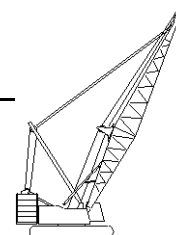




Liftcrane Boom Capacities

Boom No. 22E With Open Throat Top
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements



999 SERIES 3

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, 99 610 kg crane counterweight, two 9 980 kg and two 8 165 kg carbody counterweights.

Boom Catwalks Deduct

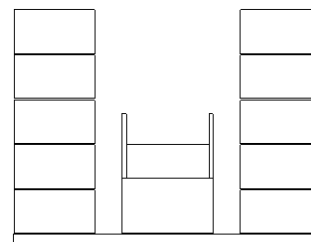
Deduct 300 kg from capacities when boom catwalks are attached.

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



99 610 kg Crane Counterweight
10 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
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

999 SERIES 3

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
88.4m	—	(a) 88.4m	—
85.3m	—	85.3m	—
82.3m	9.1m	82.3m	9.1m
79.2m	18.3m	79.2m	18.3m
Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be used on 88.4m boom over side of crawlers.			

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) 88.4m	—	(a) 88.4m	—
85.3m	—	85.3m	—
82.3m	—	82.3m	—
79.2m	15.2m	79.2m	15.2m
76.2m	18.3m	76.2m	18.3m
Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be used on 88.4m boom.			



Liftcrane Boom Capacities

Boom No. 22E With Open Throat Top
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

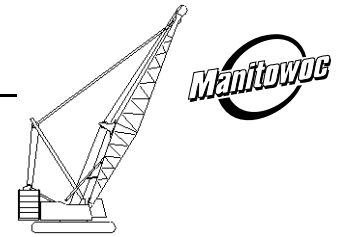
Meets
ANSI B30.5
Requirements

999 SERIES 3

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	208 600 *
5.5	79.3	23.4	199 700 *
6.0	77.9	23.3	184 100 *
7.0	75.1	23.1	159 200 *
8.0	72.3	22.8	140 100 *
9.0	69.5	22.4	125 000 *
10.0	66.6	22.0	112 700 *
11.0	63.6	21.6	100 300
12.0	60.6	21.0	88 400
13.0	57.5	20.4	79 000
14.0	54.2	19.8	71 300
15.0	50.8	19.0	64 900
16.0	47.3	18.1	59 400
18.0	39.4	16.0	50 700
20.0	30.0	13.1	42 800 *
24.4m (80 Ft.) BOOM			
5.2	81.4	26.6	194 000 *
5.5	80.6	26.5	190 900 *
6.0	79.4	26.4	183 800 *
7.0	77.0	26.2	158 900 *
8.0	74.6	26.0	139 900 *
9.0	72.1	25.7	124 700 *
10.0	69.7	25.3	112 500 *
11.0	67.1	24.9	100 300
12.0	64.6	24.5	88 400
13.0	61.9	24.0	79 000
14.0	59.2	23.4	71 300
15.0	56.5	22.8	64 800
16.0	53.6	22.1	59 400
18.0	47.5	20.4	50 700
20.0	40.7	18.4	44 000
22.0	32.9	15.7	38 500
24.0	22.8	11.9	31 700 *
27.4m (90 Ft.) BOOM			
5.5	81.7	29.6	171 400 *
6.0	80.6	29.5	167 200 *
7.0	78.5	29.3	157 600 *
8.0	76.3	29.1	139 600 *
9.0	74.2	28.9	124 500 *
10.0	72.0	28.5	112 200 *
11.0	69.8	28.2	100 200
12.0	67.5	27.8	88 400
13.0	65.3	27.4	78 900
14.0	62.9	26.9	71 200
15.0	60.6	26.4	64 700
16.0	58.1	25.8	59 200
18.0	53.1	24.4	50 500
20.0	47.7	22.7	43 900
22.0	41.7	20.7	38 600
24.0	35.0	18.2	34 300
26.0	26.8	14.8	30 200 *

