

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

777 SERIES 1

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

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

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom point sheaves, is considered part of main boom load. Weight of luffing jib and 1 280 kg suspended beneath luffing jib point sheaves have been included in capacity determination. Boom is not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS: Machine to operate in a level position on a firm uniformly supporting surface. During operation, luffing jib must be maintained at proper boom to luffing jib angle shown in table. Refer to luffing jib assembly **No. 179420**, Wire Rope Specification chart **No. 7985-A** and Luffing Jib Raising Procedure chart **No. 7986-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

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

OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle is angle between horizontal and centerline of boom butt and inserts and is an indication of operating radius. In all cases, operating radius shall govern capacity.

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

MACHINE EQUIPMENT: Machine equipped with 7 544 mm crawlers, 965 mm or 1 219 mm treads, two 305 mm boom hoist cylinders, 7 925 mm mast, four 32 mm boom pendants, 7 part luffing jib hoist reeving, two 38 mm luffing jib pendants, two 35 mm luffing jib backstays, and 47 630 kg counterweight.

Consult chart **No. 7980-AM** for luffing jib capacities.

Luffing Jib Position During Operation	
Luffing Jib Length - Meters	Boom To Luffing Jib Angle
21.3m	145 Degrees
24.4m - 27.4m	150 Degrees
30.5m - 36.6m	160 Degrees
39.6m - 51.8m	168 Degrees

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Boom No. 78, Luffing Jib No. 139

47 630 kg Counterweight

360 Degree Rating

21.3m (70 Ft.) Luffing Jib, Attached at 145 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
21.3m (70 Ft.) BOOM			
4.3	82.7	23.4	125 200 *
4.5	82.0	23.4	118 500 *
5.0	80.7	23.3	105 700 *
5.5	79.3	23.2	95 300 *
6.0	77.9	23.1	86 400 *
7.0	75.2	22.8	70 000
8.0	72.3	22.5	53 600
9.0	69.5	22.1	42 900
10.0	66.6	21.7	35 100
11.0	63.6	21.2	29 200
12.0	60.5	20.6	24 500
14.0	54.0	19.3	17 600
16.0	46.9	17.6	12 800
18.0	38.8	15.3	9 300
24.4m (80 Ft.) BOOM			
4.6	82.9	26.4	112 800 *
5.0	81.9	26.4	106 500 *
5.5	80.7	26.3	95 500 *
6.0	79.5	26.2	86 600 *
7.0	77.1	26.0	70 900
8.0	74.6	25.7	54 300
9.0	72.2	25.4	43 500
10.0	69.6	25.0	35 700
11.0	67.1	24.6	29 700
12.0	64.5	24.1	25 000
14.0	59.1	23.0	18 100
16.0	53.4	21.6	13 200
18.0	47.2	19.9	9 600
27.4m (90 Ft.) BOOM			
4.9	83.0	29.5	104 600 *
5.0	82.8	29.5	103 400 *
5.5	81.7	29.4	95 600 *
6.0	80.6	29.3	86 700 *
7.0	78.5	29.1	71 100
8.0	76.4	28.9	54 700
9.0	74.2	28.6	43 900
10.0	72.0	28.3	36 000
11.0	69.8	27.9	30 000
12.0	67.5	27.5	25 300
14.0	62.9	26.5	18 400
16.0	58.0	25.3	13 500
18.0	52.9	23.9	9 900
20.0	47.4	22.2	7 200

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
5.5	82.6	32.5	89 300 *
6.0	81.6	32.4	85 000 *
7.0	79.7	32.2	71 500
8.0	77.8	32.0	55 200
9.0	75.8	31.7	44 300
10.0	73.9	31.5	36 300
11.0	71.9	31.1	30 300
12.0	69.9	30.8	25 600
14.0	65.8	29.9	18 600
16.0	61.6	28.9	13 700
18.0	57.2	27.7	10 100
20.0	52.5	26.2	7 300
33.5m (110 Ft.) BOOM			
5.8	82.7	35.5	84 900 *
6.0	82.4	35.5	83 200 *
7.0	80.6	35.3	71 600
8.0	78.9	35.1	55 200
9.0	77.1	34.9	44 300
10.0	75.4	34.6	36 400
11.0	73.6	34.3	30 400
12.0	71.8	34.0	25 600
14.0	68.1	33.2	18 600
16.0	64.4	32.3	13 800
18.0	60.5	31.3	10 200
20.0	56.4	30.0	7 400
36.6m (120 Ft.) BOOM			
6.1	82.9	38.5	77 200 *
7.0	81.4	38.4	70 100
8.0	79.8	38.2	55 500
9.0	78.2	38.0	44 600
10.0	76.6	37.8	36 700
11.0	75.0	37.5	30 600
12.0	73.4	37.2	25 900
14.0	70.1	36.5	18 800
16.0	66.7	35.7	14 000
18.0	63.2	34.7	10 400
20.0	59.6	33.6	7 600
22.0	55.8	32.3	5 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
39.6m (130 Ft.) BOOM			
6.7	82.5	41.5	69 800 *
7.0	82.1	41.5	67 900
8.0	80.6	41.3	55 700
9.0	79.1	41.1	44 700
10.0	77.7	40.9	36 800
11.0	76.2	40.7	30 700
12.0	74.7	40.4	26 000
14.0	71.6	39.8	19 000
16.0	68.6	39.0	14 000
18.0	65.4	38.1	10 400
20.0	62.2	37.1	7 700
22.0	58.8	36.0	5 400
42.7m (140 Ft.) BOOM			
7.3	82.2	44.5	62 400 *
8.0	81.3	44.4	56 200
9.0	79.9	44.2	44 900
10.0	78.6	44.0	36 900
11.0	77.2	43.8	30 800
12.0	75.8	43.6	26 100
14.0	73.0	43.0	19 000
16.0	70.2	42.3	14 100
18.0	67.3	41.5	10 400
20.0	64.3	40.6	7 600
22.0	61.3	39.5	5 400

