

Liftcrane Boom Capacities

Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. 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 (*). Capacities indicated by (b) require 12,500 Lb. minimum weight.

Upper boom point capacity for liftcrane service with single part whip line is 29,500 Lbs. or 59,000 Lbs. with two part whip line. When boom butt mounted auxiliary drum is used, capacity with single part whip line is 20,000 Lbs. or 40,000 Lbs. with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

250 Ft. thru 290 Ft. boom lengths require only the middle two sheaves in lower boom point. All other sheaves must be removed from lower boom point.

Note: 22L boom top **No. 196142** or **No. 417403** required for capacities greater than or equal to 462,500 Lbs.

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. 195459** (No. 82) or **No. 195890** (No. 22EL) and Wire Rope Specification chart **No. 8223-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. 8225-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 28 Ft. 2 in. crawlers, 48 in. treads, 10 Ft. 3 in. retractable gantry, 30 Ft. live mast, 20 part boom hoist reeving, boom support straps or four 1-3/8 in. boom pendants, 219,600 Lb. crane counterweight, two 22,000 Lb. and two 18,000 Lb. carbody counterweights.

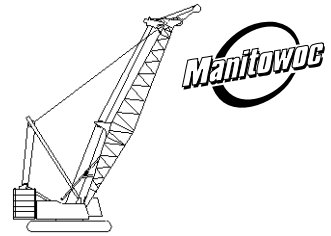
Boom Catwalks Deduct

Deduct 600 Lbs. from capacities when boom catwalks are attached.

| WITHOUT BOOM CATWALKS | | | |
|--|-------------|-----------------------|-------------|
| Maximum Boom and Jib Lengths Lifted Unassisted | | | |
| Over End of Blocked Crawlers | | Over Side of Crawlers | |
| Boom Length | Jib No. 134 | Boom Length | Jib No. 134 |
| (a) 290 Ft. | — | (a) 290 Ft. | — |
| 280 Ft. | — | 280 Ft. | — |
| 270 Ft. | 30 Ft. | 270 Ft. | 30 Ft. |
| 260 Ft. | 60 Ft. | 260 Ft. | 60 Ft. |
| 250 Ft. | 80 Ft. | 250 Ft. | 80 Ft. |
| Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be used on 290 Ft. boom. | | | |

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

| WITH BOOM CATWALKS | | | |
|---|-------------|-----------------------|-------------|
| Maximum Boom and Jib Lengths Lifted Unassisted | | | |
| Over End of Blocked Crawlers | | Over Side of Crawlers | |
| Boom Length | Jib No. 134 | Boom Length | Jib No. 134 |
| (a) 290 Ft. | — | (a)(b) 290 Ft. | — |
| 280 Ft. | — | 280 Ft. | — |
| 270 Ft. | 30 Ft. | 270 Ft. | — |
| 260 Ft. | 60 Ft. | 260 Ft. | (b) 60 Ft. |
| 250 Ft. | 80 Ft. | 250 Ft. | 80 Ft. |
| Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be used on 290 Ft. boom. (b) Machine must be equipped with lowerworks jacking cylinders. | | | |



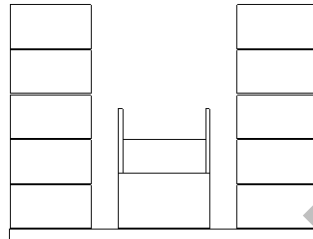
Liftcrane Boom Capacities

Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
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ANSI B30.5
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999 SERIES 3

| Deduct From Capacities When Jib Is Attached | |
|--|-------------|
| Jib Length | Jib No. 134 |
| 30 Ft. | 2,700 Lbs. |
| 40 Ft. | 3,500 Lbs. |
| 50 Ft. | 4,300 Lbs. |
| 60 Ft. | 5,100 Lbs. |
| 70 Ft. | 6,100 Lbs. |
| 80 Ft. | 7,100 Lbs. |