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	163 400 *
7.0	79.7	32.4	155 200 *
8.0	77.7	32.2	139 500 *
9.0	75.8	32.0	124 300 *
10.0	73.9	31.7	112 000 *
11.0	71.9	31.4	100 300
12.0	69.9	31.1	88 300
13.0	67.9	30.7	78 900
14.0	65.8	30.3	71 100
15.0	63.8	29.8	64 700
16.0	61.6	29.3	59 200
18.0	57.3	28.1	50 500
20.0	52.7	26.7	43 800
22.0	47.8	25.0	38 500
24.0	42.5	23.0	34 300
26.0	36.6	20.6	30 700
28.0	29.7	17.6	27 600
30.0	20.9	13.3	23 700 *
33.5m (110 Ft.) BOOM			
6.7	81.1	35.6	142 600 *
7.0	80.6	35.5	140 800 *
8.0	78.9	35.4	134 800 *
9.0	77.1	35.1	124 500 *
10.0	75.4	34.9	111 800 *
11.0	73.6	34.6	100 100
12.0	71.8	34.3	88 200
13.0	70.0	34.0	78 700
14.0	68.2	33.6	71 000
15.0	66.3	33.2	64 500
16.0	64.4	32.7	59 000
18.0	60.6	31.7	50 300
20.0	56.6	30.4	43 600
22.0	52.4	29.0	38 300
24.0	47.9	27.3	34 100
26.0	43.1	25.4	30 500
28.0	37.8	23.0	27 500
30.0	31.9	20.2	25 000
32.0	24.6	16.4	22 200

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	137 000 *
8.0	79.8	38.5	131 300 *
9.0	78.2	38.3	123 700 *
10.0	76.6	38.0	111 500 *
11.0	75.0	37.8	100 000
12.0	73.4	37.5	88 100
13.0	71.7	37.2	78 600
14.0	70.1	36.8	70 900
15.0	68.4	36.5	64 400
16.0	66.7	36.0	58 900
18.0	63.2	35.1	50 200
20.0	59.7	34.0	43 500
22.0	56.0	32.8	38 200
24.0	52.1	31.3	33 900
26.0	48.0	29.6	30 400
28.0	43.6	27.7	27 400
30.0	38.9	25.4	24 900
32.0	33.6	22.7	22 700
34.0	27.4	19.3	20 600
36.0	19.5	14.7	17 700 *
39.6m (130 Ft.) BOOM			
7.3	81.6	41.7	125 700 *
8.0	80.6	41.6	122 500 *
9.0	79.1	41.4	117 900 *
10.0	77.6	41.2	112 000 *
11.0	76.2	40.9	100 000
12.0	74.7	40.7	88 100
13.0	73.2	40.4	78 600
14.0	71.6	40.1	70 900
15.0	70.1	39.7	64 400
16.0	68.6	39.3	58 800
18.0	65.4	38.5	50 100
20.0	62.2	37.5	43 400
22.0	58.9	36.4	38 200
24.0	55.4	35.1	33 900
26.0	51.9	33.6	30 400
28.0	48.1	31.9	27 400
30.0	44.1	30.0	24 900
32.0	39.7	27.8	22 600
34.0	35.0	25.2	20 700
36.0	29.5	22.0	19 000
38.0	23.0	17.9	16 800



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

Boom No. 22E With Open Throat Top
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

999 SERIES 3

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	117 700 *
9.0	79.9	44.5	113 400 *
10.0	78.5	44.3	109 200 *
11.0	77.2	44.1	99 900
12.0	75.8	43.8	88 000
13.0	74.4	43.6	78 400
14.0	73.0	43.3	70 700
15.0	71.6	42.9	64 200
16.0	70.2	42.6	58 700
18.0	67.3	41.8	50 000
20.0	64.3	40.9	43 300
22.0	61.3	39.9	38 000
24.0	58.2	38.7	33 700
26.0	55.0	37.4	30 200
28.0	51.7	35.9	27 200
30.0	48.1	34.2	24 700
32.0	44.4	32.3	22 500
34.0	40.4	30.1	20 600
36.0	36.1	27.6	18 900
38.0	31.3	24.6	17 400
40.0	25.6	20.9	15 700 *
42.0	18.5	16.0	13 400 *
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	101 600 *
11.0	78.0	47.2	98 200
12.0	76.8	47.0	88 000
13.0	75.5	46.7	78 300
14.0	74.2	46.4	70 500
15.0	72.9	46.1	64 000
16.0	71.5	45.8	58 500
18.0	68.9	45.1	49 800
20.0	66.2	44.3	43 100
22.0	63.4	43.3	37 800
24.0	60.6	42.3	33 500
26.0	57.6	41.1	30 000
28.0	54.6	39.7	27 000
30.0	51.5	38.2	24 500
32.0	48.2	36.5	22 300
34.0	44.7	34.6	20 400
36.0	41.1	32.5	18 700
38.0	37.1	30.0	17 200
40.0	32.7	27.2	15 900
42.0	27.7	23.7	14 500
44.0	21.7	19.4	12 500 *