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

24.4m (80 Ft.) Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
21.3m (70 Ft.) BOOM			
4.3	82.7	23.4	124 000 *
4.5	82.0	23.4	117 300 *
5.0	80.7	23.3	104 500 *
5.5	79.3	23.2	94 000 *
6.0	77.9	23.1	85 100 *
7.0	75.2	22.8	68 700
8.0	72.3	22.5	52 400
9.0	69.5	22.1	41 700
10.0	66.6	21.7	33 900
11.0	63.6	21.2	28 000
12.0	60.5	20.6	23 400
14.0	54.0	19.3	16 500
16.0	46.9	17.6	11 700
18.0	38.8	15.3	8 200
24.4m (80 Ft.) BOOM			
4.6	82.9	26.4	112 100 *
5.0	81.9	26.4	105 300 *
5.5	80.7	26.3	94 400 *
6.0	79.5	26.2	85 500 *
7.0	77.1	26.0	69 700
8.0	74.6	25.7	53 200
9.0	72.2	25.4	42 400
10.0	69.6	25.0	34 600
11.0	67.1	24.6	28 700
12.0	64.5	24.1	24 000
14.0	59.1	23.0	17 100
16.0	53.4	21.6	12 300
18.0	47.2	19.9	8 700
27.4m (90 Ft.) BOOM			
4.9	83.0	29.5	104 000 *
5.0	82.8	29.5	102 800 *
5.5	81.7	29.4	94 500 *
6.0	80.6	29.3	85 600 *
7.0	78.5	29.1	70 000
8.0	76.4	28.9	53 700
9.0	74.2	28.6	42 800
10.0	72.0	28.3	35 000
11.0	69.8	27.9	29 100
12.0	67.5	27.5	24 300
14.0	62.9	26.5	17 400
16.0	58.0	25.3	12 600
18.0	52.9	23.9	9 000
20.0	47.4	22.2	6 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
5.5	82.6	32.5	88 700 *
6.0	81.6	32.4	84 500 *
7.0	79.7	32.2	70 400
8.0	77.8	32.0	54 200
9.0	75.8	31.7	43 300
10.0	73.9	31.5	35 400
11.0	71.9	31.1	29 400
12.0	69.9	30.8	24 700
14.0	65.8	29.9	17 700
16.0	61.6	28.9	12 800
18.0	57.2	27.7	9 300
20.0	52.5	26.2	6 500
33.5m (110 Ft.) BOOM			
5.8	82.7	35.5	84 400 *
6.0	82.4	35.5	82 600 *
7.0	80.6	35.3	70 500
8.0	78.9	35.1	54 200
9.0	77.1	34.9	43 400
10.0	75.4	34.6	35 500
11.0	73.6	34.3	29 500
12.0	71.8	34.0	24 800
14.0	68.1	33.2	17 800
16.0	64.4	32.3	13 000
18.0	60.5	31.3	9 400
20.0	56.4	30.0	6 700
36.6m (120 Ft.) BOOM			
6.1	82.9	38.5	76 700 *
7.0	81.4	38.4	69 400
8.0	79.8	38.2	54 600
9.0	78.2	38.0	43 700
10.0	76.6	37.8	35 800
11.0	75.0	37.5	29 700
12.0	73.4	37.2	25 000
14.0	70.1	36.5	18 100
16.0	66.7	35.7	13 200
18.0	63.2	34.7	9 600
20.0	59.6	33.6	6 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
39.6m (130 Ft.) BOOM			
6.7	82.5	41.5	69 300 *
7.0	82.1	41.5	67 200
8.0	80.6	41.3	54 800
9.0	79.1	41.1	43 900
10.0	77.7	40.9	35 900
11.0	76.2	40.7	29 900
12.0	74.7	40.4	25 200
14.0	71.6	39.8	18 200
16.0	68.6	39.0	13 300
18.0	65.4	38.1	9 700
20.0	62.2	37.1	6 900
42.7m (140 Ft.) BOOM			
7.3	82.2	44.5	61 900 *
8.0	81.3	44.4	55 200
9.0	79.9	44.2	44 100
10.0	78.6	44.0	36 100
11.0	77.2	43.8	30 100
12.0	75.8	43.6	25 300
14.0	73.0	43.0	18 200
16.0	70.2	42.3	13 300
18.0	67.3	41.5	9 700
20.0	64.3	40.6	6 900

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Boom No. 78, Luffing Jib No. 139

