

Liftcrane Boom Capacities

European
Standards

888 SERIES 2

Boom No. 22EL
81 240 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

LIFTING CAPACITIES: Capacities for various boom lengths and operating radii are for freely suspended loads and are calculated to comply with DIN 15018, ISO 4305, and NEN 2022 standards and include factors based on 4.5 degree minimum tipping angle. Capacities based on structural competence are denoted by an asterisk (*). Capacities indicated by (b) require 5 670 kg minimum weight. Capacities are not shown for boom positions which, without load, provide less than required backward stability.

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.

76.2m thru 88.4m boom lengths require only the middle two sheaves in lower boom point. All other sheaves must be removed from lower boom point.

Weight of jib, all load blocks, hooks, weight ball, slings, etc., beneath boom and jib point sheaves, is considered part of main boom load. Reeved hoist line included in boom weight. 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. 177156** or **No. 177353** and Wire Rope Specification chart **No. 7859-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.

WIND CONDITIONS: Machine may be operated within wind limits shown in table provided crane operator judgment is used to allow for wind effect on lifted load and other considerations noted on capacity chart are followed. A surface area of 1.2m²/t of rated load has been included in capacity determination. Wind will have a considerable effect on a load. Loads with a surface area greater than 1.2m²/t of rated load must be compensated for accordingly by reducing load ratings, reducing operating speeds or by a combination of both. Recommend stopping operation and lowering boom and jib to approximately 70 degree boom angle when wind exceeds those shown in table. Lower boom and jib to ground when wind is above 22 m/s.

MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface and boom within boom angle range shown in capacity chart.

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 extendible 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, 81 240 kg crane counterweight and 19 960 kg carbody counterweight.

Wind Limits During Operation		
Maximum Wind Velocity	Boom Length	Jib Length
m/s	Meters	Meters
14	21.3 - 76.2	—
10	79.2 - 88.4	—
10	27.4 - 76.2	9.1 - 24.4
10	79.2	9.1 - 15.2

Deduct From Capacities When Jib Is Attached	
Jib Length	Jib No. 134
9.1m	1 220 kg
12.2m	1 590 kg
15.2m	1 950 kg
18.3m	2 310 kg
21.3m	2 770 kg
24.4m	3 220 kg

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

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Maximum Boom and Jib Lengths Lifted Unassisted							
Over Front of Blocked Crawlers		Over Rear of Blocked Crawlers		Over Side of Extended Crawlers		Over Side of Retracted Crawlers	
Boom Length	Jib No. 134	Boom Length	Jib No. 134	Boom Length	Jib No. 134	Boom Length	Jib No. 134
(a) 88.4m	—	(a) 85.3m	—	(a) 79.2m	—	70.1m	—
85.3m	—	82.3m	—	76.2m	—	67.1m	9.1m
82.3m	—	79.2m	12.2m	73.2m	—	64.0m	18.3m
79.2m	15.2m	76.2m	21.3m	70.1m	15.2m	61.0m	24.4m
76.2m	24.4m	73.2m	24.4m	67.1m	24.4m		

Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be used on 88.4m boom and cannot be lifted over rear of blocked crawlers on 85.3m boom or over side of extended crawlers on 79.2m boom.

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Crawlers Retracted Kilograms	Boom Capacity Crawlers Extended Kilograms
21.3m (70 Ft.) Boom				
4.9	82.8	23.5		200 000 *b
5.0	82.5	23.5		193 900 *b
5.5	81.1	23.4		174 900 *b
6.0	79.7	23.3		161 000 *b
7.0	77.0	23.1		138 600 *b
8.0	74.2	22.8		121 400 *
9.0	71.3	22.5		107 900 *
10.0	68.4	22.1		96 100
11.0	65.5	21.6		85 400
12.0	62.5	21.1		75 700
13.0	59.3	20.5		67 200
14.0	56.1	19.8		60 300
15.0	52.7	19.0	46 300	54 500
16.0	49.1	18.1	42 200	49 600
18.0	41.3	16.0	35 700	41 900
20.0	31.9	13.2	30 700	36 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Crawlers Retracted Kilograms	Boom Capacity Crawlers Extended Kilograms
24.4m (80 Ft.) Boom				
5.2	83.0	26.6		183 700 *b
5.5	82.2	26.5		174 600 *b
6.0	81.0	26.4		160 600 *b
7.0	78.6	26.2		138 200 *b
8.0	76.2	26.0		121 100
9.0	73.8	25.7		105 500
10.0	71.3	25.3		92 900
11.0	68.8	24.9		82 800
12.0	66.2	24.5		74 600
13.0	63.5	24.0		67 100
14.0	60.9	23.4	50 900	60 100
15.0	58.1	22.8	46 100	54 400
16.0	55.2	22.1	42 000	49 500
18.0	49.1	20.4	35 400	41 700
20.0	42.4	18.4	30 400	35 800
22.0	34.5	15.7	26 500	31 200
24.0	24.5	11.9	23 300	27 500

