

Liftcrane Boom Capacities

British
Standards

888 SERIES 1

Boom No. 22EL
65 360 kg 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 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 and 65 360 kg counterweight.

| Wind Limits During Operation | |
|------------------------------|-------------|
| Maximum Wind Velocity | Boom Length |
| m\s | Meters |
| 14 | 21.3 - 64.0 |
| 10 | 67.1 - 76.2 |

| 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) 76.2m 73.2m | (a) 73.2m 70.1m | 67.1m | 61.0m |
| Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be used on 76.2m boom and cannot be lifted over rear of blocked crawlers on 73.2m 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 | | 184 300 *b |
| 5.0 | 82.5 | 23.5 | | 180 200 *b |
| 5.5 | 81.1 | 23.4 | | 164 600 *b |
| 6.0 | 79.7 | 23.3 | | 151 400 *b |
| 7.0 | 77.0 | 23.1 | | 130 300 *b |
| 8.0 | 74.2 | 22.8 | | 113 900 |
| 9.0 | 71.3 | 22.5 | | 95 400 |
| 10.0 | 68.4 | 22.1 | | 80 400 |
| 11.0 | 65.5 | 21.6 | | 69 400 |
| 12.0 | 62.5 | 21.1 | | 60 800 |
| 13.0 | 59.3 | 20.5 | 45 700 | 54 000 |
| 14.0 | 56.1 | 19.8 | 41 000 | 48 400 |
| 15.0 | 52.7 | 19.0 | 37 100 | 43 700 |
| 16.0 | 49.1 | 18.1 | 33 700 | 39 700 |
| 18.0 | 41.3 | 16.0 | 28 400 | 33 400 |
| 20.0 | 31.9 | 13.2 | 24 200 | 28 500 |
| 24.4m (80 Ft.) Boom | | | | |
| 5.2 | 83.0 | 26.6 | | 173 800 *b |
| 5.5 | 82.2 | 26.5 | | 164 200 *b |
| 6.0 | 81.0 | 26.4 | | 151 100 *b |
| 7.0 | 78.6 | 26.2 | | 130 000 *b |
| 8.0 | 76.2 | 26.0 | | 113 700 |
| 9.0 | 73.8 | 25.7 | | 95 600 |
| 10.0 | 71.3 | 25.3 | | 80 500 |
| 11.0 | 68.8 | 24.9 | | 69 500 |
| 12.0 | 66.2 | 24.5 | | 60 900 |
| 13.0 | 63.5 | 24.0 | 45 600 | 54 000 |
| 14.0 | 60.9 | 23.4 | 41 000 | 48 400 |
| 15.0 | 58.1 | 22.8 | 37 000 | 43 700 |
| 16.0 | 55.2 | 22.1 | 33 700 | 39 700 |
| 18.0 | 49.1 | 20.4 | 28 300 | 33 300 |
| 20.0 | 42.4 | 18.4 | 24 200 | 28 500 |
| 22.0 | 34.5 | 15.7 | 20 800 | 24 600 |
| 24.0 | 24.5 | 11.9 | 18 100 | 21 400 |