47 630 kg Counterweight

360 Degree Rating

27.4m (90 Ft.) Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
21.3m (70 Ft.) BOOM			
4.3	82.7	23.4	121 700 *
4.5	82.0	23.4	115 100 *
5.0	80.7	23.3	102 400 *
5.5	79.3	23.2	92 000 *
6.0	77.9	23.1	83 200 *
7.0	75.2	22.8	66 500
8.0	72.3	22.5	50 600
9.0	69.5	22.1	40 000
10.0	66.6	21.7	32 400
11.0	63.6	21.2	26 600
12.0	60.5	20.6	22 100
14.0	54.0	19.3	15 400
16.0	46.9	17.6	10 700
18.0	38.8	15.3	7 300
24.4m (80 Ft.) BOOM			
4.6	82.9	26.4	111 200 *
5.0	81.9	26.4	103 100 *
5.5	80.7	26.3	92 400 *
6.0	79.5	26.2	83 600 *
7.0	77.1	26.0	67 600
8.0	74.6	25.7	51 400
9.0	72.2	25.4	40 800
10.0	69.6	25.0	33 100
11.0	67.1	24.6	27 300
12.0	64.5	24.1	22 700
14.0	59.1	23.0	16 000
16.0	53.4	21.6	11 200
18.0	47.2	19.9	7 800
27.4m (90 Ft.) BOOM			
4.9	83.0	29.5	103 100 *
5.0	82.8	29.5	101 500 *
5.5	81.7	29.4	92 600 *
6.0	80.6	29.3	83 800 *
7.0	78.5	29.1	68 200
8.0	76.4	28.9	51 900
9.0	74.2	28.6	41 300
10.0	72.0	28.3	33 600
11.0	69.8	27.9	27 800
12.0	67.5	27.5	23 100
14.0	62.9	26.5	16 400
16.0	58.0	25.3	11 600
18.0	52.9	23.9	8 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
5.5	82.6	32.5	87 900 *
6.0	81.6	32.4	83 400 *
7.0	79.7	32.2	68 600
8.0	77.8	32.0	52 500
9.0	75.8	31.7	41 800
10.0	73.9	31.5	34 000
11.0	71.9	31.1	28 200
12.0	69.9	30.8	23 500
14.0	65.8	29.9	16 700
16.0	61.6	28.9	11 900
18.0	57.2	27.7	8 400
33.5m (110 Ft.) BOOM			
5.8	82.7	35.5	83 600 *
6.0	82.4	35.5	81 900 *
7.0	80.6	35.3	68 700
8.0	78.9	35.1	52 600
9.0	77.1	34.9	41 900
10.0	75.4	34.6	34 100
11.0	73.6	34.3	28 300
12.0	71.8	34.0	23 600
14.0	68.1	33.2	16 800
16.0	64.4	32.3	12 000
18.0	60.5	31.3	8 500
36.6m (120 Ft.) BOOM			
6.1	82.9	38.5	76 100 *
7.0	81.4	38.4	68 300
8.0	79.8	38.2	52 900
9.0	78.2	38.0	42 300
10.0	76.6	37.8	34 500
11.0	75.0	37.5	28 600
12.0	73.4	37.2	23 900
14.0	70.1	36.5	17 000
16.0	66.7	35.7	12 300
18.0	63.2	34.7	8 700
20.0	59.6	33.6	6 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
39.6m (130 Ft.) BOOM			
6.7	82.5	41.5	68 600 *
7.0	82.1	41.5	66 000
8.0	80.6	41.3	53 200
9.0	79.1	41.1	42 500
10.0	77.7	40.9	34 600
11.0	76.2	40.7	28 700
12.0	74.7	40.4	24 100
14.0	71.6	39.8	17 200
16.0	68.6	39.0	12 400
18.0	65.4	38.1	8 900
20.0	62.2	37.1	6 100
42.7m (140 Ft.) BOOM			
7.3	82.2	44.5	61 300 *
8.0	81.3	44.4	53 600
9.0	79.9	44.2	42 700
10.0	78.6	44.0	34 900
11.0	77.2	43.8	28 900
12.0	75.8	43.6	24 200
14.0	73.0	43.0	17 300
16.0	70.2	42.3	12 500
18.0	67.3	41.5	8 900
20.0	64.3	40.6	6 200

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

30.5m (100 Ft.) Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
21.3m (70 Ft.) BOOM			
4.3	82.7	23.4	123 300 *
4.5	82.0	23.4	116 500 *
5.0	80.7	23.3	103 600 *
5.5	79.3	23.2	92 900 *
6.0	77.9	23.1	83 900 *
7.0	75.2	22.8	67 300
8.0	72.3	22.5	50 900
9.0	69.5	22.1	40 100
10.0	66.6	21.7	32 300
11.0	63.6	21.2	26 300
12.0	60.5	20.6	21 700
14.0	54.0	19.3	14 800
16.0	46.9	17.6	9 900
18.0	38.8	15.3	6 400
24.4m (80 Ft.) BOOM			
4.6	82.9	26.4	111 900 *
5.0	81.9	26.4	104 500 *
5.5	80.7	26.3	93 400 *
6.0	79.5	26.2	84 500 *
7.0	77.1	26.0	68 500
8.0	74.6	25.7	51 900
9.0	72.2	25.4	41 000
10.0	69.6	25.0	33 200
11.0	67.1	24.6	27 200
12.0	64.5	24.1	22 500
14.0	59.1	23.0	15 500
16.0	53.4	21.6	10 700
18.0	47.2	19.9	7 100
27.4m (90 Ft.) BOOM			
4.9	83.0	29.5	103 800 *
5.0	82.8	29.5	102 300 *
5.5	81.7	29.4	93 700 *
6.0	80.6	29.3	84 700 *
7.0	78.5	29.1	69 000
8.0	76.4	28.9	52 500
9.0	74.2	28.6	41 600
10.0	72.0	28.3	33 800
11.0	69.8	27.9	27 700
12.0	67.5	27.5	23 000
14.0	62.9	26.5	16 100
16.0	58.0	25.3	11 200
18.0	52.9	23.9	7 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
5.5	82.6	32.5	88 400 *
6.0	81.6	32.4	84 100 *
7.0	79.7	32.2	69 400
8.0	77.8	32.0	53 200
9.0	75.8	31.7	42 200
10.0	73.9	31.5	34 300
11.0	71.9	31.1	28 200
12.0	69.9	30.8	23 500
14.0	65.8	29.9	16 500
16.0	61.6	28.9	11 500
18.0	57.2	27.7	7 900
33.5m (110 Ft.) BOOM			
5.8	82.7	35.5	84 000 *
6.0	82.4	35.5	82 300 *
7.0	80.6	35.3	69 600
8.0	78.9	35.1	53 300
9.0	77.1	34.9	42 400
10.0	75.4	34.6	34 500
11.0	73.6	34.3	28 400
12.0	71.8	34.0	23 700
14.0	68.1	33.2	16 700
16.0	64.4	32.3	11 800
18.0	60.5	31.3	8 100
36.6m (120 Ft.) BOOM			
6.1	82.9	38.5	76 400 *
7.0	81.4	38.4	68 900
8.0	79.8	38.2	53 800
9.0	78.2	38.0	42 800
10.0	76.6	37.8	34 800
11.0	75.0	37.5	28 800
12.0	73.4	37.2	24 000
14.0	70.1	36.5	17 000
16.0	66.7	35.7	12 100
18.0	63.2	34.7	8 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
39.6m (130 Ft.) BOOM			
6.7	82.5	41.5	68 900 *
7.0	82.1	41.5	66 700
8.0	80.6	41.3	54 100
9.0	79.1	41.1	43 100
10.0	77.7	40.9	35 100
11.0	76.2	40.7	29 000
12.0	74.7	40.4	24 200
14.0	71.6	39.8	17 200
16.0	68.6	39.0	12 300
18.0	65.4	38.1	8 600
42.7m (140 Ft.) BOOM			
7.3	82.2	44.5	61 500 *
8.0	81.3	44.4	54 600
9.0	79.9	44.2	43 300
10.0	78.6	44.0	35 300
11.0	77.2	43.8	29 200
12.0	75.8	43.6	24 400
14.0	73.0	43.0	17 300
16.0	70.2	42.3	12 300
18.0	67.3	41.5	8 700

