 700 *	43.4	64.9	10 200 *	48.1	66.8	11 100 *	52.3	68.2	10 400							40.0
42.0	30.2	56.9	8 000 *	36.4	60.8	9 000 *	39.6	62.6	9 600 *	44.6	64.9	10 400 *	49.1	66.5	9 700							42.0
44.0	24.7	53.1	7 300 *	31.9	57.9	8 200 *	35.5	60.0	8 800 *	40.9	62.8	9 800	45.6	64.7	9 000	49.9	65.9	8 300				44.0
46.0	17.8	47.9	6 700 *	26.8	54.3	7 600 *	31.0	57.0	8 200 *	36.9	60.3	9 100 *	42.0	62.6	8 400	46.5	64.1	7 800				46.0
48.0				20.5	49.7	7 000 *	25.7	53.3	7 500 *	32.5	57.4	8 400 *	38.1	60.2	7 900	43.0	62.1	7 200				48.0
50.0				11.4	42.7	6 300 *	19.1	48.4	6 900 *	27.5	54.0	7 700 *	33.9	57.5	7 500	39.1	59.8	6 800	43.7	61.2	6 200	50.0
52.0										21.5	49.6	7 100 *	29.1	54.2	7 000	35.0	57.1	6 400	39.9	59.0	5 800	52.0
56.0													15.9	44.5	6 200	24.9	50.2	5 600	31.3	53.4	5 100	56.0
60.0																			19.7	45.0	4 500	60.0

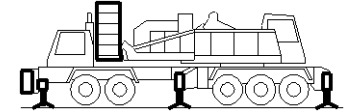


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



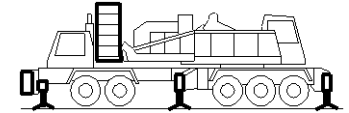
## 30.5m (100 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.8	81.0	17 300 *																			15.2
16.0	73.9	80.8	16 900 *																			16.0
18.0	71.4	80.2	16 000 *																			18.0
20.0	68.9	79.5	15 000 *																			20.0
22.0	66.4	78.6	14 100 *	69.8	79.5	15 300 *																22.0
24.0	63.8	77.7	13 200 *	67.3	78.7	14 400 *																24.0
26.0	61.1	76.7	12 300 *	64.7	77.8	13 600 *	66.8	78.3	14 200 *													26.0
28.0	58.4	75.5	11 600 *	62.1	76.8	12 700 *	64.2	77.4	13 300 *													28.0
30.0	55.6	74.2	10 800 *	59.4	75.7	11 900 *	61.6	76.3	12 500 *													30.0
32.0	52.7	72.8	10 100 *	56.6	74.4	11 200 *	58.9	75.2	11 700 *	62.4	76.1	12 700 *										32.0
34.0	49.7	71.2	9 500 *	53.8	73.1	10 400 *	56.1	73.9	11 000 *	59.8	75.0	11 900 *										34.0
36.0	46.6	69.4	8 800 *	50.8	71.5	9 700 *	53.2	72.5	10 300 *	57.0	73.7	11 200 *										36.0
38.0	43.2	67.3	8 200 *	47.7	69.8	9 100 *	50.2	70.9	9 600 *	54.2	72.4	10 500 *										38.0
40.0	39.7	65.1	7 700 *	44.4	67.8	8 500 *	47.1	69.2	9 000 *	51.2	70.8	9 800 *	55.0	71.9	10 200							40.0
42.0	35.8	62.5	7 200 *	41.0	65.7	7 900 *	43.8	67.2	8 400 *	48.1	69.2	9 200 *	52.1	70.5	9 500							42.0
44.0	31.6	59.5	6 700 *	37.2	63.2	7 400 *	40.3	65.0	7 800 *	44.9	67.2	8 600 *	49.0	68.8	8 900							44.0
46.0	26.8	55.9	6 300 *	33.2	60.4	6 900 *	36.5	62.5	7 300 *	41.5	65.1	8 000 *	45.9	67.0	8 300	49.8	68.2	7 600				46.0
48.0	21.0	51.4	5 900 *	28.6	57.0	6 500 *	32.3	59.5	6 800 *	37.8	62.7	7 500 *	42.5	64.9	7 700	46.7	66.4	7 100				48.0
50.0	12.9	44.9	5 400 *	23.2	52.9	6 100 *	27.6	56.1	6 400 *	33.7	59.9	7 000 *	38.9	62.6	7 300	43.4	64.4	6 600				50.0
52.0				16.2	47.4	5 700 *	22.0	51.7	6 000 *	29.2	56.7	6 500 *	35.0	59.9	6 800	39.8	62.2	6 200	44.0	63.5	5 600	52.0
56.0										17.3	47.4	5 800 *	25.6	53.1	6 100	31.8	56.6	5 500	36.8	58.8	4 900	56.0
60.0																21.2	48.6	4 800	28.0	52.5	4 300	60.0
64.0																			15.2	42.5	3 800	64.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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

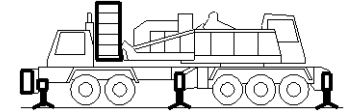
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.7	84.2	15 700 *																			15.2
16.0	74.9	84.0	15 500 *																			16.0
18.0	72.6	83.4	14 700 *																			18.0
20.0	70.2	82.7	13 800 *																			20.0
22.0	67.9	81.9	12 900 *																			22.0
24.0	65.4	81.1	12 100 *	68.7	82.0	13 200 *																24.0
26.0	63.0	80.1	11 300 *	66.3	81.2	12 400 *																26.0
28.0	60.5	79.0	10 500 *	63.9	80.2	11 600 *	65.8	80.7	12 200 *													28.0
30.0	57.9	77.8	9 800 *	61.4	79.2	10 800 *	63.4	79.8	11 400 *													30.0
32.0	55.3	76.5	9 100 *	58.8	78.0	10 100 *	60.9	78.7	10 700 *													32.0
34.0	52.5	75.1	8 500 *	56.2	76.8	9 400 *	58.3	77.6	10 000 *	61.7	78.5	10 800 *										34.0
36.0	49.7	73.4	7 900 *	53.5	75.4	8 800 *	55.7	76.2	9 300 *	59.2	77.3	10 100 *										36.0
38.0	46.7	71.7	7 300 *	50.7	73.8	8 100 *	53.0	74.8	8 600 *	56.6	76.1	9 500 *										38.0
40.0	43.6	69.7	6 800 *	47.8	72.1	7 600 *	50.1	73.2	8 000 *	53.9	74.7	8 800 *	57.3	75.6	9 500 *							40.0
42.0	40.3	67.4	6 300 *	44.7	70.2	7 000 *	47.2	71.5	7 500 *	51.1	73.2	8 200 *	54.7	74.3	8 900 *							42.0
44.0	36.7	64.9	5 800 *	41.5	68.0	6 500 *	44.1	69.5	6 900 *	48.2	71.4	7 600 *	51.9	72.8	8 300 *							44.0
46.0	32.8	62.0	5 400 *	38.0	65.6	6 000 *	40.8	67.3	6 400 *	45.1	69.6	7 100 *	49.0	71.1	7 800 *	52.6	72.1	7 400				46.0
48.0	28.5	58.7	4 900 *	34.3	62.9	5 600 *	37.3	64.9	5 900 *	41.9	67.5	6 600 *	46.0	69.3	7 200 *	49.8	70.5	6 900				48.0
50.0	23.5	54.6	4 400 *	30.1	59.7	5 100 *	33.5	62.0	5 500 *	38.5	65.1	6 100 *	42.9	67.3	6 700 *	46.8	68.7	6 500				50.0
52.0	17.1	49.2	4 000 *	25.4	55.9	4 600 *	29.3	58.8	5 000 *	34.8	62.4	5 700 *	39.5	65.0	6 200 *	43.7	66.7	6 100	47.4	67.8	5 500	52.0
56.0				11.3	43.8	3 800 *	18.3	49.7	4 100 *	26.0	55.6	4 700 *	32.0	59.4	5 300 *	36.9	62.0	5 300	41.1	63.7	4 800	56.0
60.0										12.7	44.2	3 800 *	22.2	51.6	4 400 *	28.7	55.8	4 700	33.8	58.5	4 200	60.0
64.0																17.3	46.4	4 000 *	24.8	51.3	3 700	64.0
68.0																			9.8	38.5	3 200	68.0



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



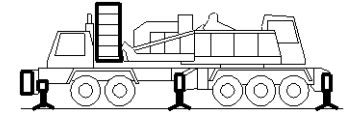
## 33.5m (110 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

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 Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	67.7	56.7	44 400 *b																			10.7
12.0	63.8	56.1	42 500 *b																			12.0
14.0	57.6	55.0	39 400 *	66.7	56.3	39 800 *b																14.0
16.0	51.0	53.6	32 600 *	60.7	55.3	36 300 *b																16.0
18.0	43.7	51.7	27 800 *	54.3	54.1	33 300 *	60.0	54.9	32 900 *													18.0
20.0	35.2	49.3	24 000 *	47.4	52.4	29 800 *	53.5	53.6	30 200 *													20.0
22.0	24.4	45.8	20 700 *	39.6	50.3	25 900 *	46.5	51.9	27 300 *	56.5	53.6	26 100										22.0
24.0				30.2	47.5	22 500 *	38.6	49.8	24 600 *	49.8	52.1	23 300										24.0
26.0							28.9	46.8	22 200 *	42.4	50.2	21 000	52.7	51.8	19 600							26.0
28.0										33.6	47.6	19 100	45.6	50.1	17 800							28.0
30.0										22.1	43.8	17 400	37.5	47.8	16 300	48.4	49.6	15 200				30.0
32.0													27.5	44.7	15 000	40.7	47.6	14 000				32.0
34.0																31.6	44.9	12 900	43.3	46.9	11 900	34.0
36.0																19.0	40.6	11 900	34.7	44.4	11 100	36.0
38.0																			23.7	40.9	10 200	38.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



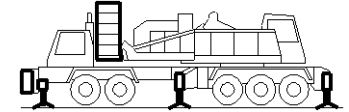
## 33.5m (110 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	70.6	60.0	40 600 *b																			10.7
12.0	67.3	59.5	39 300 *b																			12.0
14.0	62.1	58.5	37 200 *	69.7	59.6	38 500 *b																14.0
16.0	56.6	57.3	32 900 *	64.6	58.8	35 400 *b																16.0
18.0	50.8	55.9	27 800 *	59.3	57.7	32 700 *	64.0	58.4	32 100 *													18.0
20.0	44.4	54.0	24 100 *	53.7	56.4	29 600 *	58.7	57.3	29 700 *													20.0
22.0	37.2	51.7	21 100 *	47.6	54.7	25 900 *	53.0	55.9	27 000 *	61.2	57.1	25 900										22.0
24.0	28.5	48.6	18 600 *	40.8	52.7	22 600 *	46.8	54.2	24 400 *	55.6	55.9	23 100										24.0
26.0				33.0	50.0	19 900 *	40.0	52.1	22 200 *	49.7	54.4	20 800										26.0
28.0				23.0	46.3	17 600 *	32.0	49.4	19 700 *	43.2	52.5	18 900	52.3	54.1	17 700							28.0
30.0							21.6	45.4	17 400 *	35.9	50.1	17 300	46.1	52.4	16 100							30.0
32.0										26.8	46.8	15 900	39.1	50.2	14 800	48.4	51.9	13 700				32.0
34.0													30.9	47.4	13 700	41.8	50.0	12 700				34.0
36.0													19.9	43.2	12 600	34.2	47.4	11 700	44.0	49.2	10 800	36.0
38.0																24.6	43.8	10 900	36.8	46.9	10 100	38.0
40.0																			28.0	43.7	9 300	40.0
42.0																			15.2	38.7	8 700	42.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



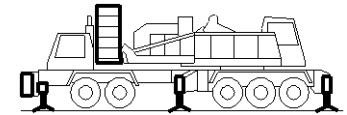
## 33.5m (110 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	72.8	63.2	36 500 *b																			10.7
12.0	69.9	62.8	35 200 *b																			12.0
14.0	65.4	61.9	33 200 *																			14.0
16.0	60.7	60.9	31 400 *	67.6	62.1	34 100 *b																16.0
18.0	55.8	59.7	28 200 *	63.0	61.2	31 500 *																18.0
20.0	50.6	58.2	24 300 *	58.2	60.0	29 200 *	62.5	60.8	28 700 *													20.0
22.0	44.9	56.4	21 300 *	53.2	58.7	26 300 *	57.7	59.6	26 700 *													22.0
24.0	38.6	54.1	18 900 *	47.7	57.0	22 700 *	52.6	58.2	24 400 *	59.9	59.5	23 000										24.0
26.0	31.4	51.3	16 800 *	41.8	55.0	20 100 *	47.1	56.5	22 100 *	54.9	58.2	20 700										26.0
28.0	22.0	47.3	14 900 *	35.1	52.5	17 900 *	41.1	54.5	19 900 *	49.6	56.7	18 800										28.0
30.0				27.0	49.2	16 000 *	34.2	51.9	17 600 *	43.9	54.8	17 200	51.9	56.5	16 000							30.0
32.0				15.4	44.0	14 300 *	25.9	48.4	15 800 *	37.5	52.5	15 800	46.4	54.7	14 700							32.0
34.0										30.0	49.5	14 600	40.3	52.6	13 500	48.5	54.2	12 500				34.0
36.0										20.1	45.2	13 500	33.3	49.9	12 500	42.7	52.3	11 600				36.0
38.0													24.7	46.3	11 600	36.1	49.8	10 800				38.0
40.0																28.2	46.7	10 000	38.3	49.3	9 200	40.0
42.0																17.4	41.9	9 300	30.9	46.4	8 600	42.0
44.0																			21.5	42.3	8 000	44.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



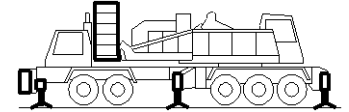
## 33.5m (110 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	74.6	66.4	33 600 *b																			10.7
12.0	72.0	66.0	32 500 *b																			12.0
14.0	68.0	65.2	31 000 *																			14.0
16.0	63.9	64.4	29 100 *																			16.0
18.0	59.6	63.3	27 600 *	65.9	64.6	30 300 *																18.0
20.0	55.1	62.0	24 200 *	61.7	63.6	28 500 *	65.4	64.2	27 900 *													20.0
22.0	50.4	60.5	21 200 *	57.3	62.4	26 200 *	61.2	63.2	26 100 *													22.0
24.0	45.3	58.7	18 800 *	52.8	61.0	22 700 *	56.8	62.0	24 100 *													24.0
26.0	39.8	56.5	16 800 *	47.9	59.3	20 000 *	52.2	60.5	21 900 *	58.9	61.9	20 500										26.0
28.0	33.5	53.8	15 100 *	42.6	57.3	17 800 *	47.3	58.8	19 800 *	54.4	60.5	18 600										28.0
30.0	25.9	50.3	13 600 *	36.7	54.9	16 000 *	41.9	56.8	17 700 *	49.6	59.0	17 000										30.0
32.0	15.1	44.9	11 800 *	29.8	51.9	14 400 *	35.9	54.3	15 800 *	44.4	57.1	15 600	51.6	58.7	14 500							32.0
34.0				21.0	47.7	13 000 *	28.9	51.2	14 200 *	38.8	54.9	14 400	46.7	57.0	13 300							34.0
36.0							19.8	46.8	12 900 *	32.3	52.1	13 300	41.2	55.0	12 300	48.6	56.5	11 400				36.0
38.0										24.4	48.4	12 400	35.2	52.4	11 500	43.3	54.6	10 600				38.0
40.0													28.0	49.2	10 600	37.5	52.3	9 800	45.1	53.9	9 000	40.0
42.0													18.4	44.5	9 900	30.8	49.3	9 100	39.5	51.7	8 400	42.0
44.0																22.4	45.3	8 500	33.1	48.9	7 800	44.0
46.0																			25.4	45.4	7 300	46.0
48.0																			14.3	39.8	6 800	48.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



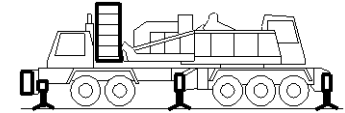
## 33.5m (110 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	76.0	69.5	31 000 *b																			10.7
12.0	73.7	69.2	30 100 *																			12.0
14.0	70.1	68.5	28 600 *																			14.0
16.0	66.4	67.7	27 200 *																			16.0
18.0	62.6	66.8	25 800 *	68.2	67.9	28 100 *																18.0
20.0	58.7	65.6	24 300 *	64.5	67.0	26 700 *																20.0
22.0	54.6	64.3	21 300 *	60.6	65.9	25 300 *	64.0	66.6	25 500 *													22.0
24.0	50.3	62.8	18 900 *	56.6	64.7	22 900 *	60.2	65.5	23 900 *													24.0
26.0	45.7	61.0	16 900 *	52.4	63.3	20 100 *	56.1	64.3	21 800 *	62.0	65.4	20 500										26.0
28.0	40.7	58.8	15 200 *	48.0	61.6	17 900 *	51.9	62.8	19 900 *	58.0	64.2	18 500										28.0
30.0	35.1	56.3	13 800 *	43.2	59.7	16 100 *	47.4	61.2	17 700 *	53.9	62.9	17 000										30.0
32.0	28.6	53.1	12 500 *	37.9	57.3	14 500 *	42.6	59.2	15 900 *	49.5	61.3	15 600	55.6	62.5	14 400							32.0
34.0	20.4	48.7	11 300 *	32.0	54.5	13 200 *	37.3	56.8	14 400 *	44.9	59.4	14 400	51.4	61.0	13 300							34.0
36.0				24.7	50.8	12 000 *	31.2	53.8	13 000 *	39.8	57.2	13 300	46.9	59.3	12 300							36.0
38.0				14.6	45.2	10 800 *	23.8	50.0	11 800 *	34.1	54.6	12 400	42.0	57.3	11 400	48.6	58.8	10 500				38.0
40.0										27.4	51.2	11 500	36.6	54.8	10 700	43.9	56.9	9 800				40.0
42.0										18.7	46.5	10 800	30.4	51.8	9 900	38.7	54.6	9 100	45.4	56.2	8 400	42.0
44.0													22.7	47.8	9 300	32.8	51.9	8 500	40.4	54.0	7 800	44.0
46.0																25.9	48.3	8 000	34.8	51.4	7 300	46.0
48.0																16.4	43.1	7 500	28.3	48.2	6 800	48.0
50.0																			19.9	43.7	6 400	50.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	74.8	72.3	27 600 *																			12.2
14.0	71.8	71.7	26 500 *																			14.0
16.0	68.5	71.0	25 100 *																			16.0
18.0	65.1	70.2	23 700 *																			18.0
20.0	61.5	69.2	22 500 *	66.7	70.3	24 600 *																20.0
22.0	57.9	68.0	21 100 *	63.3	69.4	23 300 *	66.3	70.0	24 300 *													22.0
24.0	54.1	66.6	18 900 *	59.7	68.3	22 100 *	62.9	69.0	23 200 *													24.0
26.0	50.2	65.1	16 800 *	56.0	67.1	20 000 *	59.3	67.9	21 600 *													26.0
28.0	46.0	63.3	15 100 *	52.1	65.6	17 800 *	55.6	66.6	19 700 *	60.9	67.7	18 400										28.0
30.0	41.4	61.2	13 700 *	48.1	63.9	16 000 *	51.7	65.2	17 700 *	57.3	66.6	16 800										30.0
32.0	36.4	58.7	12 500 *	43.7	62.0	14 400 *	47.6	63.5	15 800 *	53.5	65.2	15 400										32.0
34.0	30.8	55.7	11 400 *	38.9	59.7	13 100 *	43.2	61.5	14 300 *	49.5	63.6	14 200	55.1	64.9	13 100							34.0
36.0	24.0	51.8	10 400 *	33.6	57.0	11 900 *	38.4	59.2	13 000 *	45.2	61.7	13 100	51.2	63.4	12 100							36.0
38.0	14.4	46.1	9 100 *	27.5	53.6	10 900 *	33.0	56.4	11 800 *	40.6	59.6	12 200	47.0	61.6	11 200							38.0
40.0				19.6	49.0	9 900 *	26.7	52.9	10 800 *	35.5	57.0	11 400	42.6	59.6	10 500	48.6	61.1	9 600				40.0
42.0							18.5	48.1	9 900 *	29.7	53.9	10 600	37.7	57.2	9 800	44.3	59.2	8 900				42.0
44.0										22.6	49.8	9 900	32.3	54.4	9 100	39.6	57.0	8 300				44.0
46.0													25.8	50.8	8 500	34.4	54.4	7 800	41.2	56.4	7 100	46.0
48.0													17.3	45.7	8 000	28.4	51.1	7 300	36.2	53.9	6 600	48.0
50.0																20.9	46.7	6 900	30.4	50.8	6 200	50.0
52.0																			23.5	46.9	5 800	52.0

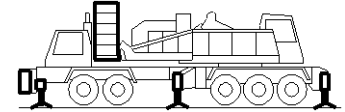


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



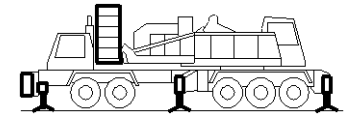
## 33.5m (110 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

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 Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	76.0	75.4	21 800 *																			12.2
14.0	73.2	74.9	21 300 *																			14.0
16.0	70.2	74.3	20 700 *																			16.0
18.0	67.1	73.5	20 300 *																			18.0
20.0	63.9	72.6	19 300 *	68.6	73.6	20 600 *																20.0
22.0	60.6	71.5	18 300 *	65.5	72.8	20 000 *																22.0
24.0	57.3	70.3	17 300 *	62.3	71.8	18 900 *	65.1	72.4	19 700 *													24.0
26.0	53.8	68.9	16 400 *	58.9	70.7	17 900 *	61.9	71.4	18 700 *													26.0
28.0	50.1	67.4	15 300 *	55.5	69.4	17 000 *	58.5	70.2	17 800 *													28.0
30.0	46.2	65.6	13 700 *	51.9	67.9	16 000 *	55.1	68.9	16 900 *	60.1	70.1	16 600										30.0
32.0	42.0	63.5	12 500 *	48.1	66.2	14 500 *	51.5	67.5	15 900 *	56.7	68.9	15 200										32.0
34.0	37.5	61.1	11 400 *	44.1	64.3	13 100 *	47.7	65.7	14 300 *	53.1	67.5	14 100										34.0
36.0	32.5	58.3	10 400 *	39.8	62.1	12 000 *	43.6	63.8	13 000 *	49.4	65.9	13 000	54.7	67.2	12 000							36.0
38.0	26.6	54.7	9 500 *	35.0	59.5	10 900 *	39.3	61.5	11 900 *	45.5	64.1	12 100	51.0	65.7	11 100							38.0
40.0	19.2	50.0	8 700 *	29.6	56.3	10 000 *	34.4	58.9	10 800 *	41.3	61.9	11 200	47.2	63.9	10 300							40.0
42.0				23.1	52.3	9 200 *	28.9	55.6	9 900 *	36.7	59.5	10 500	43.1	61.9	9 600	48.7	63.4	8 800				42.0
44.0				14.0	46.3	8 400 *	22.2	51.5	9 100 *	31.6	56.5	9 800	38.7	59.6	9 000	44.7	61.5	8 200				44.0
46.0										25.5	52.8	9 200	33.8	56.9	8 400	40.4	59.4	7 700	46.0	60.8	6 900	46.0
48.0										17.6	47.8	8 600	28.2	53.6	7 900	35.7	56.8	7 200	41.8	58.7	6 500	48.0
50.0													21.3	49.2	7 400	30.4	53.7	6 700	37.3	56.3	6 100	50.0
52.0																24.1	49.9	6 300	32.2	53.4	5 700	52.0
56.0																			18.7	45.0	5 000	56.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.9	78.2	20 000 *																			13.7
14.0	74.5	78.1	20 000 *																			14.0
16.0	71.7	77.5	19 500 *																			16.0
18.0	68.8	76.8	18 800 *																			18.0
20.0	65.9	75.9	17 700 *	70.2	76.9	19 200 *																20.0
22.0	62.9	75.0	16 700 *	67.3	76.1	18 300 *																22.0
24.0	59.9	73.9	15 800 *	64.4	75.2	17 300 *																24.0
26.0	56.7	72.7	14 900 *	61.4	74.2	16 400 *	64.0	74.8	17 100 *													26.0
28.0	53.4	71.3	14 100 *	58.3	73.0	15 500 *	61.0	73.8	16 300 *													28.0
30.0	50.0	69.7	13 300 *	55.0	71.7	14 600 *	57.9	72.6	15 400 *													30.0
32.0	46.4	67.9	12 400 *	51.7	70.2	13 800 *	54.7	71.3	14 500 *	59.3	72.5	15 100										32.0
34.0	42.6	65.9	11 300 *	48.2	68.5	13 000 *	51.3	69.8	13 700 *	56.2	71.2	13 900										34.0
36.0	38.4	63.5	10 300 *	44.5	66.6	11 900 *	47.8	68.1	12 900 *	52.9	69.8	12 800										36.0
38.0	33.9	60.8	9 500 *	40.5	64.4	10 800 *	44.0	66.1	11 800 *	49.4	68.2	11 900	54.3	69.5	10 900							38.0
40.0	28.7	57.5	8 700 *	36.2	61.9	9 900 *	40.0	63.9	10 700 *	45.8	66.4	11 000	50.9	68.0	10 200							40.0
42.0	22.5	53.3	8 000 *	31.3	58.9	9 100 *	35.6	61.3	9 800 *	41.9	64.3	10 300	47.3	66.2	9 400							42.0
44.0	13.9	47.2	7 100 *	25.7	55.2	8 400 *	30.7	58.3	9 000 *	37.7	61.9	9 600	43.6	64.3	8 800	48.7	65.7	8 000				44.0
46.0				18.6	50.3	7 700 *	25.0	54.5	8 300 *	33.1	59.1	9 000	39.5	62.0	8 200	45.0	63.9	7 500				46.0
48.0							17.6	49.3	7 600 *	27.7	55.7	8 500	35.1	59.4	7 700	41.1	61.7	7 000	46.2	63.1	6 300	48.0
50.0										21.3	51.3	7 900	30.1	56.2	7 200	36.8	59.2	6 500	42.4	61.0	5 900	50.0
52.0													24.2	52.3	6 800	32.0	56.3	6 100	38.2	58.7	5 500	52.0
56.0																19.7	48.1	5 400	28.4	52.6	4 800	56.0
60.0																			13.3	42.1	4 200	60.0



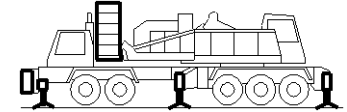


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



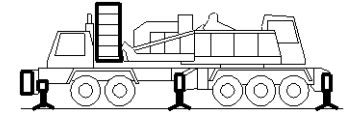
## 33.5m (110 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

