

Liftcrane Boom Capacities

British
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 BS 1757 - 1986 clause 9, ISO 4305 and BS 2573 part 1 - 1983 tables 5(a) and 6(a). 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 BS 1757 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 length requires only the middle two sheaves in lower boom point. All other sheaves must be removed from lower boom point.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom 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. 177156** or **No. 177353** and Wire Rope Specification chart **No. 7905-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. Wind will

have a considerable effect on a load with a large 'sail area' and must be compensated for accordingly by reducing load ratings, reducing operating speeds or by a combination of both. Recommend stopping operation and lowering boom to approximately 70 degree boom angle when wind exceeds those shown in table. Lower boom 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. Refer to Maximum Allowable Travel Specification chart **No. 7808-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 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
m/s	Meters
14	21.3 - 64.0
10	67.1 - 79.2
7	82.3 - 88.4

Maximum Boom Length Lifted Unassisted			
Over Front of Blocked Crawlers	Over Rear of Blocked Crawlers	Over Side of Extended Crawlers	Over Side of Retracted Crawlers
Boom Length	Boom Length	Boom Length	Boom Length
(a) 88.4m 85.3m	(a) 85.3m 82.3m	(a) 79.2m 76.2m	70.1m
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 side of extended crawlers on 79.2m boom.			

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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		194 000 *b
5.5	81.1	23.4		175 000 *b
6.0	79.7	23.3		161 000 *b
7.0	77.0	23.1		138 700 *b
8.0	74.2	22.8		121 600 *
9.0	71.3	22.5		108 000 *
10.0	68.4	22.1		97 000 *
11.0	65.5	21.6		87 800
12.0	62.5	21.1		77 100
13.0	59.3	20.5		68 600
14.0	56.1	19.8		61 700
15.0	52.7	19.0	47 600	55 900
16.0	49.1	18.1	43 500	50 900
18.0	41.3	16.0	36 800	43 100
20.0	31.9	13.2	31 700	37 000
24.4m (80 Ft.) Boom				
5.2	83.0	26.6		183 800 *b
5.5	82.2	26.5		174 600 *b
6.0	81.0	26.4		160 700 *b
7.0	78.6	26.2		138 300 *b
8.0	76.2	26.0		121 300 *
9.0	73.8	25.7		107 700 *
10.0	71.3	25.3		96 700 *
11.0	68.8	24.9		87 500
12.0	66.2	24.5		77 100
13.0	63.5	24.0		68 600
14.0	60.9	23.4	52 400	61 700
15.0	58.1	22.8	47 600	55 800
16.0	55.2	22.1	43 400	50 900
18.0	49.1	20.4	36 800	43 100
20.0	42.4	18.4	31 700	37 000
22.0	34.5	15.7	27 600	32 300
24.0	24.5	11.9	24 200	28 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Crawlers Retracted Kilograms	Boom Capacity Crawlers Extended Kilograms
27.4m (90 Ft.) Boom				
5.8	82.5	29.6		165 500 *b
6.0	82.0	29.5		160 400 *b
7.0	79.9	29.3		138 100 *b
8.0	77.8	29.1		121 000 *
9.0	75.6	28.9		107 500 *
10.0	73.4	28.6		96 500 *
11.0	71.2	28.2		87 400
12.0	69.0	27.8		77 200
13.0	66.7	27.4	58 100	68 700
14.0	64.4	26.9	52 400	61 700
15.0	62.0	26.4	47 500	55 900
16.0	59.6	25.8	43 400	50 900
18.0	54.5	24.4	36 800	43 000
20.0	49.1	22.7	31 600	37 000
22.0	43.2	20.7	27 500	32 300
24.0	36.4	18.2	24 200	28 400
26.0	28.3	14.9	21 400	25 200
30.5m (100 Ft.) Boom				
6.1	82.7	32.6		157 900 *b
7.0	80.9	32.5		138 000 *b
8.0	79.0	32.3		120 900 *
9.0	77.1	32.0		107 300 *
10.0	75.1	31.7		96 400 *
11.0	73.2	31.4		87 200
12.0	71.2	31.1		77 300
13.0	69.2	30.7	58 200	68 700
14.0	67.1	30.3	52 400	61 700
15.0	65.1	29.8	47 600	55 900
16.0	62.9	29.3	43 400	51 000
18.0	58.6	28.1	36 800	43 100
20.0	54.0	26.7	31 700	37 100
22.0	49.1	25.0	27 600	32 300
24.0	43.8	23.1	24 200	28 500
26.0	37.9	20.6	21 500	25 200
28.0	31.0	17.6	19 100	22 500
30.0	22.2	13.4	17 100	20 200

