

Liftcrane Boom Capacities

Boom No. 22E With Open Throat Top
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

999 SERIES 2

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 (*).

Upper boom point capacity for liftcrane service with single part whip line or combination of two single part lines is 13 380 kg. 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 gantry up. Refer to boom rigging **No. 196151** and Wire Rope Specification chart **No. 8391-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. 8392-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 8 585 mm crawlers, 1 219 mm treads, 3 124 mm retractable gantry, 9 144 mm live mast, 20 part boom hoist reeving, four 35 mm boom pendants, 83 730 kg crane counterweight and two 9 980 kg carbody counterweights.

Boom Catwalks Deduct

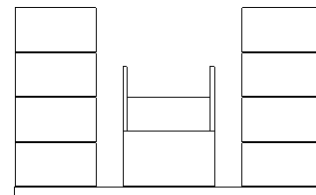
Deduct 300 kg from capacities when boom catwalks are attached.

Auxiliary Drum Deduct

Deduct 1 810 kg from boom capacities when boom butt is equipped with auxiliary drum.

Deduct From Capacities When Jib Is Attached

Jib Length	Jib No. 123
9.1m	1 130 kg
12.2m	1 410 kg
15.2m	1 680 kg
18.3m	2 000 kg



83 730 kg Crane Counterweight
8 Side Boxes - 1 Center Box

Consult jib chart for jib capacities.
Upper boom point cannot be used when jib is attached.



Liftcrane Boom Capacities

Boom No. 22E With Open Throat Top
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

999 SERIES 2

Maximum Boom And Jib Lengths Lifted Unassisted Without Auxiliary Drum In Boom Butt			
Over End Of Blocked Crawlers		Over Side Of Crawlers	
Boom Length	Jib No. 123	Boom Length	Jib No. 123
(a) 88.4m	—	(a) 79.2m	—
85.3m	—	76.2m	—
(b) 82.3m	9.1m	73.2m	15.2m
79.2m	18.3m	70.1m	18.3m
Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be used on 88.4m boom or over side of crawlers on 79.2m boom. (b) When boom catwalks are attached, machine must be equipped with optional lowerworks jacking cylinders.			

Maximum Boom and Jib Lengths Lifted Unassisted With Auxiliary Drum In Boom Butt			
Over End Of Blocked Crawlers		Over Side Of Crawlers	
Boom Length	Jib No. 123	Boom Length	Jib No. 123
(a) 85.3m	—	76.2m	—
82.3m	—	73.2m	12.2m
79.2m	12.2m	70.1m	18.3m
(b) 79.2m	15.2m		
76.2m	18.3m		
Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be used on 85.3m boom. (b) When boom catwalks are attached, 15.2m jib on 79.2m boom cannot be raised.			



Liftcrane Boom Capacities

Boom No. 22E With Open Throat Top
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Meets
ANSI B30.5
Requirements**