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	97 200 *
11.0	78.8	50.3	94 000 *
12.0	77.6	50.1	88 300
13.0	76.4	49.9	78 100
14.0	75.2	49.6	70 400
15.0	74.0	49.3	63 900
16.0	72.7	49.0	58 300
18.0	70.3	48.4	49 600
20.0	67.7	47.6	42 900
22.0	65.2	46.7	37 600
24.0	62.6	45.7	33 300
26.0	59.9	44.6	29 800
28.0	57.1	43.4	26 800
30.0	54.3	42.1	24 300
32.0	51.3	40.5	22 100
34.0	48.2	38.8	20 200
36.0	45.0	37.0	18 500
38.0	41.6	34.8	17 000
40.0	37.9	32.4	15 700
42.0	33.9	29.7	14 500
44.0	29.4	26.4	13 300
46.0	24.2	22.5	11 600 *
51.8m (170 Ft.) BOOM			
9.1	81.5	53.7	94 400 *
10.0	80.6	53.6	92 000 *
11.0	79.5	53.4	89 400 *
12.0	78.3	53.2	86 400
13.0	77.2	53.0	78 000
14.0	76.1	52.8	70 300
15.0	74.9	52.5	63 800
16.0	73.8	52.2	58 200
18.0	71.5	51.6	49 500
20.0	69.1	50.9	42 800
22.0	66.7	50.1	37 500
24.0	64.3	49.1	33 200
26.0	61.8	48.1	29 600
28.0	59.3	47.0	26 700
30.0	56.7	45.7	24 100
32.0	54.0	44.4	22 000
34.0	51.2	42.8	20 100
36.0	48.3	41.1	18 400
38.0	45.3	39.3	16 900
40.0	42.1	37.2	15 600
42.0	38.6	34.8	14 400
44.0	34.9	32.1	13 300
46.0	30.9	29.0	12 300
48.0	26.2	25.4	10 900 *
50.0	20.7	20.8	9 300 *

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	84 900 *
12.0	79.0	56.3	82 500 *
13.0	77.9	56.1	78 200
14.0	76.9	55.9	70 100
15.0	75.8	55.6	63 600
16.0	74.7	55.4	58 100
18.0	72.5	54.8	49 300
20.0	70.3	54.1	42 600
22.0	68.1	53.4	37 300
24.0	65.8	52.5	33 000
26.0	63.5	51.6	29 500
28.0	61.1	50.5	26 500
30.0	58.7	49.4	24 000
32.0	56.3	48.1	21 800
34.0	53.7	46.7	19 900
36.0	51.1	45.1	18 200
38.0	48.3	43.4	16 700
40.0	45.5	41.6	15 400
42.0	42.5	39.5	14 200
44.0	39.3	37.2	13 100
46.0	35.8	34.6	12 200
48.0	32.1	31.6	11 200
50.0	27.9	28.2	10 000 *
52.0	23.1	24.0	8 600 *



Liftcrane Boom Capacities

Boom No. 22E With Open Throat Top
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