| 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 | | 156 100 *b |
| 6.0 | 82.0 | 29.5 | | 150 900 *b |
| 7.0 | 79.9 | 29.3 | | 129 800 *b |
| 8.0 | 77.8 | 29.1 | | 113 500 |
| 9.0 | 75.6 | 28.9 | | 95 800 |
| 10.0 | 73.4 | 28.6 | | 80 600 |
| 11.0 | 71.2 | 28.2 | | 69 600 |
| 12.0 | 69.0 | 27.8 | 51 300 | 60 900 |
| 13.0 | 66.7 | 27.4 | 45 600 | 54 000 |
| 14.0 | 64.4 | 26.9 | 41 000 | 48 400 |
| 15.0 | 62.0 | 26.4 | 37 000 | 43 700 |
| 16.0 | 59.6 | 25.8 | 33 700 | 39 700 |
| 18.0 | 54.5 | 24.4 | 28 300 | 33 300 |
| 20.0 | 49.1 | 22.7 | 24 100 | 28 500 |
| 22.0 | 43.2 | 20.7 | 20 800 | 24 600 |
| 24.0 | 36.4 | 18.2 | 18 100 | 21 400 |
| 26.0 | 28.3 | 14.9 | 15 800 | 18 800 |
| 30.5m (100 Ft.) Boom | | | | |
| 6.1 | 82.7 | 32.6 | | 148 400 *b |
| 7.0 | 80.9 | 32.5 | | 129 600 *b |
| 8.0 | 79.0 | 32.3 | | 113 400 |
| 9.0 | 77.1 | 32.0 | | 95 900 |
| 10.0 | 75.1 | 31.7 | | 80 700 |
| 11.0 | 73.2 | 31.4 | 58 200 | 69 600 |
| 12.0 | 71.2 | 31.1 | 51 200 | 61 000 |
| 13.0 | 69.2 | 30.7 | 45 600 | 54 100 |
| 14.0 | 67.1 | 30.3 | 41 000 | 48 500 |
| 15.0 | 65.1 | 29.8 | 37 000 | 43 700 |
| 16.0 | 62.9 | 29.3 | 33 700 | 39 700 |
| 18.0 | 58.6 | 28.1 | 28 300 | 33 400 |
| 20.0 | 54.0 | 26.7 | 24 200 | 28 500 |
| 22.0 | 49.1 | 25.0 | 20 800 | 24 600 |
| 24.0 | 43.8 | 23.1 | 18 200 | 21 500 |
| 26.0 | 37.9 | 20.6 | 15 900 | 18 900 |
| 28.0 | 31.0 | 17.6 | 13 900 | 16 700 |
| 30.0 | 22.2 | 13.4 | 12 300 | 14 800 |



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|-----------------------------|----------------|-------------------------|--|---|
| 33.5m (110 Ft.) Boom | | | | |
| 6.7 | 82.3 | 35.6 | | 135 000 * |
| 7.0 | 81.8 | 35.5 | | 129 600 * |
| 8.0 | 80.0 | 35.4 | | 113 100 |
| 9.0 | 78.3 | 35.2 | | 96 000 |
| 10.0 | 76.5 | 34.9 | | 80 700 |
| 11.0 | 74.8 | 34.6 | 58 200 | 69 600 |
| 12.0 | 73.0 | 34.3 | 51 200 | 60 900 |
| 13.0 | 71.2 | 34.0 | 45 500 | 54 000 |
| 14.0 | 69.3 | 33.6 | 40 900 | 48 400 |
| 15.0 | 67.5 | 33.2 | 36 900 | 43 700 |
| 16.0 | 65.6 | 32.7 | 33 600 | 39 600 |
| 18.0 | 61.7 | 31.7 | 28 200 | 33 200 |
| 20.0 | 57.7 | 30.4 | 24 000 | 28 400 |
| 22.0 | 53.5 | 29.0 | 20 700 | 24 500 |
| 24.0 | 49.1 | 27.3 | 18 000 | 21 400 |
| 26.0 | 44.3 | 25.4 | 15 700 | 18 800 |
| 28.0 | 39.0 | 23.0 | 13 800 | 16 600 |
| 30.0 | 33.1 | 20.2 | 12 200 | 14 700 |
| 32.0 | 25.8 | 16.5 | 10 700 | 13 100 |
| 36.6m (120 Ft.) Boom | | | | |
| 6.7 | 82.9 | 38.7 | | 134 800 * |
| 7.0 | 82.5 | 38.6 | | 129 400 * |
| 8.0 | 80.9 | 38.5 | | 112 900 |
| 9.0 | 79.3 | 38.3 | | 96 000 |
| 10.0 | 77.7 | 38.0 | | 80 700 |
| 11.0 | 76.1 | 37.8 | 58 100 | 69 600 |
| 12.0 | 74.4 | 37.5 | 51 100 | 60 900 |
| 13.0 | 72.8 | 37.2 | 45 400 | 54 000 |
| 14.0 | 71.1 | 36.8 | 40 800 | 48 300 |
| 15.0 | 69.5 | 36.5 | 36 900 | 43 600 |
| 16.0 | 67.8 | 36.1 | 33 500 | 39 600 |
| 18.0 | 64.3 | 35.1 | 28 100 | 33 200 |
| 20.0 | 60.7 | 34.0 | 24 000 | 28 300 |
| 22.0 | 57.0 | 32.8 | 20 600 | 24 400 |
| 24.0 | 53.2 | 31.3 | 17 900 | 21 300 |
| 26.0 | 49.1 | 29.6 | 15 700 | 18 700 |
| 28.0 | 44.7 | 27.7 | 13 800 | 16 500 |
| 30.0 | 40.0 | 25.4 | 12 100 | 14 700 |
| 32.0 | 34.7 | 22.7 | 10 700 | 13 000 |
| 34.0 | 28.5 | 19.3 | 9 500 | 11 600 |
| 36.0 | 20.6 | 14.7 | 8 300 | 10 300 |