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			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.9	81.3	18 700 *																			13.7
14.0	75.5	81.3	18 700 *																			14.0
16.0	72.9	80.7	18 200 *																			16.0
18.0	70.3	80.0	17 400 *																			18.0
20.0	67.6	79.3	16 400 *																			20.0
22.0	64.9	78.4	15 400 *	68.9	79.4	16 800 *																22.0
24.0	62.1	77.4	14 500 *	66.2	78.6	16 000 *																24.0
26.0	59.2	76.3	13 700 *	63.4	77.6	15 100 *	65.9	78.2	15 700 *													26.0
28.0	56.2	75.0	12 900 *	60.6	76.6	14 200 *	63.1	77.2	14 900 *													28.0
30.0	53.1	73.6	12 100 *	57.7	75.4	13 400 *	60.3	76.2	14 100 *													30.0
32.0	49.9	72.0	11 400 *	54.7	74.0	12 600 *	57.3	74.9	13 300 *	61.6	76.0	14 300 *										32.0
34.0	46.6	70.2	10 700 *	51.5	72.5	11 800 *	54.3	73.6	12 500 *	58.7	74.8	13 500 *										34.0
36.0	43.0	68.2	10 100 *	48.2	70.8	11 100 *	51.2	72.1	11 800 *	55.7	73.6	12 700										36.0
38.0	39.2	65.9	9 500 *	44.8	68.9	10 500 *	47.9	70.3	11 100 *	52.6	72.1	11 800										38.0
40.0	35.1	63.3	8 700 *	41.1	66.8	9 800 *	44.4	68.4	10 400 *	49.4	70.5	11 000	53.9	71.8	10 100							40.0
42.0	30.4	60.2	8 000 *	37.1	64.3	9 100 *	40.7	66.2	9 800 *	46.0	68.7	10 300	50.8	70.3	9 400							42.0
44.0	25.0	56.3	7 400 *	32.8	61.5	8 400 *	36.7	63.7	9 100 *	42.4	66.6	9 600	47.4	68.5	8 800							44.0
46.0	18.2	51.3	6 700 *	27.8	58.0	7 700 *	32.2	60.8	8 300 *	38.5	64.3	9 000	43.9	66.6	8 200	48.7	68.0	7 400				46.0
48.0				21.8	53.7	7 100 *	27.2	57.3	7 700 *	34.3	61.5	8 400	40.2	64.4	7 700	45.3	66.2	6 900				48.0
50.0				13.5	47.4	6 500 *	21.0	52.9	7 100 *	29.6	58.3	7 900	36.1	61.8	7 200	41.6	64.1	6 500				50.0
52.0										24.0	54.4	7 400 *	31.6	58.8	6 800	37.7	61.7	6 100	42.8	63.4	5 500	52.0
56.0													20.2	50.6	6 000	28.5	55.5	5 400	34.8	58.4	4 800	56.0
60.0																15.0	45.5	4 700	24.7	51.4	4 200	60.0
64.0																			5.2	36.4	3 600	64.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.9	84.1	17 100 *																			15.2
16.0	74.0	83.9	16 800 *																			16.0
18.0	71.6	83.3	15 900 *																			18.0
20.0	69.1	82.5	15 000 *																			20.0
22.0	66.5	81.7	14 100 *																			22.0
24.0	63.9	80.8	13 200 *	67.8	81.9	14 500 *																24.0
26.0	61.3	79.8	12 400 *	65.2	81.0	13 700 *	67.5	81.5	14 300 *													26.0
28.0	58.6	78.6	11 600 *	62.6	80.0	12 800 *	64.9	80.6	13 500 *													28.0
30.0	55.8	77.3	10 800 *	59.9	78.9	12 000 *	62.3	79.6	12 700 *													30.0
32.0	52.9	75.9	10 200 *	57.2	77.7	11 300 *	59.6	78.5	11 900 *													32.0
34.0	49.9	74.3	9 500 *	54.3	76.3	10 500 *	56.8	77.3	11 200 *	60.8	78.4	12 200 *										34.0
36.0	46.7	72.5	8 800 *	51.4	74.8	9 900 *	54.0	75.9	10 500 *	58.1	77.2	11 500 *										36.0
38.0	43.4	70.5	8 300 *	48.3	73.1	9 200 *	51.0	74.4	9 800 *	55.3	75.9	10 700 *										38.0
40.0	39.9	68.3	7 700 *	45.1	71.2	8 600 *	47.9	72.7	9 200 *	52.4	74.4	10 100 *	56.5	75.5	9 900							40.0
42.0	36.1	65.7	7 200 *	41.6	69.1	8 000 *	44.7	70.7	8 600 *	49.4	72.8	9 400 *	53.6	74.1	9 200							42.0
44.0	31.8	62.7	6 800 *	38.0	66.7	7 500 *	41.2	68.6	8 000 *	46.2	71.0	8 800 *	50.7	72.6	8 600							44.0
46.0	27.1	59.2	6 300 *	34.0	64.0	7 000 *	37.5	66.2	7 500 *	42.8	68.9	8 300 *	47.5	70.8	8 000	51.8	72.0	7 200				46.0
48.0	21.3	54.7	5 900 *	29.5	60.7	6 600 *	33.5	63.4	7 000 *	39.3	66.6	7 700 *	44.3	68.9	7 500	48.7	70.3	6 800				48.0
50.0	13.5	48.4	5 400 *	24.3	56.8	6 200 *	28.9	60.0	6 500 *	35.4	64.0	7 200 *	40.8	66.7	7 000	45.5	68.5	6 300				50.0
52.0				17.7	51.6	5 800 *	23.6	56.0	6 100 *	31.1	61.0	6 800 *	37.1	64.2	6 600	42.1	66.4	5 900	46.6	67.7	5 200	52.0
56.0										20.2	52.6	6 000 *	28.3	58.0	5 800	34.5	61.3	5 200	39.7	63.4	4 600	56.0
60.0													15.8	48.2	5 100	25.1	54.4	4 500	31.6	57.8	4 000	60.0
64.0																9.0	41.3	4 000	21.0	49.7	3 500	64.0

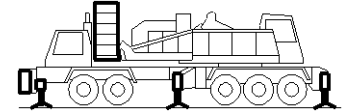


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



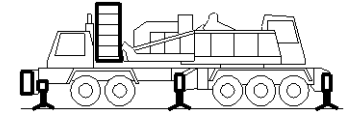
## 33.5m (110 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

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 Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.9	87.2	15 500 *																			15.2
16.0	75.0	87.0	15 300 *																			16.0
18.0	72.7	86.5	14 700 *																			18.0
20.0	70.3	85.8	13 700 *																			20.0
22.0	68.0	85.0	12 900 *																			22.0
24.0	65.6	84.2	12 100 *	69.1	85.2	13 300 *																24.0
26.0	63.1	83.2	11 300 *	66.8	84.3	12 500 *																26.0
28.0	60.6	82.2	10 600 *	64.3	83.4	11 800 *	66.5	84.0	12 400 *													28.0
30.0	58.0	81.0	9 800 *	61.8	82.4	11 000 *	64.0	83.0	11 600 *													30.0
32.0	55.4	79.7	9 200 *	59.3	81.3	10 200 *	61.6	82.0	10 900 *													32.0
34.0	52.7	78.2	8 500 *	56.7	80.0	9 500 *	59.0	80.9	10 200 *													34.0
36.0	49.8	76.6	7 900 *	54.0	78.7	8 900 *	56.4	79.6	9 500 *	60.2	80.7	10 400 *										36.0
38.0	46.9	74.8	7 400 *	51.2	77.1	8 300 *	53.7	78.2	8 800 *	57.6	79.5	9 700 *										38.0
40.0	43.8	72.8	6 800 *	48.3	75.4	7 700 *	50.9	76.7	8 200 *	54.9	78.2	9 100 *										40.0
42.0	40.5	70.6	6 300 *	45.3	73.6	7 100 *	48.0	75.0	7 600 *	52.2	76.7	8 400 *	56.1	77.8	9 100							42.0
44.0	36.9	68.1	5 900 *	42.1	71.5	6 600 *	44.9	73.1	7 100 *	49.3	75.1	7 900 *	53.4	76.4	8 400							44.0
46.0	33.1	65.3	5 500 *	38.7	69.1	6 100 *	41.7	70.9	6 500 *	46.4	73.3	7 300 *	50.6	74.9	7 900							46.0
48.0	28.8	61.9	5 000 *	35.0	66.4	5 700 *	38.3	68.6	6 100 *	43.2	71.3	6 800 *	47.6	73.1	7 300	51.6	74.3	6 600				48.0
50.0	23.8	57.9	4 500 *	30.9	63.4	5 200 *	34.6	65.8	5 600 *	39.9	69.0	6 300 *	44.6	71.2	6 900	48.7	72.6	6 200				50.0
52.0	17.5	52.5	4 000 *	26.3	59.7	4 700 *	30.4	62.7	5 200 *	36.3	66.4	5 900 *	41.3	69.1	6 400	45.7	70.8	5 800				52.0
56.0				13.2	48.6	3 800 *	20.0	54.2	4 200 *	28.0	60.1	4 900 *	34.1	63.9	5 600 *	39.2	66.4	5 100	43.6	68.0	4 400	56.0
60.0										16.2	50.2	4 000 *	25.1	56.8	4 600 *	31.5	60.8	4 400	36.7	63.3	3 900	60.0
64.0													10.7	44.4	3 800 *	21.6	52.8	3 900	28.5	57.0	3 400	64.0
68.0																			17.1	47.5	2 900	68.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



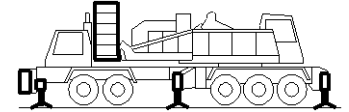
**36.6m (120 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib**

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	68.0	59.8	42 700 *b																			10.7
12.0	64.1	59.2	41 400 *b																			12.0
14.0	58.0	58.1	38 900 *	67.8	59.5	38 000 *b																14.0
16.0	51.4	56.7	33 100 *	61.8	58.6	34 900 *b																16.0
18.0	44.1	54.9	28 000 *	55.5	57.3	32 000 *	61.6	58.2	31 200 *b													18.0
20.0	35.7	52.5	24 200 *	48.7	55.8	29 400 *	55.3	57.0	28 900 *													20.0
22.0	25.1	49.1	20 900 *	41.1	53.8	26 300 *	48.5	55.4	26 600 *	59.0	57.0	25 300 b										22.0
24.0				32.1	51.1	23 100 *	40.8	53.4	24 200 *	52.5	55.7	23 000										24.0
26.0							31.7	50.7	22 000	45.4	53.9	20 700	56.2	55.4	19 200							26.0
28.0							19.2	46.5	19 800	37.3	51.7	18 800	49.4	53.9	17 500							28.0
30.0										27.2	48.5	17 200	41.9	52.0	16 000							30.0
32.0										10.5	42.6	15 800	33.1	49.4	14 600	45.8	51.7	13 600				32.0
34.0													21.3	45.5	13 500	37.7	49.5	12 500				34.0
36.0																27.7	46.4	11 600	41.4	49.0	10 600	36.0
38.0																11.8	40.8	10 700	32.4	46.4	9 900	38.0
40.0																			20.3	42.3	9 200	40.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



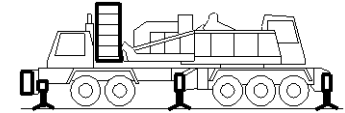
## 36.6m (120 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	70.9	63.1	40 200 *b																			10.7
12.0	67.5	62.6	39 000 *b																			12.0
14.0	62.3	61.6	36 900 *																			14.0
16.0	56.9	60.5	33 400 *	65.6	62.0	34 400 *b																16.0
18.0	51.1	59.0	28 000 *	60.3	60.9	31 700 *																18.0
20.0	44.7	57.2	24 300 *	54.7	59.7	29 200 *	60.1	60.6	28 600 *													20.0
22.0	37.6	54.9	21 300 *	48.8	58.1	26 100 *	54.5	59.3	26 400 *													22.0
24.0	29.0	51.9	18 800 *	42.2	56.1	23 200 *	48.5	57.7	23 900 *	57.9	59.4	22 800										24.0
26.0				34.6	53.6	20 400 *	41.9	55.7	21 800 *	52.1	58.0	20 500										26.0
28.0				25.1	50.1	18 100 *	34.3	53.2	20 000	45.9	56.2	18 600	55.3	57.8	17 300							28.0
30.0							24.7	49.7	18 100	38.9	54.0	17 000	49.4	56.2	15 700							30.0
32.0							8.0	42.8	15 200 *	30.7	51.2	15 600	42.8	54.3	14 500	52.4	55.8	13 300				32.0
34.0										19.6	46.9	14 400	35.4	51.8	13 300	46.2	54.0	12 300				34.0
36.0													26.2	48.5	12 300	39.3	51.9	11 400				36.0
38.0													11.7	42.7	11 500	31.1	49.0	10 600	42.4	51.4	9 600	38.0
40.0																20.2	44.9	9 800	34.9	48.9	8 900	40.0
42.0																			25.5	45.4	8 400	42.0
44.0																			10.1	39.2	7 800	44.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



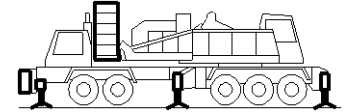
36.6m (120 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	73.1	66.3	36 100 *b																			10.7
12.0	70.1	65.8	34 900 *b																			12.0
14.0	65.6	65.0	33 100 *																			14.0
16.0	61.0	64.0	31 300 *	68.4	65.3	33 000 *b																16.0
18.0	56.0	62.8	28 400 *	63.9	64.4	30 700 *																18.0
20.0	50.8	61.3	24 400 *	59.1	63.3	28 500 *	63.7	64.1	27 700 *													20.0
22.0	45.2	59.5	21 400 *	54.1	62.0	26 200 *	59.0	63.0	25 800 *													22.0
24.0	39.0	57.3	19 000 *	48.8	60.4	23 300 *	53.9	61.6	23 800 *													24.0
26.0	31.8	54.5	16 900 *	43.0	58.5	20 600 *	48.6	60.0	21 700 *	56.9	61.7	20 400										26.0
28.0	22.6	50.6	15 000 *	36.4	56.0	18 200 *	42.7	58.1	19 900	51.8	60.3	18 500										28.0
30.0				28.6	52.9	16 300 *	36.2	55.6	18 100	46.2	58.5	16 900	54.6	60.1	15 600							30.0
32.0				18.1	48.3	14 600 *	28.3	52.5	16 300 *	40.1	56.4	15 500	49.3	58.5	14 300							32.0
34.0							17.6	47.7	14 500 *	33.1	53.7	14 300	43.6	56.6	13 200							34.0
36.0										24.4	50.1	13 200	37.1	54.3	12 200	46.5	56.3	11 200				36.0
38.0										10.5	43.7	12 300	29.5	51.2	11 400	40.4	54.2	10 400				38.0
40.0													19.4	46.8	10 600	33.5	51.6	9 700	43.2	53.7	8 800	40.0
42.0																24.9	48.0	9 000	36.7	51.3	8 200	42.0
44.0																11.5	41.9	8 400	28.9	48.2	7 700	44.0
46.0																			18.5	43.7	7 200	46.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



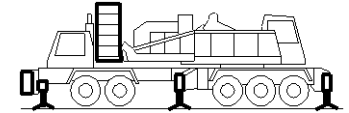
## 36.6m (120 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	74.8	69.5	33 200 *b																			10.7
12.0	72.2	69.1	32 200 *b																			12.0
14.0	68.2	68.3	30 800 *																			14.0
16.0	64.1	67.5	29 100 *																			16.0
18.0	59.8	66.4	27 500 *	66.7	67.7	29 700 *																18.0
20.0	55.4	65.1	24 400 *	62.5	66.8	27 800 *	66.5	67.4	26 900 *													20.0
22.0	50.7	63.6	21 400 *	58.2	65.7	25 800 *	62.3	66.4	25 200 *													22.0
24.0	45.6	61.8	19 000 *	53.6	64.3	23 200 *	58.0	65.3	23 500 *													24.0
26.0	40.1	59.7	16 900 *	48.8	62.7	20 500 *	53.5	63.9	21 400 *	60.6	65.3	20 200										26.0
28.0	33.8	57.0	15 200 *	43.6	60.8	18 200 *	48.6	62.3	19 600 *	56.2	64.0	18 300										28.0
30.0	26.3	53.6	13 700 *	37.8	58.5	16 300 *	43.4	60.4	18 000 *	51.5	62.6	16 700										30.0
32.0	15.9	48.4	12 000 *	31.2	55.5	14 700 *	37.6	58.0	16 300 *	46.5	60.8	15 300	54.1	62.4	14 100							32.0
34.0				22.9	51.6	13 300 *	30.9	55.1	14 700 *	41.1	58.7	14 100	49.3	60.8	13 000							34.0
36.0							22.6	51.2	13 300 *	35.0	56.2	13 100	44.1	58.9	12 000							36.0
38.0							8.5	44.0	11 500 *	27.7	52.9	12 200	38.4	56.7	11 200	46.8	58.7	10 200				38.0
40.0										18.1	48.2	11 300	31.9	53.8	10 400	41.3	56.6	9 500				40.0
42.0													23.8	50.0	9 700	35.3	54.0	8 900	43.8	56.0	8 000	42.0
44.0													11.4	43.7	9 000	28.1	50.8	8 300	38.0	53.7	7 400	44.0
46.0																18.6	46.2	7 700	31.4	50.8	7 000	46.0
48.0																			23.2	47.0	6 500	48.0
50.0																			10.1	40.3	6 100	50.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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**

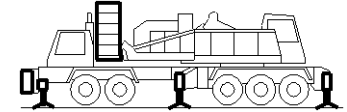
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	73.5	72.2	29 600 *																			12.2
14.0	70.3	71.6	28 400 *																			14.0
16.0	66.6	70.8	27 000 *																			16.0
18.0	62.8	69.9	25 600 *																			18.0
20.0	58.9	68.7	24 200 *	65.2	70.2	26 800 *																20.0
22.0	54.8	67.4	21 500 *	61.3	69.2	25 300 *	65.0	69.8	24 600 *													22.0
24.0	50.5	65.9	19 000 *	57.4	68.0	23 300 *	61.2	68.8	23 100 *													24.0
26.0	45.9	64.1	17 000 *	53.2	66.6	20 600 *	57.2	67.7	21 400 *													26.0
28.0	41.0	62.0	15 300 *	48.8	65.0	18 300 *	53.1	66.2	19 500 *	59.6	67.6	18 300										28.0
30.0	35.4	59.5	13 800 *	44.1	63.1	16 400 *	48.7	64.6	18 000 *	55.5	66.4	16 700										30.0
32.0	29.0	56.3	12 600 *	38.9	60.8	14 800 *	43.9	62.7	16 400 *	51.3	64.9	15 300	57.8	66.1	14 100							32.0
34.0	20.9	52.0	11 400 *	33.1	58.1	13 400 *	38.8	60.4	14 800 *	46.7	63.1	14 100	53.6	64.7	13 000							34.0
36.0				26.2	54.6	12 200 *	32.9	57.7	13 400 *	41.8	61.1	13 100	49.3	63.1	12 000							36.0
38.0				16.9	49.5	11 100 *	26.0	54.1	12 200 *	36.4	58.6	12 100	44.6	61.2	11 100							38.0
40.0							16.5	49.0	11 000 *	30.2	55.6	11 300	39.5	59.0	10 400	47.0	61.0	9 400				40.0
42.0										22.5	51.6	10 600	33.7	56.3	9 700	42.1	58.9	8 800				42.0
44.0										10.4	44.8	9 900	27.0	52.9	9 000	36.7	56.5	8 200	44.3	58.3	7 400	44.0
46.0													18.0	48.1	8 500	30.5	53.5	7 700	39.1	56.1	7 000	46.0
48.0																22.9	49.5	7 200	33.3	53.3	6 500	48.0
50.0																11.3	43.0	6 800	26.5	49.9	6 100	50.0
52.0																			17.3	44.9	5 700	52.0



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



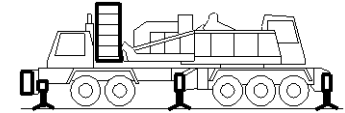
## 36.6m (120 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

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 Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	74.9	75.4	22 800 *																			12.2
14.0	72.0	74.8	22 200 *																			14.0
16.0	68.6	74.1	21 700 *																			16.0
18.0	65.2	73.3	21 200 *																			18.0
20.0	61.7	72.3	20 700 *	67.4	73.5	21 800 *																20.0
22.0	58.1	71.1	19 700 *	63.9	72.6	21 400 *																22.0
24.0	54.3	69.8	18 600 *	60.4	71.6	20 600 *	63.8	72.3	21 300 *													24.0
26.0	50.4	68.2	17 100 *	56.7	70.3	19 500 *	60.3	71.2	20 500 *													26.0
28.0	46.2	66.4	15 400 *	52.9	68.9	18 300 *	56.6	70.0	19 400 *													28.0
30.0	41.7	64.4	13 900 *	48.8	67.3	16 500 *	52.7	68.6	17 900	58.7	70.0	16 500										30.0
32.0	36.7	61.9	12 600 *	44.5	65.4	14 800 *	48.7	66.9	16 400	55.0	68.7	15 100										32.0
34.0	31.1	58.9	11 500 *	39.9	63.2	13 400 *	44.4	65.0	14 800 *	51.1	67.2	13 900	57.1	68.4	12 800							34.0
36.0	24.4	55.1	10 500 *	34.7	60.6	12 200 *	39.7	62.8	13 400 *	46.9	65.4	12 900	53.3	67.0	11 800							36.0
38.0	15.1	49.5	9 300 *	28.7	57.3	11 200 *	34.5	60.2	12 200 *	42.5	63.4	12 000	49.2	65.4	11 000							38.0
40.0				21.3	53.0	10 200 *	28.5	56.9	11 100 *	37.6	61.0	11 100	45.0	63.6	10 200	51.3	65.0	9 200				40.0
42.0							21.0	52.6	10 200 *	32.1	58.2	10 400	40.3	61.4	9 500	47.1	63.3	8 600				42.0
44.0							8.8	45.0	9 000 *	25.6	54.5	9 700	35.2	58.8	8 900	42.7	61.2	8 000				44.0
46.0										17.0	49.4	9 100	29.4	55.7	8 300	37.8	58.9	7 500	44.7	60.6	6 700	46.0
48.0													22.1	51.5	7 800	32.4	56.0	7 000	40.0	58.5	6 300	48.0
50.0													11.2	44.8	7 300	26.0	52.5	6 600	34.9	55.8	5 900	50.0
52.0																17.5	47.5	6 200	28.9	52.6	5 500	52.0
56.0																			10.1	41.3	4 800	56.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



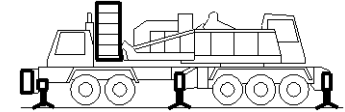
**36.6m (120 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib**

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	73.8	78.1	21 100 *																			13.7
14.0	73.4	78.0	21 000 *																			14.0
16.0	70.4	77.4	20 500 *																			16.0
18.0	67.3	76.6	20 000 *																			18.0
20.0	64.1	75.7	19 300 *	69.2	76.8	20 500 *																20.0
22.0	60.8	74.6	18 300 *	66.1	76.0	20 000 *																22.0
24.0	57.4	73.4	17 300 *	62.9	75.0	19 000 *	66.0	75.6	19 800 *													24.0
26.0	53.9	72.1	16 400 *	59.6	73.9	18 000 *	62.7	74.7	18 900 *													26.0
28.0	50.3	70.5	15 400 *	56.1	72.7	17 100 *	59.4	73.6	18 000 *													28.0
30.0	46.4	68.7	13 800 *	52.6	71.2	16 200 *	56.0	72.3	17 100 *													30.0
32.0	42.3	66.7	12 600 *	48.8	69.6	14 800 *	52.5	70.9	16 200 *	58.0	72.3	15 000										32.0
34.0	37.8	64.3	11 400 *	44.9	67.7	13 400 *	48.7	69.2	14 800 *	54.6	71.0	13 800										34.0
36.0	32.8	61.5	10 500 *	40.6	65.6	12 200 *	44.7	67.3	13 400 *	50.9	69.5	12 800										36.0
38.0	27.0	58.0	9 600 *	35.9	63.0	11 100 *	40.5	65.2	12 200 *	47.1	67.7	11 800	52.9	69.3	10 800							38.0
40.0	19.6	53.4	8 700 *	30.7	60.0	10 200 *	35.8	62.6	11 100 *	43.0	65.7	11 000	49.2	67.7	10 100							40.0
42.0				24.4	56.2	9 300 *	30.5	59.6	10 200 *	38.6	63.4	10 300	45.3	65.9	9 400	51.1	67.3	8 500				42.0
44.0				16.1	50.7	8 500 *	24.2	55.7	9 300 *	33.7	60.7	9 600	41.1	63.7	8 800	47.3	65.6	7 900				44.0
46.0							15.7	50.2	8 500 *	28.0	57.3	9 000	36.4	61.2	8 200	43.2	63.6	7 400				46.0
48.0										21.1	53.0	8 500	31.2	58.3	7 700	38.8	61.3	6 900	45.0	63.0	6 100	48.0
50.0										10.4	45.9	7 900	25.1	54.5	7 200	33.9	58.6	6 400	40.8	60.8	5 700	50.0
52.0													17.1	49.3	6 800	28.3	55.2	6 000	36.1	58.3	5 400	52.0
56.0																11.1	44.1	5 300	24.7	51.5	4 700	56.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



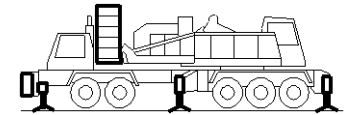
## 36.6m (120 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

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			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.0	81.3	19 800 *																			13.7
14.0	74.6	81.2	19 700 *																			14.0
16.0	71.8	80.6	19 200 *																			16.0
18.0	69.0	79.9	18 700 *																			18.0
20.0	66.1	79.0	17 700 *	70.7	80.0	19 000 *																20.0
22.0	63.1	78.1	16 700 *	67.9	79.3	18 400 *																22.0
24.0	60.0	77.0	15 800 *	64.9	78.4	17 400 *																24.0
26.0	56.9	75.8	14 900 *	61.9	77.4	16 500 *	64.8	78.1	17 300 *													26.0
28.0	53.6	74.4	14 100 *	58.8	76.3	15 600 *	61.8	77.1	16 400 *													28.0
30.0	50.2	72.8	13 300 *	55.7	75.0	14 800 *	58.7	75.9	15 600 *													30.0
32.0	46.6	71.1	12 500 *	52.3	73.5	13 900 *	55.5	74.6	14 700 *	60.6	75.9	14 800										32.0
34.0	42.8	69.0	11 400 *	48.9	71.9	13 100 *	52.2	73.2	13 900 *	57.4	74.7	13 600										34.0
36.0	38.7	66.7	10 400 *	45.2	70.0	12 100 *	48.7	71.5	13 100 *	54.2	73.3	12 600										36.0
38.0	34.1	64.0	9 500 *	41.3	67.9	11 000 *	45.0	69.7	12 100 *	50.8	71.8	11 600										38.0
40.0	29.0	60.7	8 700 *	37.0	65.4	10 100 *	41.1	67.5	11 000 *	47.2	70.1	10 800	52.7	71.7	9 800							40.0
42.0	22.9	56.6	8 000 *	32.3	62.5	9 300 *	36.8	65.1	10 100 *	43.5	68.1	10 100	49.2	70.0	9 100							42.0
44.0	14.5	50.7	7 100 *	26.8	59.0	8 500 *	32.1	62.1	9 200 *	39.4	65.8	9 400	45.6	68.2	8 500							44.0
46.0				20.1	54.4	7 800 *	26.6	58.6	8 500 *	35.0	63.2	8 800	41.7	66.1	8 000	47.4	67.9	7 100				46.0
48.0							19.8	53.9	7 800 *	29.9	60.0	8 300	37.4	63.7	7 500	43.6	65.9	6 700				48.0
50.0							9.0	46.1	7 000 *	24.0	56.1	7 800	32.8	60.8	7 000	39.6	63.7	6 300	45.3	65.3	5 500	50.0
52.0										16.2	50.6	7 300	27.4	57.4	6 600	35.2	61.0	5 900	41.4	63.1	5 200	52.0
56.0													11.1	45.9	5 800	24.3	54.0	5 100	32.5	57.8	4 500	56.0
60.0																			20.4	49.8	4 000	60.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	76.0	84.4	18 500 *																			13.7
14.0	75.7	84.3	18 400 *																			14.0
16.0	73.1	83.8	18 000 *																			16.0
18.0	70.4	83.1	17 300 *																			18.0
20.0	67.7	82.3	16 300 *																			20.0
22.0	65.0	81.5	15 400 *	69.4	82.6	16 900 *																22.0
24.0	62.2	80.5	14 500 *	66.7	81.7	16 000 *																24.0
26.0	59.3	79.4	13 700 *	64.0	80.8	15 200 *	66.6	81.4	15 900 *													26.0
28.0	56.4	78.1	12 900 *	61.1	79.8	14 300 *	63.9	80.5	15 100 *													28.0
30.0	53.3	76.7	12 200 *	58.2	78.6	13 500 *	61.0	79.4	14 300 *													30.0
32.0	50.1	75.1	11 400 *	55.2	77.3	12 700 *	58.1	78.3	13 500 *	62.7	79.3	14 500 *										32.0
34.0	46.8	73.3	10 800 *	52.1	75.8	12 000 *	55.1	77.0	12 700 *	59.8	78.2	13 600										34.0
36.0	43.2	71.3	10 100 *	48.9	74.2	11 300 *	52.0	75.5	11 900 *	56.9	77.0	12 500										36.0
38.0	39.4	69.1	9 500 *	45.4	72.3	10 600 *	48.7	73.8	11 300 *	53.8	75.6	11 600										38.0
40.0	35.3	66.4	8 700 *	41.8	70.2	10 000 *	45.3	72.0	10 600 *	50.7	74.1	10 800	55.5	75.4	9 800							40.0
42.0	30.7	63.4	8 100 *	37.9	67.8	9 300 *	41.7	69.9	10 000 *	47.4	72.3	10 100	52.4	74.0	9 100							42.0
44.0	25.3	59.6	7 400 *	33.6	65.1	8 500 *	37.8	67.4	9 300 *	43.8	70.4	9 400	49.2	72.3	8 500							44.0
46.0	18.6	54.7	6 800 *	28.8	61.8	7 800 *	33.4	64.7	8 500 *	40.1	68.2	8 800	45.8	70.5	7 900	50.8	71.9	7 100				46.0
48.0				23.0	57.6	7 200 *	28.6	61.3	7 800 *	36.0	65.6	8 200	42.2	68.4	7 400	47.5	70.2	6 600				48.0
50.0				15.4	51.9	6 600 *	22.8	57.2	7 200 *	31.5	62.6	7 700	38.3	66.1	7 000	44.0	68.2	6 200				50.0
52.0							15.1	51.3	6 600 *	26.3	59.0	7 300	34.1	63.3	6 500	40.3	66.0	5 800	45.6	67.6	5 100	52.0
56.0										10.4	46.9	6 400	23.7	56.1	5 800	31.7	60.5	5 100	38.0	63.1	4 400	56.0
60.0																20.3	52.3	4 500	28.9	57.0	3 900	60.0
64.0																			15.7	47.3	3 400	64.0