219,600 Lb. Crane Counterweight
10 Side Boxes - 1 Center Box

| Oper. Rad. Feet | Boom Capacity Pounds |
|-----------------------|----------------------------|
| 60 Ft. BOOM | |
| 15 | 551,200* ¹ |

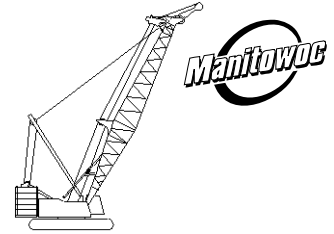
¹ Note: Special equipment required.

| Oper. Rad. Feet | Boom Ang. Deg. | Boom Point Elev. Feet | Boom Capacity Pounds |
|-----------------------|----------------------|--------------------------------|----------------------------|
| 70 Ft. BOOM | | | |
| 16 | 82.8 | 77.3 | 500,000 * ^{b 2} |
| 17 | 82.0 | 77.1 | 462,500 * ^{b 2} |
| 18 | 81.1 | 76.9 | 438,700 * ^b |
| 19 | 80.3 | 76.7 | 417,100 * ^b |
| 20 | 79.5 | 76.5 | 397,500 * ^b |
| 22 | 77.8 | 76.0 | 363,200 * ^b |
| 24 | 76.1 | 75.5 | 334,200 * ^b |
| 26 | 74.4 | 74.9 | 309,300 * |
| 28 | 72.7 | 74.2 | 287,700 * |
| 30 | 70.9 | 73.5 | 268,900 * |
| 32 | 69.2 | 72.7 | 252,200 * |
| 34 | 67.4 | 71.8 | 237,400 * |
| 36 | 65.6 | 70.9 | 221,800 * |
| 38 | 63.7 | 69.9 | 204,900 * |
| 40 | 61.9 | 68.7 | 190,300 * |
| 42 | 60.0 | 67.5 | 177,500 * |
| 44 | 58.0 | 66.3 | 166,200 * |
| 46 | 56.0 | 64.9 | 156,100 * |
| 48 | 54.0 | 63.4 | 147,100 * |
| 50 | 51.9 | 61.7 | 139,000 * |
| 55 | 46.3 | 57.1 | 121,900 * |
| 60 | 40.1 | 51.4 | 108,200 * |
| 65 | 32.9 | 44.2 | 96,400 * |
| 70 | 23.7 | 34.2 | 76,300 * |

| Oper. Rad. Feet | Boom Ang. Deg. | Boom Point Elev. Feet | Boom Capacity Pounds |
|-----------------------|----------------------|--------------------------------|----------------------------|
| 80 Ft. BOOM | | | |
| 17 | 83.0 | 87.2 | 447,700 * ^b |
| 18 | 82.3 | 87.1 | 438,000 * ^b |
| 19 | 81.5 | 86.9 | 416,400 * ^b |
| 20 | 80.8 | 86.7 | 396,900 * ^b |
| 22 | 79.3 | 86.3 | 362,600 * ^b |
| 24 | 77.9 | 85.8 | 333,600 * ^b |
| 26 | 76.4 | 85.3 | 308,700 * |
| 28 | 74.9 | 84.7 | 287,100 * |
| 30 | 73.4 | 84.1 | 268,300 * |
| 32 | 71.9 | 83.4 | 251,600 * |
| 34 | 70.4 | 82.7 | 236,800 * |
| 36 | 68.8 | 81.9 | 221,900 * |
| 38 | 67.3 | 81.0 | 205,000 * |
| 40 | 65.7 | 80.1 | 190,300 * |
| 42 | 64.1 | 79.0 | 177,500 * |
| 44 | 62.4 | 78.0 | 166,200 * |
| 46 | 60.8 | 76.8 | 156,100 * |
| 48 | 59.1 | 75.6 | 147,100 * |
| 50 | 57.4 | 74.3 | 139,000 * |
| 55 | 52.9 | 70.6 | 121,900 * |
| 60 | 48.2 | 66.2 | 108,100 * |
| 65 | 43.0 | 61.0 | 96,900 * |
| 70 | 37.3 | 54.8 | 87,400 * |
| 75 | 30.6 | 46.9 | 79,100 * |
| 80 | 22.0 | 36.0 | 65,700 * |