| 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 | | 123 500 * |
| 8.0 | 81.6 | 41.6 | | 112 800 |
| 9.0 | 80.1 | 41.4 | | 96 100 |
| 10.0 | 78.6 | 41.2 | 67 100 | 80 800 |
| 11.0 | 77.2 | 40.9 | 58 100 | 69 600 |
| 12.0 | 75.7 | 40.7 | 51 100 | 60 900 |
| 13.0 | 74.2 | 40.4 | 45 400 | 54 000 |
| 14.0 | 72.6 | 40.1 | 40 800 | 48 300 |
| 15.0 | 71.1 | 39.7 | 36 800 | 43 600 |
| 16.0 | 69.6 | 39.4 | 33 400 | 39 600 |
| 18.0 | 66.4 | 38.5 | 28 100 | 33 200 |
| 20.0 | 63.2 | 37.5 | 23 900 | 28 300 |
| 22.0 | 59.9 | 36.4 | 20 600 | 24 400 |
| 24.0 | 56.4 | 35.1 | 17 900 | 21 300 |
| 26.0 | 52.8 | 33.6 | 15 600 | 18 700 |
| 28.0 | 49.1 | 31.9 | 13 800 | 16 500 |
| 30.0 | 45.1 | 30.0 | 12 100 | 14 700 |
| 32.0 | 40.7 | 27.8 | 10 700 | 13 100 |
| 34.0 | 36.0 | 25.2 | 9 500 | 11 600 |
| 36.0 | 30.5 | 22.0 | 8 400 | 10 400 |
| 38.0 | 24.0 | 18.0 | 7 300 | 9 300 |



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|-----------------------------|----------------|-------------------------|--|---|
| 42.7m (140 Ft.) Boom | | | | |
| 7.9 | 82.3 | 44.7 | | 113 800 * |
| 8.0 | 82.2 | 44.6 | | 112 600 |
| 9.0 | 80.8 | 44.5 | | 96 000 |
| 10.0 | 79.5 | 44.3 | 66 900 | 80 700 |
| 11.0 | 78.1 | 44.1 | 58 000 | 69 500 |
| 12.0 | 76.7 | 43.8 | 51 000 | 60 800 |
| 13.0 | 75.3 | 43.6 | 45 300 | 53 900 |
| 14.0 | 73.9 | 43.3 | 40 600 | 48 200 |
| 15.0 | 72.5 | 43.0 | 36 700 | 43 500 |
| 16.0 | 71.1 | 42.6 | 33 400 | 39 500 |
| 18.0 | 68.2 | 41.8 | 27 900 | 33 100 |
| 20.0 | 65.3 | 40.9 | 23 800 | 28 200 |
| 22.0 | 62.2 | 39.9 | 20 500 | 24 300 |
| 24.0 | 59.1 | 38.7 | 17 800 | 21 200 |
| 26.0 | 55.9 | 37.4 | 15 500 | 18 600 |
| 28.0 | 52.6 | 35.9 | 13 600 | 16 400 |
| 30.0 | 49.1 | 34.2 | 12 000 | 14 500 |
| 32.0 | 45.4 | 32.3 | 10 600 | 12 900 |
| 34.0 | 41.4 | 30.1 | 9 300 | 11 500 |
| 36.0 | 37.0 | 27.6 | 8 300 | 10 300 |
| 38.0 | 32.2 | 24.6 | 7 300 | 9 200 |
| 40.0 | 26.6 | 20.9 | 6 400 | 8 200 |
| 42.0 | 19.4 | 16.0 | 5 600 | 7 200 |