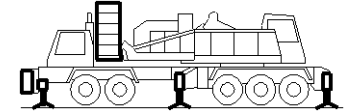


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



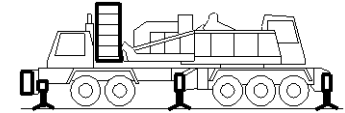
## 36.6m (120 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

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			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.1	87.2	16 900 *																			15.2
16.0	74.1	87.0	16 600 *																			16.0
18.0	71.7	86.3	15 800 *																			18.0
20.0	69.2	85.6	14 900 *																			20.0
22.0	66.7	84.8	14 000 *																			22.0
24.0	64.1	83.9	13 200 *	68.2	85.1	14 600 *																24.0
26.0	61.4	82.9	12 400 *	65.7	84.2	13 800 *																26.0
28.0	58.7	81.7	11 600 *	63.1	83.2	13 000 *	65.6	83.9	13 700 *													28.0
30.0	55.9	80.4	10 900 *	60.4	82.2	12 200 *	63.0	82.9	12 900 *													30.0
32.0	53.0	79.0	10 200 *	57.7	81.0	11 400 *	60.3	81.8	12 100 *													32.0
34.0	50.0	77.4	9 500 *	54.8	79.6	10 700 *	57.6	80.6	11 400 *	61.9	81.7	12 400 *										34.0
36.0	46.9	75.7	8 900 *	51.9	78.2	10 000 *	54.7	79.3	10 700 *	59.2	80.6	11 700 *										36.0
38.0	43.6	73.7	8 300 *	48.9	76.5	9 400 *	51.8	77.8	10 000 *	56.4	79.3	11 000 *										38.0
40.0	40.1	71.4	7 800 *	45.7	74.7	8 700 *	48.8	76.1	9 400 *	53.5	77.9	10 400 *										40.0
42.0	36.3	68.9	7 300 *	42.3	72.6	8 200 *	45.6	74.3	8 700 *	50.6	76.4	9 700 *	55.1	77.7	8 900							42.0
44.0	32.1	65.9	6 800 *	38.7	70.2	7 600 *	42.2	72.2	8 200 *	47.5	74.7	9 100 *	52.2	76.3	8 300							44.0
46.0	27.3	62.4	6 400 *	34.7	67.6	7 100 *	38.5	69.8	7 600 *	44.2	72.7	8 500 *	49.2	74.6	7 800							46.0
48.0	21.7	58.0	6 000 *	30.4	64.4	6 700 *	34.6	67.1	7 100 *	40.7	70.5	8 000 *	46.0	72.8	7 200	50.7	74.2	6 400				48.0
50.0	14.0	51.8	5 500 *	25.3	60.6	6 300 *	30.2	64.0	6 700 *	36.9	68.0	7 400 *	42.6	70.7	6 800	47.6	72.5	6 000				50.0
52.0				19.1	55.7	5 900 *	25.1	60.2	6 300 *	32.8	65.2	6 900 *	39.0	68.4	6 400	44.3	70.5	5 600				52.0
56.0							9.1	47.2	5 400 *	22.7	57.6	6 100 *	30.8	62.7	5 600	37.1	65.9	4 900	42.4	67.8	4 300	56.0
60.0													19.8	54.3	4 900	28.4	59.7	4 300	34.9	62.8	3 700	60.0
64.0																16.0	49.9	3 800	25.5	55.9	3 200	64.0
68.0																			10.1	43.5	2 800	68.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



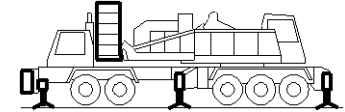
## 36.6m (120 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

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			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	76.0	90.3	15 200 *																			15.2
16.0	75.1	90.1	15 200 *																			16.0
18.0	72.8	89.5	14 600 *																			18.0
20.0	70.5	88.9	13 800 *																			20.0
22.0	68.1	88.1	12 900 *																			22.0
24.0	65.7	87.3	12 100 *	69.6	88.3	13 400 *																24.0
26.0	63.3	86.3	11 300 *	67.2	87.5	12 600 *																26.0
28.0	60.7	85.2	10 600 *	64.8	86.6	11 800 *	67.1	87.2	12 500 *													28.0
30.0	58.2	84.1	9 900 *	62.3	85.6	11 100 *	64.7	86.3	11 800 *													30.0
32.0	55.5	82.8	9 200 *	59.8	84.5	10 400 *	62.2	85.3	11 000 *													32.0
34.0	52.8	81.3	8 600 *	57.2	83.3	9 700 *	59.7	84.2	10 400 *													34.0
36.0	50.0	79.7	8 000 *	54.5	81.9	9 000 *	57.1	83.0	9 700 *	61.2	84.1	10 600 *										36.0
38.0	47.0	78.0	7 400 *	51.8	80.4	8 400 *	54.4	81.6	9 000 *	58.6	83.0	10 000 *										38.0
40.0	43.9	76.0	6 900 *	48.9	78.8	7 800 *	51.7	80.1	8 400 *	56.0	81.7	9 300 *										40.0
42.0	40.6	73.8	6 400 *	45.9	76.9	7 300 *	48.8	78.4	7 800 *	53.3	80.3	8 700 *										42.0
44.0	37.1	71.3	5 900 *	42.7	74.9	6 700 *	45.8	76.6	7 300 *	50.5	78.7	8 100 *	54.8	80.1	8 200							44.0
46.0	33.3	68.5	5 500 *	39.3	72.6	6 200 *	42.6	74.5	6 700 *	47.5	77.0	7 600 *	52.0	78.6	7 600							46.0
48.0	29.0	65.2	5 000 *	35.7	70.0	5 800 *	39.2	72.2	6 300 *	44.5	75.0	7 000 *	49.2	76.9	7 100							48.0
50.0	24.0	61.2	4 500 *	31.7	67.0	5 300 *	35.6	69.6	5 800 *	41.2	72.9	6 500 *	46.2	75.1	6 600	50.6	76.5	5 900				50.0
52.0	17.9	55.9	4 100 *	27.2	63.5	4 800 *	31.6	66.6	5 300 *	37.7	70.4	6 100 *	43.0	73.1	6 200	47.7	74.8	5 500				52.0
56.0				14.9	53.1	3 900 *	21.7	58.6	4 400 *	29.8	64.5	5 100 *	36.1	68.2	5 500	41.4	70.7	4 800	46.0	72.2	4 100	56.0
60.0										19.1	55.6	4 200 *	27.7	61.8	4 800	34.1	65.5	4 200	39.5	67.8	3 600	60.0
64.0													15.7	51.7	4 000 *	25.2	58.5	3 700	31.9	62.3	3 100	64.0
68.0																10.9	46.2	3 200	22.1	54.4	2 700	68.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



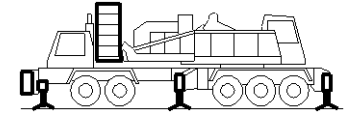
## 39.6m (130 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	68.3	62.9	42 300 *b																			10.7
12.0	64.4	62.3	40 800 *b																			12.0
14.0	58.3	61.2	37 500 *	68.8	62.7	36 500 *b																14.0
16.0	51.7	59.8	33 600 *	62.9	61.8	33 600 *b																16.0
18.0	44.5	58.0	28 200 *	56.7	60.6	31 000 *	63.2	61.5	29 900 *b													18.0
20.0	36.2	55.7	24 400 *	50.0	59.1	28 600 *	57.0	60.3	27 700 *													20.0
22.0	25.8	52.4	21 100 *	42.6	57.2	25 900 *	50.3	58.9	25 700 *													22.0
24.0				33.9	54.7	23 400 *	42.9	57.0	23 600 *	55.2	59.2	22 300 *										24.0
26.0				22.5	51.0	20 600 *	34.3	54.5	21 500 *	48.3	57.6	20 300										26.0
28.0							23.1	50.8	19 800 *	40.7	55.6	18 500	53.0	57.6	17 000							28.0
30.0										31.5	52.8	16 900	45.9	55.9	15 500							30.0
32.0										18.9	48.6	15 500	37.9	53.7	14 200	50.4	55.7	13 000				32.0
34.0													28.0	50.6	13 200	43.0	53.8	12 000				34.0
36.0																34.5	51.3	11 100				36.0
38.0																23.3	47.7	10 300				38.0
40.0																			39.4	51.1	9 300	40.0
42.0																			30.0	48.2	8 700	42.0
																			16.3	43.5	8 100	

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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

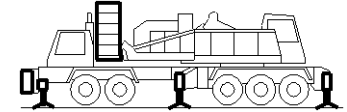
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	71.1	66.2	39 600 *b																			10.7
12.0	67.8	65.7	38 500 *b																			12.0
14.0	62.6	64.7	36 600 *																			14.0
16.0	57.2	63.6	33 400 *	66.5	65.2	33 100 *b																16.0
18.0	51.4	62.1	28 500 *	61.3	64.2	30 700 *																18.0
20.0	45.1	60.4	24 600 *	55.8	63.0	28 400 *	61.5	63.9	27 400 *													20.0
22.0	38.0	58.1	21 500 *	49.9	61.4	25 800 *	56.0	62.7	25 500 *													22.0
24.0	29.5	55.1	19 000 *	43.4	59.5	23 200 *	50.2	61.2	23 500 *													24.0
26.0				36.1	57.2	21 000 *	43.7	59.3	21 400 *	54.4	61.5	20 100										26.0
28.0				27.1	53.9	18 500 *	36.4	56.9	19 600 *	48.4	59.9	18 300										28.0
30.0				13.5	48.5	15 700 *	27.6	53.7	18 100 *	41.8	57.9	16 700	52.5	59.9	15 300							30.0
32.0							14.4	48.5	16 600 *	34.1	55.3	15 300	46.3	58.2	14 100							32.0
34.0										24.5	51.8	14 100	39.4	56.1	12 900	50.2	58.0	11 800				34.0
36.0													31.3	53.2	12 000	43.8	56.1	10 900				36.0
38.0													20.5	49.1	11 100	36.5	53.7	10 100				38.0
40.0																27.7	50.5	9 400	40.7	53.5	8 500	40.0
42.0																14.6	45.4	8 700	32.9	50.8	7 900	42.0
44.0																			22.8	47.0	7 400	44.0



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



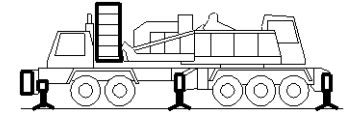
## 39.6m (130 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	73.3	69.4	35 600 *b																			10.7
12.0	70.4	68.9	34 600 *b																			12.0
14.0	65.9	68.1	32 900 *																			14.0
16.0	61.2	67.1	31 200 *	69.3	68.4	31 700 *b																16.0
18.0	56.3	65.9	28 500 *	64.7	67.6	29 600 *																18.0
20.0	51.1	64.4	24 700 *	60.0	66.6	27 600 *	64.9	67.3	26 500 *													20.0
22.0	45.5	62.7	21 600 *	55.1	65.3	25 500 *	60.2	66.3	24 800 *													22.0
24.0	39.3	60.5	19 100 *	49.8	63.7	23 100 *	55.3	65.0	23 200 *													24.0
26.0	32.2	57.7	17 100 *	44.1	61.9	21 000 *	50.0	63.5	21 200 *	58.9	65.2	20 000										26.0
28.0	23.2	53.9	15 200 *	37.7	59.6	18 600 *	44.3	61.6	19 400 *	53.8	63.8	18 100										28.0
30.0				30.2	56.6	16 700 *	38.0	59.3	17 900 *	48.5	62.2	16 600										30.0
32.0				20.4	52.4	14 900 *	30.6	56.4	16 600 *	42.6	60.2	15 200	52.1	62.2	13 900							32.0
34.0							21.0	52.3	15 000 *	36.0	57.8	14 100	46.6	60.5	12 800							34.0
36.0										28.2	54.6	13 000	40.6	58.4	11 900	50.1	60.3	10 800				36.0
38.0										17.3	49.8	12 100	33.6	55.8	11 000	44.4	58.4	10 000				38.0
40.0													25.1	52.2	10 200	38.1	56.1	9 300				40.0
42.0																30.7	53.2	8 600	41.7	55.8	7 800	42.0
44.0																21.1	49.1	8 100	35.0	53.3	7 200	44.0
46.0																			26.8	49.9	6 700	46.0
48.0																			15.1	44.7	6 300	48.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



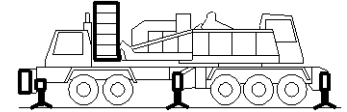
## 39.6m (130 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	75.0	72.5	32 700 *b																			10.7
12.0	72.4	72.1	31 800 *b																			12.0
14.0	68.4	71.4	30 400 *																			14.0
16.0	64.3	70.6	29 000 *																			16.0
18.0	60.1	69.5	27 400 *	67.4	70.9	28 700 *																18.0
20.0	55.6	68.2	24 700 *	63.3	70.0	26 800 *	67.6	70.6	25 700 *													20.0
22.0	50.9	66.7	21 600 *	59.0	68.9	25 100 *	63.5	69.7	24 200 *													22.0
24.0	45.9	65.0	19 100 *	54.5	67.6	22 900 *	59.2	68.6	22 600 *													24.0
26.0	40.4	62.8	17 100 *	49.7	66.0	20 800 *	54.7	67.3	21 000 *	62.3	68.7	19 600										26.0
28.0	34.2	60.2	15 300 *	44.6	64.2	18 600 *	49.9	65.8	19 200 *	57.9	67.5	17 900										28.0
30.0	26.8	56.8	13 800 *	38.9	61.9	16 700 *	44.8	63.9	17 600 *	53.4	66.1	16 400										30.0
32.0	16.6	51.8	12 200 *	32.5	59.2	15 000 *	39.2	61.7	16 300 *	48.5	64.5	15 000	56.5	66.0	13 700							32.0
34.0				24.6	55.5	13 500 *	32.8	59.0	15 100 *	43.3	62.6	13 800	51.8	64.6	12 600							34.0
36.0				12.9	49.6	11 700 *	25.0	55.3	13 600 *	37.5	60.2	12 800	46.9	62.8	11 700							36.0
38.0							13.7	49.7	12 300 *	30.8	57.3	11 900	41.5	60.8	10 800							38.0
40.0										22.4	53.3	11 100	35.4	58.2	10 100	44.9	60.7	9 000				40.0
42.0													28.3	55.0	9 400	39.3	58.5	8 500				42.0
44.0													18.9	50.5	8 800	32.9	55.8	7 900	42.5	58.1	7 000	44.0
46.0																25.1	52.2	7 400	36.6	55.7	6 500	46.0
48.0																13.8	46.5	6 900	29.7	52.7	6 100	48.0
50.0																			20.9	48.4	5 700	50.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



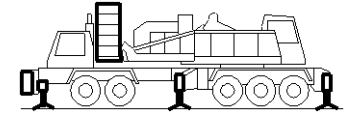
## 39.6m (130 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

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 Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	73.7	75.3	29 200 *																			12.2
14.0	70.5	74.7	28 200 *																			14.0
16.0	66.8	73.9	26 800 *																			16.0
18.0	63.0	73.0	25 500 *																			18.0
20.0	59.1	71.9	24 200 *	65.9	73.4	26 100 *																20.0
22.0	55.0	70.6	21 700 *	62.1	72.4	24 500 *	66.0	73.1	23 500 *													22.0
24.0	50.7	69.1	19 100 *	58.1	71.3	22 800 *	62.2	72.1	22 200 *													24.0
26.0	46.2	67.3	17 100 *	54.0	69.9	20 700 *	58.3	71.0	20 800 *													26.0
28.0	41.2	65.2	15 400 *	49.7	68.3	18 700 *	54.2	69.7	19 100 *	61.1	71.0	17 900										28.0
30.0	35.7	62.7	13 900 *	45.0	66.5	16 700 *	49.9	68.1	17 600 *	57.2	69.8	16 400										30.0
32.0	29.4	59.5	12 700 *	39.9	64.3	15 100 *	45.2	66.2	16 200 *	53.0	68.4	15 000										32.0
34.0	21.4	55.3	11 400 *	34.3	61.7	13 600 *	40.2	64.1	15 000 *	48.6	66.8	13 800	55.8	68.3	12 600							34.0
36.0				27.6	58.3	12 400 *	34.5	61.5	13 800 *	43.8	64.9	12 800	51.6	66.8	11 600							36.0
38.0				19.0	53.7	11 300 *	27.9	58.2	12 500 *	38.6	62.6	11 900	47.1	65.1	10 800							38.0
40.0							19.4	53.6	11 400 *	32.8	59.8	11 100	42.2	63.1	10 000	49.9	64.9	9 000				40.0
42.0										25.8	56.3	10 300	36.8	60.7	9 400	45.3	63.0	8 400				42.0
44.0										16.3	51.1	9 700	30.7	57.7	8 800	40.2	60.9	7 800				44.0
46.0													23.1	53.7	8 200	34.6	58.3	7 300	43.1	60.5	6 500	46.0
48.0																28.0	55.0	6 900	37.8	58.1	6 100	48.0
50.0																19.6	50.4	6 500	31.8	55.2	5 700	50.0
52.0																			24.6	51.5	5 300	52.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



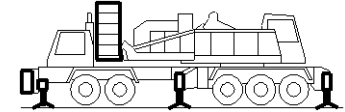
## 39.6m (130 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

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			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	75.1	78.4	22 400 *																			12.2
14.0	72.1	77.9	22 000 *																			14.0
16.0	68.8	77.2	21 400 *																			16.0
18.0	65.4	76.3	20 900 *																			18.0
20.0	61.9	75.4	20 400 *	68.0	76.7	21 600 *																20.0
22.0	58.3	74.2	19 700 *	64.6	75.8	21 200 *																22.0
24.0	54.6	72.9	18 600 *	61.0	74.8	20 600 *	64.7	75.5	20 800 *													24.0
26.0	50.6	71.3	17 200 *	57.4	73.6	19 600 *	61.2	74.5	19 700 *													26.0
28.0	46.4	69.6	15 400 *	53.6	72.2	18 500 *	57.6	73.3	18 700 *													28.0
30.0	41.9	67.5	14 000 *	49.6	70.6	16 800 *	53.8	72.0	17 400 *	60.2	73.4	16 100										30.0
32.0	37.0	65.1	12 700 *	45.3	68.8	15 100 *	49.8	70.4	16 100 *	56.5	72.2	14 800										32.0
34.0	31.4	62.2	11 500 *	40.8	66.7	13 700 *	45.5	68.6	14 900 *	52.7	70.7	13 700										34.0
36.0	24.8	58.4	10 500 *	35.7	64.1	12 400 *	41.0	66.4	13 800 *	48.6	69.1	12 600	55.3	70.6	11 400							36.0
38.0	15.7	53.0	9 400 *	29.9	61.0	11 300 *	35.9	63.9	12 500 *	44.3	67.2	11 700	51.4	69.2	10 600							38.0
40.0				22.9	57.0	10 300 *	30.2	60.8	11 400 *	39.6	65.0	10 900	47.2	67.4	9 800							40.0
42.0				12.5	50.7	9 100 *	23.2	56.9	10 400 *	34.4	62.3	10 200	42.8	65.4	9 200	49.8	67.2	8 200				42.0
44.0							13.1	50.8	9 500 *	28.4	59.0	9 500	38.0	63.1	8 600	45.6	65.3	7 600				44.0
46.0										20.8	54.7	8 900	32.5	60.2	8 000	41.0	63.2	7 100				46.0
48.0													26.1	56.7	7 500	36.0	60.7	6 700	43.6	62.8	5 800	48.0
50.0													17.7	51.7	7 100	30.3	57.6	6 300	38.9	60.5	5 500	50.0
52.0																23.3	53.7	5 900	33.5	57.8	5 100	52.0
56.0																			19.5	49.8	4 500	56.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



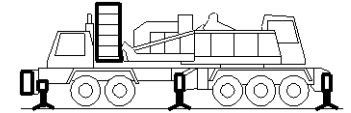
## 39.6m (130 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

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			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.0	81.2	20 800 *																			13.7
14.0	73.6	81.1	20 700 *																			14.0
16.0	70.5	80.4	20 200 *																			16.0
18.0	67.4	79.7	19 800 *																			18.0
20.0	64.3	78.8	19 200 *	69.8	80.0	20 200 *																20.0
22.0	61.0	77.7	18 200 *	66.6	79.2	19 900 *																22.0
24.0	57.6	76.6	17 300 *	63.5	78.2	19 100 *																24.0
26.0	54.1	75.2	16 400 *	60.2	77.2	18 100 *	63.6	77.9	19 100 *													26.0
28.0	50.5	73.7	15 400 *	56.8	75.9	17 300 *	60.3	76.9	18 200 *													28.0
30.0	46.6	71.9	13 900 *	53.3	74.5	16 400 *	56.9	75.7	17 200 *													30.0
32.0	42.5	69.9	12 600 *	49.6	72.9	15 100 *	53.4	74.3	15 900 *	59.4	75.8	14 600										32.0
34.0	38.0	67.5	11 500 *	45.6	71.1	13 600 *	49.7	72.7	14 700 *	55.9	74.5	13 500										34.0
36.0	33.0	64.7	10 500 *	41.4	69.0	12 400 *	45.8	70.9	13 700 *	52.4	73.1	12 500										36.0
38.0	27.3	61.3	9 700 *	36.9	66.6	11 300 *	41.6	68.8	12 500 *	48.6	71.4	11 600	54.8	73.0	10 400							38.0
40.0	20.1	56.7	8 800 *	31.7	63.6	10 300 *	37.1	66.3	11 400 *	44.7	69.5	10 800	51.2	71.5	9 700							40.0
42.0				25.7	60.0	9 500 *	32.0	63.4	10 400 *	40.4	67.3	10 000	47.4	69.7	9 000							42.0
44.0				17.9	55.0	8 700 *	26.0	59.8	9 600 *	35.7	64.8	9 400	43.3	67.8	8 400	49.8	69.5	7 500				44.0
46.0							18.3	54.9	8 700 *	30.4	61.7	8 800	38.9	65.5	7 900	45.9	67.7	7 000				46.0
48.0										24.0	57.8	8 300	34.0	62.8	7 400	41.7	65.6	6 500				48.0
50.0										15.5	52.2	7 700	28.5	59.5	6 900	37.1	63.1	6 100	44.0	65.1	5 300	50.0
52.0													21.6	55.2	6 500	32.0	60.2	5 700	39.7	62.9	5 000	52.0
56.0																18.4	51.7	5 000	29.5	57.1	4 400	56.0
60.0																			13.8	47.0	3 800	60.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.2	84.3	19 500 *																			13.7
14.0	74.8	84.3	19 400 *																			14.0
16.0	72.0	83.7	19 000 *																			16.0
18.0	69.1	83.0	18 500 *																			18.0
20.0	66.2	82.1	17 600 *																			20.0
22.0	63.2	81.2	16 700 *	68.4	82.5	18 400 *																22.0
24.0	60.2	80.1	15 800 *	65.5	81.6	17 500 *																24.0
26.0	57.0	78.9	14 900 *	62.5	80.6	16 600 *	65.6	81.3	17 400 *													26.0
28.0	53.8	77.5	14 100 *	59.4	79.5	15 700 *	62.6	80.3	16 600 *													28.0
30.0	50.4	76.0	13 400 *	56.3	78.3	14 900 *	59.6	79.2	15 800 *													30.0
32.0	46.8	74.2	12 500 *	53.0	76.8	14 100 *	56.4	78.0	15 000 *	61.8	79.3	14 500										32.0
34.0	43.0	72.2	11 400 *	49.5	75.2	13 300 *	53.1	76.6	14 100 *	58.7	78.1	13 300										34.0
36.0	38.9	69.9	10 400 *	45.9	73.4	12 300 *	49.7	75.0	13 400 *	55.5	76.8	12 300										36.0
38.0	34.4	67.2	9 600 *	42.0	71.3	11 200 *	46.0	73.2	12 400 *	52.1	75.4	11 400										38.0
40.0	29.3	64.0	8 800 *	37.8	68.9	10 300 *	42.2	71.1	11 300 *	48.7	73.7	10 600	54.4	75.3	9 500							40.0
42.0	23.2	59.9	8 000 *	33.2	66.2	9 400 *	38.0	68.7	10 300 *	45.0	71.8	9 900	51.0	73.8	8 800							42.0
44.0	15.0	54.2	7 200 *	27.9	62.8	8 600 *	33.4	66.0	9 500 *	41.0	69.7	9 200	47.5	72.0	8 200							44.0
46.0				21.5	58.4	7 900 *	28.2	62.6	8 700 *	36.8	67.2	8 600	43.7	70.1	7 700	49.7	71.8	6 800				46.0
48.0				12.2	51.8	7 100 *	21.8	58.3	8 000 *	32.0	64.3	8 100	39.7	67.8	7 200	46.1	69.9	6 300				48.0
50.0							12.8	51.9	7 300 *	26.5	60.7	7 600	35.3	65.2	6 700	42.2	67.9	5 900				50.0
52.0										19.7	56.0	7 100	30.3	62.1	6 300	38.1	65.5	5 500	44.4	67.4	4 800	52.0
56.0													16.9	53.0	5 500	28.2	59.4	4 900	36.1	62.7	4 100	56.0
60.0																12.9	48.7	4 300	25.6	56.0	3 600	60.0
64.0																			5.4	41.6	3 100	64.0

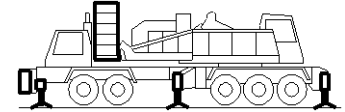


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



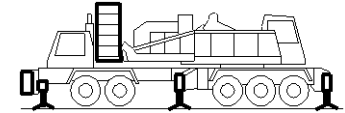
## 39.6m (130 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