| Oper. Rad. Feet | Boom Ang. Deg. | Boom Point Elev. Feet | Boom Capacity Pounds |
|-----------------------|----------------------|--------------------------------|----------------------------|
| 90 Ft. BOOM | | | |
| 19 | 82.5 | 97.0 | 403,100 * ^b |
| 20 | 81.8 | 96.9 | 396,400 * ^b |
| 22 | 80.5 | 96.5 | 362,100 * ^b |
| 24 | 79.2 | 96.1 | 333,100 * ^b |
| 26 | 77.9 | 95.6 | 308,300 * |
| 28 | 76.6 | 95.1 | 286,700 * |
| 30 | 75.3 | 94.6 | 267,900 * |
| 32 | 74.0 | 94.0 | 251,200 * |
| 34 | 72.6 | 93.3 | 236,400 * |
| 36 | 71.3 | 92.6 | 222,000 * |
| 38 | 69.9 | 91.8 | 205,100 * |
| 40 | 68.6 | 91.0 | 190,400 * |
| 42 | 67.2 | 90.2 | 177,600 * |
| 44 | 65.8 | 89.2 | 166,200 * |
| 46 | 64.3 | 88.2 | 156,200 * |
| 48 | 62.9 | 87.2 | 147,100 * |
| 50 | 61.4 | 86.1 | 139,000 * |
| 55 | 57.7 | 83.0 | 121,900 * |
| 60 | 53.8 | 79.4 | 108,100 * |
| 65 | 49.6 | 75.2 | 96,900 * |
| 70 | 45.2 | 70.4 | 87,500 * |
| 75 | 40.4 | 64.7 | 79,500 * |
| 80 | 35.0 | 57.9 | 72,600 * |
| 85 | 28.7 | 49.4 | 66,200 * |
| 90 | 20.7 | 37.7 | 57,000 * |

² See note on page 1.



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

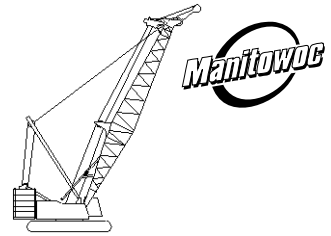
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219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

999 SERIES 3

| Oper. Rad. Feet | Boom Ang. Deg. | Boom Point Elev. Feet | Boom Capacity Pounds |
|---------------------|----------------|-----------------------|----------------------|
| 100 Ft. BOOM | | | |
| 20 | 82.7 | 107.0 | 385,900 *b |
| 22 | 81.5 | 106.7 | 361,900 *b |
| 24 | 80.3 | 106.3 | 332,900 *b |
| 26 | 79.2 | 105.9 | 308,000 * |
| 28 | 78.0 | 105.4 | 286,500 * |
| 30 | 76.8 | 104.9 | 267,700 * |
| 32 | 75.6 | 104.4 | 251,000 * |
| 34 | 74.4 | 103.8 | 236,200 * |
| 36 | 73.2 | 103.2 | 222,200 * |
| 38 | 72.0 | 102.5 | 205,200 * |
| 40 | 70.8 | 101.8 | 190,500 * |
| 42 | 69.6 | 101.0 | 177,700 * |
| 44 | 68.3 | 100.2 | 166,300 * |
| 46 | 67.1 | 99.3 | 156,300 * |
| 48 | 65.8 | 98.4 | 147,200 * |
| 50 | 64.6 | 97.4 | 139,100 * |
| 55 | 61.3 | 94.7 | 121,900 * |
| 60 | 57.9 | 91.6 | 108,200 * |
| 65 | 54.4 | 88.1 | 96,900 * |
| 70 | 50.8 | 84.1 | 87,500 * |
| 75 | 46.9 | 79.5 | 79,600 * |
| 80 | 42.7 | 74.3 | 72,700 * |
| 85 | 38.2 | 68.1 | 66,800 * |
| 90 | 33.1 | 60.8 | 61,600 * |
| 95 | 27.2 | 51.7 | 56,300 * |
| 100 | 19.5 | 39.4 | 48,700 * |
| 110 Ft. BOOM | | | |
| 22 | 82.3 | 116.8 | 353,700 * |
| 24 | 81.2 | 116.5 | 332,400 * |
| 26 | 80.2 | 116.1 | 307,500 * |
| 28 | 79.1 | 115.7 | 286,000 * |
| 30 | 78.0 | 115.2 | 267,100 * |
| 32 | 77.0 | 114.7 | 250,500 * |
| 34 | 75.9 | 114.2 | 235,700 * |
| 36 | 74.8 | 113.6 | 222,100 * |
| 38 | 73.7 | 113.0 | 205,100 * |
| 40 | 72.6 | 112.4 | 190,400 * |
| 42 | 71.5 | 111.7 | 177,500 * |
| 44 | 70.4 | 111.0 | 166,200 * |
| 46 | 69.3 | 110.2 | 156,100 * |
| 48 | 68.2 | 109.4 | 147,100 * |
| 50 | 67.0 | 108.5 | 138,900 * |
| 55 | 64.1 | 106.1 | 121,700 * |
| 60 | 61.2 | 103.4 | 108,000 * |
| 65 | 58.1 | 100.3 | 96,700 * |
| 70 | 55.0 | 96.9 | 87,300 * |
| 75 | 51.7 | 93.0 | 79,400 * |