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33.5m (110 Ft.) Boom				
6.7	82.3	35.6		143 700 *
7.0	81.8	35.5		138 000 *
8.0	80.0	35.4		120 600 *
9.0	78.3	35.2		107 100 *
10.0	76.5	34.9		96 100 *
11.0	74.8	34.6		87 000
12.0	73.0	34.3		77 300
13.0	71.2	34.0	58 100	68 600
14.0	69.3	33.6	52 300	61 600
15.0	67.5	33.2	47 400	55 800
16.0	65.6	32.7	43 300	50 900
18.0	61.7	31.7	36 600	43 000
20.0	57.7	30.4	31 500	37 000
22.0	53.5	29.0	27 400	32 200
24.0	49.1	27.3	24 100	28 300
26.0	44.3	25.4	21 300	25 100
28.0	39.0	23.0	19 000	22 400
30.0	33.1	20.2	16 900	20 100
32.0	25.8	16.5	15 200	18 100
36.6m (120 Ft.) Boom				
6.7	82.9	38.7		140 500 *
7.0	82.5	38.6		136 200 *
8.0	80.9	38.5		120 400 *
9.0	79.3	38.3		106 900 *
10.0	77.7	38.0		95 900 *
11.0	76.1	37.8		86 800
12.0	74.4	37.5	65 000	77 300
13.0	72.8	37.2	58 000	68 600
14.0	71.1	36.8	52 200	61 600
15.0	69.5	36.5	47 400	55 800
16.0	67.8	36.1	43 200	50 800
18.0	64.3	35.1	36 500	42 900
20.0	60.7	34.0	31 400	36 900
22.0	57.0	32.8	27 400	32 100
24.0	53.2	31.3	24 000	28 200
26.0	49.1	29.6	21 200	25 000
28.0	44.7	27.7	18 900	22 400
30.0	40.0	25.4	16 900	20 100
32.0	34.7	22.7	15 100	18 100
34.0	28.5	19.3	13 600	16 300
36.0	20.6	14.7	12 200	14 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Crawlers Retracted Kilograms	Boom Capacity Crawlers Extended Kilograms
39.6m (130 Ft.) Boom				
7.3	82.6	41.7		129 300 *
8.0	81.6	41.6		120 400 *
9.0	80.1	41.4		106 800 *
10.0	78.6	41.2		95 800 *
11.0	77.2	40.9	73 600	86 700
12.0	75.7	40.7	64 900	77 300
13.0	74.2	40.4	58 000	68 600
14.0	72.6	40.1	52 200	61 600
15.0	71.1	39.7	47 300	55 800
16.0	69.6	39.4	43 200	50 800
18.0	66.4	38.5	36 500	42 900
20.0	63.2	37.5	31 400	36 900
22.0	59.9	36.4	27 300	32 100
24.0	56.4	35.1	24 000	28 200
26.0	52.8	33.6	21 200	25 000
28.0	49.1	31.9	18 900	22 400
30.0	45.1	30.0	16 900	20 100
32.0	40.7	27.8	15 100	18 100
34.0	36.0	25.2	13 600	16 300
36.0	30.5	22.0	12 300	14 800
38.0	24.0	18.0	11 100	13 400



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42.7m (140 Ft.) Boom				
7.9	82.3	44.7		121 200 *
8.0	82.2	44.6		120 100 *
9.0	80.8	44.5		106 500 *
10.0	79.5	44.3		95 500 *
11.0	78.1	44.1	73 500	86 500
12.0	76.7	43.8	64 800	77 200
13.0	75.3	43.6	57 900	68 500
14.0	73.9	43.3	52 100	61 500
15.0	72.5	43.0	47 200	55 600
16.0	71.1	42.6	43 100	50 700
18.0	68.2	41.8	36 400	42 800
20.0	65.3	40.9	31 300	36 800
22.0	62.2	39.9	27 200	32 000
24.0	59.1	38.7	23 900	28 100
26.0	55.9	37.4	21 100	24 900
28.0	52.6	35.9	18 800	22 200
30.0	49.1	34.2	16 800	19 900
32.0	45.4	32.3	15 000	18 000
34.0	41.4	30.1	13 500	16 200
36.0	37.0	27.6	12 200	14 700
38.0	32.2	24.6	11 000	13 300
40.0	26.6	20.9	9 900	12 100
42.0	19.4	16.0	8 900	11 000