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27.4m (90 Ft.) Boom				
5.8	82.5	29.6		165 400 *b
6.0	82.0	29.5		160 300 *b
7.0	79.9	29.3		137 300 b
8.0	77.8	29.1		117 200
9.0	75.6	28.9		102 000
10.0	73.4	28.6		90 100
11.0	71.2	28.2		80 500
12.0	69.0	27.8		72 600
13.0	66.7	27.4	55 800	65 900
14.0	64.4	26.9	50 800	60 100
15.0	62.0	26.4	46 000	54 300
16.0	59.6	25.8	41 900	49 400
18.0	54.5	24.4	35 300	41 600
20.0	49.1	22.7	30 300	35 600
22.0	43.2	20.7	26 300	31 000
24.0	36.4	18.2	23 000	27 300
26.0	28.3	14.9	20 400	24 200
30.5m (100 Ft.) Boom				
6.1	82.7	32.6		154 400 b
7.0	80.9	32.5		131 700 b
8.0	79.0	32.3		113 100
9.0	77.1	32.0		98 800
10.0	75.1	31.7		87 500
11.0	73.2	31.4		78 300
12.0	71.2	31.1		70 700
13.0	69.2	30.7	54 500	64 400
14.0	67.1	30.3	49 900	58 900
15.0	65.1	29.8	45 900	54 200
16.0	62.9	29.3	41 900	49 500
18.0	58.6	28.1	35 200	41 500
20.0	54.0	26.7	30 200	35 600
22.0	49.1	25.0	26 200	30 900
24.0	43.8	23.1	23 000	27 100
26.0	37.9	20.6	20 300	24 000
28.0	31.0	17.6	18 000	21 500
30.0	22.2	13.4	16 200	19 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Crawlers Retracted Kilograms	Boom Capacity Crawlers Extended Kilograms
33.5m (110 Ft.) Boom				
6.7	82.3	35.6		132 900
7.0	81.8	35.5		127 000
8.0	80.0	35.4		109 200
9.0	78.3	35.2		95 700
10.0	76.5	34.9		84 900
11.0	74.8	34.6		76 100
12.0	73.0	34.3		68 900
13.0	71.2	34.0	53 000	62 700
14.0	69.3	33.6	48 600	57 500
15.0	67.5	33.2	44 800	53 000
16.0	65.6	32.7	41 400	48 900
18.0	61.7	31.7	35 100	41 500
20.0	57.7	30.4	30 000	35 400
22.0	53.5	29.0	26 000	30 700
24.0	49.1	27.3	22 700	26 900
26.0	44.3	25.4	20 000	23 800
28.0	39.0	23.0	17 800	21 200
30.0	33.1	20.2	15 900	19 000
32.0	25.8	16.5	14 300	17 200
36.6m (120 Ft.) Boom				
6.7	82.9	38.7		127 600
7.0	82.5	38.6		122 100
8.0	80.9	38.5		105 400
9.0	79.3	38.3		92 600
10.0	77.7	38.0		82 400
11.0	76.1	37.8		74 000
12.0	74.4	37.5	56 600	67 000
13.0	72.8	37.2	51 600	61 100
14.0	71.1	36.8	47 300	56 000
15.0	69.5	36.5	43 700	51 600
16.0	67.8	36.1	40 400	47 800
18.0	64.3	35.1	34 800	41 100
20.0	60.7	34.0	29 700	35 200
22.0	57.0	32.8	25 700	30 500
24.0	53.2	31.3	22 400	26 700
26.0	49.1	29.6	19 700	23 500
28.0	44.7	27.7	17 500	20 900
30.0	40.0	25.4	15 600	18 700
32.0	34.7	22.7	14 000	16 900
34.0	28.5	19.3	12 600	15 300
36.0	20.6	14.7	11 400	13 900