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			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.2	87.1	17 900 *																			15.2
16.0	73.2	86.9	17 800 *																			16.0
18.0	70.6	86.2	17 200 *																			18.0
20.0	67.9	85.4	16 300 *																			20.0
22.0	65.1	84.6	15 400 *	69.9	85.7	16 900 *																22.0
24.0	62.4	83.6	14 500 *	67.2	84.9	16 100 *																24.0
26.0	59.5	82.5	13 700 *	64.5	84.0	15 200 *	67.3	84.7	16 000 *													26.0
28.0	56.5	81.2	12 900 *	61.7	83.0	14 500 *	64.6	83.7	15 200 *													28.0
30.0	53.5	79.8	12 200 *	58.8	81.9	13 600 *	61.8	82.7	14 400 *													30.0
32.0	50.3	78.3	11 500 *	55.8	80.6	12 900 *	58.9	81.6	13 700 *													32.0
34.0	46.9	76.5	10 800 *	52.7	79.2	12 100 *	55.9	80.3	12 900 *	61.0	81.6	13 300										34.0
36.0	43.4	74.5	10 200 *	49.5	77.5	11 400 *	52.8	78.9	12 200 *	58.1	80.5	12 200										36.0
38.0	39.6	72.2	9 600 *	46.1	75.7	10 700 *	49.6	77.3	11 500 *	55.1	79.2	11 300										38.0
40.0	35.5	69.7	8 800 *	42.5	73.7	10 100 *	46.2	75.5	10 800 *	51.9	77.7	10 600	57.1	79.0	9 400							40.0
42.0	30.9	66.6	8 100 *	38.7	71.3	9 400 *	42.7	73.4	10 200 *	48.7	76.0	9 800	54.1	77.6	8 800							42.0
44.0	25.7	62.9	7 400 *	34.4	68.6	8 600 *	38.8	71.1	9 500 *	45.3	74.1	9 200	50.9	76.1	8 200							44.0
46.0	19.1	58.0	6 800 *	29.7	65.4	8 000 *	34.6	68.4	8 700 *	41.6	72.0	8 600	47.6	74.3	7 600							46.0
48.0				24.2	61.5	7 300 *	29.9	65.3	8 000 *	37.7	69.6	8 000	44.1	72.4	7 200	49.7	74.1	6 300				48.0
50.0				17.1	56.2	6 800 *	24.5	61.4	7 400 *	33.4	66.8	7 500	40.4	70.2	6 700	46.3	72.3	5 900				50.0
52.0							17.4	56.2	6 800 *	28.5	63.5	7 100	36.3	67.7	6 300	42.7	70.2	5 500				52.0
56.0										14.9	53.4	6 300	26.7	61.1	5 600	34.7	65.2	4 800	41.0	67.6	4 100	56.0
60.0																24.5	58.2	4 200	32.7	62.2	3 600	60.0
64.0																4.3	42.6	3 700	21.7	54.5	3 100	64.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.2	90.2	16 700 *																			15.2
16.0	74.3	90.0	16 500 *																			16.0
18.0	71.8	89.4	15 700 *																			18.0
20.0	69.3	88.7	14 900 *																			20.0
22.0	66.8	87.9	14 000 *																			22.0
24.0	64.2	87.0	13 200 *	68.7	88.2	14 700 *																24.0
26.0	61.6	86.0	12 400 *	66.2	87.4	13 900 *																26.0
28.0	58.9	84.8	11 600 *	63.6	86.5	13 100 *	66.3	87.1	13 800 *													28.0
30.0	56.1	83.6	10 900 *	60.9	85.4	12 300 *	63.7	86.2	13 000 *													30.0
32.0	53.2	82.1	10 200 *	58.2	84.2	11 600 *	61.0	85.1	12 300 *													32.0
34.0	50.2	80.6	9 500 *	55.4	82.9	10 800 *	58.3	83.9	11 600 *													34.0
36.0	47.1	78.8	8 900 *	52.5	81.5	10 100 *	55.5	82.7	10 900 *	60.3	84.0	11 900 *										36.0
38.0	43.8	76.8	8 400 *	49.4	79.8	9 500 *	52.6	81.2	10 200 *	57.5	82.8	11 200										38.0
40.0	40.3	74.6	7 800 *	46.3	78.0	8 900 *	49.6	79.6	9 500 *	54.7	81.5	10 400										40.0
42.0	36.5	72.1	7 300 *	42.9	76.0	8 300 *	46.4	77.8	8 900 *	51.8	80.0	9 600	56.6	81.3	8 600							42.0
44.0	32.3	69.2	6 800 *	39.4	73.7	7 800 *	43.1	75.8	8 300 *	48.7	78.3	9 000	53.8	79.9	8 000							44.0
46.0	27.6	65.7	6 400 *	35.5	71.1	7 200 *	39.5	73.5	7 800 *	45.5	76.4	8 400	50.8	78.4	7 400							46.0
48.0	22.0	61.4	6 000 *	31.2	68.1	6 800 *	35.7	70.9	7 300 *	42.1	74.4	7 900	47.7	76.6	6 900							48.0
50.0	14.5	55.3	5 500 *	26.3	64.4	6 400 *	31.4	67.9	6 800 *	38.5	72.0	7 400	44.4	74.7	6 500	49.6	76.4	5 600				50.0
52.0				20.4	59.8	6 000 *	26.6	64.3	6 400 *	34.5	69.3	6 900	40.9	72.5	6 100	46.5	74.6	5 300				52.0
56.0							12.5	53.0	5 600 *	25.0	62.3	6 100	33.1	67.2	5 400	39.6	70.3	4 600	45.0	72.1	3 900	56.0
60.0													23.2	59.8	4 700	31.5	64.7	4 000	37.9	67.5	3 400	60.0
64.0																20.8	56.5	3 500	29.4	61.5	2 900	64.0
68.0																			17.6	52.3	2 500	68.0



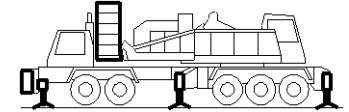


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



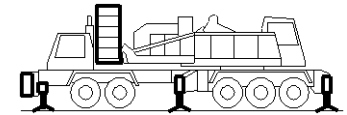
## 39.6m (130 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.4	93.0	14 800 *																			16.8
18.0	72.9	92.6	14 500 *																			18.0
20.0	70.6	92.0	13 700 *																			20.0
22.0	68.2	91.2	12 900 *																			22.0
24.0	65.8	90.4	12 100 *																			24.0
26.0	63.4	89.4	11 300 *	67.6	90.7	12 700 *																26.0
28.0	60.9	88.4	10 600 *	65.2	89.8	11 900 *																28.0
30.0	58.3	87.2	9 900 *	62.8	88.9	11 200 *	65.3	89.6	11 900 *													30.0
32.0	55.7	85.9	9 200 *	60.3	87.8	10 500 *	62.9	88.6	11 200 *													32.0
34.0	53.0	84.4	8 600 *	57.7	86.6	9 800 *	60.4	87.5	10 500 *													34.0
36.0	50.1	82.9	8 000 *	55.0	85.2	9 200 *	57.8	86.3	9 800 *													36.0
38.0	47.2	81.1	7 400 *	52.3	83.8	8 500 *	55.1	85.0	9 200 *	59.6	86.4	10 200 *										38.0
40.0	44.1	79.1	6 900 *	49.4	82.1	7 900 *	52.4	83.5	8 500 *	57.0	85.2	9 600 *										40.0
42.0	40.8	77.0	6 400 *	46.4	80.3	7 400 *	49.5	81.9	8 000 *	54.4	83.8	9 000 *										42.0
44.0	37.3	74.5	5 900 *	43.3	78.3	6 900 *	46.6	80.1	7 400 *	51.6	82.3	8 400 *	56.2	83.6	7 800							44.0
46.0	33.5	71.7	5 500 *	40.0	76.1	6 400 *	43.4	78.1	6 900 *	48.7	80.6	7 800 *	53.5	82.2	7 300							46.0
48.0	29.2	68.4	5 100 *	36.4	73.5	5 900 *	40.1	75.8	6 400 *	45.7	78.8	7 300 *	50.7	80.7	6 800							48.0
50.0	24.3	64.4	4 600 *	32.5	70.6	5 500 *	36.6	73.3	5 900 *	42.5	76.7	6 700 *	47.8	78.9	6 400							50.0
52.0	18.2	59.3	4 100 *	28.1	67.2	4 900 *	32.7	70.4	5 500 *	39.1	74.4	6 300 *	44.7	77.0	5 900	49.6	78.7	5 100				52.0
56.0				16.4	57.4	4 000 *	23.2	62.9	4 500 *	31.5	68.7	5 400 *	38.0	72.5	5 200	43.5	74.9	4 400				56.0
60.0										21.6	60.7	4 400 *	30.1	66.6	4 600	36.6	70.1	3 900	42.0	72.3	3 200	60.0
64.0													19.5	57.9	4 000	28.4	63.8	3 400	34.9	67.2	2 800	64.0
68.0																16.8	54.2	2 900	26.2	60.5	2 400	68.0
72.0																			13.0	49.2	2 000	72.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



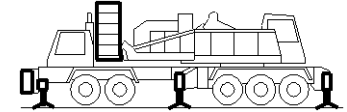
## 42.7m (140 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	68.6	66.0	41 800 *b																			10.7
12.0	64.7	65.4	39 900 *b																			12.0
14.0	58.6	64.3	36 600 *b																			14.0
16.0	52.1	63.0	33 200 *	64.1	65.0	32 300 *b																16.0
18.0	44.9	61.2	28 600 *	57.9	63.9	29 800 *																18.0
20.0	36.7	58.9	24 600 *	51.3	62.5	27 600 *	58.7	63.7	26 400 *b													20.0
22.0	26.4	55.6	21 300 *	44.1	60.7	25 500 *	52.2	62.3	24 600 *													22.0
24.0				35.7	58.2	23 000 *	45.0	60.5	22 800 *	57.7	62.7	20 900 *										24.0
26.0				25.0	54.8	21 000 *	36.8	58.2	21 100 *	51.1	61.2	19 500										26.0
28.0							26.5	55.0	19 400 *	43.8	59.4	18 200										28.0
30.0										35.4	57.0	16 600	49.7	59.7	15 100							30.0
32.0										24.6	53.5	15 200	42.2	57.8	13 800							32.0
34.0													33.5	55.2	12 800	47.9	57.8	11 500				34.0
36.0													21.9	51.4	11 800	40.2	55.7	10 700				36.0
38.0																30.9	52.9	9 900				38.0
40.0																			37.4	53.2	8 200	40.0
42.0																			27.3	50.0	7 600	42.0
44.0																			10.8	44.2	7 100	44.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



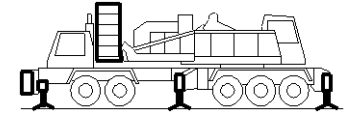
## 42.7m (140 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	71.4	69.2	38 800 *b																			10.7
12.0	68.1	68.7	38 000 *b																			12.0
14.0	62.9	67.8	36 000 *																			14.0
16.0	57.5	66.7	33 000 *	67.5	68.3	31 800 *b																16.0
18.0	51.7	65.3	28 900 *	62.3	67.4	29 500 *																18.0
20.0	45.4	63.5	24 800 *	56.8	66.2	27 400 *	63.0	67.2	26 100 *													20.0
22.0	38.4	61.3	21 700 *	51.0	64.8	25 300 *	57.5	66.0	24 300 *													22.0
24.0	30.0	58.3	19 100 *	44.7	63.0	22 900 *	51.8	64.6	22 700 *													24.0
26.0				37.5	60.7	20 800 *	45.5	62.8	20 900 *	56.7	65.0	19 400										26.0
28.0				29.0	57.6	19 000 *	38.5	60.6	19 200 *	50.8	63.5	18 000										28.0
30.0				16.9	52.9	16 500 *	30.1	57.7	17 700 *	44.5	61.7	16 400										30.0
32.0							18.8	53.3	16 300 *	37.3	59.4	15 100	49.6	62.0	13 600							32.0
34.0										28.7	56.3	13 900	43.1	60.1	12 600							34.0
36.0										16.4	51.5	12 800	35.7	57.7	11 600	48.0	60.1	10 400				36.0
38.0													26.6	54.4	10 800	41.3	58.1	9 700				38.0
40.0																33.6	55.5	9 000	45.9	57.7	8 000	40.0
42.0																23.8	51.8	8 400	39.0	55.5	7 400	42.0
44.0																			30.7	52.7	6 900	44.0
46.0																			19.7	48.4	6 400	46.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



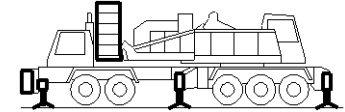
**42.7m (140 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib**

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	73.5	72.4	35 100 *b																			10.7
12.0	70.6	72.0	34 100 *b																			12.0
14.0	66.1	71.2	32 600 *																			14.0
16.0	61.5	70.2	31 000 *																			16.0
18.0	56.6	69.0	28 700 *	65.6	70.8	28 400 *																18.0
20.0	51.4	67.6	24 800 *	60.9	69.8	26 500 *	66.2	70.6	25 300 *													20.0
22.0	45.9	65.8	21 800 *	56.0	68.6	24 800 *	61.5	69.6	23 600 *													22.0
24.0	39.7	63.7	19 300 *	50.8	67.1	22 800 *	56.6	68.4	22 100 *													24.0
26.0	32.6	60.9	17 100 *	45.2	65.3	20 600 *	51.5	66.9	20 700 *	60.8	68.6	18 900 *										26.0
28.0	23.8	57.2	15 300 *	38.9	63.1	18 900 *	45.9	65.2	19 000 *	55.9	67.3	17 700										28.0
30.0				31.7	60.2	17 000 *	39.8	63.0	17 500 *	50.6	65.8	16 300										30.0
32.0				22.6	56.3	15 200 *	32.7	60.3	16 100 *	45.0	64.0	14 900	54.8	65.9	13 500							32.0
34.0							23.9	56.5	15 000 *	38.7	61.8	13 700	49.6	64.3	12 400							34.0
36.0										31.5	58.9	12 700	43.8	62.4	11 500							36.0
38.0										22.2	55.0	11 800	37.4	60.1	10 600	48.1	62.4	9 500				38.0
40.0													29.8	57.1	9 900	42.2	60.4	8 900				40.0
42.0													19.9	52.8	9 200	35.6	57.9	8 200				42.0
44.0																27.6	54.7	7 700				44.0
46.0																			40.2	57.9	6 800	46.0
48.0																			33.2	55.2	6 300	48.0
50.0																			24.5	51.6	5 900	50.0
																			10.7	45.3	5 500	

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



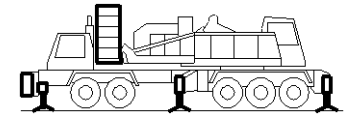
## 42.7m (140 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	75.2	75.6	32 100 *b																			10.7
12.0	72.6	75.2	31 300 *b																			12.0
14.0	68.6	74.5	30 100 *																			14.0
16.0	64.5	73.7	28 800 *																			16.0
18.0	60.3	72.6	27 300 *	68.2	74.1	27 500 *																18.0
20.0	55.9	71.4	24 800 *	64.1	73.2	25 800 *																20.0
22.0	51.2	69.9	21 700 *	59.8	72.2	24 100 *	64.6	73.0	23 000 *													22.0
24.0	46.2	68.1	19 200 *	55.3	70.9	22 400 *	60.3	71.9	21 600 *													24.0
26.0	40.7	66.0	17 100 *	50.6	69.4	20 400 *	55.9	70.7	20 300 *													26.0
28.0	34.5	63.4	15 400 *	45.6	67.6	18 700 *	51.2	69.2	18 800 *	59.7	70.9	17 300 *										28.0
30.0	27.2	60.1	13 900 *	40.0	65.4	17 000 *	46.2	67.5	17 200 *	55.2	69.6	16 100										30.0
32.0	17.3	55.2	12 300 *	33.8	62.8	15 300 *	40.8	65.4	15 900 *	50.5	68.1	14 700										32.0
34.0				26.3	59.3	13 800 *	34.6	62.8	14 700 *	45.4	66.3	13 600	54.3	68.2	12 200							34.0
36.0				15.8	54.1	12 200 *	27.3	59.4	13 700 *	39.9	64.2	12 600	49.5	66.6	11 300							36.0
38.0							17.4	54.6	12 600 *	33.6	61.5	11 700	44.4	64.8	10 500							38.0
40.0										26.0	58.0	10 900	38.7	62.5	9 700	48.2	64.7	8 600				40.0
42.0										15.3	52.7	10 100	32.2	59.7	9 100	43.0	62.7	8 000				42.0
44.0													24.2	56.0	8 500	37.1	60.4	7 500				44.0
46.0																30.3	57.4	7 000	41.1	60.2	6 100	46.0
48.0																21.8	53.3	6 500	35.0	57.7	5 700	48.0
50.0																			27.8	54.4	5 300	50.0
52.0																			18.2	49.7	5 000	52.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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			60 Degree Boom Angle			Jib Oper. Rad. m		
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms			
12.2	73.9	78.3	28 800 *b																			12.2		
14.0	70.7	77.8	27 800 *																			14.0		
16.0	67.0	77.0	26 600 *																			16.0		
18.0	63.2	76.1	25 300 *																			18.0		
20.0	59.3	75.0	24 100 *	66.6	76.6	25 100 *																20.0		
22.0	55.3	73.7	21 900 *	62.8	75.6	23 600 *																22.0		
24.0	51.0	72.2	19 300 *	58.9	74.5	22 200 *	63.3	75.4	21 100 *													24.0		
26.0	46.4	70.4	17 200 *	54.8	73.2	20 400 *	59.4	74.3	19 900 *													26.0		
28.0	41.5	68.4	15 500 *	50.5	71.7	18 600 *	55.3	73.0	18 700 *													28.0		
30.0	36.1	65.9	14 000 *	45.9	69.9	17 000 *	51.0	71.5	17 200 *	58.7	73.3	15 900										30.0		
32.0	29.8	62.8	12 700 *	40.9	67.8	15 400 *	46.5	69.8	15 900 *	54.7	72.0	14 700										32.0		
34.0	21.9	58.6	11 500 *	35.4	65.2	13 900 *	41.6	67.7	14 700 *	50.3	70.4	13 500										34.0		
36.0				29.0	62.0	12 600 *	36.1	65.2	13 700 *	45.7	68.6	12 500	53.8	70.5	11 200							36.0		
38.0				20.8	57.7	11 500 *	29.8	62.1	12 800 *	40.8	66.5	11 600	49.5	68.9	10 400							38.0		
40.0							22.0	58.0	11 700 *	35.2	63.9	10 800	44.8	67.1	9 700							40.0		
42.0										28.7	60.7	10 100	39.7	64.9	9 000	48.3	67.0	8 000				42.0		
44.0										20.5	56.4	9 400	34.0	62.2	8 400	43.5	65.1	7 400				44.0		
46.0													27.3	58.8	7 900	38.3	62.8	7 000	46.8	64.6	6 000	46.0		
48.0													18.5	54.1	7 400	32.4	59.9	6 500	41.9	62.6	5 600	48.0		
50.0																25.3	56.3	6 100	36.5	60.1	5 300	50.0		
52.0																					30.3	57.1	4 900	52.0
56.0																					10.6	46.3	4 300	56.0

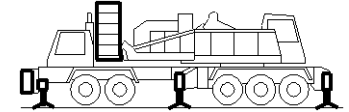


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



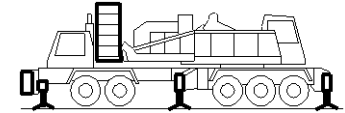
## 42.7m (140 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

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			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	75.3	81.5	22 100 *b																			12.2
14.0	72.3	81.0	21 600 *																			14.0
16.0	69.0	80.3	21 100 *																			16.0
18.0	65.6	79.4	20 600 *																			18.0
20.0	62.1	78.5	20 200 *	68.6	79.9	21 300 *																20.0
22.0	58.5	77.3	19 700 *	65.2	79.0	20 900 *																22.0
24.0	54.8	76.0	18 700 *	61.7	78.0	20 600 *	65.6	78.8	19 800 *													24.0
26.0	50.8	74.5	17 300 *	58.1	76.9	19 800 *	62.1	77.8	18 800 *													26.0
28.0	46.7	72.7	15 500 *	54.3	75.5	18 600 *	58.5	76.7	17 800 *													28.0
30.0	42.2	70.7	14 000 *	50.4	74.0	17 000 *	54.8	75.3	16 900 *													30.0
32.0	37.3	68.3	12 700 *	46.2	72.2	15 400 *	50.9	73.8	15 700 *	58.0	75.6	14 400 *										32.0
34.0	31.7	65.4	11 600 *	41.6	70.1	14 000 *	46.7	72.1	14 600 *	54.2	74.3	13 400 *										34.0
36.0	25.2	61.7	10 600 *	36.7	67.7	12 700 *	42.2	70.0	13 500 *	50.2	72.7	12 300 *										36.0
38.0	16.3	56.4	9 500 *	31.1	64.7	11 600 *	37.3	67.6	12 600 *	46.0	70.9	11 500 *	53.4	72.8	10 200 *							38.0
40.0				24.3	60.9	10 600 *	31.8	64.7	11 700 *	41.5	68.8	10 600 *	49.4	71.2	9 500 *							40.0
42.0				15.0	55.3	9 500 *	25.2	61.0	10 700 *	36.5	66.4	9 900 *	45.2	69.4	8 800 *							42.0
44.0							16.4	55.8	9 800 *	30.9	63.4	9 300 *	40.5	67.2	8 300 *	48.4	69.3	7 200 *				44.0
46.0										24.1	59.5	8 700 *	35.5	64.7	7 700 *	44.0	67.4	6 700 *				46.0
48.0										14.6	53.8	8 200 *	29.6	61.5	7 200 *	39.3	65.1	6 300 *				48.0
50.0													22.5	57.4	6 800 *	34.0	62.5	5 900 *	42.5	64.9	5 000 *	50.0
52.0																28.0	59.1	5 500 *	37.6	62.5	4 700 *	52.0
56.0																			25.7	56.1	4 100 *	56.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.1	84.2	20 500 *																			13.7
14.0	73.7	84.2	20 400 *																			14.0
16.0	70.7	83.5	19 900 *																			16.0
18.0	67.6	82.8	19 500 *																			18.0
20.0	64.4	81.9	19 100 *	70.3	83.1	20 000 *																20.0
22.0	61.2	80.8	18 200 *	67.2	82.3	19 600 *																22.0
24.0	57.8	79.7	17 300 *	64.1	81.4	19 100 *																24.0
26.0	54.3	78.3	16 400 *	60.8	80.4	18 200 *	64.5	81.2	18 300 *													26.0
28.0	50.7	76.8	15 500 *	57.4	79.2	17 400 *	61.2	80.2	17 400 *													28.0
30.0	46.8	75.0	14 000 *	53.9	77.8	16 500 *	57.8	79.0	16 500 *													30.0
32.0	42.7	73.0	12 700 *	50.3	76.3	15 400 *	54.4	77.7	15 600 *	60.7	79.2	14 100 *										32.0
34.0	38.3	70.7	11 600 *	46.4	74.5	13 900 *	50.7	76.1	14 400 *	57.3	78.0	13 200										34.0
36.0	33.3	67.9	10 600 *	42.2	72.4	12 600 *	46.9	74.4	13 400 *	53.8	76.6	12 200										36.0
38.0	27.6	64.5	9 700 *	37.7	70.1	11 500 *	42.8	72.4	12 400 *	50.1	75.0	11 300										38.0
40.0	20.5	60.0	8 800 *	32.7	67.2	10 500 *	38.3	70.0	11 600 *	46.3	73.2	10 500	53.1	75.1	9 300							40.0
42.0				26.9	63.7	9 700 *	33.4	67.3	10 700 *	42.1	71.2	9 800	49.4	73.5	8 700							42.0
44.0				19.6	59.1	8 800 *	27.7	63.9	9 800 *	37.6	68.8	9 200	45.5	71.7	8 100							44.0
46.0							20.6	59.4	9 000 *	32.6	65.9	8 600	41.2	69.6	7 600	48.4	71.6	6 600				46.0
48.0										26.7	62.4	8 000	36.6	67.1	7 100	44.4	69.7	6 100				48.0
50.0										19.3	57.7	7 500	31.5	64.1	6 600	40.1	67.5	5 800				50.0
52.0													25.4	60.4	6 300	35.4	64.9	5 400	43.0	67.2	4 500	52.0
56.0																23.6	57.8	4 700	33.7	62.2	4 000	56.0
60.0																			21.1	54.5	3 500	60.0



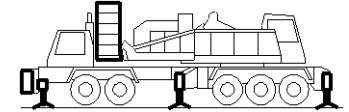


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



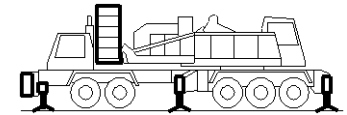
## 42.7m (140 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

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			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.3	87.4	19 200 *																			13.7
14.0	74.9	87.3	19 100 *																			14.0
16.0	72.1	86.7	18 700 *																			16.0
18.0	69.3	86.0	18 300 *																			18.0
20.0	66.4	85.2	17 600 *																			20.0
22.0	63.4	84.3	16 700 *	68.9	85.6	18 300 *																22.0
24.0	60.4	83.2	15 800 *	66.0	84.8	17 600 *																24.0
26.0	57.2	82.0	14 900 *	63.1	83.8	16 700 *	66.4	84.6	17 500 *													26.0
28.0	54.0	80.6	14 200 *	60.0	82.8	15 800 *	63.4	83.6	16 700 *													28.0
30.0	50.6	79.1	13 400 *	56.9	81.5	15 000 *	60.4	82.6	15 900 *													30.0
32.0	47.0	77.3	12 600 *	53.6	80.2	14 200 *	57.2	81.3	15 100 *	63.0	82.6	13 600 *										32.0
34.0	43.2	75.3	11 500 *	50.2	78.6	13 500 *	54.0	80.0	14 200 *	59.9	81.5	13 000										34.0
36.0	39.1	73.1	10 500 *	46.6	76.8	12 600 *	50.6	78.4	13 100 *	56.7	80.3	12 000										36.0
38.0	34.6	70.4	9 600 *	42.8	74.8	11 400 *	47.0	76.7	12 200 *	53.5	78.9	11 100										38.0
40.0	29.6	67.2	8 800 *	38.6	72.4	10 400 *	43.2	74.7	11 400 *	50.1	77.3	10 300	56.1	78.9	9 100							40.0
42.0	23.6	63.2	8 100 *	34.1	69.7	9 600 *	39.2	72.4	10 600 *	46.5	75.5	9 600	52.8	77.4	8 500							42.0
44.0	15.6	57.6	7 300 *	29.0	66.5	8 800 *	34.7	69.7	9 700 *	42.6	73.5	9 000	49.4	75.8	7 900							44.0
46.0				22.8	62.4	8 100 *	29.6	66.6	8 900 *	38.5	71.2	8 400	45.7	74.0	7 400	51.9	75.6	6 400				46.0
48.0				14.4	56.4	7 300 *	23.6	62.6	8 200 *	33.9	68.4	7 900	41.8	71.9	6 900	48.4	73.9	6 000				48.0
50.0							15.7	57.0	7 500 *	28.8	65.2	7 400	37.6	69.5	6 500	44.7	72.0	5 500				50.0
52.0										22.6	61.0	6 900	33.0	66.7	6 000	40.8	69.8	5 200	47.3	71.5	4 300	52.0
56.0													21.2	58.8	5 300	31.7	64.4	4 500	39.4	67.3	3 800	56.0
60.0																19.2	56.0	4 000	30.0	61.5	3 200	60.0
64.0																			16.3	52.2	2 800	64.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.3	90.2	17 600 *																			15.2
16.0	73.3	89.9	17 500 *																			16.0
18.0	70.7	89.3	17 000 *																			18.0
20.0	68.0	88.5	16 200 *																			20.0
22.0	65.3	87.7	15 400 *																			22.0
24.0	62.5	86.7	14 500 *	67.7	88.1	16 200 *																24.0
26.0	59.6	85.6	13 700 *	65.0	87.2	15 300 *																26.0
28.0	56.7	84.3	12 900 *	62.2	86.2	14 600 *	65.3	87.0	15 300 *													28.0
30.0	53.6	82.9	12 200 *	59.3	85.1	13 700 *	62.5	86.0	14 600 *													30.0
32.0	50.5	81.4	11 500 *	56.4	83.9	13 000 *	59.7	84.9	13 800 *													32.0
34.0	47.1	79.6	10 800 *	53.3	82.5	12 300 *	56.7	83.7	13 100 *	62.1	85.0	12 700 *										34.0
36.0	43.6	77.7	10 200 *	50.1	80.9	11 500 *	53.7	82.3	12 400 *	59.2	83.9	12 000										36.0
38.0	39.8	75.4	9 600 *	46.7	79.1	10 900 *	50.5	80.7	11 600 *	56.3	82.6	11 100										38.0
40.0	35.7	72.8	8 800 *	43.2	77.1	10 300 *	47.2	79.0	11 000 *	53.2	81.2	10 300										40.0
42.0	31.2	69.8	8 100 *	39.4	74.8	9 600 *	43.6	77.0	10 400 *	50.0	79.6	9 600	55.7	81.2	8 500							42.0
44.0	26.0	66.2	7 500 *	35.3	72.2	8 800 *	39.9	74.8	9 700 *	46.6	77.8	8 900	52.6	79.7	7 900							44.0
46.0	19.5	61.4	6 900 *	30.6	69.1	8 100 *	35.8	72.2	8 900 *	43.1	75.8	8 400	49.3	78.1	7 300							46.0
48.0				25.3	65.3	7 500 *	31.2	69.2	8 200 *	39.3	73.6	7 800	45.9	76.3	6 800	51.7	77.9	5 900				48.0
50.0				18.6	60.4	6 800 *	26.0	65.5	7 600 *	35.1	70.9	7 400	42.3	74.2	6 400	48.5	76.2	5 500				50.0
52.0							19.5	60.7	7 000 *	30.5	67.8	6 900	38.5	71.9	6 000	45.0	74.3	5 100				52.0
56.0										18.3	59.0	6 100	29.5	66.0	5 300	37.4	69.8	4 500	43.9	71.9	3 700	56.0
60.0													16.7	56.6	4 700	28.2	63.5	3 900	36.1	67.1	3 200	60.0
64.0																14.3	53.3	3 400	26.4	60.5	2 800	64.0
68.0																			10.5	48.5	2 400	68.0