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		110 700 *
8.0	82.7	47.7		110 400 *
9.0	81.4	47.6		105 500 *
10.0	80.2	47.4		95 200 *
11.0	78.9	47.2	73 300	86 100
12.0	77.6	47.0	64 700	77 200
13.0	76.3	46.7	57 700	68 400
14.0	75.0	46.4	51 900	61 400
15.0	73.7	46.2	47 000	55 500
16.0	72.4	45.8	42 900	50 500
18.0	69.7	45.1	36 200	42 600
20.0	67.0	44.3	31 100	36 600
22.0	64.3	43.3	27 000	31 800
24.0	61.4	42.3	23 700	27 900
26.0	58.5	41.1	20 900	24 700
28.0	55.5	39.7	18 600	22 000
30.0	52.3	38.2	16 500	19 700
32.0	49.1	36.5	14 800	17 700
34.0	45.6	34.6	13 300	16 000
36.0	41.9	32.5	12 000	14 500
38.0	37.9	30.0	10 800	13 100
40.0	33.6	27.2	9 700	11 900
42.0	28.6	23.7	8 700	10 800
44.0	22.6	19.4	7 800	9 800

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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Crawlers Retracted Kilograms	Boom Capacity Crawlers Extended Kilograms
48.8m (160 Ft.) Boom				
8.5	82.5	50.7		103 800 *
9.0	82.0	50.7		102 000 *
10.0	80.8	50.5	84 400	95 300 *
11.0	79.6	50.3	73 200	85 900
12.0	78.4	50.1	64 500	77 000
13.0	77.2	49.9	57 500	68 300
14.0	76.0	49.6	51 800	61 200
15.0	74.8	49.3	46 900	55 400
16.0	73.5	49.0	42 800	50 400
18.0	71.1	48.4	36 000	42 400
20.0	68.5	47.6	30 900	36 400
22.0	66.0	46.7	26 800	31 600
24.0	63.4	45.7	23 500	27 700
26.0	60.7	44.6	20 700	24 500
28.0	57.9	43.4	18 400	21 900
30.0	55.1	42.1	16 400	19 600
32.0	52.1	40.5	14 600	17 600
34.0	49.1	38.8	13 100	15 800
36.0	45.8	37.0	11 800	14 300
38.0	42.4	34.8	10 600	13 000
40.0	38.7	32.4	9 500	11 700
42.0	34.7	29.7	8 600	10 700
44.0	30.2	26.4	7 700	9 700
46.0	25.0	22.5	6 900	8 800
48.0	18.5	17.3	6 100	7 900

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		96 800 *
9.0	82.5	53.7		95 400 *
10.0	81.3	53.6	84 300	92 400 *
11.0	80.2	53.4	73 200	85 700
12.0	79.1	53.2	64 500	77 000
13.0	78.0	53.0	57 500	68 200
14.0	76.8	52.8	51 700	61 100
15.0	75.7	52.5	46 800	55 300
16.0	74.5	52.2	42 700	50 300
18.0	72.2	51.6	35 900	42 400
20.0	69.9	50.9	30 800	36 300
22.0	67.5	50.1	26 700	31 500
24.0	65.1	49.2	23 400	27 600
26.0	62.6	48.1	20 600	24 400
28.0	60.0	47.0	18 300	21 800
30.0	57.4	45.8	16 300	19 500
32.0	54.7	44.4	14 600	17 500
34.0	52.0	42.8	13 000	15 800
36.0	49.1	41.1	11 700	14 200
38.0	46.0	39.3	10 500	12 900
40.0	42.8	37.2	9 400	11 700
42.0	39.4	34.8	8 500	10 600
44.0	35.7	32.1	7 600	9 600
46.0	31.6	29.1	6 800	8 700
48.0	27.0	25.4	6 100	7 900
50.0	21.5	20.8	5 400	7 100