**Meets
ANSI B30.5
Requirements**

999 SERIES 3

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	79 400 *
12.0	79.6	59.4	77 300 *
13.0	78.6	59.2	75 200
14.0	77.6	59.0	70 000
15.0	76.5	58.8	63 400
16.0	75.5	58.5	57 900
18.0	73.5	58.0	49 100
20.0	71.4	57.3	42 400
22.0	69.3	56.6	37 100
24.0	67.2	55.8	32 800
26.0	65.0	54.9	29 200
28.0	62.8	54.0	26 300
30.0	60.5	52.9	23 700
32.0	58.2	51.7	21 500
34.0	55.9	50.4	19 700
36.0	53.5	49.0	18 000
38.0	51.0	47.4	16 500
40.0	48.4	45.7	15 100
42.0	45.7	43.9	14 000
44.0	42.8	41.8	12 900
46.0	39.8	39.5	11 900
48.0	36.6	37.0	11 000
50.0	33.2	34.1	10 200
52.0	29.4	30.8	9 000 *
54.0	25.0	27.0	7 800 *
56.0	19.8	22.1	6 500 *
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	73 000 *
13.0	79.1	62.3	71 100 *
14.0	78.2	62.1	69 200 *
15.0	77.2	61.9	63 300
16.0	76.3	61.7	57 700
18.0	74.3	61.2	48 900
20.0	72.4	60.6	42 200
22.0	70.4	59.9	36 900
24.0	68.4	59.1	32 600
26.0	66.3	58.3	29 100
28.0	64.3	57.4	26 100
30.0	62.2	56.4	23 500
32.0	60.0	55.3	21 400
34.0	57.8	54.0	19 400
36.0	55.6	52.7	17 800
38.0	53.2	51.3	16 300
40.0	50.9	49.7	15 000
42.0	48.4	48.0	13 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
61.0m (200 Ft.) BOOM			
44.0	45.8	46.2	12 700
46.0	43.1	44.1	11 700
48.0	40.3	41.9	10 800
50.0	37.3	39.4	10 000
52.0	34.1	36.6	9 200
54.0	30.6	33.5	8 100 *
56.0	26.7	29.8	7 000 *
58.0	22.1	25.4	5 900 *
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	67 700 *
14.0	78.8	65.2	66 000 *
15.0	77.8	65.0	63 200
16.0	76.9	64.8	57 800
18.0	75.1	64.3	48 800
20.0	73.2	63.7	42 100
22.0	71.3	63.1	36 700
24.0	69.4	62.4	32 400
26.0	67.5	61.6	28 900
28.0	65.6	60.7	25 900
30.0	63.6	59.8	23 400
32.0	61.6	58.7	21 200
34.0	59.5	57.6	19 300
36.0	57.4	56.4	17 600
38.0	55.3	55.1	16 100
40.0	53.1	53.6	14 800
42.0	50.8	52.0	13 600
44.0	48.4	50.3	12 500
46.0	46.0	48.5	11 600
48.0	43.4	46.5	10 600
50.0	40.8	44.3	9 800
52.0	37.9	41.8	9 100
54.0	34.9	39.1	8 300
56.0	31.7	36.1	7 300 *
58.0	28.1	32.6	6 300 *
60.0	24.0	28.5	5 300 *
62.0	19.1	23.4	4 300 *
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	64 300 *
14.0	79.3	68.3	62 800 *
15.0	78.4	68.1	61 100 *
16.0	77.5	67.9	58 100
18.0	75.8	67.5	48 600
20.0	74.0	66.9	41 800
22.0	72.2	66.3	36 500
24.0	70.4	65.6	32 300
26.0	68.6	64.9	28 700
28.0	66.7	64.1	25 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
67.1m (220 Ft.) BOOM			
30.0	64.9	63.2	23 200
32.0	63.0	62.2	21 000
34.0	61.0	61.1	19 100
36.0	59.1	60.0	17 400
38.0	57.0	58.7	15 900
40.0	55.0	57.4	14 600
42.0	52.9	55.9	13 400
44.0	50.7	54.3	12 300
46.0	48.5	52.6	11 300
48.0	46.1	50.8	10 500
50.0	43.7	48.8	9 600
52.0	41.2	46.6	8 900
54.0	38.5	44.2	8 200
56.0	35.7	41.6	7 400
58.0	32.6	38.6	6 500 *
60.0	29.3	35.3	5 500 *
62.0	25.6	31.4	4 700 *
64.0	21.3	26.8	3 700 *
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	58 400 *
15.0	78.9	71.3	57 100 *
16.0	78.1	71.1	55 400
18.0	76.4	70.6	48 700
20.0	74.7	70.1	41 700
22.0	73.0	69.5	36 300
24.0	71.3	68.9	32 000
26.0	69.6	68.2	28 500
28.0	67.8	67.4	25 500
30.0	66.0	66.5	22 900
32.0	64.2	65.6	20 800
34.0	62.4	64.6	18 800
36.0	60.5	63.5	17 200
38.0	58.6	62.3	15 700
40.0	56.7	61.1	14 400
42.0	54.7	59.7	13 200
44.0	52.7	58.2	12 100
46.0	50.6	56.6	11 100
48.0	48.5	54.9	10 200
50.0	46.3	53.1	9 400
52.0	43.9	51.1	8 600
54.0	41.5	48.9	7 900
56.0	39.0	46.6	7 300
58.0	36.3	44.0	6 500 *
60.0	33.5	41.1	5 600 *
62.0	30.4	37.9	4 800 *
64.0	27.0	34.3	3 900 *
66.0	23.1	30.0	3 100 *
68.0	18.5	24.7	2 200 *