| 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 | | 110 700 * |
| 8.0 | 82.7 | 47.7 | | 109 800 |
| 9.0 | 81.4 | 47.6 | | 95 900 |
| 10.0 | 80.2 | 47.4 | 66 800 | 80 700 |
| 11.0 | 78.9 | 47.2 | 57 900 | 69 400 |
| 12.0 | 77.6 | 47.0 | 50 900 | 60 700 |
| 13.0 | 76.3 | 46.7 | 45 200 | 53 800 |
| 14.0 | 75.0 | 46.4 | 40 500 | 48 100 |
| 15.0 | 73.7 | 46.2 | 36 500 | 43 300 |
| 16.0 | 72.4 | 45.8 | 33 200 | 39 300 |
| 18.0 | 69.7 | 45.1 | 27 800 | 32 900 |
| 20.0 | 67.0 | 44.3 | 23 600 | 28 000 |
| 22.0 | 64.3 | 43.3 | 20 300 | 24 100 |
| 24.0 | 61.4 | 42.3 | 17 600 | 21 000 |
| 26.0 | 58.5 | 41.1 | 15 300 | 18 400 |
| 28.0 | 55.5 | 39.7 | 13 400 | 16 200 |
| 30.0 | 52.3 | 38.2 | 11 800 | 14 300 |
| 32.0 | 49.1 | 36.5 | 10 400 | 12 700 |
| 34.0 | 45.6 | 34.6 | 9 100 | 11 300 |
| 36.0 | 41.9 | 32.5 | 8 000 | 10 100 |
| 38.0 | 37.9 | 30.0 | 7 100 | 9 000 |
| 40.0 | 33.6 | 27.2 | 6 200 | 8 000 |
| 42.0 | 28.6 | 23.7 | 5 400 | 7 100 |
| 44.0 | 22.6 | 19.4 | 4 600 | 6 200 |



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|-----------------------------|----------------|-------------------------|--|---|
| 48.8m (160 Ft.) Boom | | | | |
| 8.5 | 82.5 | 50.7 | 84 000 | 102 200 |
| 9.0 | 82.0 | 50.7 | 78 200 | 94 700 |
| 10.0 | 80.8 | 50.5 | 66 700 | 80 700 |
| 11.0 | 79.6 | 50.3 | 57 700 | 69 400 |
| 12.0 | 78.4 | 50.1 | 50 700 | 60 600 |
| 13.0 | 77.2 | 49.9 | 45 000 | 53 700 |
| 14.0 | 76.0 | 49.6 | 40 300 | 48 000 |
| 15.0 | 74.8 | 49.3 | 36 400 | 43 200 |
| 16.0 | 73.5 | 49.0 | 33 000 | 39 200 |
| 18.0 | 71.1 | 48.4 | 27 600 | 32 700 |
| 20.0 | 68.5 | 47.6 | 23 400 | 27 800 |
| 22.0 | 66.0 | 46.7 | 20 100 | 23 900 |
| 24.0 | 63.4 | 45.7 | 17 400 | 20 800 |
| 26.0 | 60.7 | 44.6 | 15 100 | 18 200 |
| 28.0 | 57.9 | 43.4 | 13 200 | 16 000 |
| 30.0 | 55.1 | 42.1 | 11 600 | 14 200 |
| 32.0 | 52.1 | 40.5 | 10 200 | 12 600 |
| 34.0 | 49.1 | 38.8 | 9 000 | 11 200 |
| 36.0 | 45.8 | 37.0 | 7 900 | 9 900 |
| 38.0 | 42.4 | 34.8 | 6 900 | 8 800 |
| 40.0 | 38.7 | 32.4 | 6 100 | 7 800 |
| 42.0 | 34.7 | 29.7 | 5 200 | 6 900 |
| 44.0 | 30.2 | 26.4 | 4 500 | 6 100 |
| 46.0 | 25.0 | 22.5 | 3 900 | 5 400 |
| 48.0 | 18.5 | 17.3 | 3 300 | 4 700 |