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54.9m (180 Ft.) Boom				
9.1	82.7	56.8	90 300 *	90 300 *
10.0	81.8	56.7	84 300	87 900 *
11.0	80.8	56.5	73 000	85 100 *
12.0	79.7	56.3	64 300	76 900
13.0	78.6	56.1	57 300	68 000
14.0	77.6	55.9	51 500	61 000
15.0	76.5	55.6	46 600	55 100
16.0	75.4	55.4	42 500	50 100
18.0	73.2	54.8	35 800	42 200
20.0	71.0	54.1	30 600	36 100
22.0	68.8	53.4	26 500	31 300
24.0	66.5	52.5	23 200	27 500
26.0	64.2	51.6	20 400	24 300
28.0	61.9	50.5	18 100	21 600
30.0	59.5	49.4	16 100	19 300
32.0	57.0	48.1	14 300	17 300
34.0	54.4	46.7	12 900	15 600
36.0	51.8	45.1	11 500	14 000
38.0	49.0	43.4	10 300	12 700
40.0	46.2	41.6	9 200	11 500
42.0	43.2	39.5	8 300	10 400
44.0	40.0	37.2	7 400	9 400
46.0	36.6	34.6	6 600	8 500
48.0	32.8	31.6	5 900	7 700
50.0	28.6	28.2	5 200	6 900
52.0	23.8	24.0	4 600	6 200

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	82 100 *	82 100 *
10.0	82.3	59.8	80 900	81 500 *
11.0	81.3	59.6	72 900	79 300 *
12.0	80.3	59.4	64 200	76 000
13.0	79.2	59.2	57 100	67 900
14.0	78.2	59.0	51 300	60 900
15.0	77.2	58.8	46 500	55 000
16.0	76.2	58.5	42 300	50 000
18.0	74.2	58.0	35 600	42 000
20.0	72.1	57.3	30 400	35 900
22.0	70.0	56.6	26 300	31 100
24.0	67.8	55.8	23 000	27 200
26.0	65.7	54.9	20 200	24 000
28.0	63.5	54.0	17 800	21 300
30.0	61.2	52.9	15 800	19 000
32.0	58.9	51.7	14 100	17 100
34.0	56.6	50.4	12 600	15 300
36.0	54.1	49.0	11 300	13 800
38.0	51.6	47.4	10 100	12 400
40.0	49.0	45.7	9 000	11 300
42.0	46.3	43.9	8 000	10 200
44.0	43.5	41.8	7 200	9 200
46.0	40.5	39.6	6 400	8 300
48.0	37.3	37.0	5 700	7 500
50.0	33.9	34.2	5 000	6 700
52.0	30.0	30.9	4 400	6 000
54.0	25.7	27.0	3 800	5 400
56.0	20.5	22.1	3 300	4 800

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61.0m (200 Ft.) Boom				
9.8	82.9	62.9	77 500 *	77 500 *
10.0	82.7	62.8	77 000 *	77 000 *
11.0	81.7	62.7	72 500	74 900 *
12.0	80.7	62.5	64 000	72 800 *
13.0	79.8	62.3	56 900	68 000
14.0	78.8	62.1	51 100	60 700
15.0	77.9	61.9	46 300	54 800
16.0	76.9	61.7	42 100	49 800
18.0	75.0	61.2	35 400	41 800
20.0	73.0	60.6	30 200	35 700
22.0	71.0	59.9	26 100	30 900
24.0	69.0	59.1	22 700	27 000
26.0	67.0	58.3	20 000	23 900
28.0	64.9	57.4	17 600	21 100
30.0	62.8	56.4	15 600	18 800
32.0	60.7	55.3	13 900	16 800
34.0	58.5	54.1	12 400	15 100
36.0	56.2	52.7	11 000	13 600
38.0	53.9	51.3	9 900	12 300
40.0	51.5	49.7	8 800	11 000
42.0	49.0	48.0	7 800	9 900
44.0	46.5	46.2	7 000	9 000
46.0	43.8	44.2	6 200	8 100
48.0	41.0	41.9	5 500	7 300
50.0	38.0	39.4	4 800	6 500
52.0	34.8	36.6	4 200	5 800
54.0	31.2	33.5	3 600	5 200
56.0	27.3	29.8	3 100	4 600
58.0	22.8	25.4	2 600	4 100

