

Liftcrane Boom Capacities

777 SERIES 2

Boom No. 78
64 410 kg Crane Counterweight
19 960 kg Carbody Counterweight
Rating Over Front of Blocked Crawlers
No Travel - Limited Swing

Meets
ANSI B30.5
Requirements

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

Upper boom point capacity for liftcrane service with single part whip line is 13 380 kg or 26 760 kg with two part whip line. When boom butt mounted auxiliary drum is used, capacity with single part whip line is 9 070 kg or 18 140 kg with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

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

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

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

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

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

MACHINE EQUIPMENT: Machine equipped with 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, 64 410 kg crane counterweight and two 9 980 kg carbody counterweights.

Deduct From Capacities When Jib Is Attached	
Jib Length	Jib No. 134
9.1m	1 770 kg
12.2m	2 130 kg
15.2m	2 540 kg
18.3m	2 990 kg
21.3m	3 450 kg
24.4m	3 950 kg

Upper Boom Point Deduct
Deduct 450 kg from boom capacities when upper boom point is attached.

Auxiliary Drum Deduct
Deduct 770 kg from boom capacities when boom butt is equipped with auxiliary drum.

Multi-Part Rope Guard Deduct
Deduct 230 kg from boom capacities when lower boom point is equipped with multi-part rope guard (No. A02744).

Wire Rope Guide Deduct (For Third Line)
Deduct 230 kg from boom capacities when boom top wire rope guide (No. 192312) for third line is attached.

Consult jib chart for jib capacities.

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Maximum Boom and Jib Lengths Lifted Unassisted Over Front of Blocked Crawlers	
Boom Length	Jib No. 134
(a) 82.3m	—
(a) 79.2m	—
76.2m	—
73.2m	9.1m
70.1m	18.3m
67.1m	24.4m
Load block, hook and weight ball on ground at start. (a) Upper boom point, multi-part rope guard (No. A02744) and boom top wire rope guide (No. 192312) for third line cannot be used on 79.2m and 82.3m booms. Auxiliary drum in boom butt and wire rope guide in 3.0m insert cannot be used on 82.3m boom.	

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

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
7.6m (25 Ft.) BOOM¹			
3.4	82.1	9.8	181 400 *
18.3m (60 Ft.) BOOM			
4.0	82.4	20.4	160 000 *
4.5	80.7	20.3	146 100 *
5.0	79.1	20.2	131 900 *
5.5	77.5	20.1	120 500 *
6.0	75.9	19.9	110 800 *
7.0	72.6	19.6	95 200 *
8.0	69.2	19.2	83 400 *
9.0	65.8	18.8	74 100 *
10.0	62.3	18.3	66 500 *
11.0	58.6	17.7	60 200 *
12.0	54.8	17.0	54 500 *
14.0	46.5	15.2	45 800 *
16.0	36.8	12.9	39 200 *
18.0	23.8	9.2	33 900 *
21.3m (70 Ft.) BOOM			
4.3	82.7	23.4	140 500 *
4.5	82.0	23.4	138 100 *
5.0	80.7	23.3	131 200 *
5.5	79.3	23.2	120 500 *
6.0	77.9	23.1	110 800 *
7.0	75.2	22.8	95 200 *
8.0	72.3	22.5	83 400 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
21.3m (70 Ft.) BOOM			
9.0	69.5	22.1	74 100 *
10.0	66.6	21.7	66 600 *
11.0	63.6	21.2	60 200 *
12.0	60.5	20.6	54 600 *
14.0	54.0	19.3	45 800 *
16.0	46.9	17.6	39 300 *
18.0	38.8	15.3	34 300 *
20.0	28.8	12.2	29 900 *
24.4m (80 Ft.) BOOM			
4.6	82.9	26.4	124 900 *
5.0	81.9	26.4	119 900 *
5.5	80.7	26.3	114 500 *
6.0	79.5	26.2	109 600 *
7.0	77.1	26.0	95 200 *
8.0	74.6	25.7	83 300 *
9.0	72.2	25.4	74 000 *
10.0	69.6	25.0	66 500 *
11.0	67.1	24.6	60 200 *
12.0	64.5	24.1	54 600 *
14.0	59.1	23.0	45 800 *
16.0	53.4	21.6	39 300 *
18.0	47.2	19.9	34 300 *
20.0	40.2	17.7	30 100 *
22.0	32.0	14.8	26 300 *
24.0	21.0	10.6	23 200 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
27.4m (90 Ft.) BOOM			
4.9	83.0	29.5	116 400 *
5.0	82.8	29.5	115 100 *
5.5	81.7	29.4	110 100 *
6.0	80.6	29.3	105 500 *
7.0	78.5	29.1	95 600 *
8.0	76.4	28.9	83 300 *
9.0	74.2	28.6	73 900 *
10.0	72.0	28.3	66 400 *
11.0	69.8	27.9	60 100 *
12.0	67.5	27.5	54 500 *
14.0	62.9	26.5	45 800 *
16.0	58.0	25.3	39 300 *
18.0	52.9	23.9	34 200 *
20.0	47.4	22.2	30 000 *
22.0	41.3	20.0	26 400 *
24.0	34.3	17.4	23 300 *
26.0	25.7	13.8	20 800 *