| 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 | 83 100 | 96 800 * |
| 9.0 | 82.5 | 53.7 | 77 400 | 92 700 |
| 10.0 | 81.3 | 53.6 | 66 600 | 80 300 |
| 11.0 | 80.2 | 53.4 | 57 700 | 69 300 |
| 12.0 | 79.1 | 53.2 | 50 600 | 60 500 |
| 13.0 | 78.0 | 53.0 | 44 900 | 53 600 |
| 14.0 | 76.8 | 52.8 | 40 200 | 47 900 |
| 15.0 | 75.7 | 52.5 | 36 300 | 43 100 |
| 16.0 | 74.5 | 52.2 | 32 900 | 39 100 |
| 18.0 | 72.2 | 51.6 | 27 500 | 32 700 |
| 20.0 | 69.9 | 50.9 | 23 300 | 27 700 |
| 22.0 | 67.5 | 50.1 | 20 000 | 23 800 |
| 24.0 | 65.1 | 49.2 | 17 300 | 20 700 |
| 26.0 | 62.6 | 48.1 | 15 000 | 18 100 |
| 28.0 | 60.0 | 47.0 | 13 100 | 15 900 |
| 30.0 | 57.4 | 45.8 | 11 500 | 14 100 |
| 32.0 | 54.7 | 44.4 | 10 100 | 12 500 |
| 34.0 | 52.0 | 42.8 | 8 900 | 11 100 |
| 36.0 | 49.1 | 41.1 | 7 800 | 9 800 |
| 38.0 | 46.0 | 39.3 | 6 800 | 8 700 |
| 40.0 | 42.8 | 37.2 | 6 000 | 7 700 |
| 42.0 | 39.4 | 34.8 | 5 100 | 6 800 |
| 44.0 | 35.7 | 32.1 | 4 500 | 6 100 |
| 46.0 | 31.6 | 29.1 | 3 800 | 5 300 |
| 48.0 | 27.0 | 25.4 | 3 200 | 4 600 |
| 50.0 | 21.5 | 20.8 | 2 600 | 4 000 |



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|-----------------------------|----------------|-------------------------|--|---|
| 54.9m (180 Ft.) Boom | | | | |
| 9.1 | 82.7 | 56.8 | 74 700 | 90 300 * |
| 10.0 | 81.8 | 56.7 | 66 000 | 79 500 |
| 11.0 | 80.8 | 56.5 | 57 500 | 69 200 |
| 12.0 | 79.7 | 56.3 | 50 500 | 60 400 |
| 13.0 | 78.6 | 56.1 | 44 800 | 53 400 |
| 14.0 | 77.6 | 55.9 | 40 100 | 47 700 |
| 15.0 | 76.5 | 55.6 | 36 100 | 42 900 |
| 16.0 | 75.4 | 55.4 | 32 800 | 38 900 |
| 18.0 | 73.2 | 54.8 | 27 300 | 32 500 |
| 20.0 | 71.0 | 54.1 | 23 100 | 27 600 |
| 22.0 | 68.8 | 53.4 | 19 800 | 23 700 |
| 24.0 | 66.5 | 52.5 | 17 100 | 20 500 |
| 26.0 | 64.2 | 51.6 | 14 800 | 17 900 |
| 28.0 | 61.9 | 50.5 | 13 000 | 15 700 |
| 30.0 | 59.5 | 49.4 | 11 300 | 13 900 |
| 32.0 | 57.0 | 48.1 | 9 900 | 12 200 |
| 34.0 | 54.4 | 46.7 | 8 700 | 10 900 |
| 36.0 | 51.8 | 45.1 | 7 600 | 9 600 |
| 38.0 | 49.0 | 43.4 | 6 600 | 8 500 |
| 40.0 | 46.2 | 41.6 | 5 700 | 7 500 |
| 42.0 | 43.2 | 39.5 | 5 000 | 6 700 |
| 44.0 | 40.0 | 37.2 | 4 300 | 5 900 |
| 46.0 | 36.6 | 34.6 | 3 600 | 5 200 |
| 48.0 | 32.8 | 31.6 | 3 000 | 4 500 |
| 50.0 | 28.6 | 28.2 | 2 500 | 3 800 |
| 52.0 | 23.8 | 24.0 | | 3 300 |