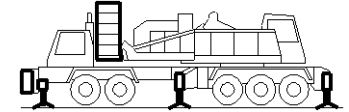


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



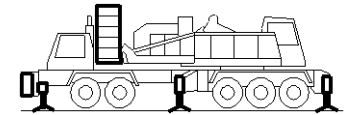
## 42.7m (140 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.3	93.3	16 400 *																			15.2
16.0	74.4	93.1	16 300 *																			16.0
18.0	72.0	92.5	15 700 *																			18.0
20.0	69.5	91.8	14 800 *																			20.0
22.0	66.9	91.0	14 000 *																			22.0
24.0	64.4	90.1	13 200 *	69.2	91.4	14 700 *																24.0
26.0	61.7	89.1	12 400 *	66.6	90.6	13 900 *																26.0
28.0	59.0	87.9	11 600 *	64.1	89.7	13 200 *	67.0	90.3	13 900 *													28.0
30.0	56.2	86.7	10 900 *	61.4	88.6	12 400 *	64.4	89.4	13 200 *													30.0
32.0	53.4	85.3	10 200 *	58.7	87.5	11 700 *	61.7	88.4	12 500 *													32.0
34.0	50.4	83.7	9 600 *	55.9	86.2	10 900 *	59.0	87.3	11 800 *													34.0
36.0	47.2	81.9	9 000 *	53.0	84.8	10 300 *	56.3	86.0	11 000 *	61.3	87.4	11 600 *										36.0
38.0	44.0	80.0	8 400 *	50.0	83.2	9 600 *	53.4	84.6	10 400 *	58.6	86.2	10 900 *										38.0
40.0	40.5	77.8	7 800 *	46.9	81.4	9 000 *	50.4	83.0	9 700 *	55.8	85.0	10 100 *										40.0
42.0	36.7	75.3	7 400 *	43.6	79.4	8 400 *	47.3	81.3	9 100 *	52.9	83.5	9 400 *										42.0
44.0	32.6	72.4	6 900 *	40.0	77.2	7 800 *	44.0	79.3	8 500 *	49.9	81.9	8 800 *	55.3	83.5	7 700 *							44.0
46.0	27.9	68.9	6 400 *	36.2	74.6	7 400 *	40.5	77.1	8 000 *	46.8	80.2	8 200 *	52.3	82.1	7 100 *							46.0
48.0	22.3	64.7	6 100 *	32.1	71.7	6 900 *	36.7	74.6	7 500 *	43.5	78.2	7 700 *	49.3	80.4	6 700 *							48.0
50.0	15.0	58.7	5 600 *	27.3	68.2	6 400 *	32.6	71.7	7 000 *	39.9	75.9	7 200 *	46.1	78.6	6 200 *							50.0
52.0				21.6	63.8	6 100 *	27.9	68.3	6 500 *	36.1	73.4	6 800 *	42.8	76.6	5 800 *	48.5	78.5	4 900 *				52.0
56.0							15.1	58.2	5 800 *	27.1	66.9	6 000 *	35.3	71.6	5 100 *	41.9	74.5	4 300 *				56.0
60.0										13.6	56.1	5 300 *	26.1	64.9	4 500 *	34.3	69.4	3 700 *	40.7	72.0	3 000 *	60.0
64.0													11.5	53.1	3 900 *	24.7	62.3	3 300 *	32.9	66.7	2 600 *	64.0
68.0																			22.8	59.1	2 200 *	68.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



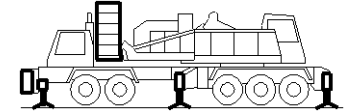
## 42.7m (140 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

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 Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.5	96.1	14 600 *																			16.8
18.0	73.0	95.7	14 300 *																			18.0
20.0	70.7	95.1	13 600 *																			20.0
22.0	68.4	94.3	12 800 *																			22.0
24.0	66.0	93.5	12 100 *																			24.0
26.0	63.5	92.5	11 300 *	68.1	93.9	12 800 *																26.0
28.0	61.0	91.5	10 600 *	65.7	93.0	12 000 *																28.0
30.0	58.5	90.3	9 900 *	63.2	92.1	11 300 *	66.0	92.8	12 000 *													30.0
32.0	55.8	89.0	9 200 *	60.7	91.0	10 600 *	63.5	91.8	11 300 *													32.0
34.0	53.1	87.6	8 600 *	58.2	89.8	9 900 *	61.0	90.8	10 700 *													34.0
36.0	50.3	86.0	8 000 *	55.5	88.5	9 300 *	58.5	89.6	10 000 *													36.0
38.0	47.3	84.2	7 500 *	52.8	87.1	8 600 *	55.8	88.3	9 400 *	60.6	89.8	10 400 *										38.0
40.0	44.3	82.3	6 900 *	50.0	85.5	8 000 *	53.1	86.9	8 700 *	58.1	88.6	9 800 *										40.0
42.0	41.0	80.1	6 500 *	47.0	83.7	7 500 *	50.3	85.3	8 100 *	55.4	87.3	9 200 *										42.0
44.0	37.5	77.7	6 000 *	43.9	81.7	6 900 *	47.4	83.6	7 600 *	52.7	85.8	8 600 *										44.0
46.0	33.7	74.9	5 600 *	40.6	79.5	6 500 *	44.3	81.6	7 000 *	49.9	84.2	8 000 *	54.9	85.8	7 000							46.0
48.0	29.5	71.6	5 100 *	37.1	77.1	6 000 *	41.0	79.5	6 500 *	46.9	82.4	7 500 *	52.1	84.4	6 500							48.0
50.0	24.6	67.7	4 600 *	33.2	74.2	5 500 *	37.5	77.0	6 100 *	43.8	80.5	7 000 *	49.3	82.7	6 100							50.0
52.0	18.6	62.7	4 100 *	29.0	70.9	5 100 *	33.7	74.2	5 600 *	40.5	78.3	6 500 *	46.3	80.9	5 700	51.4	82.5	4 800				52.0
56.0				17.8	61.7	4 100 *	24.7	67.1	4 600 *	33.1	72.9	5 600 *	39.8	76.6	5 000	45.5	78.9	4 100				56.0
60.0										23.8	65.6	4 600 *	32.3	71.1	4 400	38.9	74.5	3 600	44.5	76.5	2 800	60.0
64.0										7.3	51.2	3 700 *	22.7	63.5	3 800	31.2	68.8	3 100	37.8	71.9	2 400	64.0
68.0																21.2	60.7	2 700	29.8	66.0	2 000	68.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



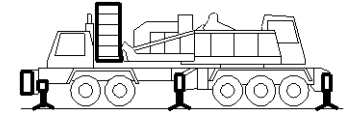
## 45.7m (150 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	68.9	69.1	40 800 *b																			10.7
12.0	65.0	68.5	40 000 *b																			12.0
14.0	59.0	67.5	37 100 *b																			14.0
16.0	52.5	66.1	33 700 *	65.2	68.2	34 800 *b																16.0
18.0	45.3	64.3	28 800 *	59.1	67.1	31 500 *b																18.0
20.0	37.2	62.1	24 800 *	52.6	65.8	27 800 *	60.3	67.0	27 800 *b													20.0
22.0	27.1	58.9	21 500 *	45.5	64.1	24 900 *	53.9	65.7	24 900 *													22.0
24.0				37.3	61.8	22 500 *	47.0	64.1	22 500 *													24.0
26.0				27.3	58.6	20 500 *	39.1	61.9	20 500 *	53.8	64.8	19 400										26.0
28.0							29.6	59.0	18 800 *	46.8	63.1	17 600										28.0
30.0							15.5	54.2	17 300 *	38.9	61.0	16 100	53.3	63.4	14 400							30.0
32.0										29.3	58.0	14 800	46.3	61.7	13 200							32.0
34.0													38.3	59.5	12 200							34.0
36.0													28.5	56.5	11 300	45.3	59.9	9 900				36.0
38.0													13.4	51.3	10 400	37.1	57.6	9 200				38.0
40.0																27.0	54.4	8 500				40.0
42.0																			43.7	57.6	7 400	42.0
44.0																			24.4	51.6	6 400	44.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



## 45.7m (150 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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	71.7	72.3	37 600 *b																			10.7
12.0	68.3	71.8	37 300 *b																			12.0
14.0	63.2	70.9	35 700 *b																			14.0
16.0	57.8	69.8	33 200 *	68.4	71.5	33 700 *b																16.0
18.0	52.0	68.4	29 200 *	63.3	70.6	31 200 *																18.0
20.0	45.8	66.7	25 000 *	57.9	69.5	27 700 *	64.3	70.4	27 700 *b													20.0
22.0	38.8	64.5	21 800 *	52.1	68.1	24 800 *	59.0	69.4	24 700 *													22.0
24.0	30.5	61.6	19 300 *	45.9	66.3	22 400 *	53.3	68.0	22 300 *													24.0
26.0				39.0	64.2	20 400 *	47.2	66.4	20 300 *	58.9	68.4	19 100										26.0
28.0				30.7	61.3	18 600 *	40.4	64.3	18 600 *	53.2	67.1	17 400										28.0
30.0				19.7	57.0	17 100 *	32.5	61.6	17 100 *	47.1	65.4	15 900										30.0
32.0							22.3	57.7	15 800 *	40.3	63.3	14 600	52.8	65.7	13 000							32.0
34.0										32.3	60.6	13 400	46.6	64.0	12 000							34.0
36.0										22.0	56.7	12 500	39.7	61.9	11 100							36.0
38.0													31.7	59.1	10 200	45.7	62.2	9 000				38.0
40.0													21.1	55.1	9 500	38.7	60.0	8 300				40.0
42.0																30.5	57.1	7 800	44.4	59.9	6 600	42.0
44.0																19.3	52.8	7 200	37.2	57.6	6 200	44.0
46.0																			28.5	54.5	5 800	46.0
48.0																			16.0	49.6	5 400	48.0

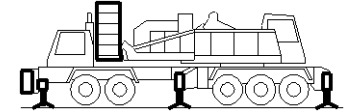


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



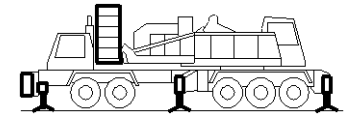
## 45.7m (150 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	73.8	75.5	34 100 *b																			10.7
12.0	70.8	75.1	33 500 *b																			12.0
14.0	66.4	74.3	32 300 *																			14.0
16.0	61.7	73.3	30 700 *																			16.0
18.0	56.8	72.2	28 800 *	66.4	74.0	30 100 *																18.0
20.0	51.7	70.7	25 100 *	61.8	73.0	27 600 *	67.4	73.8	27 500 *b													20.0
22.0	46.2	69.0	21 900 *	56.9	71.8	24 600 *	62.8	72.8	24 500 *													22.0
24.0	40.0	66.8	19 400 *	51.8	70.4	22 200 *	57.9	71.7	22 100 *													24.0
26.0	33.0	64.1	17 300 *	46.3	68.7	20 200 *	52.9	70.3	20 100 *	62.6	71.9	19 000										26.0
28.0	24.3	60.5	15 400 *	40.2	66.5	18 400 *	47.4	68.7	18 400 *	57.8	70.8	17 300										28.0
30.0				33.2	63.8	17 000 *	41.5	66.6	16 900 *	52.7	69.4	15 700										30.0
32.0				24.5	60.2	15 600 *	34.7	64.1	15 600 *	47.3	67.7	14 500	57.5	69.4	12 800							32.0
34.0							26.5	60.7	14 500 *	41.3	65.7	13 300	52.4	68.0	11 800							34.0
36.0							14.5	55.3	13 600 *	34.5	63.1	12 300	46.9	66.3	10 900							36.0
38.0										26.2	59.7	11 500	40.8	64.2	10 100							38.0
40.0													34.0	61.6	9 400	46.1	64.5	8 200				40.0
42.0													25.5	58.1	8 800	40.0	62.4	7 600				42.0
44.0													12.8	52.4	8 200	33.0	59.7	7 100				44.0
46.0																24.2	56.0	6 600	38.6	60.0	5 600	46.0
48.0																			31.3	57.1	5 300	48.0
50.0																			22.0	53.1	4 900	50.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



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

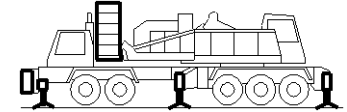
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	75.4	78.7	31 400 *b																			10.7
12.0	72.8	78.3	30 700 *b																			12.0
14.0	68.8	77.6	29 600 *																			14.0
16.0	64.8	76.7	28 500 *																			16.0
18.0	60.5	75.7	27 100 *																			18.0
20.0	56.1	74.5	25 000 *	64.8	76.4	27 300 *																20.0
22.0	51.4	73.0	21 900 *	60.6	75.4	24 400 *	65.7	76.2	24 300 *													22.0
24.0	46.4	71.3	19 300 *	56.2	74.2	21 900 *	61.5	75.2	21 900 *													24.0
26.0	41.0	69.2	17 200 *	51.5	72.7	20 000 *	57.1	74.1	19 900 *													26.0
28.0	34.9	66.6	15 500 *	46.5	71.0	18 200 *	52.5	72.6	18 200 *	61.4	74.3	17 000										28.0
30.0	27.6	63.3	14 000 *	41.1	68.9	16 700 *	47.6	71.0	16 700 *	57.0	73.1	15 500										30.0
32.0	17.9	58.6	12 400 *	35.0	66.3	15 500 *	42.3	69.0	15 400 *	52.4	71.7	14 200										32.0
34.0				27.8	63.0	14 100 *	36.3	66.5	14 300 *	47.5	70.0	13 100	56.7	71.8	11 600							34.0
36.0				18.2	58.3	12 700 *	29.4	63.4	13 300 *	42.1	68.0	12 100	52.0	70.3	10 700							36.0
38.0							20.4	59.1	12 400 *	36.2	65.5	11 300	47.1	68.6	9 900							38.0
40.0										29.2	62.4	10 500	41.7	66.6	9 200	51.4	68.6	8 000				40.0
42.0										20.2	58.1	9 800	35.7	64.1	8 600	46.4	66.8	7 400				42.0
44.0													28.6	60.9	8 000	41.0	64.7	6 900				44.0
46.0													19.4	56.4	7 500	34.8	62.2	6 400	45.3	64.5	5 400	46.0
48.0																27.6	58.8	6 000	39.7	62.3	5 000	48.0
50.0																17.8	54.1	5 600	33.4	59.6	4 700	50.0
52.0																			25.8	56.1	4 400	52.0



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



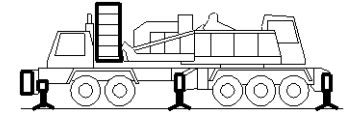
## 45.7m (150 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	74.1	81.4	28 300 *b																			12.2
14.0	70.8	80.8	27 400 *																			14.0
16.0	67.2	80.1	26 300 *																			16.0
18.0	63.4	79.2	25 100 *																			18.0
20.0	59.5	78.1	24 000 *	67.3	79.8	26 400 *																20.0
22.0	55.5	76.8	22 100 *	63.5	78.8	24 400 *																22.0
24.0	51.2	75.3	19 400 *	59.6	77.8	21 900 *	64.3	78.7	21 800 *													24.0
26.0	46.7	73.6	17 300 *	55.6	76.5	19 900 *	60.4	77.6	19 800 *													26.0
28.0	41.8	71.5	15 600 *	51.3	75.0	18 200 *	56.4	76.4	18 100 *													28.0
30.0	36.4	69.1	14 100 *	46.8	73.3	16 700 *	52.2	74.9	16 600 *	60.3	76.7	15 500										30.0
32.0	30.1	66.0	12 800 *	41.9	71.2	15 400 *	47.7	73.3	15 400 *	56.3	75.4	14 200										32.0
34.0	22.4	62.0	11 600 *	36.5	68.8	14 200 *	42.9	71.3	14 200 *	52.1	74.0	13 100										34.0
36.0				30.2	65.7	12 900 *	37.6	68.9	13 200 *	47.6	72.3	12 100	56.0	74.1	10 700							36.0
38.0				22.6	61.7	11 700 *	31.6	66.0	12 300 *	42.8	70.3	11 200	51.8	72.7	9 900							38.0
40.0							24.3	62.2	11 600 *	37.5	68.0	10 500	47.3	70.9	9 200							40.0
42.0							13.8	56.5	10 700 *	31.4	65.0	9 800	42.4	68.9	8 500	51.2	70.9	7 300				42.0
44.0										24.1	61.2	9 100	37.1	66.5	8 000	46.6	69.1	6 800				44.0
46.0													31.0	63.6	7 500	41.7	67.1	6 400				46.0
48.0													23.5	59.7	7 000	36.3	64.6	6 000	45.7	66.8	5 000	48.0
50.0													12.4	53.5	6 600	30.1	61.5	5 600	40.7	64.7	4 600	50.0
52.0																22.3	57.5	5 200	35.1	62.1	4 300	52.0
56.0																			20.3	54.5	3 800	56.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



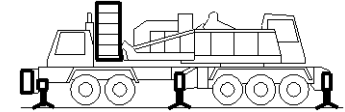
**45.7m (150 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib**

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	75.4	84.6	21 700 *b																			12.2
14.0	72.5	84.1	21 300 *																			14.0
16.0	69.2	83.4	20 800 *																			16.0
18.0	65.8	82.5	20 300 *																			18.0
20.0	62.3	81.6	20 000 *	69.2	83.0	21 000 *																20.0
22.0	58.7	80.4	19 500 *	65.9	82.2	20 700 *																22.0
24.0	55.0	79.1	18 600 *	62.4	81.2	20 300 *																24.0
26.0	51.0	77.6	17 400 *	58.8	80.1	19 800 *	63.1	81.1	19 700 *													26.0
28.0	46.9	75.9	15 600 *	55.0	78.8	18 100 *	59.5	80.0	18 000 *													28.0
30.0	42.4	73.8	14 100 *	51.1	77.3	16 600 *	55.8	78.7	16 500 *													30.0
32.0	37.5	71.5	12 800 *	47.0	75.6	15 300 *	51.9	77.2	15 200 *	59.4	79.1	14 000										32.0
34.0	32.1	68.6	11 700 *	42.5	73.6	14 100 *	47.8	75.6	14 100 *	55.7	77.8	12 900										34.0
36.0	25.5	64.9	10 600 *	37.6	71.2	12 900 *	43.4	73.6	13 100 *	51.8	76.3	11 900										36.0
38.0	16.9	59.8	9 600 *	32.2	68.3	11 800 *	38.7	71.3	12 200 *	47.7	74.6	11 100										38.0
40.0				25.7	64.7	10 700 *	33.3	68.6	11 400 *	43.3	72.7	10 300	51.5	74.9	8 900							40.0
42.0				17.1	59.6	9 800 *	27.1	65.1	10 700 *	38.5	70.3	9 600	47.4	73.2	8 400							42.0
44.0							19.1	60.4	10 000 *	33.2	67.6	9 000	43.0	71.3	7 800							44.0
46.0										26.9	64.1	8 400	38.2	68.9	7 300	46.8	71.4	6 100				46.0
48.0										18.9	59.4	7 900	32.8	66.1	6 800	42.4	69.4	5 800				48.0
50.0													26.4	62.6	6 400	37.5	67.0	5 400				50.0
52.0													18.2	57.7	6 000	32.0	64.1	5 000	41.4	67.0	4 100	52.0
56.0																16.8	55.3	4 400	30.7	61.5	3 600	56.0
60.0																			14.3	51.9	3 100	60.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



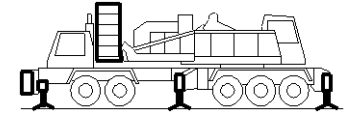
## 45.7m (150 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.3	87.3	20 100 *																			13.7
14.0	73.9	87.2	20 100 *																			14.0
16.0	70.8	86.6	19 600 *																			16.0
18.0	67.8	85.9	19 200 *																			18.0
20.0	64.6	85.0	18 800 *																			20.0
22.0	61.3	83.9	18 100 *	67.8	85.5	19 400 *																22.0
24.0	58.0	82.8	17 200 *	64.7	84.7	19 000 *																24.0
26.0	54.5	81.4	16 300 *	61.4	83.6	18 200 *	65.3	84.5	19 000 *													26.0
28.0	50.9	79.9	15 500 *	58.1	82.5	17 400 *	62.1	83.5	17 900 *													28.0
30.0	47.0	78.2	14 100 *	54.6	81.1	16 400 *	58.7	82.3	16 300 *													30.0
32.0	43.0	76.2	12 800 *	51.0	79.6	15 100 *	55.3	81.0	15 100 *	62.0	82.5	13 900										32.0
34.0	38.5	73.9	11 600 *	47.1	77.9	14 000 *	51.7	79.6	13 900 *	58.7	81.4	12 800										34.0
36.0	33.6	71.1	10 700 *	43.0	75.9	12 900 *	47.9	77.9	12 900 *	55.2	80.1	11 800										36.0
38.0	28.0	67.8	9 700 *	38.6	73.6	11 700 *	43.9	75.9	12 000 *	51.6	78.6	10 900										38.0
40.0	21.0	63.4	8 900 *	33.7	70.8	10 700 *	39.5	73.7	11 200 *	47.8	76.9	10 200	55.0	78.7	8 800							40.0
42.0				28.1	67.5	9 800 *	34.7	71.0	10 500 *	43.8	75.0	9 500	51.3	77.2	8 200							42.0
44.0				21.1	63.1	9 000 *	29.3	67.8	9 800 *	39.4	72.7	8 900	47.5	75.5	7 600							44.0
46.0							22.7	63.7	9 200 *	34.6	70.1	8 300	43.5	73.6	7 100	50.8	75.5	6 000				46.0
48.0							13.3	57.6	8 300 *	29.1	66.8	7 700	39.1	71.3	6 700	47.0	73.7	5 600				48.0
50.0										22.5	62.7	7 300	34.3	68.6	6 200	42.9	71.7	5 200				50.0
52.0													28.7	65.3	5 900	38.5	69.4	4 900	46.2	71.4	4 000	52.0
56.0													12.0	54.6	5 100	27.9	63.3	4 300	37.5	67.0	3 400	56.0
60.0																			26.6	60.6	2 900	60.0
64.0																			5.6	46.7	2 500	64.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



## 45.7m (150 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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.5	90.5	18 900 *																			13.7
14.0	75.1	90.4	18 800 *																			14.0
16.0	72.3	89.8	18 400 *																			16.0
18.0	69.4	89.1	18 100 *																			18.0
20.0	66.5	88.3	17 400 *																			20.0
22.0	63.6	87.4	16 600 *	69.5	88.8	18 100 *																22.0
24.0	60.5	86.3	15 700 *	66.6	88.0	17 600 *																24.0
26.0	57.4	85.1	14 900 *	63.6	87.1	16 700 *	67.2	87.8	17 500 *													26.0
28.0	54.1	83.8	14 100 *	60.6	86.0	15 900 *	64.2	86.9	16 700 *													28.0
30.0	50.7	82.2	13 400 *	57.4	84.8	15 100 *	61.2	85.8	16 000 *													30.0
32.0	47.2	80.5	12 700 *	54.2	83.4	14 300 *	58.1	84.7	14 800 *													32.0
34.0	43.4	78.5	11 500 *	50.8	81.9	13 500 *	54.9	83.4	13 700 *	61.1	84.9	12 500										34.0
36.0	39.3	76.2	10 600 *	47.3	80.2	12 700 *	51.5	81.9	12 700 *	58.0	83.7	11 600										36.0
38.0	34.9	73.6	9 700 *	43.5	78.2	11 600 *	48.0	80.2	11 800 *	54.8	82.4	10 700										38.0
40.0	29.9	70.4	8 900 *	39.4	75.9	10 600 *	44.3	78.2	11 000 *	51.4	80.9	10 000										40.0
42.0	23.9	66.5	8 100 *	35.0	73.3	9 700 *	40.3	76.0	10 300 *	47.9	79.2	9 300	54.5	81.1	8 000							42.0
44.0	16.1	61.0	7 300 *	30.0	70.2	8 900 *	35.9	73.5	9 600 *	44.2	77.3	8 700	51.2	79.6	7 400							44.0
46.0				24.1	66.2	8 200 *	31.0	70.5	9 000 *	40.2	75.1	8 100	47.6	77.8	6 900							46.0
48.0				16.3	60.8	7 500 *	25.4	66.7	8 400 *	35.8	72.5	7 600	43.9	75.9	6 500	50.7	77.8	5 400				48.0
50.0							18.1	61.7	7 700 *	30.9	69.5	7 100	39.9	73.7	6 000	47.2	76.0	5 000				50.0
52.0										25.2	65.7	6 700	35.5	71.1	5 700	43.4	74.0	4 700				52.0
56.0													24.8	64.2	5 000	34.9	69.1	4 000	42.6	71.7	3 200	56.0
60.0																23.9	62.0	3 500	33.9	66.6	2 700	60.0
64.0																			22.5	59.1	2 300	64.0

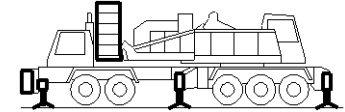


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



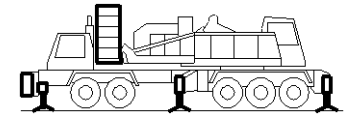
## 45.7m (150 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms			
15.2	74.5	93.2	17 400 *																			15.2		
16.0	73.5	93.0	17 200 *																			16.0		
18.0	70.8	92.4	16 900 *																			18.0		
20.0	68.2	91.6	16 100 *																			20.0		
22.0	65.4	90.8	15 300 *																			22.0		
24.0	62.7	89.8	14 400 *	68.2	91.3	16 100 *																24.0		
26.0	59.8	88.7	13 700 *	65.5	90.4	15 300 *																26.0		
28.0	56.9	87.5	12 900 *	62.7	89.5	14 600 *	66.0	90.2	15 400 *													28.0		
30.0	53.8	86.1	12 200 *	59.9	88.4	13 800 *	63.3	89.3	14 600 *													30.0		
32.0	50.6	84.5	11 500 *	56.9	87.1	13 100 *	60.4	88.2	13 900 *													32.0		
34.0	47.3	82.8	10 800 *	53.9	85.8	12 300 *	57.5	87.0	13 200 *													34.0		
36.0	43.8	80.8	10 200 *	50.7	84.2	11 600 *	54.5	85.7	12 500 *	60.4	87.3	11 500										36.0		
38.0	40.0	78.6	9 600 *	47.4	82.5	11 000 *	51.3	84.2	11 700 *	57.4	86.1	10 600										38.0		
40.0	36.0	76.0	8 900 *	43.9	80.5	10 400 *	48.1	82.5	10 900 *	54.4	84.7	9 900										40.0		
42.0	31.5	73.0	8 200 *	40.1	78.3	9 700 *	44.6	80.6	10 200 *	51.3	83.2	9 200										42.0		
44.0	26.3	69.4	7 500 *	36.1	75.7	9 000 *	40.9	78.4	9 500 *	48.0	81.5	8 600	54.2	83.4	7 400							44.0		
46.0	19.9	64.7	6 900 *	31.5	72.8	8 200 *	36.9	75.9	8 900 *	44.5	79.6	8 000	51.0	81.9	6 900							46.0		
48.0				26.4	69.1	7 600 *	32.5	73.0	8 400 *	40.8	77.4	7 500	47.7	80.1	6 400							48.0		
50.0				20.0	64.5	7 000 *	27.5	69.6	7 700 *	36.8	74.9	7 100	44.2	78.2	6 000	50.6	80.1	4 900				50.0		
52.0							21.4	65.2	7 100 *	32.4	72.1	6 600	40.5	76.0	5 600	47.3	78.3	4 600				52.0		
56.0										21.3	64.1	5 900	32.0	70.6	4 900	40.0	74.1	4 000				56.0		
60.0													20.8	62.5	4 300	31.4	68.6	3 500			39.2	71.7	2 700	60.0
64.0																19.8	60.2	3 000			30.4	66.0	2 300	64.0
68.0																					18.2	57.1	1 900	68.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