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

777 SERIES 1

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

33.5m (110 Ft.) Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
21.3m (70 Ft.) BOOM			
4.3	82.7	23.4	121 800 *
4.5	82.0	23.4	115 000 *
5.0	80.7	23.3	102 200 *
5.5	79.3	23.2	91 600 *
6.0	77.9	23.1	82 700 *
7.0	75.2	22.8	65 700
8.0	72.3	22.5	49 600
9.0	69.5	22.1	38 900
10.0	66.6	21.7	31 200
11.0	63.6	21.2	25 300
12.0	60.5	20.6	20 700
14.0	54.0	19.3	13 900
16.0	46.9	17.6	9 100
18.0	38.8	15.3	5 700
24.4m (80 Ft.) BOOM			
4.6	82.9	26.4	111 000 *
5.0	81.9	26.4	103 000 *
5.5	80.7	26.3	92 200 *
6.0	79.5	26.2	83 200 *
7.0	77.1	26.0	67 000
8.0	74.6	25.7	50 600
9.0	72.2	25.4	39 900
10.0	69.6	25.0	32 100
11.0	67.1	24.6	26 200
12.0	64.5	24.1	21 600
14.0	59.1	23.0	14 700
16.0	53.4	21.6	9 900
18.0	47.2	19.9	6 400
27.4m (90 Ft.) BOOM			
4.9	83.0	29.5	103 000 *
5.0	82.8	29.5	101 400 *
5.5	81.7	29.4	92 400 *
6.0	80.6	29.3	83 500 *
7.0	78.5	29.1	67 800
8.0	76.4	28.9	51 300
9.0	74.2	28.6	40 600
10.0	72.0	28.3	32 800
11.0	69.8	27.9	26 800
12.0	67.5	27.5	22 100
14.0	62.9	26.5	15 300
16.0	58.0	25.3	10 500
18.0	52.9	23.9	6 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
5.5	82.6	32.5	87 700 *
6.0	81.6	32.4	83 200 *
7.0	79.7	32.2	68 200
8.0	77.8	32.0	52 000
9.0	75.8	31.7	41 200
10.0	73.9	31.5	33 300
11.0	71.9	31.1	27 300
12.0	69.9	30.8	22 600
14.0	65.8	29.9	15 700
16.0	61.6	28.9	10 900
18.0	57.2	27.7	7 300
33.5m (110 Ft.) BOOM			
5.8	82.7	35.5	83 400 *
6.0	82.4	35.5	81 700 *
7.0	80.6	35.3	68 400
8.0	78.9	35.1	52 200
9.0	77.1	34.9	41 400
10.0	75.4	34.6	33 500
11.0	73.6	34.3	27 600
12.0	71.8	34.0	22 900
14.0	68.1	33.2	16 000
16.0	64.4	32.3	11 100
18.0	60.5	31.3	7 600
36.6m (120 Ft.) BOOM			
6.1	82.9	38.5	75 800 *
7.0	81.4	38.4	68 100
8.0	79.8	38.2	52 700
9.0	78.2	38.0	41 800
10.0	76.6	37.8	34 000
11.0	75.0	37.5	28 000
12.0	73.4	37.2	23 200
14.0	70.1	36.5	16 300
16.0	66.7	35.7	11 400
18.0	63.2	34.7	7 900
39.6m (130 Ft.) BOOM			
6.7	82.5	41.5	68 400 *
7.0	82.1	41.5	65 800
8.0	80.6	41.3	53 000
9.0	79.1	41.1	42 100
10.0	77.7	40.9	34 200
11.0	76.2	40.7	28 200
12.0	74.7	40.4	23 500
14.0	71.6	39.8	16 500
16.0	68.6	39.0	11 600
18.0	65.4	38.1	8 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.3	82.2	44.5	61 000 *
8.0	81.3	44.4	53 500
9.0	79.9	44.2	42 400
10.0	78.6	44.0	34 500
11.0	77.2	43.8	28 400
12.0	75.8	43.6	23 700
14.0	73.0	43.0	16 700
16.0	70.2	42.3	11 800
18.0	67.3	41.5	8 100