999 SERIES 2

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
21.3m (70 Ft.) BOOM			
4.6	81.8	23.6	208 600 *
5.0	80.6	23.5	192 600 *
5.5	79.3	23.4	176 100 *
6.0	77.9	23.3	162 200 *
7.0	75.1	23.1	139 900 *
8.0	72.3	22.8	122 800 *
9.0	69.5	22.4	109 200 *
10.0	66.6	22.0	95 500
11.0	63.6	21.6	82 700
12.0	60.6	21.0	72 800
13.0	57.5	20.4	65 000
14.0	54.2	19.8	58 500
15.0	50.8	19.0	53 200
16.0	47.3	18.1	48 600
18.0	39.4	16.0	41 400
20.0	30.0	13.1	35 900
24.4m (80 Ft.) BOOM			
5.2	81.4	26.6	186 000 *
5.5	80.6	26.5	175 800 *
6.0	79.4	26.4	161 900 *
7.0	77.0	26.2	139 600 *
8.0	74.6	26.0	122 500 *
9.0	72.1	25.7	108 900 *
10.0	69.7	25.3	95 600
11.0	67.1	24.9	82 700
12.0	64.6	24.5	72 800
13.0	61.9	24.0	64 900
14.0	59.2	23.4	58 500
15.0	56.5	22.8	53 100
16.0	53.6	22.1	48 600
18.0	47.5	20.4	41 300
20.0	40.7	18.4	35 800
22.0	32.9	15.7	31 400
24.0	22.8	11.9	27 800
27.4m (90 Ft.) BOOM			
5.5	81.7	29.6	171 400 *
6.0	80.6	29.5	162 100 *
7.0	78.5	29.3	139 300 *
8.0	76.3	29.1	122 200 *
9.0	74.2	28.9	108 600 *
10.0	72.0	28.5	95 500
11.0	69.8	28.2	82 600
12.0	67.5	27.8	72 700
13.0	65.3	27.4	64 900
14.0	62.9	26.9	58 400
15.0	60.6	26.4	53 000
16.0	58.1	25.8	48 500
18.0	53.1	24.4	41 200
20.0	47.7	22.7	35 700
22.0	41.7	20.7	31 300
24.0	35.0	18.2	27 700
26.0	26.8	14.8	24 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
5.8	82.0	32.6	165 100 *
6.0	81.6	32.6	160 900 *
7.0	79.7	32.4	139 000 *
8.0	77.7	32.2	121 900 *
9.0	75.8	32.0	108 400 *
10.0	73.9	31.7	95 600
11.0	71.9	31.4	82 600
12.0	69.9	31.1	72 700
13.0	67.9	30.7	64 800
14.0	65.8	30.3	58 400
15.0	63.8	29.8	53 000
16.0	61.6	29.3	48 400
18.0	57.3	28.1	41 200
20.0	52.7	26.7	35 600
22.0	47.8	25.0	31 200
24.0	42.5	23.0	27 600
26.0	36.6	20.6	24 700
28.0	29.7	17.6	22 200
30.0	20.9	13.3	20 000
33.5m (110 Ft.) BOOM			
6.7	81.1	35.6	142 600 *
7.0	80.6	35.5	137 800 *
8.0	78.9	35.4	121 600 *
9.0	77.1	35.1	108 000 *
10.0	75.4	34.9	95 600
11.0	73.6	34.6	82 500
12.0	71.8	34.3	72 600
13.0	70.0	34.0	64 700
14.0	68.2	33.6	58 200
15.0	66.3	33.2	52 900
16.0	64.4	32.7	48 300
18.0	60.6	31.7	41 000
20.0	56.6	30.4	35 400
22.0	52.4	29.0	31 000
24.0	47.9	27.3	27 400
26.0	43.1	25.4	24 500
28.0	37.8	23.0	22 000
30.0	31.9	20.2	19 900
32.0	24.6	16.4	18 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM			
6.7	81.9	38.7	138 700 *
7.0	81.4	38.6	135 700 *
8.0	79.8	38.5	121 300 *
9.0	78.2	38.3	107 700 *
10.0	76.6	38.0	95 500
11.0	75.0	37.8	82 400
12.0	73.4	37.5	72 500
13.0	71.7	37.2	64 600
14.0	70.1	36.8	58 100
15.0	68.4	36.5	52 700
16.0	66.7	36.0	48 200
18.0	63.2	35.1	40 800
20.0	59.7	34.0	35 300
22.0	56.0	32.8	30 900
24.0	52.1	31.3	27 300
26.0	48.0	29.6	24 400
28.0	43.6	27.7	21 900
30.0	38.9	25.4	19 800
32.0	33.6	22.7	17 900
34.0	27.4	19.3	16 300
36.0	19.5	14.7	14 900
39.6m (130 Ft.) BOOM			
7.3	81.6	41.7	125 700 *
8.0	80.6	41.6	121 400 *
9.0	79.1	41.4	107 600 *
10.0	77.6	41.2	95 600
11.0	76.2	40.9	82 400
12.0	74.7	40.7	72 500
13.0	73.2	40.4	64 500
14.0	71.6	40.1	58 100
15.0	70.1	39.7	52 700
16.0	68.6	39.3	48 100
18.0	65.4	38.5	40 800
20.0	62.2	37.5	35 300
22.0	58.9	36.4	30 800
24.0	55.4	35.1	27 300
26.0	51.9	33.6	24 300
28.0	48.1	31.9	21 800
30.0	44.1	30.0	19 700
32.0	39.7	27.8	17 900
34.0	35.0	25.2	16 300
36.0	29.5	22.0	14 900
38.0	23.0	17.9	13 600