| Oper. Rad. Feet | Boom Ang. Deg. | Boom Point Elev. Feet | Boom Capacity Pounds |
|---------------------|----------------|-----------------------|----------------------|
| 110 Ft. BOOM | | | |
| 80 | 48.2 | 88.6 | 72,500 |
| 85 | 44.5 | 83.6 | 66,600 |
| 90 | 40.6 | 77.9 | 61,400 |
| 95 | 36.3 | 71.4 | 56,800 |
| 100 | 31.5 | 63.6 | 52,700 |
| 105 | 25.8 | 54.0 | 47,900 * |
| 110 | 18.6 | 40.9 | 41,600 * |
| 120 Ft. BOOM | | | |
| 22 | 82.9 | 126.9 | 324,500 * |
| 24 | 82.0 | 126.6 | 324,500 * |
| 26 | 81.0 | 126.3 | 307,200 * |
| 28 | 80.0 | 125.9 | 285,700 * |
| 30 | 79.1 | 125.5 | 266,800 * |
| 32 | 78.1 | 125.0 | 250,200 * |
| 34 | 77.1 | 124.5 | 235,400 * |
| 36 | 76.1 | 124.0 | 222,100 * |
| 38 | 75.1 | 123.5 | 205,100 * |
| 40 | 74.1 | 122.9 | 190,400 * |
| 42 | 73.1 | 122.3 | 177,500 * |
| 44 | 72.1 | 121.6 | 166,100 * |
| 46 | 71.1 | 120.9 | 156,000 * |
| 48 | 70.1 | 120.1 | 147,000 * |
| 50 | 69.1 | 119.3 | 138,800 * |
| 55 | 66.5 | 117.2 | 121,600 * |
| 60 | 63.8 | 114.8 | 107,900 * |
| 65 | 61.1 | 112.0 | 96,600 * |
| 70 | 58.3 | 109.0 | 87,200 * |
| 75 | 55.4 | 105.6 | 79,200 * |
| 80 | 52.4 | 101.8 | 72,400 * |
| 85 | 49.3 | 97.6 | 66,500 * |
| 90 | 46.0 | 92.8 | 61,300 * |
| 95 | 42.5 | 87.5 | 56,700 * |
| 100 | 38.7 | 81.4 | 52,600 * |
| 105 | 34.6 | 74.5 | 48,900 * |
| 110 | 30.0 | 66.2 | 45,600 * |
| 115 | 24.7 | 56.1 | 41,100 * |
| 120 | 17.7 | 42.4 | 35,800 * |
| 130 Ft. BOOM | | | |
| 24 | 82.6 | 136.7 | 295,000 * |
| 26 | 81.7 | 136.4 | 295,000 * |
| 28 | 80.8 | 136.1 | 285,400 * |
| 30 | 79.9 | 135.7 | 266,500 * |
| 32 | 79.0 | 135.3 | 249,900 * |
| 34 | 78.1 | 134.8 | 235,100 * |
| 36 | 77.2 | 134.4 | 221,900 * |
| 38 | 76.3 | 133.8 | 205,100 * |
| 40 | 75.4 | 133.3 | 190,400 * |
| 42 | 74.5 | 132.7 | 177,500 * |
| 44 | 73.5 | 132.1 | 166,100 * |
| 46 | 72.6 | 131.5 | 156,000 * |
| 48 | 71.7 | 130.8 | 146,900 * |