Capacities based on structural competence are denoted by an asterisk (*).
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39.6m (130 Ft.) Boom				
7.3	82.6	41.7		112 200
8.0	81.6	41.6		102 000
9.0	80.1	41.4		89 900
10.0	78.6	41.2		80 100
11.0	77.2	40.9	60 800	72 100
12.0	75.7	40.7	55 200	65 400
13.0	74.2	40.4	50 500	59 700
14.0	72.6	40.1	46 300	54 800
15.0	71.1	39.7	42 800	50 600
16.0	69.6	39.4	39 600	46 900
18.0	66.4	38.5	34 300	40 600
20.0	63.2	37.5	29 700	35 200
22.0	59.9	36.4	25 700	30 400
24.0	56.4	35.1	22 400	26 600
26.0	52.8	33.6	19 700	23 500
28.0	49.1	31.9	17 400	20 900
30.0	45.1	30.0	15 500	18 700
32.0	40.7	27.8	13 800	16 700
34.0	36.0	25.2	12 400	15 100
36.0	30.5	22.0	11 200	13 700
38.0	24.0	18.0	10 200	12 500
42.7m (140 Ft.) Boom				
7.9	82.3	44.7		99 600
8.0	82.2	44.6		98 700
9.0	80.8	44.5		87 100
10.0	79.5	44.3		77 800
11.0	78.1	44.1	59 000	70 100
12.0	76.7	43.8	53 700	63 700
13.0	75.3	43.6	49 100	58 200
14.0	73.9	43.3	45 100	53 400
15.0	72.5	43.0	41 600	49 300
16.0	71.1	42.6	38 600	45 700
18.0	68.2	41.8	33 400	39 600
20.0	65.3	40.9	29 200	34 700
22.0	62.2	39.9	25 400	30 200
24.0	59.1	38.7	22 100	26 400
26.0	55.9	37.4	19 400	23 200
28.0	52.6	35.9	17 100	20 600
30.0	49.1	34.2	15 200	18 300
32.0	45.4	32.3	13 500	16 500
34.0	41.4	30.1	12 100	14 800
36.0	37.0	27.6	10 900	13 400
38.0	32.2	24.6	9 800	12 200
40.0	26.6	20.9	8 900	11 100
42.0	19.4	16.0	8 100	10 200

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Crawlers Retracted Kilograms	Boom Capacity Crawlers Extended Kilograms
45.7m (150 Ft.) Boom				
7.9	82.8	47.7		96 500
8.0	82.7	47.7		95 600
9.0	81.4	47.6		84 600
10.0	80.2	47.4		75 700
11.0	78.9	47.2	57 500	68 300
12.0	77.6	47.0	52 300	62 100
13.0	76.3	46.7	47 900	56 800
14.0	75.0	46.4	44 000	52 200
15.0	73.7	46.2	40 700	48 200
16.0	72.4	45.8	37 700	44 700
18.0	69.7	45.1	32 600	38 800
20.0	67.0	44.3	28 500	34 000
22.0	64.3	43.3	25 100	30 000
24.0	61.4	42.3	21 900	26 200
26.0	58.5	41.1	19 200	23 000
28.0	55.5	39.7	16 900	20 400
30.0	52.3	38.2	15 000	18 100
32.0	49.1	36.5	13 300	16 200
34.0	45.6	34.6	11 800	14 600
36.0	41.9	32.5	10 600	13 100
38.0	37.9	30.0	9 500	11 800
40.0	33.6	27.2	8 500	10 700
42.0	28.6	23.7	7 700	9 800
44.0	22.6	19.4	7 000	8 900