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

Boom No. 22E With Open Throat Top
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

999 SERIES 2

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
7.9	81.4	44.6	118 000 *
8.0	81.3	44.6	117 400 *
9.0	79.9	44.5	107 600 *
10.0	78.5	44.3	95 400
11.0	77.2	44.1	82 200
12.0	75.8	43.8	72 300
13.0	74.4	43.6	64 400
14.0	73.0	43.3	57 900
15.0	71.6	42.9	52 500
16.0	70.2	42.6	48 000
18.0	67.3	41.8	40 700
20.0	64.3	40.9	35 100
22.0	61.3	39.9	30 700
24.0	58.2	38.7	27 100
26.0	55.0	37.4	24 200
28.0	51.7	35.9	21 700
30.0	48.1	34.2	19 600
32.0	44.4	32.3	17 700
34.0	40.4	30.1	16 200
36.0	36.1	27.6	14 800
38.0	31.3	24.6	13 500
40.0	25.6	20.9	12 400
42.0	18.5	16.0	11 400
45.7m (150 Ft.) BOOM			
7.9	82.0	47.7	109 000 *
8.0	81.9	47.7	108 800 *
9.0	80.6	47.6	105 100 *
10.0	79.3	47.4	95 300
11.0	78.0	47.2	82 200
12.0	76.8	47.0	72 200
13.0	75.5	46.7	64 300
14.0	74.2	46.4	57 800
15.0	72.9	46.1	52 400
16.0	71.5	45.8	47 800
18.0	68.9	45.1	40 500
20.0	66.2	44.3	34 900
22.0	63.4	43.3	30 500
24.0	60.6	42.3	26 900
26.0	57.6	41.1	24 000
28.0	54.6	39.7	21 500
30.0	51.5	38.2	19 400
32.0	48.2	36.5	17 500
34.0	44.7	34.6	15 900
36.0	41.1	32.5	14 500
38.0	37.1	30.0	13 300
40.0	32.7	27.2	12 200
42.0	27.7	23.7	11 100
44.0	21.7	19.4	10 200