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

777 SERIES 1

Boom No. 78, Luffing Jib No. 139

47 630 kg Counterweight

360 Degree Rating

36.6m (120 Ft.) Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
21.3m (70 Ft.) BOOM			
4.3	82.7	23.4	119 500 *
4.5	82.0	23.4	112 800 *
5.0	80.7	23.3	100 100 *
5.5	79.3	23.2	89 500 *
6.0	77.9	23.1	80 600 *
7.0	75.2	22.8	63 400
8.0	72.3	22.5	47 600
9.0	69.5	22.1	37 100
10.0	66.6	21.7	29 500
11.0	63.6	21.2	23 700
12.0	60.5	20.6	19 200
14.0	54.0	19.3	12 500
16.0	46.9	17.6	7 800
24.4m (80 Ft.) BOOM			
4.6	82.9	26.4	109 800 *
5.0	81.9	26.4	100 800 *
5.5	80.7	26.3	90 100 *
6.0	79.5	26.2	81 300 *
7.0	77.1	26.0	64 800
8.0	74.6	25.7	48 700
9.0	72.2	25.4	38 200
10.0	69.6	25.0	30 500
11.0	67.1	24.6	24 700
12.0	64.5	24.1	20 100
14.0	59.1	23.0	13 400
16.0	53.4	21.6	8 700
18.0	47.2	19.9	5 200
27.4m (90 Ft.) BOOM			
4.9	83.0	29.5	101 900 *
5.0	82.8	29.5	99 900 *
5.5	81.7	29.4	90 500 *
6.0	80.6	29.3	81 600 *
7.0	78.5	29.1	65 700
8.0	76.4	28.9	49 500
9.0	74.2	28.6	38 900
10.0	72.0	28.3	31 200
11.0	69.8	27.9	25 400
12.0	67.5	27.5	20 800
14.0	62.9	26.5	14 000
16.0	58.0	25.3	9 300
18.0	52.9	23.9	5 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
5.5	82.6	32.5	86 600 *
6.0	81.6	32.4	81 700 *
7.0	79.7	32.2	66 400
8.0	77.8	32.0	50 200
9.0	75.8	31.7	39 600
10.0	73.9	31.5	31 800
11.0	71.9	31.1	25 900
12.0	69.9	30.8	21 300
14.0	65.8	29.9	14 500
16.0	61.6	28.9	9 700
18.0	57.2	27.7	6 200
33.5m (110 Ft.) BOOM			
5.8	82.7	35.5	82 400 *
6.0	82.4	35.5	80 700 *
7.0	80.6	35.3	66 600
8.0	78.9	35.1	50 500
9.0	77.1	34.9	39 800
10.0	75.4	34.6	32 100
11.0	73.6	34.3	26 200
12.0	71.8	34.0	21 600
14.0	68.1	33.2	14 800
16.0	64.4	32.3	10 000
18.0	60.5	31.3	6 500
36.6m (120 Ft.) BOOM			
6.1	82.9	38.5	74 900 *
7.0	81.4	38.4	66 900
8.0	79.8	38.2	51 000
9.0	78.2	38.0	40 300
10.0	76.6	37.8	32 500
11.0	75.0	37.5	26 600
12.0	73.4	37.2	22 000
14.0	70.1	36.5	15 100
16.0	66.7	35.7	10 400
18.0	63.2	34.7	6 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
39.6m (130 Ft.) BOOM			
6.7	82.5	41.5	67 500 *
7.0	82.1	41.5	64 600
8.0	80.6	41.3	51 400
9.0	79.1	41.1	40 600
10.0	77.7	40.9	32 800
11.0	76.2	40.7	26 900
12.0	74.7	40.4	22 300
14.0	71.6	39.8	15 400
16.0	68.6	39.0	10 600
18.0	65.4	38.1	7 000
42.7m (140 Ft.) BOOM			
7.3	82.2	44.5	60 200 *
8.0	81.3	44.4	51 800
9.0	79.9	44.2	40 900
10.0	78.6	44.0	33 100
11.0	77.2	43.8	27 200
12.0	75.8	43.6	22 500
14.0	73.0	43.0	15 600
16.0	70.2	42.3	10 800
18.0	67.3	41.5	7 200