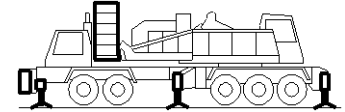
## 45.7m (150 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.5	96.4	16 200 *																			15.2
16.0	74.5	96.2	16 100 *																			16.0
18.0	72.1	95.6	15 500 *																			18.0
20.0	69.6	94.9	14 700 *																			20.0
22.0	67.1	94.1	13 900 *																			22.0
24.0	64.5	93.2	13 100 *																			24.0
26.0	61.9	92.2	12 400 *	67.1	93.8	13 900 *																26.0
28.0	59.2	91.1	11 600 *	64.5	92.9	13 200 *																28.0
30.0	56.4	89.8	10 900 *	61.9	91.9	12 500 *	65.1	92.7	13 200 *													30.0
32.0	53.5	88.4	10 200 *	59.2	90.7	11 700 *	62.4	91.7	12 600 *													32.0
34.0	50.5	86.8	9 600 *	56.4	89.5	11 000 *	59.8	90.6	11 800 *													34.0
36.0	47.4	85.1	9 000 *	53.6	88.1	10 300 *	57.0	89.4	11 200 *													36.0
38.0	44.1	83.1	8 400 *	50.6	86.5	9 700 *	54.2	88.0	10 500 *	59.7	89.7	10 500										38.0
40.0	40.6	80.9	7 900 *	47.5	84.8	9 100 *	51.2	86.5	9 900 *	56.9	88.4	9 700										40.0
42.0	36.9	78.5	7 400 *	44.2	82.8	8 500 *	48.1	84.8	9 200 *	54.1	87.1	9 000										42.0
44.0	32.8	75.6	6 900 *	40.7	80.7	7 900 *	44.9	82.9	8 600 *	51.1	85.5	8 400										44.0
46.0	28.1	72.2	6 500 *	37.0	78.2	7 500 *	41.4	80.7	8 100 *	48.0	83.8	7 900	53.9	85.7	6 700							46.0
48.0	22.7	68.0	6 100 *	32.9	75.3	7 000 *	37.8	78.3	7 600 *	44.8	81.9	7 300	50.9	84.2	6 200							48.0
50.0	15.5	62.2	5 700 *	28.2	71.9	6 500 *	33.7	75.5	7 100 *	41.4	79.8	6 900	47.8	82.4	5 800							50.0
52.0				22.8	67.7	6 100 *	29.2	72.3	6 600 *	37.7	77.3	6 400	44.6	80.5	5 400	50.5	82.4	4 400				52.0
56.0							17.3	63.0	5 900 *	29.1	71.3	5 700	37.4	75.9	4 700	44.1	78.7	3 800				56.0
60.0										17.1	61.9	5 000	28.8	69.8	4 100	36.9	74.0	3 300	43.4	76.3	2 500	60.0
64.0													16.5	60.2	3 600	28.1	67.7	2 900	36.0	71.5	2 000	64.0
68.0																15.4	57.7	2 400				68.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



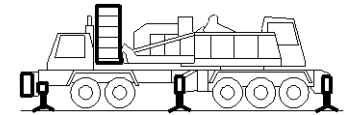
## 45.7m (150 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

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 Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.6	99.1	14 300 *																			16.8
18.0	73.2	98.8	14 200 *																			18.0
20.0	70.8	98.1	13 500 *																			20.0
22.0	68.5	97.4	12 800 *																			22.0
24.0	66.1	96.6	12 000 *																			24.0
26.0	63.6	95.6	11 300 *	68.5	97.1	12 800 *																26.0
28.0	61.2	94.6	10 600 *	66.1	96.2	12 100 *																28.0
30.0	58.6	93.4	9 900 *	63.7	95.3	11 400 *																30.0
32.0	56.0	92.1	9 200 *	61.2	94.2	10 700 *	64.2	95.1	11 400 *													32.0
34.0	53.3	90.7	8 700 *	58.6	93.1	10 000 *	61.7	94.1	10 800 *													34.0
36.0	50.4	89.1	8 100 *	56.0	91.8	9 300 *	59.2	92.9	10 100 *													36.0
38.0	47.5	87.4	7 500 *	53.3	90.4	8 700 *	56.6	91.7	9 500 *													38.0
40.0	44.4	85.5	7 000 *	50.5	88.8	8 100 *	53.9	90.3	8 900 *	59.1	92.0	9 600										40.0
42.0	41.2	83.3	6 500 *	47.6	87.1	7 600 *	51.1	88.8	8 300 *	56.5	90.8	8 900										42.0
44.0	37.7	80.9	6 000 *	44.5	85.2	7 000 *	48.2	87.1	7 700 *	53.8	89.4	8 300										44.0
46.0	33.9	78.1	5 600 *	41.2	83.0	6 600 *	45.1	85.2	7 200 *	51.0	87.8	7 700	56.3	89.4	6 500							46.0
48.0	29.7	74.9	5 100 *	37.8	80.6	6 100 *	41.9	83.1	6 700 *	48.1	86.1	7 200	53.6	88.0	6 000							48.0
50.0	24.9	71.0	4 600 *	34.0	77.8	5 600 *	38.5	80.7	6 200 *	45.0	84.2	6 700	50.8	86.5	5 600							50.0
52.0	19.0	66.0	4 200 *	29.8	74.6	5 200 *	34.8	78.0	5 700 *	41.8	82.1	6 300	47.9	84.7	5 300							52.0
56.0				19.1	65.8	4 200 *	26.0	71.2	4 800 *	34.7	77.0	5 500	41.6	80.7	4 600	47.5	82.9	3 700				56.0
60.0							12.6	59.8	3 900 *	25.9	70.2	4 800 *	34.4	75.6	4 000	41.1	78.8	3 100	46.9	80.7	2 300	60.0
64.0										12.4	58.7	3 900 *	25.5	68.7	3 500	33.9	73.6	2 700	40.4	76.4	1 900	64.0
68.0													11.6	56.8	3 000	24.9	66.5	2 300				68.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



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

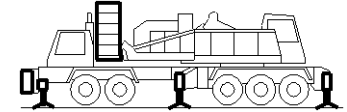
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	69.2	72.2	39 400 *b																			10.7
12.0	65.4	71.6	38 400 *b																			12.0
14.0	59.3	70.6	35 700 *b																			14.0
16.0	52.8	69.2	33 100 *	66.3	71.4	33 900 *b																16.0
18.0	45.7	67.5	29 200 *	60.2	70.4	31 000 *b																18.0
20.0	37.6	65.3	25 000 *	53.8	69.1	27 500 *	62.0	70.3	27 200 *b													20.0
22.0	27.7	62.1	21 700 *	46.9	67.4	24 600 *	55.7	69.1	24 400 *													22.0
24.0	11.7	56.5	16 900 *	39.0	65.3	22 200 *	48.9	67.5	22 000 *													24.0
26.0				29.4	62.3	20 200 *	41.3	65.5	20 100 *	56.4	68.3	18 900										26.0
28.0							32.3	62.9	18 400 *	49.6	66.8	17 200										28.0
30.0							20.1	58.8	17 000 *	42.1	64.8	15 700										30.0
32.0										33.4	62.2	14 400	50.0	65.5	12 700							32.0
34.0										21.7	58.4	13 300	42.6	63.6	11 700							34.0
36.0													33.9	61.1	10 800							36.0
38.0													22.5	57.3	10 100	42.5	61.9	8 700				38.0
40.0																33.8	59.4	8 100				40.0
42.0																22.4	55.6	7 500	41.8	59.7	6 300	42.0
44.0																			32.9	57.1	5 900	44.0
46.0																			21.1	53.2	5 500	46.0



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



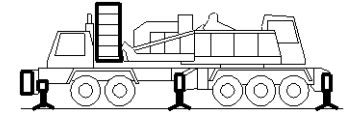
## 48.8m (160 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	71.9	75.4	36 300 *b																			10.7
12.0	68.6	74.9	36 300 *b																			12.0
14.0	63.5	74.0	34 400 *b																			14.0
16.0	58.1	72.9	32 100 *																			16.0
18.0	52.4	71.5	29 100 *	64.3	73.8	30 500 *																18.0
20.0	46.1	69.8	25 100 *	58.9	72.7	27 200 *	65.7	73.7	27 000 *b													20.0
22.0	39.2	67.6	21 900 *	53.2	71.4	24 300 *	60.4	72.7	24 100 *													22.0
24.0	31.0	64.8	19 300 *	47.1	69.7	22 000 *	54.9	71.4	21 800 *													24.0
26.0	20.1	60.6	17 000 *	40.3	67.6	20 000 *	48.9	69.8	19 800 *	61.0	71.8	18 700										26.0
28.0				32.4	64.9	18 300 *	42.3	67.9	18 100 *	55.5	70.6	17 000										28.0
30.0				22.1	61.0	16 800 *	34.8	65.4	16 700 *	49.6	69.1	15 500										30.0
32.0							25.4	61.9	15 400 *	43.0	67.2	14 200	55.8	69.3	12 500							32.0
34.0										35.6	64.7	13 100	49.9	67.8	11 500							34.0
36.0										26.5	61.4	12 100	43.4	65.9	10 600							36.0
38.0										12.3	55.7	11 200	36.1	63.5	9 800							38.0
40.0													27.1	60.3	9 100	43.4	64.2	7 800				40.0
42.0													13.5	54.9	8 500	36.0	61.8	7 300				42.0
44.0																27.0	58.6	6 800	42.7	62.0	5 700	44.0
46.0																			35.3	59.6	5 200	46.0
48.0																			26.0	56.2	4 900	48.0
50.0																			11.3	50.3	4 500	50.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



## 48.8m (160 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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	74.0	78.6	33 000 *b																			10.7
12.0	71.1	78.2	32 900 *b																			12.0
14.0	66.6	77.4	31 800 *b																			14.0
16.0	62.0	76.4	30 400 *																			16.0
18.0	57.1	75.3	28 600 *	67.3	77.2	29 200 *																18.0
20.0	52.0	73.8	25 100 *	62.7	76.2	27 100 *																20.0
22.0	46.5	72.1	22 000 *	57.9	75.1	24 100 *	64.0	76.1	24 000 *													22.0
24.0	40.4	70.0	19 400 *	52.8	73.7	21 800 *	59.2	75.0	21 600 *													24.0
26.0	33.4	67.3	17 300 *	47.3	72.0	19 800 *	54.2	73.7	19 600 *													26.0
28.0	24.8	63.7	15 400 *	41.4	70.0	18 100 *	48.9	72.1	18 000 *	59.7	74.2	16 800										28.0
30.0	11.4	57.6	12 800 *	34.6	67.4	16 600 *	43.1	70.2	16 500 *	54.8	72.9	15 300										30.0
32.0				26.3	64.0	15 400 *	36.6	67.8	15 200 *	49.5	71.4	14 100										32.0
34.0							28.8	64.7	14 100 *	43.7	69.5	13 000	55.1	71.7	11 300							34.0
36.0							18.4	60.1	13 200 *	37.3	67.1	12 000	49.8	70.1	10 500							36.0
38.0										29.7	64.1	11 100	44.1	68.3	9 700							38.0
40.0										19.7	59.8	10 400	37.7	65.9	9 000	49.7	68.4	7 700				40.0
42.0													30.2	63.0	8 400	44.0	66.6	7 100				42.0
44.0													20.4	58.7	7 800	37.6	64.2	6 700				44.0
46.0																30.1	61.3	6 200	43.5	64.3	5 100	46.0
48.0																20.3	57.0	5 800	37.0	62.0	4 800	48.0
50.0																			29.3	58.9	4 400	50.0
52.0																			19.2	54.5	4 100	52.0

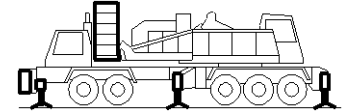


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



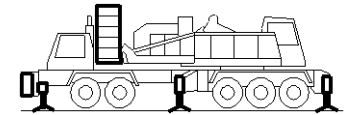
## 48.8m (160 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	75.6	81.7	30 400 *b																			10.7
12.0	73.0	81.4	30 200 *b																			12.0
14.0	69.1	80.7	29 100 *																			14.0
16.0	65.0	79.8	28 100 *																			16.0
18.0	60.7	78.8	26 700 *																			18.0
20.0	56.3	77.6	24 900 *	65.6	79.6	26 500 *																20.0
22.0	51.7	76.1	22 000 *	61.4	78.6	24 000 *																22.0
24.0	46.7	74.4	19 400 *	57.0	77.4	21 500 *	62.6	78.5	21 300 *													24.0
26.0	41.3	72.3	17 300 *	52.4	76.0	19 600 *	58.3	77.4	19 400 *													26.0
28.0	35.2	69.8	15 500 *	47.5	74.3	17 900 *	53.7	76.0	17 700 *													28.0
30.0	28.1	66.6	14 000 *	42.2	72.3	16 400 *	48.9	74.4	16 300 *	58.7	76.6	15 100										30.0
32.0	18.6	61.9	12 600 *	36.2	69.9	15 100 *	43.7	72.5	15 000 *	54.2	75.2	13 900										32.0
34.0				29.3	66.8	14 000 *	38.0	70.2	13 900 *	49.4	73.7	12 800										34.0
36.0				20.3	62.4	12 900 *	31.3	67.3	12 900 *	44.3	71.8	11 800	54.5	74.0	10 200							36.0
38.0							23.1	63.4	12 100 *	38.6	69.5	11 000	49.7	72.4	9 500							38.0
40.0										32.1	66.7	10 200	44.6	70.6	8 800							40.0
42.0										24.1	63.0	9 500	38.9	68.3	8 200	49.7	70.7	6 900				42.0
44.0										11.9	56.8	8 900	32.5	65.6	7 600	44.5	68.9	6 400				44.0
46.0													24.6	61.9	7 100	38.9	66.6	6 000				46.0
48.0													12.9	56.0	6 700	32.4	63.8	5 600	44.0	66.7	4 500	48.0
50.0																24.5	60.2	5 200	38.3	64.4	4 200	50.0
52.0																		31.8	61.5	3 900		52.0
56.0																		11.1	51.3	3 300		56.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



## 48.8m (160 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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	74.3	84.5	22 600 *b																			12.2
14.0	71.0	83.9	22 100 *																			14.0
16.0	67.4	83.2	21 600 *																			16.0
18.0	63.6	82.3	21 100 *																			18.0
20.0	59.7	81.2	20 600 *	67.9	82.9	22 000 *																20.0
22.0	55.7	79.9	20 200 *	64.2	82.1	21 600 *																22.0
24.0	51.5	78.4	19 500 *	60.3	81.0	21 200 *	65.3	81.9	21 200 *													24.0
26.0	46.9	76.7	17 500 *	56.3	79.8	19 600 *	61.4	80.9	19 500 *													26.0
28.0	42.1	74.7	15 700 *	52.1	78.3	18 000 *	57.5	79.7	17 800 *													28.0
30.0	36.7	72.2	14 200 *	47.6	76.6	16 500 *	53.3	78.3	16 300 *													30.0
32.0	30.5	69.2	12 800 *	42.8	74.7	15 200 *	48.9	76.7	15 100 *	57.9	78.9	13 800										32.0
34.0	22.9	65.2	11 700 *	37.5	72.3	14 100 *	44.2	74.8	13 900 *	53.8	77.5	12 700										34.0
36.0	11.2	58.7	9 900 *	31.5	69.4	13 000 *	39.1	72.6	12 900 *	49.4	76.0	11 800										36.0
38.0				24.2	65.6	11 900 *	33.3	69.9	12 100 *	44.7	74.1	10 900	54.0	76.3	9 400							38.0
40.0							26.4	66.4	11 300 *	39.6	71.9	10 200	49.6	74.7	8 800							40.0
42.0							17.2	61.4	10 600 *	33.9	69.2	9 500	45.0	72.9	8 100							42.0
44.0										27.2	65.8	8 900	39.9	70.7	7 600	49.6	73.0	6 400				44.0
46.0										18.4	61.1	8 300	34.3	68.1	7 100	44.9	71.2	5 900				46.0
48.0													27.6	64.7	6 700	39.9	69.0	5 600				48.0
50.0													19.0	60.1	6 200	34.2	66.3	5 200	44.5	69.0	4 100	50.0
52.0																27.5	63.0	4 800	39.4	66.8	3 900	52.0
56.0																			26.9	60.6	3 400	56.0

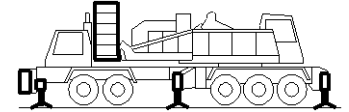


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



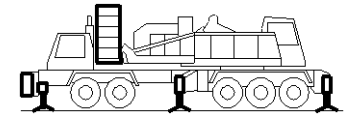
## 48.8m (160 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	75.6	87.7	21 400 *b																			12.2
14.0	72.7	87.1	20 900 *																			14.0
16.0	69.4	86.4	20 500 *																			16.0
18.0	66.0	85.6	20 100 *																			18.0
20.0	62.5	84.7	19 600 *	69.9	86.2	20 700 *																20.0
22.0	58.9	83.5	19 300 *	66.5	85.4	20 400 *																22.0
24.0	55.2	82.2	18 600 *	63.0	84.5	20 100 *																24.0
26.0	51.2	80.7	17 500 *	59.4	83.4	19 400 *	64.0	84.3	19 200 *													26.0
28.0	47.1	79.0	15 700 *	55.7	82.1	17 700 *	60.5	83.3	17 500 *													28.0
30.0	42.7	77.0	14 100 *	51.9	80.6	16 200 *	56.8	82.1	16 000 *													30.0
32.0	37.8	74.7	12 800 *	47.8	78.9	15 000 *	53.0	80.7	14 800 *	60.8	82.4	13 600										32.0
34.0	32.4	71.8	11 700 *	43.4	77.0	13 800 *	48.9	79.0	13 700 *	57.2	81.2	12 500										34.0
36.0	25.9	68.2	10 600 *	38.6	74.7	12 800 *	44.6	77.2	12 700 *	53.4	79.9	11 600										36.0
38.0	17.4	63.2	9 700 *	33.2	71.9	11 900 *	40.0	75.0	11 800 *	49.4	78.3	10 700										38.0
40.0				27.0	68.5	10 800 *	34.8	72.3	11 100 *	45.1	76.4	10 000	53.6	78.6	8 500							40.0
42.0				19.0	63.7	9 900 *	28.9	69.1	10 400 *	40.5	74.2	9 300	49.6	77.0	8 000							42.0
44.0							21.5	64.9	9 700 *	35.4	71.7	8 700	45.3	75.2	7 400							44.0
46.0										29.5	68.5	8 100	40.7	73.1	6 900	49.6	75.3	5 700				46.0
48.0										22.4	64.4	7 600	35.7	70.5	6 500	45.3	73.5	5 300				48.0
50.0										11.7	57.9	7 100	29.9	67.4	6 000	40.7	71.3	4 900				50.0
52.0													22.8	63.4	5 700	35.6	68.8	4 600	44.9	71.3	3 600	52.0
56.0																22.8	61.6	4 000	35.1	66.5	3 100	56.0
60.0																			22.0	59.2	2 700	60.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



## 48.8m (160 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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.5	90.4	19 800 *																			13.7
14.0	74.0	90.3	19 700 *																			14.0
16.0	71.0	89.7	19 300 *																			16.0
18.0	67.9	88.9	18 900 *																			18.0
20.0	64.8	88.1	18 600 *																			20.0
22.0	61.5	87.1	18 000 *	68.4	88.7	19 100 *																22.0
24.0	58.2	85.9	17 100 *	65.2	87.8	18 800 *																24.0
26.0	54.7	84.6	16 300 *	62.0	86.8	18 300 *	66.1	87.7	18 600 *													26.0
28.0	51.1	83.1	15 400 *	58.7	85.7	17 400 *	62.9	86.7	17 400 *													28.0
30.0	47.3	81.3	14 100 *	55.2	84.4	16 100 *	59.6	85.7	15 900 *													30.0
32.0	43.2	79.3	12 800 *	51.6	82.9	14 800 *	56.2	84.4	14 600 *													32.0
34.0	38.8	77.0	11 600 *	47.8	81.2	13 700 *	52.7	83.0	13 500 *	60.0	84.8	12 400										34.0
36.0	33.9	74.3	10 600 *	43.8	79.3	12 700 *	48.9	81.3	12 500 *	56.6	83.6	11 400										36.0
38.0	28.3	71.0	9 700 *	39.5	77.1	11 800 *	45.0	79.5	11 700 *	53.0	82.2	10 600										38.0
40.0	21.4	66.7	8 900 *	34.7	74.4	10 800 *	40.7	77.3	10 900 *	49.3	80.6	9 800	56.8	82.3	8 400							40.0
42.0	11.0	59.8	7 700 *	29.2	71.2	9 900 *	36.1	74.8	10 200 *	45.4	78.7	9 200	53.2	80.9	7 800							42.0
44.0				22.6	67.1	9 100 *	30.8	71.8	9 500 *	41.2	76.6	8 600	49.5	79.3	7 300							44.0
46.0							24.6	67.9	8 900 *	36.6	74.1	8 000	45.6	77.5	6 800							46.0
48.0							16.3	62.6	8 400 *	31.4	71.2	7 500	41.4	75.4	6 300	49.5	77.6	5 200				48.0
50.0										25.3	67.4	7 000	36.8	72.9	5 900	45.6	75.8	4 800				50.0
52.0										17.4	62.3	6 600	31.7	70.0	5 500	41.4	73.7	4 500				52.0
56.0													17.9	61.3	4 900	31.7	68.3	3 900	41.0	71.5	2 900	56.0
60.0																17.8	59.6	3 400	31.1	66.0	2 500	60.0
64.0																			16.9	57.0	2 100	64.0

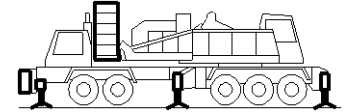


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



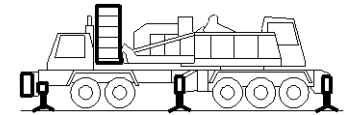
## 48.8m (160 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.6	93.6	18 500 *																			13.7
14.0	75.2	93.5	18 500 *																			14.0
16.0	72.4	92.9	18 100 *																			16.0
18.0	69.6	92.2	17 700 *																			18.0
20.0	66.7	91.4	17 400 *																			20.0
22.0	63.7	90.5	16 500 *	70.0	92.0	17 800 *																22.0
24.0	60.7	89.4	15 700 *	67.1	91.2	17 500 *																24.0
26.0	57.6	88.2	14 800 *	64.2	90.3	16 700 *																26.0
28.0	54.3	86.9	14 100 *	61.1	89.2	15 900 *	65.0	90.1	16 800 *													28.0
30.0	50.9	85.4	13 400 *	58.0	88.1	15 100 *	62.0	89.1	15 700 *													30.0
32.0	47.4	83.6	12 700 *	54.8	86.7	14 400 *	58.9	88.0	14 400 *													32.0
34.0	43.6	81.7	11 500 *	51.5	85.2	13 500 *	55.7	86.7	13 300 *	62.3	88.3	12 200										34.0
36.0	39.6	79.4	10 600 *	47.9	83.5	12 500 *	52.4	85.3	12 300 *	59.2	87.2	11 200										36.0
38.0	35.1	76.8	9 700 *	44.2	81.6	11 600 *	48.9	83.6	11 400 *	56.1	85.9	10 400										38.0
40.0	30.2	73.7	8 800 *	40.2	79.4	10 800 *	45.3	81.8	10 700 *	52.8	84.5	9 700										40.0
42.0	24.3	69.8	8 100 *	35.8	76.8	9 800 *	41.4	79.7	9 900 *	49.3	82.9	9 000	56.2	84.7	7 600							42.0
44.0	16.6	64.4	7 400 *	31.0	73.8	9 000 *	37.1	77.2	9 300 *	45.7	81.0	8 400	53.0	83.2	7 000							44.0
46.0				25.3	70.1	8 300 *	32.4	74.3	8 700 *	41.8	78.9	7 800	49.5	81.6	6 600							46.0
48.0				18.0	65.0	7 600 *	27.0	70.8	8 200 *	37.6	76.5	7 300	45.9	79.8	6 100							48.0
50.0							20.3	66.2	7 700 *	32.9	73.7	6 900	42.0	77.7	5 700	49.5	79.9	4 600				50.0
52.0										27.6	70.3	6 400	37.8	75.3	5 400	45.8	78.1	4 300				52.0
56.0										11.5	59.0	5 700	27.9	69.2	4 700	37.8	73.6	3 700	45.5	75.9	2 700	56.0
60.0													12.2	58.2	4 100	27.8	67.4	3 200	37.4	71.4	2 300	60.0
64.0																12.1	56.4	2 700	27.3	65.1	1 900	64.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



## 48.8m (160 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

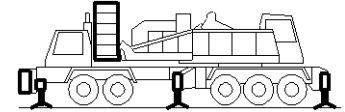
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.6	96.3	17 100 *																			15.2
16.0	73.6	96.1	17 000 *																			16.0
18.0	71.0	95.4	16 600 *																			18.0
20.0	68.3	94.7	16 000 *																			20.0
22.0	65.6	93.9	15 200 *																			22.0
24.0	62.8	92.9	14 400 *	68.7	94.5	16 100 *																24.0
26.0	59.9	91.8	13 700 *	66.0	93.6	15 300 *																26.0
28.0	57.0	90.6	12 900 *	63.2	92.7	14 600 *	66.8	93.5	15 400 *													28.0
30.0	54.0	89.2	12 200 *	60.4	91.6	13 900 *	64.0	92.6	14 700 *													30.0
32.0	50.8	87.7	11 500 *	57.5	90.4	13 200 *	61.2	91.5	14 000 *													32.0
34.0	47.5	85.9	10 800 *	54.4	89.1	12 400 *	58.3	90.4	13 300 *													34.0
36.0	44.0	84.0	10 200 *	51.3	87.5	11 700 *	55.3	89.1	12 200 *	61.5	90.7	11 200										36.0
38.0	40.3	81.8	9 600 *	48.0	85.8	11 100 *	52.2	87.6	11 400 *	58.6	89.5	10 300										38.0
40.0	36.2	79.2	8 900 *	44.5	83.9	10 400 *	48.9	85.9	10 600 *	55.6	88.2	9 600										40.0
42.0	31.7	76.3	8 100 *	40.8	81.8	9 800 *	45.5	84.1	9 900 *	52.5	86.8	8 900										42.0
44.0	26.6	72.7	7 500 *	36.8	79.3	9 000 *	41.9	82.0	9 200 *	49.3	85.2	8 300	55.8	87.0	7 000							44.0
46.0	20.2	68.1	6 900 *	32.4	76.4	8 300 *	38.0	79.6	8 700 *	45.9	83.3	7 800	52.7	85.5	6 500							46.0
48.0	10.9	60.9	6 000 *	27.4	72.9	7 600 *	33.7	76.8	8 100 *	42.3	81.3	7 200	49.5	83.9	6 000							48.0
50.0				21.3	68.5	7 000 *	28.9	73.6	7 600 *	38.4	78.9	6 800	46.1	82.1	5 700							50.0
52.0							23.2	69.5	7 200 *	34.2	76.2	6 400	42.5	80.1	5 300	49.4	82.2	4 200				52.0
56.0										23.8	69.0	5 600	34.4	75.0	4 600	42.5	78.4	3 600				56.0
60.0													24.2	67.9	4 100	34.4	73.3	3 100	42.1	76.2	2 300	60.0
64.0													1.2	50.2	3 500	24.1	66.2	2 700	34.0	71.0	1 900	64.0



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



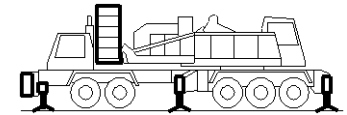
## 48.8m (160 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

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 Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.6	99.5	15 700 *																15.2
16.0	74.7	99.3	15 600 *																16.0
18.0	72.2	98.7	15 200 *																18.0
20.0	69.7	98.0	14 600 *																20.0
22.0	67.2	97.2	13 800 *																22.0
24.0	64.6	96.3	13 100 *																24.0
26.0	62.0	95.3	12 300 *	67.6	96.9	13 900 *													26.0
28.0	59.3	94.2	11 600 *	65.0	96.1	13 300 *													28.0
30.0	56.5	92.9	10 900 *	62.4	95.1	12 500 *	65.7	95.9	13 300 *										30.0
32.0	53.7	91.5	10 200 *	59.7	94.0	11 800 *	63.1	95.0	12 700 *										32.0
34.0	50.7	90.0	9 600 *	57.0	92.7	11 100 *	60.5	93.9	12 000 *										34.0
36.0	47.6	88.2	9 000 *	54.1	91.4	10 500 *	57.7	92.7	11 300 *										36.0
38.0	44.3	86.3	8 400 *	51.2	89.8	9 800 *	54.9	91.4	10 600 *	60.8	93.1	10 100							38.0
40.0	40.8	84.1	7 900 *	48.1	88.1	9 200 *	52.0	89.9	10 000 *	58.0	91.9	9 400							40.0
42.0	37.1	81.7	7 400 *	44.8	86.2	8 600 *	48.9	88.2	9 400 *	55.2	90.6	8 700							42.0
44.0	33.0	78.8	6 900 *	41.4	84.1	8 100 *	45.7	86.4	8 800 *	52.3	89.1	8 100							44.0
46.0	28.4	75.4	6 500 *	37.7	81.7	7 500 *	42.4	84.3	8 300 *	49.3	87.5	7 600	55.4	89.3	6 300				46.0
48.0	23.0	71.3	6 100 *	33.7	78.9	7 100 *	38.8	82.0	7 700 *	46.1	85.6	7 100	52.5	87.8	5 900				48.0
50.0	15.9	65.6	5 700 *	29.2	75.6	6 600 *	34.8	79.3	7 200 *	42.7	83.6	6 600	49.4	86.2	5 500				50.0
52.0				23.9	71.6	6 200 *	30.5	76.2	6 800 *	39.1	81.3	6 200	46.3	84.4	5 100	52.4	86.2	4 000	52.0
56.0							19.3	67.6	6 000 *	31.0	75.6	5 500	39.4	80.1	4 500	46.2	82.7	3 400	56.0
60.0										20.0	67.2	4 800	31.2	74.4	3 900	39.3	78.4	2 900	60.0
64.0													20.4	66.2	3 400	31.2	72.7	2 500	64.0
68.0																20.3	64.4	2 100	68.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