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

Boom No. 22E With Open Throat Top
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

999 SERIES 3

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	54 000 *
16.0	78.6	74.2	52 700 *
18.0	77.0	73.7	48 200
20.0	75.4	73.2	41 500
22.0	73.7	72.7	36 100
24.0	72.1	72.1	31 800
26.0	70.5	71.4	28 300
28.0	68.8	70.7	25 300
30.0	67.1	69.8	22 800
32.0	65.4	69.0	20 500
34.0	63.6	68.0	18 700
36.0	61.9	67.0	17 000
38.0	60.1	65.9	15 500
40.0	58.3	64.7	14 200
42.0	56.4	63.4	13 000
44.0	54.5	62.0	11 900
46.0	52.6	60.5	10 900
48.0	50.6	59.0	10 000
50.0	48.5	57.2	9 200
52.0	46.4	55.4	8 500
54.0	44.2	53.4	7 800
56.0	41.9	51.3	7 100
58.0	39.5	49.0	6 500
60.0	36.9	46.4	5 700 *
62.0	34.2	43.6	4 800 *
64.0	31.3	40.5	4 000 *
66.0	28.2	37.0	3 300 *
68.0	24.7	33.0	2 500 *
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	48 900 *
18.0	77.5	76.9	46 800 *
20.0	76.0	76.4	41 300
22.0	74.4	75.9	36 000
24.0	72.8	75.3	31 700
26.0	71.3	74.6	28 100
28.0	69.7	73.9	25 100
30.0	68.1	73.1	22 600
32.0	66.4	72.3	20 400
34.0	64.8	71.4	18 500
36.0	63.1	70.4	16 800
38.0	61.4	69.4	15 300
40.0	59.7	68.2	14 000
42.0	57.9	67.0	12 800
44.0	56.1	65.7	11 700
46.0	54.3	64.3	10 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
76.2m (250 Ft.) BOOM			
48.0	52.4	62.8	9 800
50.0	50.5	61.3	9 000
52.0	48.5	59.5	8 300
54.0	46.5	57.7	7 600
56.0	44.4	55.7	7 000
58.0	42.2	53.6	6 400
60.0	39.9	51.3	5 700
62.0	37.5	48.8	4 900 *
64.0	34.9	46.1	4 100 *
66.0	32.2	43.1	3 400 *
68.0	29.3	39.7	2 700 *
70.0	26.0	35.9	2 000 *
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	44 900 *
18.0	78.0	80.0	44 000 *
20.0	76.5	79.5	41 300
22.0	75.0	79.0	35 800
24.0	73.5	78.5	31 500
26.0	72.0	77.8	27 900
28.0	70.5	77.2	24 900
30.0	68.9	76.4	22 400
32.0	67.4	75.6	20 200
34.0	65.8	74.7	18 300
36.0	64.2	73.8	16 600
38.0	62.6	72.8	15 100
40.0	61.0	71.7	13 800
42.0	59.3	70.6	12 600
44.0	57.6	69.4	11 500
46.0	55.9	68.1	10 500
48.0	54.1	66.6	9 600
50.0	52.3	65.2	8 800
52.0	50.4	63.6	8 000
54.0	48.5	61.8	7 400
56.0	46.6	60.0	6 700
58.0	44.5	58.1	6 100
60.0	42.4	55.9	5 600
62.0	40.3	53.7	4 900 *
64.0	38.0	51.2	4 100 *
66.0	35.6	48.5	3 400 *
68.0	33.0	45.6	2 700 *
70.0	30.2	42.4	2 000 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
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	40 400 *
20.0	77.0	82.7	39 500
22.0	75.6	82.2	35 800
24.0	74.2	81.6	31 200
26.0	72.7	81.0	27 700
28.0	71.2	80.4	24 700
30.0	69.8	79.7	22 200
32.0	68.3	78.9	20 000
34.0	66.8	78.1	18 000
36.0	65.2	77.2	16 400
38.0	63.7	76.2	14 900
40.0	62.1	75.2	13 500
42.0	60.5	74.1	12 300
44.0	58.9	72.9	11 300
46.0	57.3	71.7	10 300
48.0	55.6	70.4	9 400
50.0	53.9	69.0	8 600
52.0	52.2	67.5	7 800
54.0	50.4	65.9	7 100
56.0	48.6	64.1	6 500
58.0	46.7	62.3	5 900
60.0	44.7	60.4	5 300
62.0	42.7	58.3	4 700
64.0	40.6	56.0	4 000 *
66.0	38.4	53.6	3 300 *
68.0	36.1	51.0	2 600 *
70.0	33.7	48.1	2 000 *