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48.8m (160 Ft.) Boom				
8.5	82.5	50.7		86 800
9.0	82.0	50.7		82 300
10.0	80.8	50.5	62 000	73 700
11.0	79.6	50.3	56 100	66 600
12.0	78.4	50.1	51 100	60 600
13.0	77.2	49.9	46 800	55 500
14.0	76.0	49.6	43 100	51 100
15.0	74.8	49.3	39 800	47 200
16.0	73.5	49.0	36 900	43 700
18.0	71.1	48.4	31 900	38 000
20.0	68.5	47.6	27 900	33 300
22.0	66.0	46.7	24 600	29 500
24.0	63.4	45.7	21 800	26 100
26.0	60.7	44.6	19 100	22 900
28.0	57.9	43.4	16 800	20 200
30.0	55.1	42.1	14 800	18 000
32.0	52.1	40.5	13 200	16 100
34.0	49.1	38.8	11 700	14 400
36.0	45.8	37.0	10 400	12 900
38.0	42.4	34.8	9 300	11 700
40.0	38.7	32.4	8 300	10 500
42.0	34.7	29.7	7 400	9 500
44.0	30.2	26.4	6 600	8 600
46.0	25.0	22.5	6 000	7 900
48.0	18.5	17.3	5 400	7 200

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Crawlers Retracted Kilograms	Boom Capacity Crawlers Extended Kilograms
51.8m (170 Ft.) Boom				
8.5	83.0	53.8		84 200
9.0	82.5	53.7		79 900
10.0	81.3	53.6	60 200	71 700
11.0	80.2	53.4	54 600	64 900
12.0	79.1	53.2	49 800	59 100
13.0	78.0	53.0	45 600	54 200
14.0	76.8	52.8	42 000	49 800
15.0	75.7	52.5	38 800	46 100
16.0	74.5	52.2	36 000	42 700
18.0	72.2	51.6	31 100	37 100
20.0	69.9	50.9	27 200	32 500
22.0	67.5	50.1	24 000	28 800
24.0	65.1	49.2	21 300	25 600
26.0	62.6	48.1	18 800	22 700
28.0	60.0	47.0	16 600	20 100
30.0	57.4	45.8	14 600	17 800
32.0	54.7	44.4	12 900	15 800
34.0	52.0	42.8	11 500	14 200
36.0	49.1	41.1	10 200	12 700
38.0	46.0	39.3	9 000	11 400
40.0	42.8	37.2	8 000	10 300
42.0	39.4	34.8	7 200	9 300
44.0	35.7	32.1	6 400	8 400
46.0	31.6	29.1	5 700	7 600
48.0	27.0	25.4	5 100	6 900
50.0	21.5	20.8	4 500	6 300

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54.9m (180 Ft.) Boom				
9.1	82.7	56.8	64 100	76 400
10.0	81.8	56.7	58 700	69 900
11.0	80.8	56.5	53 200	63 300
12.0	79.7	56.3	48 600	57 700
13.0	78.6	56.1	44 600	53 000
14.0	77.6	55.9	41 100	48 800
15.0	76.5	55.6	38 000	45 100
16.0	75.4	55.4	35 200	41 900
18.0	73.2	54.8	30 500	36 400
20.0	71.0	54.1	26 700	31 900
22.0	68.8	53.4	23 500	28 200
24.0	66.5	52.5	20 800	25 100
26.0	64.2	51.6	18 500	22 500
28.0	61.9	50.5	16 500	20 000
30.0	59.5	49.4	14 500	17 700
32.0	57.0	48.1	12 800	15 700
34.0	54.4	46.7	11 300	14 000
36.0	51.8	45.1	10 000	12 600
38.0	49.0	43.4	8 900	11 300
40.0	46.2	41.6	7 900	10 100
42.0	43.2	39.5	7 000	9 100
44.0	40.0	37.2	6 200	8 200
46.0	36.6	34.6	5 500	7 400
48.0	32.8	31.6	4 800	6 600
50.0	28.6	28.2	4 300	6 000
52.0	23.8	24.0	3 800	5 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Crawlers Retracted Kilograms	Boom Capacity Crawlers Extended Kilograms
57.9m (190 Ft.) Boom				
9.8	82.5	59.8	58 500	69 700
10.0	82.3	59.8	57 100	68 000
11.0	81.3	59.6	51 800	61 600
12.0	80.3	59.4	47 300	56 200
13.0	79.2	59.2	43 400	51 600
14.0	78.2	59.0	39 900	47 600
15.0	77.2	58.8	36 900	44 000
16.0	76.2	58.5	34 200	40 800
18.0	74.2	58.0	29 700	35 500
20.0	72.1	57.3	25 900	31 100
22.0	70.0	56.6	22 800	27 400
24.0	67.8	55.8	20 100	24 400
26.0	65.7	54.9	17 900	21 800
28.0	63.5	54.0	15 900	19 500
30.0	61.2	52.9	14 100	17 400
32.0	58.9	51.7	12 400	15 400
34.0	56.6	50.4	11 000	13 700
36.0	54.1	49.0	9 700	12 200
38.0	51.6	47.4	8 500	10 900
40.0	49.0	45.7	7 500	9 800
42.0	46.3	43.9	6 600	8 700
44.0	43.5	41.8	5 800	7 800
46.0	40.5	39.6	5 100	7 000
48.0	37.3	37.0	4 400	6 300
50.0	33.9	34.2	3 800	5 600
52.0	30.0	30.9	3 400	5 000
54.0	25.7	27.0	2 900	4 500
56.0	20.5	22.1	2 500	4 000