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

777 SERIES 1

Boom No. 78, Luffing Jib No. 139

47 630 kg Counterweight

360 Degree Rating

39.6m (130 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
21.3m (70 Ft.) BOOM			
4.3	82.7	23.4	122 500 *
4.5	82.0	23.4	115 600 *
5.0	80.7	23.3	102 500 *
5.5	79.3	23.2	91 600 *
6.0	77.9	23.1	82 400 *
7.0	75.2	22.8	65 300
8.0	72.3	22.5	48 800
9.0	69.5	22.1	38 000
10.0	66.6	21.7	30 100
11.0	63.6	21.2	24 100
12.0	60.5	20.6	19 300
14.0	54.0	19.3	12 300
16.0	46.9	17.6	7 500
24.4m (80 Ft.) BOOM			
4.6	82.9	26.4	111 300 *
5.0	81.9	26.4	103 500 *
5.5	80.7	26.3	92 300 *
6.0	79.5	26.2	83 200 *
7.0	77.1	26.0	67 000
8.0	74.6	25.7	50 200
9.0	72.2	25.4	39 200
10.0	69.6	25.0	31 300
11.0	67.1	24.6	25 200
12.0	64.5	24.1	20 400
14.0	59.1	23.0	13 400
16.0	53.4	21.6	8 500
27.4m (90 Ft.) BOOM			
4.9	83.0	29.5	103 200 *
5.0	82.8	29.5	101 700 *
5.5	81.7	29.4	92 800 *
6.0	80.6	29.3	83 600 *
7.0	78.5	29.1	67 700
8.0	76.4	28.9	51 100
9.0	74.2	28.6	40 100
10.0	72.0	28.3	32 100
11.0	69.8	27.9	26 000
12.0	67.5	27.5	21 200
14.0	62.9	26.5	14 200
16.0	58.0	25.3	9 300
18.0	52.9	23.9	5 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
5.5	82.6	32.5	87 800 *
6.0	81.6	32.4	83 300 *
7.0	79.7	32.2	68 200
8.0	77.8	32.0	51 900
9.0	75.8	31.7	40 800
10.0	73.9	31.5	32 800
11.0	71.9	31.1	26 700
12.0	69.9	30.8	21 900
14.0	65.8	29.9	14 800
16.0	61.6	28.9	9 800
18.0	57.2	27.7	6 200
33.5m (110 Ft.) BOOM			
5.8	82.7	35.5	83 500 *
6.0	82.4	35.5	81 700 *
7.0	80.6	35.3	68 600
8.0	78.9	35.1	52 200
9.0	77.1	34.9	41 200
10.0	75.4	34.6	33 100
11.0	73.6	34.3	27 000
12.0	71.8	34.0	22 200
14.0	68.1	33.2	15 100
16.0	64.4	32.3	10 200
18.0	60.5	31.3	6 500
36.6m (120 Ft.) BOOM			
6.1	82.9	38.5	75 900 *
7.0	81.4	38.4	68 200
8.0	79.8	38.2	52 800
9.0	78.2	38.0	41 700
10.0	76.6	37.8	33 600
11.0	75.0	37.5	27 500
12.0	73.4	37.2	22 700
14.0	70.1	36.5	15 600
16.0	66.7	35.7	10 600
18.0	63.2	34.7	6 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
39.6m (130 Ft.) BOOM			
6.7	82.5	41.5	68 400 *
7.0	82.1	41.5	66 100
8.0	80.6	41.3	53 200
9.0	79.1	41.1	42 100
10.0	77.7	40.9	34 000
11.0	76.2	40.7	27 800
12.0	74.7	40.4	23 000
14.0	71.6	39.8	15 900
16.0	68.6	39.0	10 900
18.0	65.4	38.1	7 200
42.7m (140 Ft.) BOOM			
7.3	82.2	44.5	61 000 *
8.0	81.3	44.4	53 800
9.0	79.9	44.2	42 400
10.0	78.6	44.0	34 300
11.0	77.2	43.8	28 200
12.0	75.8	43.6	23 300
14.0	73.0	43.0	16 100
16.0	70.2	42.3	11 100
18.0	67.3	41.5	7 400

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

777 SERIES 1

Boom No. 78, Luffing Jib No. 139

47 630 kg Counterweight

360 Degree Rating

42.7m (140 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
21.3m (70 Ft.) BOOM			
4.3	82.7	23.4	120 700 *
4.5	82.0	23.4	113 800 *
5.0	80.7	23.3	100 600 *
5.5	79.3	23.2	89 800 *
6.0	77.9	23.1	80 700 *
7.0	75.2	22.8	63 300
8.0	72.3	22.5	47 000
9.0	69.5	22.1	36 300
10.0	66.6	21.7	28 500
11.0	63.6	21.2	22 500
12.0	60.5	20.6	17 900
14.0	54.0	19.3	10 900
16.0	46.9	17.6	6 100
24.4m (80 Ft.) BOOM			
4.6	82.9	26.4	110 300 *
5.0	81.9	26.4	101 700 *
5.5	80.7	26.3	90 600 *
6.0	79.5	26.2	81 500 *
7.0	77.1	26.0	65 100
8.0	74.6	25.7	48 500
9.0	72.2	25.4	37 600
10.0	69.6	25.0	29 800
11.0	67.1	24.6	23 800
12.0	64.5	24.1	19 100
14.0	59.1	23.0	12 100
16.0	53.4	21.6	7 200
27.4m (90 Ft.) BOOM			
4.9	83.0	29.5	102 300 *
5.0	82.8	29.5	100 400 *
5.5	81.7	29.4	91 100 *
6.0	80.6	29.3	82 100 *
7.0	78.5	29.1	66 000
8.0	76.4	28.9	49 400
9.0	74.2	28.6	38 600
10.0	72.0	28.3	30 700
11.0	69.8	27.9	24 700
12.0	67.5	27.5	19 900
14.0	62.9	26.5	13 000
16.0	58.0	25.3	8 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
5.5	82.6	32.5	86 900 *
6.0	81.6	32.4	82 000 *
7.0	79.7	32.2	66 700
8.0	77.8	32.0	50 300
9.0	75.8	31.7	39 400
10.0	73.9	31.5	31 400
11.0	71.9	31.1	25 400
12.0	69.9	30.8	20 600
14.0	65.8	29.9	13 600
16.0	61.6	28.9	8 700
18.0	57.2	27.7	5 100
33.5m (110 Ft.) BOOM			
5.8	82.7	35.5	82 700 *
6.0	82.4	35.5	80 900 *
7.0	80.6	35.3	67 000
8.0	78.9	35.1	50 700
9.0	77.1	34.9	39 800
10.0	75.4	34.6	31 800
11.0	73.6	34.3	25 800
12.0	71.8	34.0	21 000
14.0	68.1	33.2	14 000
16.0	64.4	32.3	9 100
18.0	60.5	31.3	5 500
36.6m (120 Ft.) BOOM			
6.1	82.9	38.5	75 100 *
7.0	81.4	38.4	67 200
8.0	79.8	38.2	51 400
9.0	78.2	38.0	40 400
10.0	76.6	37.8	32 400
11.0	75.0	37.5	26 300
12.0	73.4	37.2	21 500
14.0	70.1	36.5	14 500
16.0	66.7	35.7	9 600
18.0	63.2	34.7	5 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
39.6m (130 Ft.) BOOM			
6.7	82.5	41.5	67 700 *
7.0	82.1	41.5	65 000
8.0	80.6	41.3	51 800
9.0	79.1	41.1	40 800
10.0	77.7	40.9	32 800
11.0	76.2	40.7	26 700
12.0	74.7	40.4	21 900
14.0	71.6	39.8	14 800
16.0	68.6	39.0	9 900
18.0	65.4	38.1	6 200
42.7m (140 Ft.) BOOM			
7.3	82.2	44.5	60 300 *
8.0	81.3	44.4	52 400
9.0	79.9	44.2	41 200
10.0	78.6	44.0	33 100
11.0	77.2	43.8	27 000
12.0	75.8	43.6	22 200
14.0	73.0	43.0	15 100
16.0	70.2	42.3	10 100
18.0	67.3	41.5	6 500