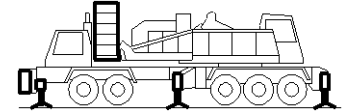
## 48.8m (160 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.7	102.2	13 900 *																16.8
18.0	73.3	101.9	13 700 *																18.0
20.0	71.0	101.2	13 400 *																20.0
22.0	68.6	100.5	12 700 *																22.0
24.0	66.2	99.6	12 000 *																24.0
26.0	63.8	98.7	11 300 *	69.0	100.2	12 800 *													26.0
28.0	61.3	97.7	10 600 *	66.6	99.4	12 100 *													28.0
30.0	58.7	96.5	9 900 *	64.2	98.5	11 400 *													30.0
32.0	56.1	95.2	9 300 *	61.7	97.5	10 700 *	64.8	98.4	11 500 *										32.0
34.0	53.4	93.8	8 600 *	59.1	96.3	10 100 *	62.4	97.4	10 900 *										34.0
36.0	50.6	92.3	8 100 *	56.5	95.1	9 500 *	59.8	96.3	10 300 *										36.0
38.0	47.7	90.5	7 500 *	53.8	93.7	8 800 *	57.3	95.0	9 600 *										38.0
40.0	44.6	88.6	7 000 *	51.0	92.1	8 200 *	54.6	93.7	9 000 *	60.1	95.4	9 300							40.0
42.0	41.4	86.5	6 500 *	48.1	90.4	7 700 *	51.8	92.2	8 400 *	57.5	94.2	8 600							42.0
44.0	37.9	84.1	6 000 *	45.1	88.6	7 100 *	48.9	90.5	7 900 *	54.9	92.9	8 000							44.0
46.0	34.1	81.3	5 600 *	41.9	86.4	6 600 *	45.9	88.7	7 300 *	52.1	91.4	7 400	57.7	93.0	6 100				46.0
48.0	30.0	78.1	5 200 *	38.4	84.1	6 200 *	42.8	86.7	6 800 *	49.3	89.8	6 900	55.0	91.6	5 700				48.0
50.0	25.2	74.3	4 700 *	34.7	81.4	5 700 *	39.4	84.4	6 300 *	46.3	87.9	6 500	52.3	90.2	5 300				50.0
52.0	19.3	69.4	4 200 *	30.6	78.2	5 300 *	35.8	81.8	5 900 *	43.1	85.9	6 100	49.4	88.5	5 000				52.0
56.0				20.3	69.9	4 300 *	27.3	75.2	4 900 *	36.2	81.1	5 300	43.3	84.7	4 300	49.4	86.8	3 300	56.0
60.0							15.1	64.9	4 000 *	27.8	74.7	4 700	36.4	79.9	3 700	43.3	83.0	2 800	60.0
64.0										16.0	64.7	4 000	28.1	73.6	3 200	36.4	78.2	2 400	64.0
68.0													16.4	63.8	2 800	28.0	71.9	2 000	68.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



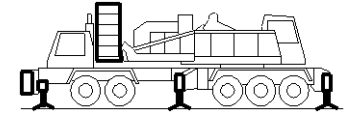
## 51.8m (170 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	69.5	75.3	37 800 *b																			10.7
12.0	65.7	74.7	36 700 *b																			12.0
14.0	59.6	73.7	34 100 *b																			14.0
16.0	53.2	72.3	31 600 *																			16.0
18.0	46.1	70.7	29 100 *	61.4	73.6	29 300 *b																18.0
20.0	38.1	68.4	25 300 *	55.1	72.4	27 100 *	63.6	73.6	26 700 *b													20.0
22.0	28.3	65.4	22 000 *	48.2	70.8	24 200 *	57.4	72.4	23 900 *b													22.0
24.0	13.0	60.1	17 300 *	40.5	68.7	21 800 *	50.7	71.0	21 600 *													24.0
26.0				31.4	66.0	19 900 *	43.4	69.1	19 600 *	58.9	71.7	18 500 b										26.0
28.0				18.6	61.7	18 100 *	34.9	66.7	18 000 *	52.4	70.3	16 800										28.0
30.0							23.9	63.1	16 600 *	45.2	68.6	15 300										30.0
32.0										37.0	66.3	14 100	53.6	69.2	12 200							32.0
34.0										26.9	63.1	13 000	46.6	67.5	11 300							34.0
36.0													38.6	65.4	10 400							36.0
38.0													29.0	62.4	9 700	47.4	66.0	8 200				38.0
40.0																39.6	63.9	7 600				40.0
42.0																30.2	61.0	7 100				42.0
44.0																16.6	56.4	6 600	39.8	61.8	5 400	44.0
46.0																			30.5	58.9	5 000	46.0
48.0																			17.1	54.4	4 700	48.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



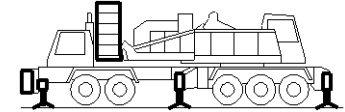
**51.8m (170 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib**

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	72.2	78.5	35 000 *b																			10.7
12.0	68.9	78.0	34 900 *b																			12.0
14.0	63.7	77.1	32 900 *b																			14.0
16.0	58.4	76.0	30 600 *																			16.0
18.0	52.7	74.7	28 500 *	65.2	77.0	28 400 *b																18.0
20.0	46.5	73.0	25 400 *	59.9	76.0	26 500 *	67.1	76.9	26 000 *b													20.0
22.0	39.6	70.8	22 100 *	54.3	74.7	24 000 *	61.9	76.0	23 700 *b													22.0
24.0	31.5	68.0	19 500 *	48.3	73.1	21 600 *	56.4	74.8	21 300 *													24.0
26.0	20.8	64.0	17 200 *	41.7	71.1	19 600 *	50.5	73.3	19 400 *													26.0
28.0				34.0	68.5	18 000 *	44.1	71.4	17 700 *	57.7	74.1	16 600										28.0
30.0				24.3	64.9	16 600 *	36.9	69.1	16 300 *	51.9	72.7	15 100										30.0
32.0				6.7	57.7	14 600 *	28.1	66.0	15 100 *	45.7	70.9	13 900										32.0
34.0										38.7	68.7	12 800	53.0	71.5	11 000							34.0
36.0										30.4	65.8	11 800	46.9	69.8	10 200							36.0
38.0										19.2	61.5	11 000	40.0	67.7	9 500							38.0
40.0													32.1	65.0	8 800	47.6	68.3	7 400				40.0
42.0													21.6	61.0	8 200	40.9	66.2	6 900				42.0
44.0																33.0	63.5	6 400				44.0
46.0																23.0	59.8	6 000				46.0
48.0																			41.1	64.1	4 800	48.0
50.0																			23.3	57.8	4 100	50.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



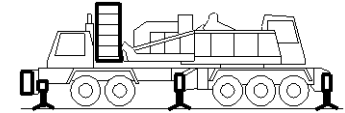
## 51.8m (170 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	74.2	81.7	31 900 *b																			10.7
12.0	71.3	81.3	31 800 *b																			12.0
14.0	66.8	80.5	30 700 *b																			14.0
16.0	62.2	79.5	29 300 *																			16.0
18.0	57.4	78.4	26 700 *	68.1	80.3	27 200 *b																18.0
20.0	52.3	77.0	24 900 *	63.5	79.4	25 600 *																20.0
22.0	46.8	75.3	22 300 *	58.8	78.3	23 800 *	65.2	79.4	23 300 *													22.0
24.0	40.7	73.2	19 600 *	53.8	77.0	21 500 *	60.5	78.3	21 200 *													24.0
26.0	33.8	70.5	17 500 *	48.4	75.4	19 500 *	55.6	77.1	19 200 *													26.0
28.0	25.4	67.0	15 600 *	42.5	73.4	17 800 *	50.4	75.6	17 600 *	61.6	77.6	16 400										28.0
30.0	12.4	61.2	13 000 *	35.9	71.0	16 400 *	44.7	73.8	16 100 *	56.8	76.4	15 000										30.0
32.0				28.0	67.8	15 100 *	38.4	71.5	14 900 *	51.6	74.9	13 700										32.0
34.0				17.1	63.0	13 800 *	31.1	68.6	13 800 *	46.1	73.2	12 600										34.0
36.0							21.6	64.6	12 900 *	39.9	71.1	11 700	52.6	73.8	10 100							36.0
38.0										32.9	68.3	10 900	47.1	72.1	9 300							38.0
40.0										24.2	64.7	10 100	41.1	70.1	8 600							40.0
42.0													34.3	67.5	8 100	47.8	70.6	6 700				42.0
44.0													25.9	64.0	7 500	41.8	68.6	6 200				44.0
46.0																35.1	66.0	5 800				46.0
48.0																27.0	62.7	5 400	42.0	66.5	4 300	48.0
50.0																15.4	57.6	5 000	35.3	64.0	4 000	50.0
52.0																		3 700	27.3	60.7	3 700	52.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



51.8m (170 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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
10.7	75.8	84.8	23 800 *b																			10.7
12.0	73.2	84.5	23 300 *b																			12.0
14.0	69.3	83.8	22 700 *																			14.0
16.0	65.2	82.9	22 100 *																			16.0
18.0	61.0	81.9	21 600 *																			18.0
20.0	56.6	80.7	21 100 *	66.4	82.8	22 700 *																20.0
22.0	51.9	79.3	20 600 *	62.2	81.8	22 300 *																22.0
24.0	47.0	77.6	19 600 *	57.8	80.7	21 200 *	63.7	81.8	20 700 *													24.0
26.0	41.6	75.5	17 500 *	53.3	79.3	19 200 *	59.4	80.7	18 900 *													26.0
28.0	35.6	73.0	15 700 *	48.4	77.7	17 600 *	55.0	79.4	17 300 *													28.0
30.0	28.5	69.8	14 100 *	43.2	75.7	16 100 *	50.2	77.9	15 900 *	60.5	80.0	14 700										30.0
32.0	19.2	65.3	12 700 *	37.4	73.4	14 900 *	45.1	76.1	14 600 *	56.0	78.7	13 500										32.0
34.0				30.7	70.4	13 800 *	39.6	73.9	13 600 *	51.4	77.2	12 500										34.0
36.0				22.2	66.4	12 800 *	33.2	71.2	12 600 *	46.4	75.5	11 500										36.0
38.0				7.5	58.9	11 000 *	25.5	67.6	11 800 *	40.9	73.4	10 600	52.2	76.1	9 100							38.0
40.0										34.8	70.8	9 900	47.3	74.4	8 400							40.0
42.0										27.5	67.5	9 200	42.0	72.4	7 800							42.0
44.0										17.7	62.7	8 600	36.0	69.9	7 300	47.9	72.9	6 000				44.0
46.0													29.0	66.8	6 800	42.6	70.9	5 600				46.0
48.0													19.9	62.4	6 400	36.7	68.5	5 200				48.0
50.0																29.8	65.4	4 900	42.7	68.8	3 800	50.0
52.0																21.1	61.2	4 500	36.9	66.4	3 500	52.0
56.0																			21.4	59.2	3 000	56.0

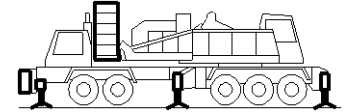


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



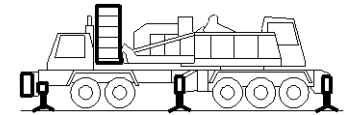
## 51.8m (170 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	74.5	87.6	22 200 *b																			12.2
14.0	71.2	87.0	21 700 *																			14.0
16.0	67.6	86.3	21 200 *																			16.0
18.0	63.8	85.4	20 700 *																			18.0
20.0	60.0	84.3	20 300 *	68.6	86.1	21 600 *																20.0
22.0	55.9	83.0	19 900 *	64.9	85.2	21 300 *																22.0
24.0	51.7	81.6	19 100 *	61.1	84.2	20 800 *																24.0
26.0	47.2	79.9	17 700 *	57.1	83.0	19 300 *	62.5	84.2	19 000 *													26.0
28.0	42.3	77.8	15 900 *	52.9	81.6	17 600 *	58.5	83.1	17 400 *													28.0
30.0	37.0	75.4	14 300 *	48.5	80.0	16 200 *	54.4	81.7	15 900 *													30.0
32.0	30.8	72.5	13 000 *	43.7	78.1	14 900 *	50.1	80.2	14 700 *	59.5	82.3	13 500										32.0
34.0	23.3	68.6	11 800 *	38.6	75.8	13 800 *	45.5	78.4	13 600 *	55.4	81.1	12 400										34.0
36.0	12.1	62.3	10 000 *	32.7	73.0	12 900 *	40.5	76.2	12 700 *	51.2	79.6	11 400										36.0
38.0				25.7	69.4	12 000 *	34.9	73.6	11 800 *	46.6	77.8	10 600										38.0
40.0				16.1	64.2	11 000 *	28.4	70.4	11 000 *	41.7	75.7	9 900	51.9	78.4	8 400							40.0
42.0							20.0	65.9	10 300 *	36.3	73.3	9 200	47.5	76.7	7 800							42.0
44.0										30.0	70.2	8 600	42.6	74.7	7 300							44.0
46.0										22.3	66.1	8 100	37.3	72.4	6 800	48.0	75.2	5 500				46.0
48.0													31.2	69.4	6 400	43.2	73.2	5 200				48.0
50.0													23.8	65.6	6 000	37.9	70.9	4 800				50.0
52.0																32.0	68.0	4 500	43.3	71.1	3 400	52.0
56.0																14.6	58.7	3 900	32.1	66.0	2 900	56.0
60.0																			15.0	56.8	2 500	60.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



**51.8m (170 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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	75.8	90.7	21 000 *b																			12.2
14.0	72.8	90.2	20 500 *																			14.0
16.0	69.5	89.5	20 100 *																			16.0
18.0	66.2	88.7	19 700 *																			18.0
20.0	62.7	87.8	19 300 *	70.5	89.4	20 300 *																20.0
22.0	59.1	86.7	18 900 *	67.1	88.6	20 000 *																22.0
24.0	55.4	85.4	18 000 *	63.7	87.7	19 700 *																24.0
26.0	51.5	83.9	17 000 *	60.1	86.6	19 100 *	64.9	87.6	18 600 *													26.0
28.0	47.3	82.2	15 800 *	56.4	85.4	17 400 *	61.4	86.6	17 100 *													28.0
30.0	42.9	80.2	14 300 *	52.6	83.9	16 000 *	57.8	85.4	15 700 *													30.0
32.0	38.1	77.8	13 000 *	48.5	82.3	14 700 *	54.0	84.1	14 500 *	62.2	85.8	13 200										32.0
34.0	32.7	75.0	11 800 *	44.2	80.4	13 600 *	50.0	82.5	13 400 *	58.6	84.7	12 200										34.0
36.0	26.3	71.5	10 800 *	39.5	78.2	12 600 *	45.8	80.7	12 400 *	54.9	83.4	11 300										36.0
38.0	18.0	66.6	9 800 *	34.3	75.5	11 700 *	41.2	78.6	11 600 *	51.0	81.9	10 400										38.0
40.0				28.2	72.2	11 000 *	36.2	76.1	10 800 *	46.8	80.1	9 700	55.6	82.2	8 100							40.0
42.0				20.7	67.8	10 100 *	30.5	73.4	10 100 *	42.4	78.1	9 000	51.7	80.7	7 600							42.0
44.0				8.0	60.0	8 600 *	23.7	69.1	9 400 *	37.5	75.7	8 400	47.6	79.1	7 100							44.0
46.0										32.0	72.8	7 900	43.2	77.1	6 600	52.2	79.1	5 300				46.0
48.0										25.4	69.2	7 400	38.4	74.8	6 100	48.1	77.5	4 900				48.0
50.0										16.7	64.0	6 900	33.0	72.0	5 800	43.7	75.5	4 600				50.0
52.0													26.7	68.5	5 400	39.0	73.3	4 300				52.0
56.0																27.5	67.2	3 700	39.1	71.2	2 700	56.0
60.0																			27.7	65.1	2 300	60.0
64.0																			5.8	51.8	1 900	64.0



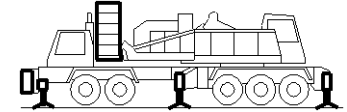


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



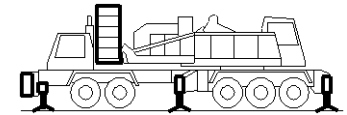
## 51.8m (170 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.6	93.5	19 400 *																			13.7
14.0	74.2	93.4	19 300 *																			14.0
16.0	71.2	92.8	19 000 *																			16.0
18.0	68.1	92.0	18 600 *																			18.0
20.0	64.9	91.2	18 200 *																			20.0
22.0	61.7	90.2	17 800 *	69.0	91.9	18 800 *																22.0
24.0	58.4	89.0	16 900 *	65.8	91.0	18 500 *																24.0
26.0	54.9	87.7	16 000 *	62.6	90.1	18 300 *	67.0	90.9	17 900 *													26.0
28.0	51.3	86.2	15 100 *	59.3	89.0	17 300 *	63.8	90.0	17 000 *													28.0
30.0	47.5	84.5	14 100 *	55.9	87.7	15 800 *	60.5	89.0	15 500 *													30.0
32.0	43.4	82.5	12 900 *	52.3	86.2	14 500 *	57.1	87.7	14 300 *													32.0
34.0	39.0	80.2	11 800 *	48.6	84.6	13 500 *	53.6	86.4	13 200 *	61.3	88.2	12 000										34.0
36.0	34.2	77.5	10 700 *	44.6	82.7	12 500 *	49.9	84.8	12 200 *	57.9	87.0	11 100										36.0
38.0	28.6	74.2	9 800 *	40.3	80.5	11 600 *	46.0	83.0	11 400 *	54.5	85.7	10 300										38.0
40.0	21.8	70.0	9 000 *	35.6	77.9	10 800 *	41.9	80.9	10 600 *	50.8	84.2	9 600										40.0
42.0	11.8	63.4	7 800 *	30.3	74.9	10 100 *	37.3	78.5	9 900 *	47.0	82.4	8 900	55.1	84.5	7 400							42.0
44.0				23.9	70.9	9 300 *	32.3	75.6	9 300 *	42.9	80.4	8 300	51.5	83.1	6 900							44.0
46.0				15.3	65.3	8 400 *	26.4	72.1	8 700 *	38.5	78.1	7 800	47.7	81.3	6 400							46.0
48.0							18.8	67.3	8 200 *	33.5	75.3	7 200	43.7	79.4	6 000							48.0
50.0										27.9	72.0	6 800	39.3	77.1	5 600	48.1	79.8	4 400				50.0
52.0										20.8	67.5	6 400	34.5	74.5	5 300	44.1	77.8	4 100				52.0
56.0													22.3	67.1	4 600	35.0	73.0	3 600	44.2	75.8	2 600	56.0
60.0																23.1	65.8	3 100	35.2	70.9	2 200	60.0
64.0																		23.3	63.8	1 800		64.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



## 51.8m (170 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 Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.7	96.6	18 200 *																13.7
14.0	75.4	96.6	18 100 *																14.0
16.0	72.6	96.0	17 800 *																16.0
18.0	69.7	95.3	17 400 *																18.0
20.0	66.8	94.5	17 000 *																20.0
22.0	63.9	93.6	16 400 *																22.0
24.0	60.8	92.5	15 600 *	67.7	94.4	17 300 *													24.0
26.0	57.7	91.3	14 800 *	64.7	93.5	16 700 *													26.0
28.0	54.5	90.0	14 100 *	61.7	92.5	16 000 *	65.8	93.4	16 400 *										28.0
30.0	51.1	88.5	13 400 *	58.6	91.3	15 200 *	62.8	92.4	15 300 *										30.0
32.0	47.6	86.8	12 700 *	55.4	90.0	14 300 *	59.7	91.3	14 000 *										32.0
34.0	43.8	84.8	11 700 *	52.1	88.6	13 200 *	56.6	90.1	13 000 *										34.0
36.0	39.8	82.6	10 600 *	48.6	86.9	12 200 *	53.3	88.7	12 000 *	60.5	90.6	10 900							36.0
38.0	35.4	80.0	9 700 *	44.9	85.0	11 400 *	49.9	87.1	11 100 *	57.3	89.4	10 100							38.0
40.0	30.4	76.9	9 000 *	41.0	82.9	10 600 *	46.3	85.3	10 400 *	54.1	88.0	9 300							40.0
42.0	24.6	73.1	8 200 *	36.7	80.4	9 900 *	42.4	83.2	9 700 *	50.7	86.5	8 700							42.0
44.0	17.1	67.8	7 500 *	31.9	77.4	9 200 *	38.3	80.9	9 000 *	47.1	84.7	8 100	54.7	86.9	6 700				44.0
46.0				26.4	73.9	8 500 *	33.7	78.1	8 500 *	43.3	82.7	7 600	51.3	85.3	6 200				46.0
48.0				19.5	69.1	7 800 *	28.5	74.8	8 000 *	39.3	80.5	7 100	47.8	83.7	5 800				48.0
50.0				8.3	61.1	6 700 *	22.2	70.6	7 500 *	34.8	77.8	6 600	44.1	81.7	5 400				50.0
52.0										29.8	74.7	6 200	40.0	79.5	5 000	48.2	82.1	3 900	52.0
56.0										15.9	65.2	5 500	30.8	73.9	4 400	40.5	78.0	3 300	56.0
60.0													17.6	65.0	3 800	31.4	72.5	2 900	60.0
64.0																18.6	63.9	2 400	64.0

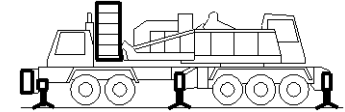


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



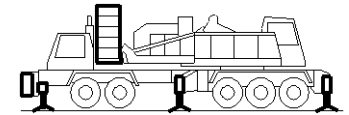
## 51.8m (170 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.7	99.4	16 700 *																15.2
16.0	73.8	99.2	16 500 *																16.0
18.0	71.1	98.5	16 100 *																18.0
20.0	68.5	97.8	15 600 *																20.0
22.0	65.7	96.9	15 000 *																22.0
24.0	63.0	96.0	14 300 *	69.2	97.6	16 000 *													24.0
26.0	60.1	94.9	13 600 *	66.5	96.8	15 300 *													26.0
28.0	57.2	93.7	12 900 *	63.8	95.9	14 600 *													28.0
30.0	54.1	92.3	12 200 *	60.9	94.8	13 900 *	64.8	95.8	14 800 *										30.0
32.0	51.0	90.8	11 500 *	58.0	93.7	13 200 *	61.9	94.8	13 900 *										32.0
34.0	47.7	89.1	10 900 *	55.0	92.3	12 500 *	59.1	93.7	12 900 *										34.0
36.0	44.2	87.1	10 300 *	51.9	90.9	11 900 *	56.1	92.4	11 900 *										36.0
38.0	40.5	84.9	9 700 *	48.6	89.2	11 200 *	53.0	91.0	11 100 *	59.8	92.9	10 000							38.0
40.0	36.4	82.4	9 000 *	45.2	87.3	10 500 *	49.8	89.4	10 300 *	56.8	91.7	9 300							40.0
42.0	32.0	79.5	8 200 *	41.5	85.2	9 800 *	46.4	87.6	9 600 *	53.8	90.3	8 600							42.0
44.0	26.9	75.9	7 600 *	37.6	82.8	9 200 *	42.9	85.6	9 000 *	50.6	88.8	8 000							44.0
46.0	20.6	71.4	7 000 *	33.3	80.0	8 500 *	39.1	83.3	8 400 *	47.3	87.0	7 500	54.3	89.2	6 100				46.0
48.0	11.6	64.5	6 100 *	28.4	76.6	7 800 *	34.9	80.6	7 900 *	43.7	85.1	7 000	51.2	87.7	5 700				48.0
50.0				22.6	72.4	7 200 *	30.2	77.5	7 400 *	40.0	82.8	6 600	47.9	85.9	5 400				50.0
52.0				14.7	66.5	6 600 *	24.8	73.7	7 000 *	35.9	80.3	6 200	44.4	84.0	5 000	51.5	86.1	3 800	52.0
56.0										26.2	73.6	5 400	36.7	79.3	4 400	44.8	82.5	3 300	56.0
60.0													27.2	72.9	3 800	37.1	77.9	2 800	60.0
64.0													12.3	61.8	3 300	27.8	71.6	2 400	64.0
68.0																13.6	61.0	2 000	68.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



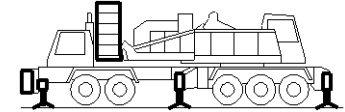
## 51.8m (170 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

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 Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.7	102.5	15 100 *																15.2
16.0	74.8	102.3	14 900 *																16.0
18.0	72.3	101.7	14 600 *																18.0
20.0	69.9	101.1	14 200 *																20.0
22.0	67.3	100.3	13 700 *																22.0
24.0	64.8	99.4	13 000 *																24.0
26.0	62.1	98.4	12 300 *	68.1	100.1	13 600 *													26.0
28.0	59.5	97.3	11 600 *	65.5	99.3	13 300 *													28.0
30.0	56.7	96.0	10 900 *	62.9	98.3	12 600 *	66.4	99.2	13 300 *										30.0
32.0	53.8	94.6	10 200 *	60.2	97.2	11 900 *	63.8	98.2	12 700 *										32.0
34.0	50.9	93.1	9 600 *	57.5	96.0	11 200 *	61.2	97.2	12 100 *										34.0
36.0	47.8	91.4	9 000 *	54.6	94.7	10 600 *	58.5	96.0	11 500 *										36.0
38.0	44.5	89.4	8 500 *	51.7	93.2	9 900 *	55.7	94.7	10 800 *										38.0
40.0	41.0	87.3	7 900 *	48.6	91.5	9 300 *	52.8	93.3	10 100 *	59.1	95.3	9 100							40.0
42.0	37.3	84.8	7 400 *	45.4	89.6	8 700 *	49.8	91.7	9 400 *	56.3	94.0	8 400							42.0
44.0	33.2	82.0	7 000 *	42.0	87.5	8 200 *	46.6	89.9	8 800 *	53.5	92.6	7 900							44.0
46.0	28.7	78.7	6 500 *	38.4	85.2	7 700 *	43.3	87.9	8 200 *	50.5	91.1	7 300	56.9	92.9	6 000				46.0
48.0	23.3	74.6	6 100 *	34.4	82.5	7 200 *	39.7	85.6	7 700 *	47.4	89.3	6 800	54.0	91.5	5 500				48.0
50.0	16.4	69.0	5 800 *	30.0	79.3	6 700 *	35.9	83.1	7 200 *	44.1	87.4	6 400	51.0	90.0	5 100				50.0
52.0				24.9	75.4	6 300 *	31.7	80.1	6 800 *	40.6	85.2	6 000	47.9	88.2	4 800				52.0
56.0				8.6	62.2	5 200 *	21.1	72.0	6 000 *	32.7	79.8	5 300	41.2	84.2	4 200	48.3	86.7	3 100	56.0
60.0										22.6	72.2	4 600	33.5	79.0	3 600	41.6	82.7	2 600	60.0
64.0													23.7	71.6	3 100	34.0	77.5	2 200	64.0
68.0																24.3	70.3	1 900	68.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