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	71 900 *	71 900 *
11.0	82.1	65.8	70 800	70 800 *
12.0	81.2	65.6	63 900	69 100 *
13.0	80.3	65.4	56 800	67 000
14.0	79.4	65.2	51 000	60 600
15.0	78.5	65.0	46 100	54 700
16.0	77.5	64.8	41 900	49 600
18.0	75.7	64.3	35 200	41 700
20.0	73.8	63.7	30 100	35 600
22.0	72.0	63.1	25 900	30 800
24.0	70.1	62.4	22 600	26 900
26.0	68.1	61.6	19 800	23 700
28.0	66.2	60.7	17 500	21 000
30.0	64.2	59.8	15 400	18 700
32.0	62.2	58.8	13 700	16 700
34.0	60.1	57.6	12 200	15 000
36.0	58.0	56.4	10 900	13 500
38.0	55.9	55.1	9 700	12 100
40.0	53.7	53.6	8 600	10 900
42.0	51.4	52.0	7 700	9 800
44.0	49.0	50.3	6 800	8 800
46.0	46.6	48.5	6 000	7 900
48.0	44.1	46.5	5 300	7 100
50.0	41.4	44.3	4 700	6 400
52.0	38.6	41.8	4 000	5 700
54.0	35.6	39.1	3 500	5 100
56.0	32.3	36.1	3 000	4 500
58.0	28.7	32.6	2 500	3 900
60.0	24.6	28.5	2 000	3 400
62.0	19.7	23.4		2 900



Liftcrane Boom Capacities

 British
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	66 900 *	66 900 *
11.0	82.5	68.8	66 400 *	66 400 *
12.0	81.6	68.7	63 500	64 800 *
13.0	80.7	68.5	56 600	63 200 *
14.0	79.9	68.3	50 800	60 300
15.0	79.0	68.2	45 900	54 500
16.0	78.1	67.9	41 700	49 500
18.0	76.4	67.5	35 000	41 500
20.0	74.6	66.9	29 900	35 400
22.0	72.8	66.3	25 700	30 600
24.0	71.0	65.6	22 400	26 700
26.0	69.2	64.9	19 600	23 500
28.0	67.3	64.1	17 200	20 800
30.0	65.5	63.2	15 300	18 500
32.0	63.6	62.2	13 500	16 500
34.0	61.6	61.1	12 000	14 800
36.0	59.6	60.0	10 700	13 200
38.0	57.6	58.7	9 500	11 900
40.0	55.6	57.4	8 400	10 700
42.0	53.5	55.9	7 500	9 600
44.0	51.3	54.4	6 600	8 600
46.0	49.0	52.6	5 800	7 700
48.0	46.7	50.8	5 100	6 900
50.0	44.3	48.8	4 400	6 200
52.0	41.8	46.6	3 800	5 500
54.0	39.1	44.2	3 300	4 800
56.0	36.3	41.6	2 700	4 300
58.0	33.2	38.6	2 200	3 700
60.0	29.9	35.3		3 200
62.0	26.2	31.4		2 700
64.0	21.9	26.8		2 300

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	60 500 *	60 500 *
12.0	82.0	71.8	60 300 *	60 300 *
13.0	81.1	71.6	56 700	59 400 *
14.0	80.3	71.4	50 600	57 900 *
15.0	79.5	71.3	45 700	54 600
16.0	78.6	71.1	41 600	49 300
18.0	77.0	70.6	34 800	41 300
20.0	75.3	70.1	29 600	35 200
22.0	73.6	69.5	25 500	30 400
24.0	71.9	68.9	22 200	26 500
26.0	70.1	68.2	19 400	23 300
28.0	68.4	67.4	17 000	20 500
30.0	66.6	66.5	15 000	18 200
32.0	64.8	65.6	13 200	16 200
34.0	63.0	64.6	11 800	14 500
36.0	61.1	63.5	10 400	13 000
38.0	59.2	62.3	9 200	11 600
40.0	57.3	61.1	8 200	10 400
42.0	55.3	59.7	7 200	9 300
44.0	53.3	58.2	6 300	8 300
46.0	51.2	56.7	5 600	7 500
48.0	49.0	54.9	4 800	6 600
50.0	46.8	53.1	4 200	5 900
52.0	44.5	51.1	3 600	5 200
54.0	42.1	48.9	3 000	4 600
56.0	39.6	46.6	2 500	4 000
58.0	36.9	44.0		3 500
60.0	34.0	41.1		2 900
62.0	30.9	37.9		2 500
64.0	27.5	34.3		2 000