| 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 | 67 600 | 81 600 |
| 10.0 | 82.3 | 59.8 | 65 400 | 78 800 |
| 11.0 | 81.3 | 59.6 | 57 300 | 68 700 |
| 12.0 | 80.3 | 59.4 | 50 400 | 60 400 |
| 13.0 | 79.2 | 59.2 | 44 600 | 53 300 |
| 14.0 | 78.2 | 59.0 | 39 900 | 47 500 |
| 15.0 | 77.2 | 58.8 | 35 900 | 42 800 |
| 16.0 | 76.2 | 58.5 | 32 600 | 38 700 |
| 18.0 | 74.2 | 58.0 | 27 100 | 32 300 |
| 20.0 | 72.1 | 57.3 | 22 900 | 27 300 |
| 22.0 | 70.0 | 56.6 | 19 600 | 23 500 |
| 24.0 | 67.8 | 55.8 | 16 900 | 20 300 |
| 26.0 | 65.7 | 54.9 | 14 600 | 17 700 |
| 28.0 | 63.5 | 54.0 | 12 700 | 15 500 |
| 30.0 | 61.2 | 52.9 | 11 100 | 13 700 |
| 32.0 | 58.9 | 51.7 | 9 700 | 12 000 |
| 34.0 | 56.6 | 50.4 | 8 400 | 10 600 |
| 36.0 | 54.1 | 49.0 | 7 400 | 9 400 |
| 38.0 | 51.6 | 47.4 | 6 400 | 8 300 |
| 40.0 | 49.0 | 45.7 | 5 500 | 7 300 |
| 42.0 | 46.3 | 43.9 | 4 700 | 6 400 |
| 44.0 | 43.5 | 41.8 | 4 000 | 5 600 |
| 46.0 | 40.5 | 39.6 | 3 400 | 4 900 |
| 48.0 | 37.3 | 37.0 | 2 800 | 4 200 |
| 50.0 | 33.9 | 34.2 | 2 300 | 3 600 |
| 52.0 | 30.0 | 30.9 | | 3 000 |
| 54.0 | 25.7 | 27.0 | | 2 500 |
| 56.0 | 20.5 | 22.1 | | 2 000 |



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|-----------------------------|----------------|-------------------------|--|---|
| 61.0m (200 Ft.) Boom | | | | |
| 9.8 | 82.9 | 62.9 | 66 800 | 77 500 * |
| 10.0 | 82.7 | 62.8 | 64 600 | 76 100 |
| 11.0 | 81.7 | 62.7 | 56 600 | 67 900 |
| 12.0 | 80.7 | 62.5 | 50 100 | 60 100 |
| 13.0 | 79.8 | 62.3 | 44 400 | 53 100 |
| 14.0 | 78.8 | 62.1 | 39 700 | 47 400 |
| 15.0 | 77.9 | 61.9 | 35 700 | 42 600 |
| 16.0 | 76.9 | 61.7 | 32 300 | 38 600 |
| 18.0 | 75.0 | 61.2 | 26 900 | 32 100 |
| 20.0 | 73.0 | 60.6 | 22 700 | 27 200 |
| 22.0 | 71.0 | 59.9 | 19 400 | 23 200 |
| 24.0 | 69.0 | 59.1 | 16 700 | 20 100 |
| 26.0 | 67.0 | 58.3 | 14 400 | 17 500 |
| 28.0 | 64.9 | 57.4 | 12 500 | 15 300 |
| 30.0 | 62.8 | 56.4 | 10 900 | 13 400 |
| 32.0 | 60.7 | 55.3 | 9 400 | 11 800 |
| 34.0 | 58.5 | 54.1 | 8 200 | 10 400 |
| 36.0 | 56.2 | 52.7 | 7 100 | 9 200 |
| 38.0 | 53.9 | 51.3 | 6 200 | 8 100 |
| 40.0 | 51.5 | 49.7 | 5 300 | 7 100 |
| 42.0 | 49.0 | 48.0 | 4 500 | 6 200 |
| 44.0 | 46.5 | 46.2 | 3 800 | 5 400 |
| 46.0 | 43.8 | 44.2 | 3 200 | 4 700 |
| 48.0 | 41.0 | 41.9 | 2 600 | 4 000 |
| 50.0 | 38.0 | 39.4 | 2 000 | 3 400 |
| 52.0 | 34.8 | 36.6 | | 2 800 |
| 54.0 | 31.2 | 33.5 | | 2 300 |
| 56.0 | 27.3 | 29.8 | | 1 900 |