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
8.5	81.7	50.7	102 000 *
9.0	81.2	50.7	100 400 *
10.0	80.0	50.5	95 400
11.0	78.8	50.3	82 000
12.0	77.6	50.1	72 000
13.0	76.4	49.9	64 100
14.0	75.2	49.6	57 600
15.0	74.0	49.3	52 200
16.0	72.7	49.0	47 600
18.0	70.3	48.4	40 300
20.0	67.7	47.6	34 700
22.0	65.2	46.7	30 300
24.0	62.6	45.7	26 700
26.0	59.9	44.6	23 800
28.0	57.1	43.4	21 300
30.0	54.3	42.1	19 200
32.0	51.3	40.5	17 300
34.0	48.2	38.8	15 700
36.0	45.0	37.0	14 400
38.0	41.6	34.8	13 100
40.0	37.9	32.4	12 000
42.0	33.9	29.7	11 000
44.0	29.4	26.4	10 100
46.0	24.2	22.5	9 300
51.8m (170 Ft.) BOOM			
9.1	81.5	53.7	94 400 *
10.0	80.6	53.6	91 600
11.0	79.5	53.4	81 900
12.0	78.3	53.2	71 900
13.0	77.2	53.0	64 000
14.0	76.1	52.8	57 500
15.0	74.9	52.5	52 100
16.0	73.8	52.2	47 500
18.0	71.5	51.6	40 200
20.0	69.1	50.9	34 600
22.0	66.7	50.1	30 100
24.0	64.3	49.1	26 600
26.0	61.8	48.1	23 600
28.0	59.3	47.0	21 100
30.0	56.7	45.7	19 000
32.0	54.0	44.4	17 200
34.0	51.2	42.8	15 600
36.0	48.3	41.1	14 200
38.0	45.3	39.3	13 000
40.0	42.1	37.2	11 900
42.0	38.6	34.8	10 900
44.0	34.9	32.1	10 000
46.0	30.9	29.0	9 100
48.0	26.2	25.4	8 400
50.0	20.7	20.8	7 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.1	82.0	56.8	89 600 *
10.0	81.1	56.7	87 400 *
11.0	80.1	56.5	81 800
12.0	79.0	56.3	71 800
13.0	77.9	56.1	63 800
14.0	76.9	55.9	57 300
15.0	75.8	55.6	51 900
16.0	74.7	55.4	47 300
18.0	72.5	54.8	40 000
20.0	70.3	54.1	34 400
22.0	68.1	53.4	30 000
24.0	65.8	52.5	26 400
26.0	63.5	51.6	23 500
28.0	61.1	50.5	21 000
30.0	58.7	49.4	18 900
32.0	56.3	48.1	17 000
34.0	53.7	46.7	15 400
36.0	51.1	45.1	14 000
38.0	48.3	43.4	12 800
40.0	45.5	41.6	11 700
42.0	42.5	39.5	10 700
44.0	39.3	37.2	9 800
46.0	35.8	34.6	9 000
48.0	32.1	31.6	8 200
50.0	27.9	28.2	7 500
52.0	23.1	24.0	6 900



Liftcrane Boom Capacities

Boom No. 22E With Open Throat Top
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

999 SERIES 2

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) BOOM			
9.8	81.8	59.8	82 100 *
10.0	81.6	59.7	81 500 *
11.0	80.6	59.6	79 300
12.0	79.6	59.4	71 900
13.0	78.6	59.2	63 700
14.0	77.6	59.0	57 200
15.0	76.5	58.8	51 700
16.0	75.5	58.5	47 100
18.0	73.5	58.0	39 800
20.0	71.4	57.3	34 200
22.0	69.3	56.6	29 800
24.0	67.2	55.8	26 200
26.0	65.0	54.9	23 200
28.0	62.8	54.0	20 700
30.0	60.5	52.9	18 600
32.0	58.2	51.7	16 800
34.0	55.9	50.4	15 200
36.0	53.5	49.0	13 800
38.0	51.0	47.4	12 600
40.0	48.4	45.7	11 500
42.0	45.7	43.9	10 500
44.0	42.8	41.8	9 600
46.0	39.8	39.5	8 700
48.0	36.6	37.0	8 000
50.0	33.2	34.1	7 300
52.0	29.4	30.8	6 700
54.0	25.0	27.0	6 100
56.0	19.8	22.1	5 500
61.0m (200 Ft.) BOOM			
10.4	81.7	62.8	76 200 *
11.0	81.1	62.7	74 900 *
12.0	80.1	62.5	71 400
13.0	79.1	62.3	63 500
14.0	78.2	62.1	57 000
15.0	77.2	61.9	51 500
16.0	76.3	61.7	47 000
18.0	74.3	61.2	39 600
20.0	72.4	60.6	34 000
22.0	70.4	59.9	29 600
24.0	68.4	59.1	26 000
26.0	66.3	58.3	23 000
28.0	64.3	57.4	20 600
30.0	62.2	56.4	18 400
32.0	60.0	55.3	16 600
34.0	57.8	54.0	15 000
36.0	55.6	52.7	13 600
38.0	53.2	51.3	12 300
40.0	50.9	49.7	11 300
42.0	48.4	48.0	10 200