¹ Note: Requires additional rigging components.

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Requirements

Oper. Radius Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
5.5	82.6	32.5	100 400 *
6.0	81.6	32.4	96 300 *
7.0	79.7	32.2	89 000 *
8.0	77.8	32.0	82 500 *
9.0	75.8	31.7	73 900 *
10.0	73.9	31.5	66 300 *
11.0	71.9	31.1	60 000 *
12.0	69.9	30.8	54 400 *
14.0	65.8	29.9	45 600 *
16.0	61.6	28.9	38 800 *
18.0	57.2	27.7	33 500 *
20.0	52.5	26.2	29 300 *
22.0	47.5	24.5	26 000 *
24.0	42.1	22.4	23 200 *
26.0	36.0	19.8	20 800 *
28.0	28.8	16.6	18 700 *
30.0	19.3	11.9	16 800 *
33.5m (110 Ft.) BOOM			
5.8	82.7	35.5	95 700 *
6.0	82.4	35.5	94 000 *
7.0	80.6	35.3	86 600 *
8.0	78.9	35.1	80 000 *
9.0	77.1	34.9	72 200 *
10.0	75.4	34.6	65 100 *
11.0	73.6	34.3	59 400 *
12.0	71.8	34.0	54 300 *
14.0	68.1	33.2	45 000 *
16.0	64.4	32.3	38 200 *
18.0	60.5	31.3	32 900 *
20.0	56.4	30.0	28 900 *
22.0	52.2	28.5	25 500 *
24.0	47.7	26.8	22 800 *
26.0	42.8	24.7	20 500 *
28.0	37.4	22.3	18 500 *
30.0	31.2	19.3	16 800 *
32.0	23.5	15.3	15 300 *
36.6m (120 Ft.) BOOM			
6.1	82.9	38.5	87 100 *
7.0	81.4	38.4	81 500 *
8.0	79.8	38.2	76 000 *
9.0	78.2	38.0	70 100 *
10.0	76.6	37.8	63 200 *
11.0	75.0	37.5	57 600 *
12.0	73.4	37.2	53 000 *
14.0	70.1	36.5	44 700 *

Oper. Radius Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM			
16.0	66.7	35.7	37 800 *
18.0	63.2	34.7	32 600 *
20.0	59.6	33.6	28 500 *
22.0	55.8	32.3	25 200 *
24.0	51.9	30.8	22 500 *
26.0	47.8	29.1	20 200 *
28.0	43.3	27.1	18 200 *
30.0	38.5	24.7	16 600 *
32.0	33.0	21.8	15 100 *
34.0	26.6	18.2	13 800 *
39.6m (130 Ft.) BOOM			
6.7	82.5	41.5	79 800 *
7.0	82.1	41.5	78 100 *
8.0	80.6	41.3	72 600 *
9.0	79.1	41.1	67 800 *
10.0	77.7	40.9	61 500 *
11.0	76.2	40.7	56 100 *
12.0	74.7	40.4	51 500 *
14.0	71.6	39.8	44 300 *
16.0	68.6	39.0	37 400 *
18.0	65.4	38.1	32 200 *
20.0	62.2	37.1	28 100 *
22.0	58.8	36.0	24 800 *
24.0	55.3	34.6	22 100 *
26.0	51.7	33.1	19 900 *
28.0	47.9	31.4	17 900 *
30.0	43.8	29.4	16 200 *
32.0	39.4	27.1	14 800 *
34.0	34.5	24.3	13 500 *
36.0	28.9	21.0	12 400 *
38.0	21.9	16.7	11 300 *
42.7m (140 Ft.) BOOM			
7.3	82.2	44.5	71 600 *
8.0	81.3	44.4	68 500 *
9.0	79.9	44.2	64 300 *
10.0	78.6	44.0	60 100 *
11.0	77.2	43.8	54 500 *
12.0	75.8	43.6	50 100 *
14.0	73.0	43.0	43 100 *
16.0	70.2	42.3	37 000 *
18.0	67.3	41.5	31 800 *
20.0	64.3	40.6	27 700 *