| Oper. Rad. Feet | Boom Ang. Deg. | Boom Point Elev. Feet | Boom Capacity Pounds |
|---------------------|----------------|-----------------------|----------------------|
| 130 Ft. BOOM | | | |
| 50 | 70.7 | 130.1 | 138,800 |
| 55 | 68.4 | 128.1 | 121,600 |
| 60 | 66.0 | 125.9 | 107,800 |
| 65 | 63.5 | 123.4 | 96,500 |
| 70 | 61.0 | 120.7 | 87,100 |
| 75 | 58.4 | 117.7 | 79,200 |
| 80 | 55.8 | 114.3 | 72,300 |
| 85 | 53.0 | 110.6 | 66,400 |
| 90 | 50.2 | 106.5 | 61,200 |
| 95 | 47.2 | 101.9 | 56,600 |
| 100 | 44.0 | 96.9 | 52,500 |
| 105 | 40.7 | 91.2 | 48,900 |
| 110 | 37.1 | 84.8 | 45,600 |
| 115 | 33.2 | 77.4 | 42,600 |
| 120 | 28.8 | 68.7 | 39,800 |
| 125 | 23.6 | 58.1 | 35,500 * |
| 130 | 17.0 | 43.9 | 30,900 * |
| 140 Ft. BOOM | | | |
| 26 | 82.3 | 146.5 | 295,000 * |
| 28 | 81.5 | 146.2 | 285,000 * |
| 30 | 80.6 | 145.9 | 266,200 * |
| 32 | 79.8 | 145.5 | 249,500 * |
| 34 | 79.0 | 145.1 | 234,800 * |
| 36 | 78.1 | 144.6 | 221,600 * |
| 38 | 77.3 | 144.2 | 205,000 * |
| 40 | 76.4 | 143.7 | 190,200 * |
| 42 | 75.6 | 143.1 | 177,300 * |
| 44 | 74.7 | 142.6 | 165,900 * |
| 46 | 73.9 | 142.0 | 155,800 * |
| 48 | 73.0 | 141.3 | 146,800 * |
| 50 | 72.2 | 140.7 | 138,600 * |
| 55 | 70.0 | 138.9 | 121,400 * |
| 60 | 67.8 | 136.8 | 107,600 * |
| 65 | 65.5 | 134.6 | 96,300 * |
| 70 | 63.3 | 132.1 | 86,900 * |
| 75 | 60.9 | 129.3 | 78,900 * |
| 80 | 58.5 | 126.3 | 72,100 * |
| 85 | 56.1 | 123.0 | 66,200 * |
| 90 | 53.5 | 119.3 | 61,000 * |
| 95 | 50.9 | 115.3 | 56,400 * |
| 100 | 48.2 | 110.9 | 52,300 * |
| 105 | 45.3 | 106.1 | 48,700 * |
| 110 | 42.3 | 100.7 | 45,400 * |
| 115 | 39.1 | 94.7 | 42,400 * |
| 120 | 35.7 | 88.0 | 39,600 * |
| 125 | 31.9 | 80.2 | 37,100 * |
| 130 | 27.7 | 71.2 | 34,400 * |
| 135 | 22.7 | 60.1 | 30,600 * |
| 140 | 16.3 | 45.2 | 26,500 * |