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
61.0m (200 Ft.) BOOM			
44.0	45.8	46.2	9 300
46.0	43.1	44.1	8 600
48.0	40.3	41.9	7 800
50.0	37.3	39.4	7 100
52.0	34.1	36.6	6 500
54.0	30.6	33.5	5 900
56.0	26.7	29.8	5 400
58.0	22.1	25.4	4 800
64.0m (210 Ft.) BOOM			
11.0	81.5	65.8	71 200 *
12.0	80.6	65.6	69 500 *
13.0	79.7	65.4	63 400
14.0	78.8	65.2	56 800
15.0	77.8	65.0	51 400
16.0	76.9	64.8	46 800
18.0	75.1	64.3	39 400
20.0	73.2	63.7	33 900
22.0	71.3	63.1	29 400
24.0	69.4	62.4	25 800
26.0	67.5	61.6	22 900
28.0	65.6	60.7	20 400
30.0	63.6	59.8	18 300
32.0	61.6	58.7	16 400
34.0	59.5	57.6	14 800
36.0	57.4	56.4	13 400
38.0	55.3	55.1	12 200
40.0	53.1	53.6	11 100
42.0	50.8	52.0	10 100
44.0	48.4	50.3	9 200
46.0	46.0	48.5	8 400
48.0	43.4	46.5	7 700
50.0	40.8	44.3	6 900
52.0	37.9	41.8	6 300
54.0	34.9	39.1	5 800
56.0	31.7	36.1	5 200
58.0	28.1	32.6	4 700
60.0	24.0	28.5	4 200
62.0	19.1	23.4	3 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
67.1m (220 Ft.) BOOM			
11.0	81.9	68.8	67 400 *
12.0	81.0	68.7	65 800 *
13.0	80.1	68.5	63 600
14.0	79.3	68.3	56 600
15.0	78.4	68.1	51 200
16.0	77.5	67.9	46 600
18.0	75.8	67.5	39 200
20.0	74.0	66.9	33 600
22.0	72.2	66.3	29 200
24.0	70.4	65.6	25 600
26.0	68.6	64.9	22 700
28.0	66.7	64.1	20 200
30.0	64.9	63.2	18 100
32.0	63.0	62.2	16 200
34.0	61.0	61.1	14 600
36.0	59.1	60.0	13 200
38.0	57.0	58.7	12 000
40.0	55.0	57.4	10 900
42.0	52.9	55.9	9 900
44.0	50.7	54.3	9 000
46.0	48.5	52.6	8 200
48.0	46.1	50.8	7 400
50.0	43.7	48.8	6 800
52.0	41.2	46.6	6 100
54.0	38.5	44.2	5 500
56.0	35.7	41.6	5 000
58.0	32.6	38.6	4 500
60.0	29.3	35.3	4 000
62.0	25.6	31.4	3 600
64.0	21.3	26.8	3 200



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

Boom No. 22E With Open Throat Top
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

999 SERIES 2

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
70.1m (230 Ft.) BOOM			
11.6	81.8	71.8	61 200 *
12.0	81.4	71.8	60 900 *
13.0	80.6	71.6	59 700 *
14.0	79.7	71.4	56 500
15.0	78.9	71.3	51 100
16.0	78.1	71.1	46 400
18.0	76.4	70.6	39 100
20.0	74.7	70.1	33 400
22.0	73.0	69.5	29 000
24.0	71.3	68.9	25 400
26.0	69.6	68.2	22 500
28.0	67.8	67.4	20 000
30.0	66.0	66.5	17 800
32.0	64.2	65.6	16 000
34.0	62.4	64.6	14 400
36.0	60.5	63.5	13 000
38.0	58.6	62.3	11 800
40.0	56.7	61.1	10 600
42.0	54.7	59.7	9 700
44.0	52.7	58.2	8 700
46.0	50.6	56.6	8 000
48.0	48.5	54.9	7 200
50.0	46.3	53.1	6 500
52.0	43.9	51.1	5 900
54.0	41.5	48.9	5 300
56.0	39.0	46.6	4 800
58.0	36.3	44.0	4 300
60.0	33.5	41.1	3 800
62.0	30.4	37.9	3 400
64.0	27.0	34.3	2 900
66.0	23.1	30.0	2 600
68.0	18.5	24.7	2 200