Oper. Radius Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
22.0	61.3	39.5	24 500 *
24.0	58.1	38.3	21 800 *
26.0	54.9	36.9	19 500 *
28.0	51.5	35.4	17 600 *
30.0	48.0	33.7	15 900 *
32.0	44.2	31.7	14 500 *
34.0	40.1	29.4	13 200 *
36.0	35.7	26.8	12 000 *
38.0	30.7	23.7	11 000 *
40.0	24.8	19.8	10 100 *
45.7m (150 Ft.) BOOM			
7.3	82.8	47.6	69 100 *
8.0	81.9	47.5	66 000 *
9.0	80.6	47.3	61 800 *
10.0	79.3	47.2	57 900 *
11.0	78.1	46.9	53 000 *
12.0	76.8	46.7	48 700 *
14.0	74.2	46.2	41 900 *
16.0	71.5	45.5	36 500 *
18.0	68.9	44.8	31 400 *
20.0	66.1	43.9	27 400 *
22.0	63.4	43.0	24 100 *
24.0	60.5	41.9	21 400 *
26.0	57.6	40.6	19 200 *
28.0	54.5	39.3	17 300 *
30.0	51.3	37.7	15 600 *
32.0	48.0	36.0	14 200 *
34.0	44.5	34.0	12 900 *
36.0	40.8	31.8	11 800 *
38.0	36.7	29.3	10 700 *
40.0	32.2	26.3	9 900 *
42.0	27.1	22.7	9 000 *
44.0	20.7	18.0	8 300 *



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**Meets
ANSI B30.5
Requirements**

Oper. Radius Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
7.9	82.5	50.6	63 000 *
8.0	82.4	50.6	62 700 *
9.0	81.2	50.4	58 600 *
10.0	80.0	50.3	54 900 *
11.0	78.8	50.1	51 600 *
12.0	77.6	49.8	47 500 *
14.0	75.2	49.3	40 800 *
16.0	72.7	48.7	35 800 *
18.0	70.3	48.0	31 300 *
20.0	67.7	47.3	27 200 *
22.0	65.1	46.4	23 900 *
24.0	62.5	45.4	21 200 *
26.0	59.8	44.2	19 000 *
28.0	57.0	43.0	17 100 *
30.0	54.2	41.6	15 400 *
32.0	51.2	40.0	14 000 *
34.0	48.1	38.3	12 700 *
36.0	44.8	36.3	11 600 *
38.0	41.3	34.2	10 600 *
40.0	37.6	31.7	9 700 *
42.0	33.5	28.8	8 900 *
44.0	28.9	25.4	8 100 *
46.0	23.4	21.3	7 400 *
51.8m (170 Ft.) BOOM			
7.9	82.9	53.7	60 500 *
8.0	82.8	53.7	60 200 *
9.0	81.7	53.5	56 300 *
10.0	80.6	53.4	52 600 *
11.0	79.5	53.2	49 400 *
12.0	78.4	53.0	46 200 *
14.0	76.1	52.5	39 700 *
16.0	73.8	51.9	34 800 *
18.0	71.5	51.3	30 800 *
20.0	69.1	50.5	26 900 *
22.0	66.7	49.7	23 600 *
24.0	64.3	48.8	20 900 *
26.0	61.8	47.7	18 700 *
28.0	59.2	46.6	16 800 *
30.0	56.6	45.3	15 100 *
32.0	53.9	43.9	13 700 *
34.0	51.1	42.3	12 400 *
36.0	48.1	40.6	11 300 *
38.0	45.1	38.7	10 300 *
40.0	41.8	36.5	9 400 *
42.0	38.4	34.1	8 600 *
44.0	34.6	31.3	7 900 *
46.0	30.4	28.1	7 200 *
48.0	25.6	24.3	6 600 *
50.0	19.7	19.4	6 000 *