Liftcrane Boom Capacities

 British
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	55 000 *	55 000 *
12.0	82.3	74.9	54 900 *	54 900 *
13.0	81.5	74.7	54 500	54 600 *
14.0	80.7	74.5	50 500	54 400 *
15.0	79.9	74.4	45 500	53 300
16.0	79.1	74.2	41 300	50 100
18.0	77.5	73.7	34 600	41 100
20.0	75.9	73.2	29 400	35 000
22.0	74.3	72.7	25 300	30 200
24.0	72.6	72.1	21 900	26 200
26.0	71.0	71.4	19 200	23 000
28.0	69.3	70.7	16 800	20 300
30.0	67.6	69.8	14 800	18 000
32.0	65.9	69.0	13 000	16 000
34.0	64.2	68.0	11 500	14 300
36.0	62.4	67.0	10 200	12 800
38.0	60.6	65.9	9 000	11 400
40.0	58.8	64.7	7 900	10 200
42.0	56.9	63.4	7 000	9 100
44.0	55.0	62.0	6 100	8 100
46.0	53.1	60.5	5 300	7 200
48.0	51.1	59.0	4 600	6 400
50.0	49.0	57.2	3 900	5 700
52.0	46.9	55.4	3 300	5 000
54.0	44.7	53.4	2 800	4 400
56.0	42.4	51.3	2 200	3 800
58.0	40.0	49.0		3 200
60.0	37.5	46.4		2 700
62.0	34.8	43.6		2 200
64.0	31.9	40.5		1 800

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	49 900 *	49 900 *
12.0	82.6	77.9	49 800 *	49 800 *
13.0	81.9	77.8	49 600 *	49 600 *
14.0	81.1	77.6	49 400 *	49 400 *
15.0	80.3	77.5	45 800	49 100 *
16.0	79.6	77.3	41 400	48 000
18.0	78.0	76.9	34 700	41 500
20.0	76.5	76.4	29 500	35 100
22.0	74.9	75.9	25 400	30 300
24.0	73.4	75.3	22 000	26 300
26.0	71.8	74.6	19 200	23 100
28.0	70.2	73.9	16 900	20 400
30.0	68.6	73.1	14 900	18 100
32.0	66.9	72.3	13 100	16 100
34.0	65.3	71.4	11 600	14 400
36.0	63.6	70.4	10 300	12 800
38.0	61.9	69.4	9 100	11 500
40.0	60.2	68.2	8 000	10 300
42.0	58.4	67.0	7 000	9 200
44.0	56.6	65.7	6 200	8 200
46.0	54.8	64.3	5 400	7 300
48.0	52.9	62.8	4 700	6 500
50.0	51.0	61.3	4 000	5 800
52.0	49.0	59.5	3 400	5 100
54.0	47.0	57.7	2 900	4 500
56.0	44.9	55.7	2 400	3 900
58.0	42.7	53.6		3 300
60.0	40.4	51.3		2 800
62.0	38.0	48.8		2 300
64.0	35.4	46.1		1 900