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
73.2m (240 Ft.) BOOM			
12.2	81.6	74.8	55 500 *
13.0	81.0	74.7	55 300 *
14.0	80.2	74.5	55 000 *
15.0	79.4	74.4	51 000
16.0	78.6	74.2	46 300
18.0	77.0	73.7	38 900
20.0	75.4	73.2	33 300
22.0	73.7	72.7	28 800
24.0	72.1	72.1	25 200
26.0	70.5	71.4	22 300
28.0	68.8	70.7	19 800
30.0	67.1	69.8	17 700
32.0	65.4	69.0	15 800
34.0	63.6	68.0	14 200
36.0	61.9	67.0	12 800
38.0	60.1	65.9	11 600
40.0	58.3	64.7	10 500
42.0	56.4	63.4	9 500
44.0	54.5	62.0	8 600
46.0	52.6	60.5	7 700
48.0	50.6	59.0	7 000
50.0	48.5	57.2	6 300
52.0	46.4	55.4	5 700
54.0	44.2	53.4	5 100
56.0	41.9	51.3	4 600
58.0	39.5	49.0	4 100
60.0	36.9	46.4	3 600
62.0	34.2	43.6	3 200
64.0	31.3	40.5	2 800
66.0	28.2	37.0	2 400
68.0	24.7	33.0	2 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
76.2m (250 Ft.) BOOM			
12.2	82.0	77.9	50 300 *
13.0	81.3	77.8	50 000 *
14.0	80.6	77.6	49 800 *
15.0	79.8	77.5	49 500 *
16.0	79.0	77.3	47 300
18.0	77.5	76.9	38 800
20.0	76.0	76.4	33 100
22.0	74.4	75.9	28 600
24.0	72.8	75.3	25 100
26.0	71.3	74.6	22 100
28.0	69.7	73.9	19 600
30.0	68.1	73.1	17 500
32.0	66.4	72.3	15 600
34.0	64.8	71.4	14 100
36.0	63.1	70.4	12 600
38.0	61.4	69.4	11 400
40.0	59.7	68.2	10 300
42.0	57.9	67.0	9 300
44.0	56.1	65.7	8 400
46.0	54.3	64.3	7 600
48.0	52.4	62.8	6 800
50.0	50.5	61.3	6 200
52.0	48.5	59.5	5 500
54.0	46.5	57.7	4 900
56.0	44.4	55.7	4 400
58.0	42.2	53.6	3 900
60.0	39.9	51.3	3 400
62.0	37.5	48.8	3 000
64.0	34.9	46.1	2 600
66.0	32.2	43.1	2 200
68.0	29.3	39.7	1 900



Liftcrane Boom Capacities

Boom No. 22E With Open Throat Top
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Meets
ANSI B30.5
Requirements**