Oper. Radius Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
8.5	82.7	56.7	55 300 *
9.0	82.2	56.6	53 700 *
10.0	81.1	56.4	50 400 *
11.0	80.1	56.3	47 400 *
12.0	79.0	56.1	44 400 *
14.0	76.9	55.6	38 700 *
16.0	74.7	55.1	33 900 *
18.0	72.5	54.5	30 100 *
20.0	70.3	53.8	26 600 *
22.0	68.1	53.0	23 300 *
24.0	65.8	52.2	20 600 *
26.0	63.5	51.2	18 400 *
28.0	61.1	50.1	16 500 *
30.0	58.7	48.9	14 800 *
32.0	56.2	47.6	13 400 *
34.0	53.6	46.2	12 100 *
36.0	51.0	44.6	11 000 *
38.0	48.2	42.9	10 000 *
40.0	45.3	41.0	9 100 *
42.0	42.3	38.8	8 300 *
44.0	39.0	36.5	7 600 *
46.0	35.5	33.8	6 900 *
48.0	31.7	30.7	6 300 *
50.0	27.4	27.1	5 700 *
52.0	22.3	22.7	5 200 *
57.9m (190 Ft.) BOOM			
9.1	82.5	59.7	52 800 *
10.0	81.6	59.5	50 700 *
11.0	80.6	59.4	48 200 *
12.0	79.6	59.2	44 200 *
14.0	77.6	58.8	37 800 *
16.0	75.5	58.3	33 000 *
18.0	73.5	57.7	29 200 *
20.0	71.4	57.0	26 100 *
22.0	69.3	56.3	23 000 *
24.0	67.1	55.5	20 300 *
26.0	65.0	54.6	18 000 *
28.0	62.8	53.6	16 100 *
30.0	60.5	52.5	14 500 *
32.0	58.2	51.3	13 000 *
34.0	55.8	49.9	11 800 *
36.0	53.4	48.5	10 600 *

Oper. Radius Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) BOOM			
38.0	50.9	46.9	9 700 *
40.0	48.2	45.2	8 800 *
42.0	45.5	43.3	8 000 *
44.0	42.6	41.2	7 200 *
46.0	39.6	38.8	6 500 *
48.0	36.3	36.2	5 900 *
50.0	32.8	33.3	5 400 *
52.0	28.9	29.9	4 800 *
54.0	24.4	25.8	4 400 *
56.0	18.9	20.7	3 900 *
61.0m (200 Ft.) BOOM			
9.1	82.8	62.7	49 700 *
10.0	82.0	62.6	47 600 *
11.0	81.1	62.5	45 200 *
12.0	80.1	62.3	42 800 *
14.0	78.2	61.9	36 700 *
16.0	76.3	61.4	32 000 *
18.0	74.3	60.9	28 400 *
20.0	72.4	60.3	25 400 *
22.0	70.4	59.6	22 700 *
24.0	68.4	58.8	19 900 *
26.0	66.3	57.9	17 700 *
28.0	64.2	57.0	15 800 *
30.0	62.1	56.0	14 100 *
32.0	60.0	54.8	12 700 *
34.0	57.8	53.6	11 500 *
36.0	55.5	52.3	10 400 *
38.0	53.2	50.8	9 300 *
40.0	50.8	49.2	8 500 *
42.0	48.3	47.5	7 700 *
44.0	45.7	45.6	7 000 *
46.0	43.0	43.5	6 300 *
48.0	40.1	41.2	5 700 *
50.0	37.1	38.7	5 100 *
52.0	33.8	35.8	4 600 *
54.0	30.2	32.5	4 100 *
56.0	26.1	28.7	3 700 *
58.0	21.4	24.1	3 200 *