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

777 SERIES 1

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

45.7m (150 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
21.3m (70 Ft.) BOOM			
4.3	82.7	23.4	119 200 *
4.5	82.0	23.4	112 400 *
5.0	80.7	23.3	99 300 *
5.5	79.3	23.2	88 500 *
6.0	77.9	23.1	79 400 *
7.0	75.2	22.8	61 800
8.0	72.3	22.5	45 700
9.0	69.5	22.1	35 000
10.0	66.6	21.7	27 300
11.0	63.6	21.2	21 400
12.0	60.5	20.6	16 800
14.0	54.0	19.3	10 000
24.4m (80 Ft.) BOOM			
4.6	82.9	26.4	109 600 *
5.0	81.9	26.4	100 400 *
5.5	80.7	26.3	89 400 *
6.0	79.5	26.2	80 300 *
7.0	77.1	26.0	63 600
8.0	74.6	25.7	47 200
9.0	72.2	25.4	36 500
10.0	69.6	25.0	28 700
11.0	67.1	24.6	22 800
12.0	64.5	24.1	18 100
14.0	59.1	23.0	11 200
16.0	53.4	21.6	6 400
27.4m (90 Ft.) BOOM			
4.9	83.0	29.5	101 600 *
5.0	82.8	29.5	99 600 *
5.5	81.7	29.4	89 900 *
6.0	80.6	29.3	80 900 *
7.0	78.5	29.1	64 700
8.0	76.4	28.9	48 300
9.0	74.2	28.6	37 500
10.0	72.0	28.3	29 700
11.0	69.8	27.9	23 700
12.0	67.5	27.5	19 000
14.0	62.9	26.5	12 100
16.0	58.0	25.3	7 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
5.5	82.6	32.5	86 300 *
6.0	81.6	32.4	81 100 *
7.0	79.7	32.2	65 600
8.0	77.8	32.0	49 200
9.0	75.8	31.7	38 400
10.0	73.9	31.5	30 500
11.0	71.9	31.1	24 500
12.0	69.9	30.8	19 800
14.0	65.8	29.9	12 800
16.0	61.6	28.9	8 000
33.5m (110 Ft.) BOOM			
5.8	82.7	35.5	82 100 *
6.0	82.4	35.5	80 300 *
7.0	80.6	35.3	65 900
8.0	78.9	35.1	49 700
9.0	77.1	34.9	38 800
10.0	75.4	34.6	30 900
11.0	73.6	34.3	24 900
12.0	71.8	34.0	20 200
14.0	68.1	33.2	13 300
16.0	64.4	32.3	8 400
36.6m (120 Ft.) BOOM			
6.1	82.9	38.5	74 600 *
7.0	81.4	38.4	66 400
8.0	79.8	38.2	50 300
9.0	78.2	38.0	39 400
10.0	76.6	37.8	31 500
11.0	75.0	37.5	25 500
12.0	73.4	37.2	20 800
14.0	70.1	36.5	13 800
16.0	66.7	35.7	8 900
18.0	63.2	34.7	5 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
39.6m (130 Ft.) BOOM			
6.7	82.5	41.5	67 100 *
7.0	82.1	41.5	64 200
8.0	80.6	41.3	50 800
9.0	79.1	41.1	39 900
10.0	77.7	40.9	31 900
11.0	76.2	40.7	25 900
12.0	74.7	40.4	21 200
14.0	71.6	39.8	14 200
16.0	68.6	39.0	9 300
18.0	65.4	38.1	5 700
42.7m (140 Ft.) BOOM			
7.3	82.2	44.5	59 800 *
8.0	81.3	44.4	51 400
9.0	79.9	44.2	40 300
10.0	78.6	44.0	32 300
11.0	77.2	43.8	26 200
12.0	75.8	43.6	21 500
14.0	73.0	43.0	14 400
16.0	70.2	42.3	9 500
18.0	67.3	41.5	5 900