| 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 | 60 700 | 71 900 * |
| 11.0 | 82.1 | 65.8 | 56 000 | 67 200 |
| 12.0 | 81.2 | 65.6 | 49 600 | 59 500 |
| 13.0 | 80.3 | 65.4 | 44 300 | 53 000 |
| 14.0 | 79.4 | 65.2 | 39 600 | 47 300 |
| 15.0 | 78.5 | 65.0 | 35 600 | 42 500 |
| 16.0 | 77.5 | 64.8 | 32 200 | 38 400 |
| 18.0 | 75.7 | 64.3 | 26 800 | 32 000 |
| 20.0 | 73.8 | 63.7 | 22 500 | 27 000 |
| 22.0 | 72.0 | 63.1 | 19 200 | 23 100 |
| 24.0 | 70.1 | 62.4 | 16 500 | 19 900 |
| 26.0 | 68.1 | 61.6 | 14 200 | 17 300 |
| 28.0 | 66.2 | 60.7 | 12 300 | 15 200 |
| 30.0 | 64.2 | 59.8 | 10 700 | 13 300 |
| 32.0 | 62.2 | 58.8 | 9 300 | 11 700 |
| 34.0 | 60.1 | 57.6 | 8 100 | 10 300 |
| 36.0 | 58.0 | 56.4 | 7 000 | 9 000 |
| 38.0 | 55.9 | 55.1 | 6 000 | 7 900 |
| 40.0 | 53.7 | 53.6 | 5 100 | 6 900 |
| 42.0 | 51.4 | 52.0 | 4 400 | 6 100 |
| 44.0 | 49.0 | 50.3 | 3 600 | 5 300 |
| 46.0 | 46.6 | 48.5 | 3 000 | 4 600 |
| 48.0 | 44.1 | 46.5 | 2 400 | 3 900 |
| 50.0 | 41.4 | 44.3 | 1 900 | 3 300 |
| 52.0 | 38.6 | 41.8 | | 2 700 |
| 54.0 | 35.6 | 39.1 | | 2 200 |



Liftcrane Boom Capacities

British Standards

888 SERIES 1

Boom No. 22EL
65 360 kg 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 | 61 600 | 66 900 * |
| 11.0 | 82.5 | 68.8 | 56 800 | 66 400 |
| 12.0 | 81.6 | 68.7 | 49 900 | 60 200 |
| 13.0 | 80.7 | 68.5 | 44 100 | 52 800 |
| 14.0 | 79.9 | 68.3 | 39 400 | 47 100 |
| 15.0 | 79.0 | 68.2 | 35 400 | 42 300 |
| 16.0 | 78.1 | 67.9 | 32 000 | 38 200 |
| 18.0 | 76.4 | 67.5 | 26 600 | 31 800 |
| 20.0 | 74.6 | 66.9 | 22 400 | 26 800 |
| 22.0 | 72.8 | 66.3 | 19 000 | 22 900 |
| 24.0 | 71.0 | 65.6 | 16 300 | 19 800 |
| 26.0 | 69.2 | 64.9 | 14 000 | 17 100 |
| 28.0 | 67.3 | 64.1 | 12 100 | 15 000 |
| 30.0 | 65.5 | 63.2 | 10 500 | 13 100 |
| 32.0 | 63.6 | 62.2 | 9 100 | 11 500 |
| 34.0 | 61.6 | 61.1 | 7 800 | 10 100 |
| 36.0 | 59.6 | 60.0 | 6 800 | 8 800 |
| 38.0 | 57.6 | 58.7 | 5 800 | 7 700 |
| 40.0 | 55.6 | 57.4 | 4 900 | 6 700 |
| 42.0 | 53.5 | 55.9 | 4 200 | 5 800 |
| 44.0 | 51.3 | 54.4 | 3 500 | 5 100 |
| 46.0 | 49.0 | 52.6 | 2 800 | 4 300 |
| 48.0 | 46.7 | 50.8 | 2 200 | 3 700 |
| 50.0 | 44.3 | 48.8 | | 3 100 |
| 52.0 | 41.8 | 46.6 | | 2 500 |
| 54.0 | 39.1 | 44.2 | | 2 000 |

| 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 | 56 500 | 60 500 * |
| 12.0 | 82.0 | 71.8 | 49 800 | 59 200 |
| 13.0 | 81.1 | 71.6 | 44 000 | 52 700 |
| 14.0 | 80.3 | 71.4 | 39 200 | 47 000 |
| 15.0 | 79.5 | 71.3 | 35 200 | 42 100 |
| 16.0 | 78.6 | 71.1 | 31 800 | 38 000 |
| 18.0 | 77.0 | 70.6 | 26 300 | 31 600 |
| 20.0 | 75.3 | 70.1 | 22 100 | 26 600 |
| 22.0 | 73.6 | 69.5 | 18 800 | 22 700 |
| 24.0 | 71.9 | 68.9 | 16 100 | 19 500 |
| 26.0 | 70.1 | 68.2 | 13 800 | 16 900 |
| 28.0 | 68.4 | 67.4 | 11 900 | 14 700 |
| 30.0 | 66.6 | 66.5 | 10 200 | 12 800 |
| 32.0 | 64.8 | 65.6 | 8 800 | 11 200 |
| 34.0 | 63.0 | 64.6 | 7 600 | 9 800 |
| 36.0 | 61.1 | 63.5 | 6 500 | 8 600 |
| 38.0 | 59.2 | 62.3 | 5 500 | 7 400 |
| 40.0 | 57.3 | 61.1 | 4 600 | 6 500 |
| 42.0 | 55.3 | 59.7 | 3 900 | 5 600 |
| 44.0 | 53.3 | 58.2 | 3 200 | 4 800 |
| 46.0 | 51.2 | 56.7 | 2 500 | 4 100 |
| 48.0 | 49.0 | 54.9 | | 3 400 |
| 50.0 | 46.8 | 53.1 | | 2 800 |
| 52.0 | 44.5 | 51.1 | | 2 300 |