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Requirements

Oper. Radius Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
64.0m (210 Ft.) BOOM			
9.8	82.6	65.7	47 900 *
10.0	82.4	65.7	47 300 *
11.0	81.5	65.5	44 400 *
12.0	80.6	65.4	41 300 *
14.0	78.8	65.0	35 600 *
16.0	76.9	64.6	31 300 *
18.0	75.1	64.0	27 700 *
20.0	73.2	63.5	24 700 *
22.0	71.3	62.8	22 300 *
24.0	69.4	62.1	20 300 *
26.0	67.5	61.3	18 300 *
28.0	65.5	60.4	16 300 *
30.0	63.6	59.4	14 600 *
32.0	61.5	58.3	13 200 *
34.0	59.5	57.2	11 900 *
36.0	57.4	55.9	10 700 *
38.0	55.2	54.6	9 700 *
40.0	53.0	53.1	8 800 *
42.0	50.7	51.5	7 900 *
44.0	48.3	49.8	7 200 *
46.0	45.8	47.9	6 500 *
48.0	43.3	45.8	5 800 *
50.0	40.6	43.6	5 300 *
52.0	37.7	41.1	4 800 *
54.0	34.6	38.3	4 200 *
56.0	31.3	35.2	3 800 *
58.0	27.6	31.6	3 300 *
60.0	23.4	27.3	3 000 *
62.0	18.3	21.9	2 600 *
67.1m (220 Ft.) BOOM			
9.8	83.0	68.8	47 600 *
10.0	82.8	68.8	47 100 *
11.0	81.9	68.6	43 700 *
12.0	81.0	68.5	40 000 *
14.0	79.3	68.1	34 400 *
16.0	77.5	67.7	30 200 *
18.0	75.8	67.2	26 800 *
20.0	74.0	66.6	23 900 *
22.0	72.2	66.0	21 500 *
24.0	70.4	65.3	19 600 *
26.0	68.6	64.6	17 800 *
28.0	66.7	63.7	15 800 *
30.0	64.9	62.8	14 100 *
32.0	62.9	61.8	12 700 *
34.0	61.0	60.7	11 400 *
36.0	59.0	59.6	10 200 *
38.0	57.0	58.3	9 200 *
40.0	54.9	56.9	8 300 *
42.0	52.8	55.4	7 500 *
44.0	50.6	53.8	6 800 *

Oper. Radius Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
67.1m (220 Ft.) BOOM			
46.0	48.3	52.1	6 100 *
48.0	46.0	50.2	5 400 *
50.0	43.5	48.2	4 900 *
52.0	41.0	45.9	4 300 *
54.0	38.3	43.5	3 900 *
56.0	35.4	40.8	3 400 *
58.0	32.3	37.7	3 000 *
60.0	28.9	34.3	2 600 *
62.0	25.1	30.3	2 200 *
64.0	20.6	25.5	1 900 *
70.1m (230 Ft.) BOOM			
10.4	82.8	71.8	44 000 *
11.0	82.2	71.7	42 600 *
12.0	81.4	71.6	39 000 *
14.0	79.8	71.2	33 500 *
16.0	78.1	70.8	29 300 *
18.0	76.4	70.3	26 000 *
20.0	74.7	69.8	23 200 *
22.0	73.0	69.2	20 900 *
24.0	71.3	68.6	18 900 *
26.0	69.6	67.8	17 200 *
28.0	67.8	67.0	15 400 *
30.0	66.0	66.2	13 700 *
32.0	64.2	65.2	12 200 *
34.0	62.4	64.2	11 000 *
36.0	60.5	63.1	9 800 *
38.0	58.6	61.9	8 800 *
40.0	56.7	60.6	8 000 *
42.0	54.7	59.2	7 100 *
44.0	52.6	57.7	6 400 *
46.0	50.5	56.1	5 700 *
48.0	48.4	54.4	5 100 *
50.0	46.1	52.5	4 500 *
52.0	43.8	50.5	4 000 *
54.0	41.4	48.3	3 500 *
56.0	38.8	45.9	3 100 *
58.0	36.1	43.2	2 700 *
60.0	33.2	40.3	2 300 *
62.0	30.0	37.0	1 900 *
73.2m (240 Ft.) BOOM			
11.0	82.6	74.8	40 100 *
12.0	81.8	74.6	38 200 *
14.0	80.2	74.3	32 500 *
16.0	78.6	73.9	28 400 *
18.0	77.0	73.5	25 300 *
20.0	75.4	73.0	22 600 *
22.0	73.8	72.4	20 300 *
24.0	72.1	71.8	18 300 *
26.0	70.5	71.1	16 700 *
28.0	68.8	70.3	15 300 *