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61.0m (200 Ft.) Boom				
9.8	82.9	62.9	57 000	67 900
10.0	82.7	62.8	55 600	66 300
11.0	81.7	62.7	50 500	60 200
12.0	80.7	62.5	46 200	55 000
13.0	79.8	62.3	42 400	50 500
14.0	78.8	62.1	39 100	46 600
15.0	77.9	61.9	36 200	43 100
16.0	76.9	61.7	33 500	40 000
18.0	75.0	61.2	29 000	34 800
20.0	73.0	60.6	25 400	30 500
22.0	71.0	59.9	22 300	26 900
24.0	69.0	59.1	19 700	23 900
26.0	67.0	58.3	17 500	21 400
28.0	64.9	57.4	15 500	19 100
30.0	62.8	56.4	13 800	17 200
32.0	60.7	55.3	12 300	15 300
34.0	58.5	54.1	10 900	13 600
36.0	56.2	52.7	9 600	12 100
38.0	53.9	51.3	8 400	10 800
40.0	51.5	49.7	7 400	9 600
42.0	49.0	48.0	6 500	8 600
44.0	46.5	46.2	5 700	7 700
46.0	43.8	44.2	4 900	6 800
48.0	41.0	41.9	4 200	6 100
50.0	38.0	39.4	3 700	5 400
52.0	34.8	36.6	3 100	4 700
54.0	31.2	33.5	2 700	4 200
56.0	27.3	29.8	2 200	3 700
58.0	22.8	25.4		3 200

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Crawlers Retracted Kilograms	Boom Capacity Crawlers Extended Kilograms
64.0m (210 Ft.) Boom				
10.4	82.7	65.9	52 200	62 200
11.0	82.1	65.8	49 200	58 600
12.0	81.2	65.6	45 000	53 600
13.0	80.3	65.4	41 300	49 200
14.0	79.4	65.2	38 100	45 400
15.0	78.5	65.0	35 200	42 100
16.0	77.5	64.8	32 700	39 100
18.0	75.7	64.3	28 300	33 900
20.0	73.8	63.7	24 700	29 800
22.0	72.0	63.1	21 700	26 300
24.0	70.1	62.4	19 100	23 300
26.0	68.1	61.6	17 000	20 800
28.0	66.2	60.7	15 000	18 600
30.0	64.2	59.8	13 400	16 700
32.0	62.2	58.8	11 900	15 000
34.0	60.1	57.6	10 600	13 400
36.0	58.0	56.4	9 300	11 900
38.0	55.9	55.1	8 200	10 600
40.0	53.7	53.6	7 200	9 400
42.0	51.4	52.0	6 200	8 400
44.0	49.0	50.3	5 400	7 400
46.0	46.6	48.5	4 700	6 500
48.0	44.1	46.5	4 000	5 800
50.0	41.4	44.3	3 400	5 100
52.0	38.6	41.8	2 800	4 500
54.0	35.6	39.1	2 300	3 900
56.0	32.3	36.1	1 900	3 400
58.0	28.7	32.6		3 000
60.0	24.6	28.5		2 600
62.0	19.7	23.4		2 200

Capacities based on structural competence are denoted by an asterisk (*).