Liftcrane Boom Capacities

British Standards

888 SERIES 1

Boom No. 22EL
65 360 kg 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 | 51 900 | 55 000 * |
| 12.0 | 82.3 | 74.9 | 49 500 | 54 900 * |
| 13.0 | 81.5 | 74.7 | 43 800 | 52 900 |
| 14.0 | 80.7 | 74.5 | 39 000 | 46 800 |
| 15.0 | 79.9 | 74.4 | 35 000 | 41 900 |
| 16.0 | 79.1 | 74.2 | 31 600 | 37 900 |
| 18.0 | 77.5 | 73.7 | 26 100 | 31 400 |
| 20.0 | 75.9 | 73.2 | 21 900 | 26 400 |
| 22.0 | 74.3 | 72.7 | 18 600 | 22 500 |
| 24.0 | 72.6 | 72.1 | 15 800 | 19 300 |
| 26.0 | 71.0 | 71.4 | 13 600 | 16 700 |
| 28.0 | 69.3 | 70.7 | 11 600 | 14 500 |
| 30.0 | 67.6 | 69.8 | 10 000 | 12 600 |
| 32.0 | 65.9 | 69.0 | 8 600 | 11 000 |
| 34.0 | 64.2 | 68.0 | 7 300 | 9 600 |
| 36.0 | 62.4 | 67.0 | 6 300 | 8 300 |
| 38.0 | 60.6 | 65.9 | 5 300 | 7 200 |
| 40.0 | 58.8 | 64.7 | 4 400 | 6 300 |
| 42.0 | 56.9 | 63.4 | 3 700 | 5 300 |
| 44.0 | 55.0 | 62.0 | 3 000 | 4 600 |
| 46.0 | 53.1 | 60.5 | 2 300 | 3 800 |
| 48.0 | 51.1 | 59.0 | | 3 200 |
| 50.0 | 49.0 | 57.2 | | 2 600 |

| 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 | 48 700 | 49 800 * |
| 13.0 | 81.9 | 77.8 | 43 900 | 49 600 * |
| 14.0 | 81.1 | 77.6 | 39 100 | 46 900 |
| 15.0 | 80.3 | 77.5 | 35 100 | 42 100 |
| 16.0 | 79.6 | 77.3 | 31 700 | 38 000 |
| 18.0 | 78.0 | 76.9 | 26 200 | 31 500 |
| 20.0 | 76.5 | 76.4 | 22 000 | 26 500 |
| 22.0 | 74.9 | 75.9 | 18 600 | 22 600 |
| 24.0 | 73.4 | 75.3 | 15 900 | 19 400 |
| 26.0 | 71.8 | 74.6 | 13 600 | 16 800 |
| 28.0 | 70.2 | 73.9 | 11 700 | 14 600 |
| 30.0 | 68.6 | 73.1 | 10 100 | 12 700 |
| 32.0 | 66.9 | 72.3 | 8 700 | 11 100 |
| 34.0 | 65.3 | 71.4 | 7 400 | 9 700 |
| 36.0 | 63.6 | 70.4 | 6 400 | 8 400 |
| 38.0 | 61.9 | 69.4 | 5 400 | 7 300 |
| 40.0 | 60.2 | 68.2 | 4 500 | 6 400 |
| 42.0 | 58.4 | 67.0 | 3 700 | 5 500 |
| 44.0 | 56.6 | 65.7 | 3 000 | 4 600 |
| 46.0 | 54.8 | 64.3 | 2 400 | 3 900 |
| 48.0 | 52.9 | 62.8 | | 3 300 |
| 50.0 | 51.0 | 61.3 | | 2 700 |
| 52.0 | 49.0 | 59.5 | | 2 100 |