Oper. Radius Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
73.2m (240 Ft.) BOOM			
30.0	67.1	69.5	13 700 *
32.0	65.4	68.6	12 200 *
34.0	63.6	67.6	11 000 *
36.0	61.9	66.6	9 800 *
38.0	60.1	65.5	8 800 *
40.0	58.2	64.2	7 900 *
42.0	56.4	62.9	7 000 *
44.0	54.4	61.5	6 300 *
46.0	52.5	60.0	5 600 *
48.0	50.5	58.4	5 000 *
50.0	48.4	56.7	4 400 *
52.0	46.3	54.8	3 900 *
54.0	44.0	52.8	3 400 *
56.0	41.7	50.6	3 000 *
58.0	39.3	48.2	2 600 *
60.0	36.7	45.6	2 200 *
76.2m (250 Ft.) BOOM			
11.6	82.4	77.8	38 500 *
12.0	82.1	77.7	37 100 *
14.0	80.6	77.4	31 600 *
16.0	79.1	77.0	27 600 *
18.0	77.5	76.6	24 500 *
20.0	76.0	76.1	21 900 *
22.0	74.4	75.6	19 600 *
24.0	72.8	75.0	17 700 *
26.0	71.3	74.3	16 100 *
28.0	69.7	73.6	14 700 *
30.0	68.0	72.8	13 300 *
32.0	66.4	72.0	11 800 *
34.0	64.8	71.0	10 600 *
36.0	63.1	70.0	9 500 *
38.0	61.4	69.0	8 400 *
40.0	59.6	67.8	7 500 *
42.0	57.9	66.6	6 700 *
44.0	56.1	65.3	6 000 *
46.0	54.2	63.9	5 300 *
48.0	52.3	62.3	4 700 *
50.0	50.4	60.7	4 100 *
52.0	48.4	59.0	3 600 *
54.0	46.4	57.1	3 100 *
56.0	44.2	55.1	2 700 *
58.0	42.0	53.0	2 200 *

Liftcrane Boom Capacities

777 SERIES 2

Boom No. 78
64 410 kg Crane Counterweight
19 960 kg Carbody Counterweight
Rating Over Front of Blocked Crawlers
No Travel - Limited Swing

Meets ANSI B30.5 Requirements

Oper. Radius Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
79.2m (260 Ft.) BOOM			
12.2	82.3	80.8	35 000 *
14.0	81.0	80.5	30 500 *
16.0	79.5	80.1	26 500 *
18.0	78.0	79.7	23 500 *
20.0	76.5	79.3	21 100 *
22.0	75.0	78.7	18 900 *
24.0	73.5	78.2	17 000 *
26.0	72.0	77.5	15 400 *
28.0	70.5	76.8	14 100 *
30.0	68.9	76.1	12 800 *
32.0	67.4	75.3	11 500 *
34.0	65.8	74.4	10 200 *
36.0	64.2	73.4	9 100 *
38.0	62.6	72.4	8 100 *
40.0	60.9	71.3	7 200 *
42.0	59.3	70.2	6 400 *
44.0	57.5	68.9	5 600 *
46.0	55.8	67.6	4 900 *
48.0	54.0	66.2	4 400 *
50.0	52.2	64.6	3 800 *
52.0	50.4	63.0	3 300 *
54.0	48.4	61.3	2 800 *
56.0	46.5	59.4	2 300 *

Oper. Radius Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
82.3m (270 Ft.) BOOM			
13.7	81.5	83.6	30 200 *
14.0	81.3	83.6	29 600 *
16.0	79.9	83.2	25 600 *
18.0	78.5	82.8	22 700 *
20.0	77.0	82.4	20 300 *
22.0	75.6	81.9	18 200 *
24.0	74.2	81.3	16 400 *
26.0	72.7	80.7	14 900 *
28.0	71.2	80.1	13 500 *
30.0	69.8	79.4	12 300 *
32.0	68.3	78.6	11 200 *
34.0	66.7	77.7	9 900 *
36.0	65.2	76.8	8 800 *
38.0	63.7	75.9	7 800 *
40.0	62.1	74.8	6 900 *
42.0	60.5	73.7	6 100 *
44.0	58.9	72.5	5 300 *
46.0	57.2	71.3	4 700 *
48.0	55.6	69.9	4 000 *
50.0	53.9	68.5	3 500 *
52.0	52.1	67.0	2 900 *
54.0	50.3	65.3	2 500 *
56.0	48.5	63.6	2 000 *