Liftcrane Boom Capacities

Boom No. 22E With Open Throat Top
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

999 SERIES 3

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
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	36 000 *
22.0	76.1	85.3	34 500
24.0	74.7	84.8	31 200
26.0	73.3	84.2	27 500
28.0	71.9	83.6	24 500
30.0	70.5	82.9	21 900
32.0	69.1	82.2	19 700
34.0	67.6	81.4	17 800
36.0	66.2	80.5	16 100
38.0	64.7	79.6	14 600
40.0	63.2	78.6	13 300
42.0	61.7	77.6	12 100
44.0	60.2	76.5	11 000
46.0	58.6	75.3	10 100
48.0	57.0	74.0	9 100
50.0	55.4	72.7	8 400
52.0	53.7	71.3	7 600
54.0	52.1	69.8	6 900
56.0	50.3	68.2	6 300
58.0	48.6	66.4	5 700
60.0	46.8	64.6	5 100
62.0	44.9	62.7	4 600
64.0	42.9	60.6	3 900 *
66.0	40.9	58.4	3 200 *
68.0	38.8	56.0	2 500 *
70.0	36.6	53.4	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	32 900 *
22.0	76.6	88.4	32 200 *
24.0	75.3	87.9	30 600
26.0	73.9	87.4	27 300
28.0	72.6	86.8	24 300
30.0	71.2	86.1	21 700
32.0	69.8	85.4	19 500
34.0	68.4	84.7	17 600
36.0	67.0	83.9	16 000
38.0	65.6	83.0	14 400
40.0	64.2	82.0	13 100
42.0	62.7	81.0	11 900
44.0	61.3	80.0	10 800
46.0	59.8	78.8	9 900
48.0	58.3	77.6	9 000
50.0	56.7	76.4	8 200
52.0	55.2	75.0	7 400
54.0	53.6	73.6	6 700
56.0	52.0	72.1	6 100
58.0	50.3	70.5	5 500
60.0	48.6	68.7	4 900
62.0	46.8	66.9	4 400
64.0	45.0	65.0	3 900
66.0	43.2	62.9	3 100 *
68.0	41.2	60.7	2 500 *
70.0	39.2	58.4	1 800 *