Capacities indicated by (b) require 5 670 kg minimum weight.

Liftcrane Boom Capacities

 European
Standards

888 SERIES 2

Boom No. 22EL
81 240 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Crawlers Retracted Kilograms	Boom Capacity Crawlers Extended Kilograms
67.1m (220 Ft.) Boom				
10.4	83.0	68.9	51 000	60 800
11.0	82.5	68.8	48 100	57 300
12.0	81.6	68.7	44 000	52 500
13.0	80.7	68.5	40 500	48 200
14.0	79.9	68.3	37 300	44 500
15.0	79.0	68.2	34 500	41 200
16.0	78.1	67.9	32 100	38 300
18.0	76.4	67.5	27 800	33 300
20.0	74.6	66.9	24 200	29 300
22.0	72.8	66.3	21 300	25 800
24.0	71.0	65.6	18 800	22 900
26.0	69.2	64.9	16 600	20 400
28.0	67.3	64.1	14 700	18 300
30.0	65.5	63.2	13 100	16 400
32.0	63.6	62.2	11 600	14 700
34.0	61.6	61.1	10 300	13 200
36.0	59.6	60.0	9 200	11 800
38.0	57.6	58.7	8 100	10 500
40.0	55.6	57.4	7 100	9 400
42.0	53.5	55.9	6 100	8 300
44.0	51.3	54.4	5 300	7 300
46.0	49.0	52.6	4 600	6 500
48.0	46.7	50.8	3 900	5 700
50.0	44.3	48.8	3 300	5 000
52.0	41.8	46.6	2 700	4 400
54.0	39.1	44.2	2 200	3 800
56.0	36.3	41.6		3 300
58.0	33.2	38.6		2 800
60.0	29.9	35.3		2 300
62.0	26.2	31.4		1 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Crawlers Retracted Kilograms	Boom Capacity Crawlers Extended Kilograms
70.1m (230 Ft.) Boom				
11.0	82.8	71.9	46 900	56 000
12.0	82.0	71.8	42 800	51 100
13.0	81.1	71.6	39 300	47 000
14.0	80.3	71.4	36 300	43 400
15.0	79.5	71.3	33 600	40 200
16.0	78.6	71.1	31 100	37 400
18.0	77.0	70.6	27 000	32 500
20.0	75.3	70.1	23 500	28 500
22.0	73.6	69.5	20 600	25 100
24.0	71.9	68.9	18 100	22 300
26.0	70.1	68.2	16 000	19 800
28.0	68.4	67.4	14 100	17 700
30.0	66.6	66.5	12 500	15 800
32.0	64.8	65.6	11 100	14 200
34.0	63.0	64.6	9 800	12 700
36.0	61.1	63.5	8 600	11 400
38.0	59.2	62.3	7 600	10 200
40.0	57.3	61.1	6 700	9 000
42.0	55.3	59.7	5 800	8 000
44.0	53.3	58.2	5 000	7 000
46.0	51.2	56.7	4 200	6 100
48.0	49.0	54.9	3 600	5 300
50.0	46.8	53.1	2 900	4 600
52.0	44.5	51.1	2 400	4 000
54.0	42.1	48.9		3 400
56.0	39.6	46.6		2 900
58.0	36.9	44.0		2 400

Capacities based on structural competence are denoted by an asterisk (*).
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Liftcrane Boom Capacities