Liftcrane Boom Capacities

 British
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
79.2m (260 Ft.) Boom				
12.2	82.8	81.0	45 500 *	45 500 *
13.0	82.2	80.9	45 400 *	45 400 *
14.0	81.4	80.7	45 100 *	45 100 *
15.0	80.7	80.6	44 700	44 900 *
16.0	80.0	80.4	42 200	44 600 *
18.0	78.5	80.0	34 500	41 200
20.0	77.0	79.5	29 300	34 900
22.0	75.5	79.0	25 200	30 000
24.0	74.0	78.5	21 800	26 100
26.0	72.5	77.8	19 000	22 900
28.0	71.0	77.2	16 600	20 200
30.0	69.4	76.4	14 600	17 900
32.0	67.9	75.6	12 900	15 900
34.0	66.3	74.8	11 400	14 100
36.0	64.7	73.8	10 000	12 600
38.0	63.1	72.8	8 800	11 300
40.0	61.5	71.7	7 800	10 000
42.0	59.8	70.6	6 800	9 000
44.0	58.1	69.4	6 000	8 000
46.0	56.4	68.1	5 200	7 100
48.0	54.6	66.7	4 500	6 300
50.0	52.8	65.2	3 800	5 500
52.0	50.9	63.6	3 200	4 900
54.0	49.0	61.8	2 600	4 200
56.0	47.1	60.0	2 100	3 600
58.0	45.0	58.1		3 100
60.0	42.9	56.0		2 600
62.0	40.8	53.7		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	41 600 *	41 600 *
13.0	82.5	84.0	41 500 *	41 500 *
14.0	81.8	83.8	41 200 *	41 200 *
15.0	81.1	83.6	41 000 *	41 000 *
16.0	80.3	83.5	40 000	40 800 *
18.0	78.9	83.1	34 500	40 000
20.0	77.5	82.7	29 100	34 700
22.0	76.1	82.2	24 900	29 800
24.0	74.6	81.6	21 600	25 900
26.0	73.2	81.0	18 700	22 700
28.0	71.7	80.4	16 400	19 900
30.0	70.2	79.7	14 400	17 600
32.0	68.7	78.9	12 700	15 600
34.0	67.2	78.1	11 100	13 900
36.0	65.7	77.2	9 800	12 400
38.0	64.2	76.2	8 600	11 000
40.0	62.6	75.2	7 500	9 800
42.0	61.0	74.1	6 500	8 700
44.0	59.4	72.9	5 700	7 700
46.0	57.8	71.7	4 900	6 800
48.0	56.1	70.4	4 200	6 000
50.0	54.4	69.0	3 500	5 300
52.0	52.6	67.5	2 900	4 600
54.0	50.9	65.9	2 400	4 000
56.0	49.0	64.1		3 400
58.0	47.1	62.3		2 800
60.0	45.2	60.4		2 300

Liftcrane Boom Capacities

 British
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
85.3m (280 Ft.) Boom				
12.8	82.9	87.1	37 600 *	37 600 *
13.0	82.7	87.0	37 600 *	37 600 *
14.0	82.1	86.9	37 400 *	37 400 *
15.0	81.4	86.7	37 200 *	37 200 *
16.0	80.7	86.6	36 900 *	36 900 *
18.0	79.3	86.2	34 200	36 500 *
20.0	78.0	85.8	28 900	34 600
22.0	76.6	85.3	24 700	29 600
24.0	75.2	84.8	21 300	25 600
26.0	73.8	84.2	18 500	22 400
28.0	72.4	83.6	16 100	19 700
30.0	71.0	82.9	14 100	17 400
32.0	69.5	82.2	12 400	15 400
34.0	68.1	81.4	10 900	13 700
36.0	66.6	80.5	9 500	12 100
38.0	65.2	79.6	8 300	10 800
40.0	63.7	78.6	7 300	9 500
42.0	62.1	77.6	6 300	8 400
44.0	60.6	76.5	5 400	7 500
46.0	59.1	75.3	4 700	6 600
48.0	57.5	74.0	3 900	5 800
50.0	55.9	72.7	3 300	5 000
52.0	54.2	71.3	2 700	4 300
54.0	52.5	69.8	2 100	3 700
56.0	50.8	68.2		3 100
58.0	49.0	66.4		2 600
60.0	47.2	64.6		2 100

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	34 400 *	34 400 *
14.0	82.3	90.0	34 200 *	34 200 *
15.0	81.7	89.8	34 000 *	34 000 *
16.0	81.0	89.7	33 900 *	33 900 *
18.0	79.7	89.3	33 200 *	33 200 *
20.0	78.4	88.9	29 100	32 000 *
22.0	77.1	88.4	24 900	30 100
24.0	75.7	87.9	21 500	25 800
26.0	74.4	87.4	18 700	22 600
28.0	73.0	86.8	16 300	19 900
30.0	71.7	86.1	14 300	17 600
32.0	70.3	85.4	12 600	15 600
34.0	68.9	84.7	11 000	13 800
36.0	67.5	83.9	9 700	12 300
38.0	66.1	83.0	8 500	10 900
40.0	64.6	82.0	7 400	9 700
42.0	63.2	81.0	6 500	8 600
44.0	61.7	80.0	5 600	7 700
46.0	60.2	78.8	4 800	6 800
48.0	58.7	77.6	4 100	6 000
50.0	57.2	76.4	3 400	5 200
52.0	55.6	75.0	2 800	4 500
54.0	54.0	73.6	2 300	3 900
56.0	52.4	72.1		3 300
58.0	50.7	70.5		2 800
60.0	49.0	68.7		2 300