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

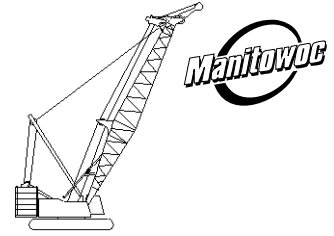
Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

999 SERIES 3

| Oper. Rad. Feet | Boom Ang. Deg. | Boom Point Elev. Feet | Boom Capacity Pounds |
|---------------------|----------------|-----------------------|----------------------|
| 150 Ft. BOOM | | | |
| 26 | 82.8 | 156.6 | 265,500 * |
| 28 | 82.0 | 156.3 | 261,400 * |
| 30 | 81.3 | 156.0 | 255,600 * |
| 32 | 80.5 | 155.7 | 248,900 * |
| 34 | 79.7 | 155.3 | 234,200 * |
| 36 | 78.9 | 154.9 | 221,000 * |
| 38 | 78.2 | 154.4 | 204,800 |
| 40 | 77.4 | 154.0 | 190,000 |
| 42 | 76.6 | 153.5 | 177,100 |
| 44 | 75.8 | 152.9 | 165,700 |
| 46 | 75.0 | 152.4 | 155,500 |
| 48 | 74.2 | 151.8 | 146,500 |
| 50 | 73.4 | 151.2 | 138,300 |
| 55 | 71.4 | 149.5 | 121,000 |
| 60 | 69.4 | 147.7 | 107,200 |
| 65 | 67.3 | 145.6 | 95,900 |
| 70 | 65.2 | 143.3 | 86,500 |
| 75 | 63.0 | 140.8 | 78,500 |
| 80 | 60.9 | 138.0 | 71,700 |
| 85 | 58.6 | 135.0 | 65,800 |
| 90 | 56.3 | 131.7 | 60,600 |
| 95 | 54.0 | 128.1 | 56,000 |
| 100 | 51.6 | 124.2 | 51,900 |
| 105 | 49.1 | 119.9 | 48,300 |
| 110 | 46.4 | 115.2 | 45,000 |
| 115 | 43.7 | 110.1 | 42,000 |
| 120 | 40.8 | 104.4 | 39,200 |
| 125 | 37.7 | 98.1 | 36,800 |
| 130 | 34.4 | 91.0 | 34,500 |
| 135 | 30.8 | 83.0 | 32,300 |
| 140 | 26.7 | 73.5 | 29,300 * |
| 145 | 21.9 | 62.0 | 26,000 * |
| 150 | 15.7 | 46.6 | 22,400 * |
| 160 Ft. BOOM | | | |
| 28 | 82.5 | 166.4 | 236,000 * |
| 30 | 81.8 | 166.1 | 236,000 * |
| 32 | 81.1 | 165.8 | 236,000 * |
| 34 | 80.4 | 165.4 | 233,800 * |
| 36 | 79.6 | 165.1 | 220,600 * |
| 38 | 78.9 | 164.7 | 204,600 |
| 40 | 78.2 | 164.2 | 189,800 |
| 42 | 77.4 | 163.8 | 176,900 |
| 44 | 76.7 | 163.3 | 165,500 |
| 46 | 76.0 | 162.8 | 155,300 |
| 48 | 75.2 | 162.2 | 146,200 |
| 50 | 74.5 | 161.6 | 138,000 |
| 55 | 72.6 | 160.1 | 120,800 |
| 60 | 70.7 | 158.3 | 107,000 |
| 65 | 68.8 | 156.4 | 95,700 |