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Standards

888 SERIES 2

Boom No. 22EL
81 240 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Crawlers Retracted Kilograms	Boom Capacity Crawlers Extended Kilograms
73.2m (240 Ft.) Boom				
11.6	82.6	74.9	43 200	51 600
12.0	82.3	74.9	41 700	49 800
13.0	81.5	74.7	38 300	45 800
14.0	80.7	74.5	35 300	42 300
15.0	79.9	74.4	32 700	39 200
16.0	79.1	74.2	30 300	36 400
18.0	77.5	73.7	26 200	31 600
20.0	75.9	73.2	22 800	27 700
22.0	74.3	72.7	20 000	24 400
24.0	72.6	72.1	17 500	21 600
26.0	71.0	71.4	15 400	19 200
28.0	69.3	70.7	13 600	17 100
30.0	67.6	69.8	12 000	15 200
32.0	65.9	69.0	10 600	13 600
34.0	64.2	68.0	9 300	12 100
36.0	62.4	67.0	8 100	10 900
38.0	60.6	65.9	7 100	9 700
40.0	58.8	64.7	6 200	8 600
42.0	56.9	63.4	5 400	7 600
44.0	55.0	62.0	4 600	6 700
46.0	53.1	60.5	3 900	5 800
48.0	51.1	59.0	3 200	5 100
50.0	49.0	57.2	2 600	4 300
52.0	46.9	55.4		3 700
54.0	44.7	53.4		3 100
56.0	42.4	51.3		2 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Crawlers Retracted Kilograms	Boom Capacity Crawlers Extended Kilograms
76.2m (250 Ft.) Boom				
11.6	82.9	78.0	42 700	49 900 *
12.0	82.6	77.9	41 300	48 900
13.0	81.9	77.8	38 000	45 400
14.0	81.1	77.6	35 100	42 000
15.0	80.3	77.5	32 500	38 900
16.0	79.6	77.3	30 200	36 200
18.0	78.0	76.9	26 200	31 600
20.0	76.5	76.4	22 900	27 700
22.0	74.9	75.9	20 100	24 500
24.0	73.4	75.3	17 700	21 800
26.0	71.8	74.6	15 600	19 400
28.0	70.2	73.9	13 800	17 300
30.0	68.6	73.1	12 200	15 400
32.0	66.9	72.3	10 800	13 900
34.0	65.3	71.4	9 600	12 400
36.0	63.6	70.4	8 500	11 100
38.0	61.9	69.4	7 400	10 000
40.0	60.2	68.2	6 500	8 900
42.0	58.4	67.0	5 700	8 000
44.0	56.6	65.7	4 900	7 100
46.0	54.8	64.3	4 200	6 200
48.0	52.9	62.8	3 600	5 400
50.0	51.0	61.3	3 000	4 700
52.0	49.0	59.5	2 400	4 100
54.0	47.0	57.7		3 500
56.0	44.9	55.7		2 900
58.0	42.7	53.6		2 400

Capacities based on structural competence are denoted by an asterisk (*).

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Liftcrane Boom Capacities

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Boom No. 22EL
81 240 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Crawlers Retracted Kilograms	Boom Capacity Crawlers Extended Kilograms
79.2m (260 Ft.) Boom				
12.2	82.8	81.0	39 500	45 500 *
13.0	82.2	80.9	36 900	44 400
14.0	81.4	80.7	34 200	40 900
15.0	80.7	80.6	31 600	38 000
16.0	80.0	80.4	29 400	35 300
18.0	78.5	80.0	25 500	30 700
20.0	77.0	79.5	22 200	27 000
22.0	75.5	79.0	19 500	23 800
24.0	74.0	78.5	17 100	21 100
26.0	72.5	77.8	15 100	18 800
28.0	71.0	77.2	13 300	16 700
30.0	69.4	76.4	11 700	14 900
32.0	67.9	75.6	10 300	13 300
34.0	66.3	74.8	9 100	11 900
36.0	64.7	73.8	8 000	10 700
38.0	63.1	72.8	7 000	9 500
40.0	61.5	71.7	6 000	8 500
42.0	59.8	70.6	5 200	7 500
44.0	58.1	69.4	4 500	6 700
46.0	56.4	68.1	3 800	5 900
48.0	54.6	66.7	3 100	5 200
50.0	52.8	65.2	2 600	4 400
52.0	50.9	63.6		3 700
54.0	49.0	61.8		3 200
56.0	47.1	60.0		2 600
58.0	45.0	58.1		2 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Crawlers Retracted Kilograms	Boom Capacity Crawlers Extended Kilograms
82.3m (270 Ft.) Boom				
12.2	83.0	84.1	38 400	41 600 *
13.0	82.5	84.0	36 000	41 100 *
14.0	81.8	83.8	33 200	39 900
15.0	81.1	83.6	30 700	37 000
16.0	80.3	83.5	28 500	34 400
18.0	78.9	83.1	24 700	30 000
20.0	77.5	82.7	21 500	26 300
22.0	76.1	82.2	18 800	23 100
24.0	74.6	81.6	16 500	20 500
26.0	73.2	81.0	14 500	18 200
28.0	71.7	80.4	12 700	16 100
30.0	70.2	79.7	11 200	14 400
32.0	68.7	78.9	9 800	12 800
34.0	67.2	78.1	8 600	11 400
36.0	65.7	77.2	7 500	10 100
38.0	64.2	76.2	6 500	9 000
40.0	62.6	75.2	5 600	8 000
42.0	61.0	74.1	4 700	7 000
44.0	59.4	72.9	4 000	6 200
46.0	57.8	71.7	3 300	5 400
48.0	56.1	70.4	2 700	4 700
50.0	54.4	69.0	2 100	4 000
52.0	52.6	67.5		3 400
54.0	50.9	65.9		2 800
56.0	49.0	64.1		2 300