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

777 SERIES 1

Boom No. 78, Luffing Jib No. 139

47 630 kg Counterweight

360 Degree Rating

48.8m (160 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
21.3m (70 Ft.) BOOM			
4.3	82.7	23.4	117 300 *
4.5	82.0	23.4	110 400 *
5.0	80.7	23.3	97 400 *
5.5	79.3	23.2	86 700 *
6.0	77.9	23.1	77 600 *
7.0	75.2	22.8	59 600
8.0	72.3	22.5	43 800
9.0	69.5	22.1	33 300
10.0	66.6	21.7	25 600
11.0	63.6	21.2	19 800
12.0	60.5	20.6	15 300
14.0	54.0	19.3	8 500
24.4m (80 Ft.) BOOM			
4.6	82.9	26.4	108 500 *
5.0	81.9	26.4	98 400 *
5.5	80.7	26.3	87 600 *
6.0	79.5	26.2	78 600 *
7.0	77.1	26.0	61 500
8.0	74.6	25.7	45 500
9.0	72.2	25.4	34 800
10.0	69.6	25.0	27 100
11.0	67.1	24.6	21 300
12.0	64.5	24.1	16 600
14.0	59.1	23.0	9 900
27.4m (90 Ft.) BOOM			
4.9	83.0	29.5	100 600 *
5.0	82.8	29.5	98 300 *
5.5	81.7	29.4	88 300 *
6.0	80.6	29.3	79 200 *
7.0	78.5	29.1	62 800
8.0	76.4	28.9	46 600
9.0	74.2	28.6	35 900
10.0	72.0	28.3	28 200
11.0	69.8	27.9	22 300
12.0	67.5	27.5	17 700
14.0	62.9	26.5	10 900
16.0	58.0	25.3	6 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
5.5	82.6	32.5	85 400 *
6.0	81.6	32.4	79 800 *
7.0	79.7	32.2	64 000
8.0	77.8	32.0	47 600
9.0	75.8	31.7	36 900
10.0	73.9	31.5	29 100
11.0	71.9	31.1	23 200
12.0	69.9	30.8	18 500
14.0	65.8	29.9	11 600
16.0	61.6	28.9	6 800
33.5m (110 Ft.) BOOM			
5.8	82.7	35.5	81 200 *
6.0	82.4	35.5	79 300 *
7.0	80.6	35.3	64 300
8.0	78.9	35.1	48 100
9.0	77.1	34.9	37 400
10.0	75.4	34.6	29 600
11.0	73.6	34.3	23 700
12.0	71.8	34.0	19 000
14.0	68.1	33.2	12 100
16.0	64.4	32.3	7 300
36.6m (120 Ft.) BOOM			
6.1	82.9	38.5	73 700 *
7.0	81.4	38.4	65 300
8.0	79.8	38.2	48 800
9.0	78.2	38.0	38 000
10.0	76.6	37.8	30 200
11.0	75.0	37.5	24 300
12.0	73.4	37.2	19 600
14.0	70.1	36.5	12 700
16.0	66.7	35.7	7 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
39.6m (130 Ft.) BOOM			
6.7	82.5	41.5	66 400 *
7.0	82.1	41.5	63 000
8.0	80.6	41.3	49 400
9.0	79.1	41.1	38 500
10.0	77.7	40.9	30 700
11.0	76.2	40.7	24 700
12.0	74.7	40.4	20 000
14.0	71.6	39.8	13 100
16.0	68.6	39.0	8 200



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

777 SERIES 1

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

51.8m (170 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
21.3m (70 Ft.) BOOM			
4.3	82.7	23.4	115 400 *
4.5	82.0	23.4	108 600 *
5.0	80.7	23.3	95 600 *
5.5	79.3	23.2	84 900 *
6.0	77.9	23.1	75 900 *
7.0	75.2	22.8	57 500
8.0	72.3	22.5	42 000
9.0	69.5	22.1	31 600
10.0	66.6	21.7	24 100
11.0	63.6	21.2	18 400
12.0	60.5	20.6	13 800
24.4m (80 Ft.) BOOM			
4.6	82.9	26.4	107 500 *
5.0	81.9	26.4	96 600 *
5.5	80.7	26.3	86 000 *
6.0	79.5	26.2	77 000 *
7.0	77.1	26.0	59 600
8.0	74.6	25.7	43 800
9.0	72.2	25.4	33 300
10.0	69.6	25.0	25 700
11.0	67.1	24.6	19 900
12.0	64.5	24.1	15 300
14.0	59.1	23.0	8 600
27.4m (90 Ft.) BOOM			
4.9	83.0	29.5	99 800 *
5.0	82.8	29.5	97 200 *
5.5	81.7	29.4	86 600 *
6.0	80.6	29.3	77 700 *
7.0	78.5	29.1	61 000
8.0	76.4	28.9	45 000
9.0	74.2	28.6	34 500
10.0	72.0	28.3	26 800
11.0	69.8	27.9	21 000
12.0	67.5	27.5	16 400
14.0	62.9	26.5	9 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
5.5	82.6	32.5	84 600 *
6.0	81.6	32.4	78 600 *
7.0	79.7	32.2	62 300
8.0	77.8	32.0	46 100
9.0	75.8	31.7	35 500
10.0	73.9	31.5	27 800
11.0	71.9	31.1	21 900
12.0	69.9	30.8	17 300
14.0	65.8	29.9	10 500
33.5m (110 Ft.) BOOM			
5.8	82.7	35.5	80 500 *
6.0	82.4	35.5	78 100 *
7.0	80.6	35.3	62 800
8.0	78.9	35.1	46 600
9.0	77.1	34.9	36 000
10.0	75.4	34.6	28 300
11.0	73.6	34.3	22 500
12.0	71.8	34.0	17 900
14.0	68.1	33.2	11 100
16.0	64.4	32.3	6 300
36.6m (120 Ft.) BOOM			
6.1	82.9	38.5	73 200 *
7.0	81.4	38.4	63 900
8.0	79.8	38.2	47 400
9.0	78.2	38.0	36 700
10.0	76.6	37.8	29 000
11.0	75.0	37.5	23 100
12.0	73.4	37.2	18 500
14.0	70.1	36.5	11 700
16.0	66.7	35.7	6 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
39.6m (130 Ft.) BOOM			
6.7	82.5	41.5	65 800 *
7.0	82.1	41.5	62 000
8.0	80.6	41.3	48 000
9.0	79.1	41.1	37 300
10.0	77.7	40.9	29 500
11.0	76.2	40.7	23 600
12.0	74.7	40.4	19 000
14.0	71.6	39.8	12 100
16.0	68.6	39.0	7 300