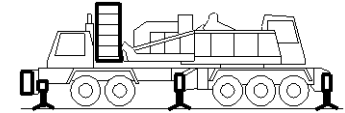
## 51.8m (170 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	74.8	105.3	13 200 *																16.8
18.0	73.4	104.9	12 800 *																18.0
20.0	71.1	104.3	12 100 *																20.0
22.0	68.7	103.6	11 400 *																22.0
24.0	66.3	102.7	10 700 *																24.0
26.0	63.9	101.8	10 100 *	69.4	103.4	11 600 *													26.0
28.0	61.4	100.8	9 500 *	67.0	102.6	11 000 *													28.0
30.0	58.9	99.6	8 900 *	64.6	101.7	10 300 *													30.0
32.0	56.2	98.4	8 300 *	62.1	100.7	9 700 *	65.5	101.6	10 500 *										32.0
34.0	53.5	96.9	7 800 *	59.6	99.6	9 200 *	63.0	100.6	9 900 *										34.0
36.0	50.7	95.4	7 300 *	57.0	98.3	8 600 *	60.5	99.6	9 300 *										36.0
38.0	47.8	93.7	6 800 *	54.3	97.0	8 000 *	57.9	98.4	8 800 *										38.0
40.0	44.8	91.8	6 300 *	51.6	95.5	7 500 *	55.3	97.1	8 200 *	61.1	98.8	9 000							40.0
42.0	41.5	89.6	5 900 *	48.7	93.8	7 000 *	52.6	95.6	7 700 *	58.6	97.7	8 300							42.0
44.0	38.1	87.2	5 500 *	45.7	91.9	6 500 *	49.7	94.0	7 200 *	55.9	96.4	7 700							44.0
46.0	34.3	84.5	5 000 *	42.5	89.9	6 100 *	46.8	92.2	6 700 *	53.2	94.9	7 200							46.0
48.0	30.2	81.3	4 500 *	39.1	87.6	5 600 *	43.6	90.2	6 300 *	50.4	93.4	6 700	56.4	95.2	5 400				48.0
50.0	25.4	77.5	4 100 *	35.4	84.9	5 200 *	40.3	88.0	5 800 *	47.5	91.6	6 300	53.7	93.8	5 000				50.0
52.0	19.7	72.7	3 700 *	31.4	81.9	4 700 *	36.8	85.5	5 400 *	44.4	89.7	5 900	50.9	92.3	4 700				52.0
56.0				21.5	73.8	3 800 *	28.6	79.2	4 400 *	37.6	85.1	5 100	45.0	88.7	4 000				56.0
60.0							17.2	69.8	3 600 *	29.7	79.1	4 500	38.3	84.2	3 500	45.3	87.1	2 500	60.0
64.0										18.9	70.2	3 700 *	30.5	78.3	3 000	38.7	82.7	2 100	64.0
68.0													20.1	69.8	2 600				68.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



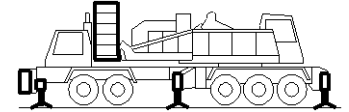
54.9m (180 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms			
12.2	65.4	77.7	34 200 *b																			12.2		
14.0	60.0	76.8	32 000 *b																			14.0		
16.0	53.5	75.5	29 700 *																			16.0		
18.0	46.5	73.8	27 700 *	62.5	76.8	27 000 *b																18.0		
20.0	38.6	71.6	25 500 *	56.3	75.7	25 200 *b	65.1	76.8	24 200 *b													20.0		
22.0	28.9	68.6	22 200 *	49.5	74.1	23 400 *	59.1	75.8	22 600 *b													22.0		
24.0	14.2	63.6	17 700 *	42.0	72.2	21 500 *	52.6	74.4	21 000 *													24.0		
26.0				33.2	69.6	19 500 *	45.4	72.7	19 100 *	61.3	75.1	18 000 b										26.0		
28.0				21.5	65.7	17 900 *	37.3	70.4	17 500 *	55.0	73.9	16 300										28.0		
30.0							27.2	67.2	16 100 *	48.1	72.3	14 900										30.0		
32.0							10.6	61.4	14 900 *	40.4	70.2	13 700	57.0	72.8	11 700							32.0		
34.0										31.2	67.4	12 600	50.3	71.3	10 700							34.0		
36.0										18.4	63.1	11 700	42.9	69.4	9 900							36.0		
38.0													34.3	66.9	9 200							38.0		
40.0													23.1	63.3	8 500	44.7	68.0	7 100				40.0		
42.0																36.5	65.7	6 500				42.0		
44.0																26.1	62.4	6 100				44.0		
46.0																					37.8	63.8	4 400	46.0
48.0																					27.9	60.7	4 100	48.0
50.0																					12.1	55.2	3 800	50.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



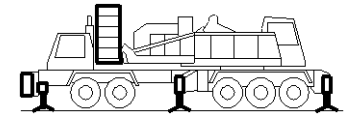
**54.9m (180 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib**

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	68.7	81.0	32 300 *b																			12.2
14.0	64.0	80.2	30 500 *b																			14.0
16.0	58.7	79.2	28 300 *																			16.0
18.0	53.0	77.8	26 200 *	66.2	80.2	26 200 *b																18.0
20.0	46.8	76.1	24 200 *	60.9	79.2	24 500 *																20.0
22.0	40.0	74.0	22 200 *	55.4	78.0	22 900 *	63.3	79.2	22 000 *b													22.0
24.0	32.0	71.2	19 700 *	49.5	76.4	21 200 *	57.9	78.1	20 600 *													24.0
26.0	21.5	67.3	17 300 *	42.9	74.5	19 200 *	52.1	76.7	18 800 *													26.0
28.0				35.5	72.1	17 600 *	45.9	75.0	17 300 *	59.9	77.5	16 100										28.0
30.0				26.4	68.7	16 200 *	38.9	72.8	15 900 *	54.3	76.2	14 600										30.0
32.0				12.0	63.0	15 000 *	30.7	69.9	14 600 *	48.2	74.6	13 500										32.0
34.0							19.6	65.6	13 600 *	41.6	72.6	12 400	56.0	75.1	10 500							34.0
36.0										33.9	70.0	11 400	50.2	73.6	9 700							36.0
38.0										24.2	66.4	10 600	43.7	71.8	9 000							38.0
40.0													36.4	69.4	8 300	51.6	72.1	6 800				40.0
42.0													27.5	66.2	7 700	45.3	70.3	6 300				42.0
44.0													14.3	60.9	7 200	38.2	68.1	5 900				44.0
46.0																29.8	65.2	5 500	46.2	68.4	4 200	46.0
48.0																18.3	60.7	5 100	39.3	66.2	3 900	48.0
50.0																			31.2	63.4	3 600	50.0
52.0																			20.3	59.2	3 300	52.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



54.9m (180 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

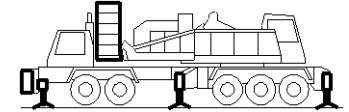
Jib Oper. Rad. m	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	71.1	84.3	23 800 *b																			12.2
14.0	67.1	83.6	23 200 *b																			14.0
16.0	62.5	82.6	22 500 *																			16.0
18.0	57.6	81.5	21 900 *																			18.0
20.0	52.5	80.1	21 400 *	64.4	82.7	22 800 *																20.0
22.0	47.1	78.4	20 800 *	59.7	81.6	21 500 *	66.4	82.6	20 500 *b													22.0
24.0	41.1	76.3	19 700 *	54.7	80.3	20 200 *	61.8	81.6	19 400 *													24.0
26.0	34.2	73.7	17 600 *	49.4	78.7	19 100 *	56.9	80.4	18 300 *													26.0
28.0	25.9	70.3	15 700 *	43.7	76.8	17 400 *	51.8	79.0	17 100 *													28.0
30.0	13.4	64.7	13 200 *	37.2	74.5	16 000 *	46.2	77.3	15 700 *	58.7	79.8	14 500										30.0
32.0				29.6	71.5	14 800 *	40.1	75.2	14 500 *	53.7	78.5	13 300										32.0
34.0				19.6	67.1	13 700 *	33.1	72.5	13 400 *	48.3	76.9	12 300										34.0
36.0							24.5	68.8	12 500 *	42.4	74.9	11 300	55.3	77.4	9 500							36.0
38.0							10.5	62.5	11 600 *	35.8	72.4	10 500	50.0	75.9	8 800							38.0
40.0										27.9	69.2	9 800	44.3	74.1	8 200							40.0
42.0										16.9	64.4	9 100	38.0	71.8	7 600							42.0
44.0													30.5	68.8	7 100	45.7	72.7	5 700				44.0
46.0													20.9	64.7	6 600	39.5	70.5	5 300				46.0
48.0																32.4	67.7	4 900				48.0
50.0																23.5	64.0	4 600				50.0
52.0																			40.5	68.6	3 400	52.0
56.0																			11.7	56.3	2 700	56.0



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



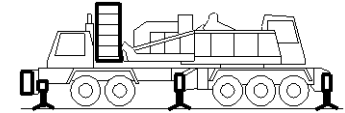
## 54.9m (180 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	73.1	87.5	22 800 *b																			12.2
14.0	69.5	86.9	22 200 *b																			14.0
16.0	65.4	86.0	21 700 *																			16.0
18.0	61.2	85.0	21 200 *																			18.0
20.0	56.8	83.8	20 700 *	67.1	86.0	22 100 *																20.0
22.0	52.2	82.4	20 100 *	63.0	85.1	20 900 *																22.0
24.0	47.3	80.7	18 700 *	58.7	83.9	19 700 *	64.8	85.1	18 800 *													24.0
26.0	41.9	78.7	17 400 *	54.2	82.6	18 600 *	60.6	84.0	17 800 *													26.0
28.0	35.9	76.2	15 900 *	49.4	81.0	17 400 *	56.2	82.8	16 800 *													28.0
30.0	28.9	73.1	14 300 *	44.2	79.2	15 900 *	51.5	81.3	15 600 *													30.0
32.0	19.8	68.6	12 900 *	38.5	76.9	14 600 *	46.5	79.6	14 300 *	57.8	82.2	13 100										32.0
34.0				32.0	74.1	13 600 *	41.1	77.5	13 200 *	53.2	80.8	12 100										34.0
36.0				24.0	70.3	12 600 *	35.0	74.9	12 300 *	48.4	79.2	11 100										36.0
38.0				11.7	64.1	11 700 *	27.8	71.7	11 500 *	43.1	77.2	10 300	54.7	79.8	8 600							38.0
40.0							18.1	66.9	10 700 *	37.3	74.9	9 600	49.9	78.2	8 000							40.0
42.0										30.6	71.9	8 900	44.8	76.4	7 400							42.0
44.0										22.1	67.8	8 400	39.2	74.2	6 900							44.0
46.0													32.8	71.4	6 400	46.1	75.0	5 100				46.0
48.0													25.0	67.8	6 000	40.6	72.8	4 700				48.0
50.0													13.6	62.1	5 600	34.4	70.2	4 400				50.0
52.0																27.0	66.9	4 100	41.4	70.9	2 900	52.0
56.0																28.2	65.2	2 500	28.2	65.2	2 500	56.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



**54.9m (180 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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	74.7	90.7	21 700 *b																			12.2
14.0	71.4	90.1	21 200 *																			14.0
16.0	67.8	89.4	20 700 *																			16.0
18.0	64.0	88.5	20 300 *																			18.0
20.0	60.2	87.4	19 900 *	69.3	89.3	21 100 *																20.0
22.0	56.1	86.2	19 000 *	65.6	88.4	20 300 *																22.0
24.0	51.9	84.7	17 800 *	61.8	87.5	19 200 *																24.0
26.0	47.4	83.0	16 600 *	57.8	86.3	18 200 *	63.5	87.5	17 400 *													26.0
28.0	42.6	81.0	15 600 *	53.7	84.9	17 200 *	59.6	86.4	16 500 *													28.0
30.0	37.3	78.6	14 400 *	49.3	83.3	15 800 *	55.5	85.1	15 500 *													30.0
32.0	31.2	75.7	13 100 *	44.7	81.5	14 600 *	51.3	83.6	14 200 *	61.0	85.7	13 000										32.0
34.0	23.8	71.8	11 900 *	39.6	79.3	13 500 *	46.8	81.9	13 200 *	57.0	84.5	12 000										34.0
36.0	12.9	65.8	10 200 *	33.8	76.6	12 600 *	41.9	79.8	12 300 *	52.9	83.1	11 100										36.0
38.0				27.1	73.2	11 700 *	36.4	77.4	11 400 *	48.4	81.5	10 300										38.0
40.0				18.2	68.4	10 900 *	30.2	74.3	10 700 *	43.7	79.6	9 600	54.2	82.1	7 900							40.0
42.0							22.5	70.3	10 000 *	38.5	77.3	8 900	49.8	80.5	7 400							42.0
44.0							10.5	63.5	9 300 *	32.6	74.5	8 300	45.2	78.7	6 900							44.0
46.0										25.6	70.9	7 800	40.2	76.5	6 400	50.9	79.0	5 000				46.0
48.0										15.9	65.6	7 300	34.5	73.9	6 000	46.3	77.3	4 700				48.0
50.0													27.9	70.6	5 600	41.4	75.2	4 300				50.0
52.0													19.4	66.0	5 200	35.9	72.7	4 100	47.0	75.3	2 900	52.0
56.0																21.7	65.4	3 500	36.8	70.8	2 400	56.0
60.0																			23.0	63.9	2 100	60.0

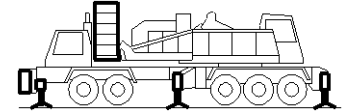


**777T**

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



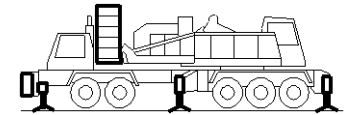
## 54.9m (180 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
12.2	76.0	93.8	20 500 *b																			12.2
14.0	73.0	93.3	20 100 *																			14.0
16.0	69.7	92.6	19 700 *																			16.0
18.0	66.3	91.8	19 300 *																			18.0
20.0	62.9	90.9	18 800 *																			20.0
22.0	59.3	89.8	17 800 *	67.8	91.8	19 400 *																22.0
24.0	55.6	88.5	16 800 *	64.3	90.9	18 600 *																24.0
26.0	51.7	87.0	15 800 *	60.8	89.8	17 700 *	65.8	90.8	16 800 *													26.0
28.0	47.6	85.3	14 900 *	57.1	88.6	16 800 *	62.4	89.9	16 000 *													28.0
30.0	43.2	83.3	14 000 *	53.3	87.2	15 600 *	58.8	88.7	15 100 *													30.0
32.0	38.4	81.0	13 000 *	49.3	85.6	14 400 *	55.0	87.4	14 000 *													32.0
34.0	33.0	78.2	11 800 *	45.0	83.8	13 300 *	51.1	85.9	13 000 *	60.1	88.1	11 800										34.0
36.0	26.7	74.7	10 800 *	40.4	81.6	12 300 *	46.9	84.2	12 000 *	56.4	86.8	10 900										36.0
38.0	18.5	69.9	9 800 *	35.3	79.1	11 500 *	42.5	82.2	11 100 *	52.5	85.4	10 100										38.0
40.0				29.5	75.9	10 700 *	37.6	79.8	10 400 *	48.5	83.8	9 300										40.0
42.0				22.3	71.8	10 000 *	32.1	76.9	9 700 *	44.2	81.9	8 700	53.8	84.4	7 100							42.0
44.0				11.4	65.2	9 100 *	25.6	73.3	9 100 *	39.5	79.6	8 100	49.8	82.8	6 600							44.0
46.0							17.0	68.2	8 600 *	34.2	77.0	7 600	45.5	81.0	6 200							46.0
48.0										28.2	73.7	7 100	41.0	78.9	5 800	50.7	81.3	4 400				48.0
50.0										20.6	69.2	6 700	35.9	76.4	5 400	46.6	79.6	4 100				50.0
52.0													30.2	73.3	5 000	42.1	77.5	3 800				52.0
56.0													13.1	63.2	4 400	31.6	72.2	3 300	42.7	75.6	2 200	56.0
60.0																16.0	63.1	2 800	32.5	70.4	1 900	60.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



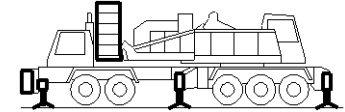
## 54.9m (180 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

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 Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	74.8	96.6	19 000 *																13.7
14.0	74.4	96.5	18 900 *																14.0
16.0	71.3	95.9	18 500 *																16.0
18.0	68.3	95.1	18 100 *																18.0
20.0	65.1	94.3	17 400 *																20.0
22.0	61.9	93.3	16 600 *	69.5	95.0	18 400 *													22.0
24.0	58.5	92.1	15 800 *	66.4	94.2	18 000 *													24.0
26.0	55.1	90.8	15 000 *	63.2	93.3	17 100 *	67.8	94.2	16 200 *										26.0
28.0	51.5	89.3	14 200 *	59.9	92.2	16 300 *	64.6	93.3	15 500 *										28.0
30.0	47.7	87.6	13 400 *	56.5	91.0	15 400 *	61.4	92.2	14 800 *										30.0
32.0	43.6	85.7	12 600 *	53.0	89.6	14 200 *	58.0	91.1	13 800 *										32.0
34.0	39.3	83.4	11 800 *	49.3	87.9	13 100 *	54.6	89.7	12 800 *										34.0
36.0	34.4	80.7	10 800 *	45.3	86.1	12 200 *	50.9	88.2	11 800 *	59.3	90.4	10 700							36.0
38.0	28.9	77.5	9 900 *	41.1	84.0	11 300 *	47.1	86.5	11 000 *	55.9	89.2	9 900							38.0
40.0	22.2	73.3	9 000 *	36.5	81.5	10 600 *	43.0	84.5	10 200 *	52.3	87.7	9 200							40.0
42.0	12.5	66.9	7 900 *	31.3	78.5	9 900 *	38.6	82.2	9 600 *	48.5	86.1	8 600							42.0
44.0				25.2	74.8	9 200 *	33.7	79.4	8 900 *	44.5	84.2	8 000	53.4	86.7	6 500				44.0
46.0				17.2	69.6	8 600 *	28.0	76.1	8 400 *	40.3	82.0	7 500	49.7	85.1	6 000				46.0
48.0							21.1	71.7	7 900 *	35.5	79.4	7 000	45.8	83.3	5 600				48.0
50.0							10.4	64.6	7 400 *	30.2	76.3	6 500	41.6	81.2	5 200	50.6	83.6	3 900	50.0
52.0										23.8	72.4	6 100	37.1	78.8	4 900	46.7	81.9	3 700	52.0
56.0													26.0	72.2	4 300	38.2	77.5	3 100	56.0
60.0																27.5	71.3	2 700	60.0
64.0																8.8	59.1	2 300	64.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



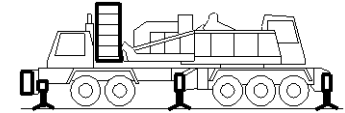
## 54.9m (180 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

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 Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
13.7	75.9	99.7	17 700 *																13.7
14.0	75.5	99.6	17 700 *																14.0
16.0	72.7	99.1	17 200 *																16.0
18.0	69.9	98.4	16 600 *																18.0
20.0	67.0	97.6	16 000 *																20.0
22.0	64.0	96.7	15 400 *																22.0
24.0	61.0	95.6	14 700 *	68.2	97.5	16 900 *													24.0
26.0	57.9	94.5	14 100 *	65.3	96.7	16 500 *													26.0
28.0	54.7	93.1	13 400 *	62.3	95.7	15 800 *	66.6	96.6	14 900 *										28.0
30.0	51.3	91.6	12 700 *	59.2	94.6	15 000 *	63.6	95.7	14 300 *										30.0
32.0	47.8	89.9	12 000 *	56.0	93.3	14 000 *	60.6	94.6	13 600 *										32.0
34.0	44.0	88.0	11 400 *	52.7	91.9	12 900 *	57.4	93.4	12 500 *										34.0
36.0	40.0	85.8	10 700 *	49.3	90.2	11 900 *	54.2	92.1	11 600 *										36.0
38.0	35.6	83.2	9 800 *	45.6	88.4	11 100 *	50.8	90.5	10 700 *	58.6	92.8	9 700							38.0
40.0	30.7	80.1	9 000 *	41.7	86.3	10 300 *	47.2	88.8	10 000 *	55.4	91.5	9 000							40.0
42.0	25.0	76.3	8 300 *	37.5	83.9	9 600 *	43.5	86.8	9 300 *	52.0	90.0	8 400							42.0
44.0	17.6	71.2	7 500 *	32.9	81.1	9 000 *	39.4	84.6	8 700 *	48.6	88.4	7 800							44.0
46.0				27.5	77.6	8 400 *	35.0	81.9	8 200 *	44.9	86.5	7 300	53.1	89.0	5 800				46.0
48.0				21.0	73.2	7 900 *	30.0	78.8	7 700 *	40.9	84.3	6 800	49.7	87.4	5 400				48.0
50.0				11.3	66.3	7 000 *	24.0	74.8	7 200 *	36.6	81.8	6 400	46.0	85.6	5 000				50.0
52.0							16.2	69.4	6 800 *	31.9	78.9	5 900	42.2	83.6	4 700	50.5	85.9	3 400	52.0
56.0										19.4	70.6	5 200	33.4	78.4	4 100	43.1	82.2	2 900	56.0
60.0													21.8	70.7	3 500	34.5	77.2	2 500	60.0
64.0																23.4	70.0	2 100	64.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



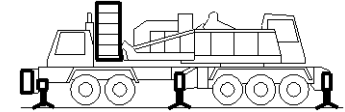
## 54.9m (180 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	74.9	102.5	15 800 *																15.2
16.0	73.9	102.2	15 700 *																16.0
18.0	71.3	101.6	15 300 *																18.0
20.0	68.6	100.9	14 800 *																20.0
22.0	65.9	100.1	14 300 *																22.0
24.0	63.1	99.1	13 700 *																24.0
26.0	60.3	98.0	13 200 *	67.0	100.0	15 300 *													26.0
28.0	57.3	96.8	12 600 *	64.3	99.1	14 600 *													28.0
30.0	54.3	95.4	12 000 *	61.5	98.1	14 000 *	65.5	99.1	13 800 *										30.0
32.0	51.1	93.9	11 400 *	58.6	96.9	13 300 *	62.7	98.1	13 200 *										32.0
34.0	47.8	92.2	10 900 *	55.6	95.6	12 600 *	59.8	97.0	12 500 *										34.0
36.0	44.4	90.3	10 300 *	52.5	94.2	11 900 *	56.9	95.8	11 500 *										36.0
38.0	40.7	88.1	9 700 *	49.2	92.5	11 000 *	53.8	94.4	10 700 *	60.9	96.3	9 700							38.0
40.0	36.6	85.6	9 000 *	45.8	90.7	10 200 *	50.7	92.8	9 900 *	58.0	95.2	8 900							40.0
42.0	32.2	82.7	8 300 *	42.2	88.7	9 600 *	47.4	91.1	9 300 *	55.0	93.8	8 300							42.0
44.0	27.2	79.2	7 600 *	38.4	86.3	8 900 *	43.8	89.1	8 700 *	51.9	92.3	7 700							44.0
46.0	21.0	74.7	7 000 *	34.1	83.6	8 400 *	40.1	86.9	8 100 *	48.6	90.7	7 200	55.9	92.8	5 700				46.0
48.0	12.2	68.0	6 100 *	29.4	80.3	7 800 *	36.0	84.4	7 600 *	45.2	88.8	6 800	52.8	91.3	5 300				48.0
50.0				23.7	76.3	7 300 *	31.5	81.4	7 100 *	41.5	86.7	6 300	49.6	89.7	5 000				50.0
52.0				16.5	70.9	6 700 *	26.3	77.7	6 700 *	37.6	84.3	5 900	46.2	87.9	4 600				52.0
56.0							10.4	65.7	5 900 *	28.3	78.1	5 200	38.8	83.6	4 000	47.0	86.5	2 800	56.0
60.0										14.6	67.9	4 600	29.9	77.7	3 500	39.7	82.3	2 400	60.0
64.0													17.4	68.6	3 000	31.1	76.6	2 000	64.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



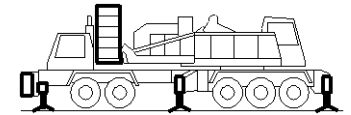
## 54.9m (180 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

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 Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
15.2	75.9	105.6	14 400 *																15.2
16.0	74.9	105.4	14 200 *																16.0
18.0	72.5	104.8	13 900 *																18.0
20.0	70.0	104.2	13 500 *																20.0
22.0	67.5	103.4	13 100 *																22.0
24.0	64.9	102.5	12 600 *																24.0
26.0	62.3	101.5	12 200 *	68.5	103.3	13 900 *													26.0
28.0	59.6	100.4	11 600 *	66.0	102.5	13 300 *													28.0
30.0	56.8	99.1	10 900 *	63.4	101.5	12 600 *													30.0
32.0	54.0	97.8	10 200 *	60.7	100.4	12 000 *	64.5	101.5	12 400 *										32.0
34.0	51.0	96.2	9 700 *	58.0	99.3	11 300 *	61.9	100.5	12 200 *										34.0
36.0	47.9	94.5	9 100 *	55.2	97.9	10 700 *	59.2	99.3	11 300 *										36.0
38.0	44.7	92.6	8 500 *	52.3	96.5	10 000 *	56.4	98.1	10 500 *										38.0
40.0	41.2	90.5	8 000 *	49.2	94.8	9 500 *	53.6	96.7	9 700 *	60.2	98.7	8 700							40.0
42.0	37.5	88.0	7 500 *	46.0	93.0	8 900 *	50.6	95.1	9 000 *	57.4	97.5	8 100							42.0
44.0	33.5	85.2	7 000 *	42.7	91.0	8 300 *	47.5	93.4	8 400 *	54.6	96.2	7 500							44.0
46.0	28.9	81.9	6 600 *	39.1	88.7	7 800 *	44.2	91.5	7 900 *	51.7	94.7	7 000							46.0
48.0	23.6	77.9	6 200 *	35.2	86.0	7 300 *	40.7	89.3	7 400 *	48.6	93.0	6 500	55.5	95.1	5 100				48.0
50.0	16.8	72.4	5 800 *	30.9	82.9	6 800 *	37.0	86.8	6 900 *	45.4	91.1	6 100	52.6	93.6	4 800				50.0
52.0				26.0	79.3	6 400 *	32.8	83.9	6 500 *	42.0	89.0	5 700	49.6	92.0	4 400				52.0
56.0				11.1	67.3	5 500 *	22.8	76.3	5 700 *	34.4	83.9	5 000	43.1	88.2	3 800	50.3	90.5	2 600	56.0
60.0										24.9	76.9	4 400	35.7	83.3	3 300	43.9	86.8	2 200	60.0
64.0										8.4	63.5	3 900	26.6	76.7	2 900	36.6	82.1	1 900	64.0
68.0													12.4	65.4	2 400				68.0

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On  
 Boom No. 78T With Heavy Lift Top  
 43 270 kg Crane Counterweight  
 11 340 kg Front Bumper Counterweight  
 360 Degree Rating on Fully Extended Outriggers

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



## 54.9m (180 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 Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
16.8	75.0	108.4	12 700 *																16.8
18.0	73.5	108.0	12 500 *																18.0
20.0	71.2	107.4	12 000 *																20.0
22.0	68.9	106.7	11 300 *																22.0
24.0	66.5	105.8	10 700 *																24.0
26.0	64.0	104.9	10 100 *	69.9	106.6	11 600 *													26.0
28.0	61.6	103.9	9 500 *	67.5	105.8	11 000 *													28.0
30.0	59.0	102.7	8 900 *	65.1	104.9	10 400 *													30.0
32.0	56.4	101.5	8 300 *	62.6	103.9	9 800 *	66.1	104.8	10 600 *										32.0
34.0	53.7	100.1	7 800 *	60.1	102.8	9 200 *	63.7	103.9	10 000 *										34.0
36.0	50.9	98.5	7 300 *	57.5	101.6	8 700 *	61.2	102.9	9 500 *										36.0
38.0	48.0	96.8	6 800 *	54.8	100.3	8 100 *	58.6	101.7	8 900 *										38.0
40.0	44.9	94.9	6 400 *	52.1	98.8	7 600 *	56.0	100.4	8 400 *	62.1	102.2	8 600							40.0
42.0	41.7	92.8	5 900 *	49.2	97.1	7 100 *	53.3	99.0	7 900 *	59.6	101.1	8 000							42.0
44.0	38.3	90.4	5 500 *	46.2	95.3	6 600 *	50.5	97.4	7 400 *	57.0	99.8	7 400							44.0
46.0	34.5	87.7	5 100 *	43.1	93.3	6 200 *	47.6	95.7	6 900 *	54.3	98.5	6 900							46.0
48.0	30.4	84.6	4 600 *	39.7	91.0	5 700 *	44.5	93.8	6 400 *	51.5	96.9	6 400							48.0
50.0	25.7	80.8	4 200 *	36.1	88.5	5 300 *	41.2	91.6	5 900 *	48.6	95.3	6 000	55.1	97.4	4 600				50.0
52.0	20.0	76.1	3 800 *	32.2	85.5	4 900 *	37.7	89.2	5 500 *	45.6	93.4	5 600	52.4	95.9	4 300				52.0
56.0				22.6	77.8	4 000 *	29.8	83.2	4 600 *	39.0	89.0	4 900	46.6	92.5	3 700				56.0
60.0							19.1	74.4	3 700 *	31.4	83.4	4 300	40.1	88.3	3 200	47.3	91.1	2 100	60.0
64.0										21.4	75.3	3 800	32.7	82.9	2 700				64.0
68.0													23.2	75.3	2 300				68.0