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Liftcrane Boom Capacities

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Boom No. 22EL
81 240 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Crawlers Retracted Kilograms	Boom Capacity Crawlers Extended Kilograms
85.3m (280 Ft.) Boom				
12.8	82.9	87.1	35 800	37 400 *
13.0	82.7	87.0	35 300	37 300 *
14.0	82.1	86.9	32 600	36 600 *
15.0	81.4	86.7	30 200	35 900 *
16.0	80.7	86.6	28 000	34 400
18.0	79.3	86.2	24 300	29 500
20.0	78.0	85.8	21 200	25 900
22.0	76.6	85.3	18 500	22 800
24.0	75.2	84.8	16 200	20 200
26.0	73.8	84.2	14 200	17 900
28.0	72.4	83.6	12 500	15 900
30.0	71.0	82.9	11 000	14 200
32.0	69.5	82.2	9 700	12 600
34.0	68.1	81.4	8 400	11 200
36.0	66.6	80.5	7 300	10 000
38.0	65.2	79.6	6 300	8 900
40.0	63.7	78.6	5 500	7 800
42.0	62.1	77.6	4 600	6 900
44.0	60.6	76.5	3 900	6 100
46.0	59.1	75.3	3 200	5 300
48.0	57.5	74.0	2 500	4 500
50.0	55.9	72.7	1 900	3 900
52.0	54.2	71.3		3 300
54.0	52.5	69.8		2 700
56.0	50.8	68.2		2 200

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Crawlers Retracted Kilograms	Boom Capacity Crawlers Extended Kilograms
88.4m (290 Ft.) Boom				
13.4	82.7	90.1	32 400 *	32 400 *
14.0	82.3	90.0	31 700	32 000 *
15.0	81.7	89.8	29 400	31 400 *
16.0	81.0	89.7	27 300	30 800 *
18.0	79.7	89.3	23 600	28 700
20.0	78.4	88.9	20 500	25 200
22.0	77.1	88.4	18 000	22 200
24.0	75.7	87.9	15 700	19 600
26.0	74.4	87.4	13 700	17 400
28.0	73.0	86.8	12 100	15 400
30.0	71.7	86.1	10 600	13 700
32.0	70.3	85.4	9 200	12 200
34.0	68.9	84.7	8 000	10 800
36.0	67.5	83.9	6 900	9 600
38.0	66.1	83.0	5 900	8 400
40.0	64.6	82.0	5 100	7 400
42.0	63.2	81.0	4 200	6 500
44.0	61.7	80.0	3 500	5 700
46.0	60.2	78.8	2 800	4 900
48.0	58.7	77.6	2 200	4 200
50.0	57.2	76.4		3 500
52.0	55.6	75.0		2 900
54.0	54.0	73.6		2 400

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Capacities indicated by (b) require 5 670 kg minimum weight.