999 SERIES 2

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
79.2m (260 Ft.) BOOM			
12.8	81.8	80.9	45 800 *
13.0	81.7	80.9	45 700 *
14.0	80.9	80.7	45 400 *
15.0	80.2	80.6	45 200 *
16.0	79.5	80.4	44 300
18.0	78.0	80.0	38 900
20.0	76.5	79.5	32 900
22.0	75.0	79.0	28 500
24.0	73.5	78.5	24 900
26.0	72.0	77.8	21 900
28.0	70.5	77.2	19 400
30.0	68.9	76.4	17 300
32.0	67.4	75.6	15 400
34.0	65.8	74.7	13 800
36.0	64.2	73.8	12 400
38.0	62.6	72.8	11 200
40.0	61.0	71.7	10 100
42.0	59.3	70.6	9 100
44.0	57.6	69.4	8 200
46.0	55.9	68.1	7 400
48.0	54.1	66.6	6 600
50.0	52.3	65.2	5 900
52.0	50.4	63.6	5 300
54.0	48.5	61.8	4 700
56.0	46.6	60.0	4 200
58.0	44.5	58.1	3 700
60.0	42.4	55.9	3 200
62.0	40.3	53.7	2 800
64.0	38.0	51.2	2 400
66.0	35.6	48.5	2 000
82.3m (270 Ft.) BOOM			
13.4	81.7	83.9	41 600 *
14.0	81.3	83.8	41 500 *
15.0	80.6	83.6	41 200 *
16.0	79.9	83.5	40 900 *
18.0	78.5	83.1	38 300
20.0	77.0	82.7	32 700
22.0	75.6	82.2	28 300
24.0	74.2	81.6	24 600
26.0	72.7	81.0	21 700
28.0	71.2	80.4	19 200
30.0	69.8	79.7	17 000
32.0	68.3	78.9	15 200
34.0	66.8	78.1	13 600
36.0	65.2	77.2	12 200
38.0	63.7	76.2	10 900
40.0	62.1	75.2	9 800
42.0	60.5	74.1	8 800
44.0	58.9	72.9	7 900
46.0	57.3	71.7	7 100
48.0	55.6	70.4	6 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
82.3m (270 Ft.) BOOM			
50.0	53.9	69.0	5 700
52.0	52.2	67.5	5 100
54.0	50.4	65.9	4 500
56.0	48.6	64.1	4 000
58.0	46.7	62.3	3 500
60.0	44.7	60.4	3 000
62.0	42.7	58.3	2 500
64.0	40.6	56.0	2 100
85.3m (280 Ft.) BOOM			
13.4	82.0	87.0	37 700 *
14.0	81.6	86.9	37 600 *
15.0	80.9	86.7	37 300 *
16.0	80.2	86.6	37 100 *
18.0	78.9	86.2	36 500 *
20.0	77.5	85.8	32 500
22.0	76.1	85.3	28 000
24.0	74.7	84.8	24 400
26.0	73.3	84.2	21 500
28.0	71.9	83.6	19 000
30.0	70.5	82.9	16 800
32.0	69.1	82.2	15 000
34.0	67.6	81.4	13 400
36.0	66.2	80.5	12 000
38.0	64.7	79.6	10 700
40.0	63.2	78.6	9 600
42.0	61.7	77.6	8 600
44.0	60.2	76.5	7 700
46.0	58.6	75.3	6 900
48.0	57.0	74.0	6 200
50.0	55.4	72.7	5 500
52.0	53.7	71.3	4 800
54.0	52.1	69.8	4 300
56.0	50.3	68.2	3 700
58.0	48.6	66.4	3 200
60.0	46.8	64.6	2 800
62.0	44.9	62.7	2 300
64.0	42.9	60.6	1 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
88.4m (290 Ft.) BOOM			
14.0	81.9	90.0	34 400 *
15.0	81.2	89.8	34 200 *
16.0	80.6	89.7	33 900 *
18.0	79.3	89.3	33 400 *
20.0	77.9	88.9	32 500
22.0	76.6	88.4	27 900
24.0	75.3	87.9	24 200
26.0	73.9	87.4	21 300
28.0	72.6	86.8	18 800
30.0	71.2	86.1	16 700
32.0	69.8	85.4	14 800
34.0	68.4	84.7	13 200
36.0	67.0	83.9	11 800
38.0	65.6	83.0	10 500
40.0	64.2	82.0	9 400
42.0	62.7	81.0	8 400
44.0	61.3	80.0	7 500
46.0	59.8	78.8	6 700
48.0	58.3	77.6	6 000
50.0	56.7	76.4	5 300
52.0	55.2	75.0	4 700
54.0	53.6	73.6	4 100
56.0	52.0	72.1	3 500
58.0	50.3	70.5	3 100
60.0	48.6	68.7	2 600
62.0	46.8	66.9	2 100