| Oper. Rad. Feet | Boom Ang. Deg. | Boom Point Elev. Feet | Boom Capacity Pounds |
|---------------------|----------------|-----------------------|----------------------|
| 160 Ft. BOOM | | | |
| 70 | 66.8 | 154.3 | 86,200 |
| 75 | 64.9 | 152.0 | 78,300 |
| 80 | 62.9 | 149.4 | 71,400 |
| 85 | 60.8 | 146.7 | 65,500 |
| 90 | 58.7 | 143.7 | 60,300 |
| 95 | 56.6 | 140.4 | 55,700 |
| 100 | 54.4 | 136.8 | 51,600 |
| 105 | 52.1 | 133.0 | 48,000 |
| 110 | 49.8 | 128.8 | 44,700 |
| 115 | 47.4 | 124.3 | 41,700 |
| 120 | 44.9 | 119.3 | 39,000 |
| 125 | 42.2 | 113.9 | 36,500 |
| 130 | 39.4 | 108.0 | 34,200 |
| 135 | 36.5 | 101.4 | 32,100 |
| 140 | 33.3 | 94.0 | 30,100 |
| 145 | 29.8 | 85.6 | 28,000 * |
| 150 | 25.8 | 75.8 | 25,100 * |
| 155 | 21.2 | 63.8 | 22,100 * |
| 160 | 15.2 | 47.8 | 18,900 * |
| 170 Ft. BOOM | | | |
| 28 | 83.0 | 176.5 | 232,700 * |
| 30 | 82.3 | 176.3 | 228,400 * |
| 32 | 81.6 | 175.9 | 224,100 * |
| 34 | 80.9 | 175.6 | 219,800 * |
| 36 | 80.3 | 175.2 | 215,700 * |
| 38 | 79.6 | 174.9 | 204,500 |
| 40 | 78.9 | 174.5 | 189,700 |
| 42 | 78.2 | 174.0 | 176,700 |
| 44 | 77.5 | 173.6 | 165,300 |
| 46 | 76.8 | 173.1 | 155,100 |
| 48 | 76.1 | 172.6 | 146,000 |
| 50 | 75.4 | 172.0 | 137,900 |
| 55 | 73.7 | 170.6 | 120,600 |
| 60 | 71.9 | 169.0 | 106,800 |
| 65 | 70.1 | 167.2 | 95,400 |
| 70 | 68.3 | 165.2 | 86,000 |
| 75 | 66.4 | 163.0 | 78,000 |
| 80 | 64.6 | 160.7 | 71,200 |
| 85 | 62.7 | 158.1 | 65,200 |
| 90 | 60.8 | 155.3 | 60,000 |
| 95 | 58.8 | 152.3 | 55,400 |
| 100 | 56.8 | 149.1 | 51,400 |
| 105 | 54.7 | 145.6 | 47,700 |
| 110 | 52.6 | 141.8 | 44,400 |
| 115 | 50.4 | 137.7 | 41,400 |

| Oper. Rad. Feet | Boom Ang. Deg. | Boom Point Elev. Feet | Boom Capacity Pounds |
|---------------------|----------------|-----------------------|----------------------|
| 170 Ft. BOOM | | | |
| 120 | 48.2 | 133.3 | 38,700 |
| 125 | 45.9 | 128.5 | 36,200 |
| 130 | 43.4 | 123.3 | 34,000 |
| 135 | 40.9 | 117.7 | 31,800 |
| 140 | 38.2 | 111.4 | 29,900 |
| 145 | 35.3 | 104.5 | 28,100 |
| 150 | 32.2 | 96.9 | 26,400 |
| 155 | 28.8 | 88.1 | 24,000 * |
| 160 | 25.0 | 77.9 | 21,400 * |
| 165 | 20.5 | 65.6 | 18,800 * |
| 180 Ft. BOOM | | | |
| 30 | 82.7 | 186.4 | 206,500 * |
| 32 | 82.1 | 186.1 | 206,500 * |
| 34 | 81.4 | 185.7 | 206,500 * |
| 36 | 80.8 | 185.4 | 204,700 * |
| 38 | 80.2 | 185.0 | 200,800 * |
| 40 | 79.5 | 184.7 | 189,400 |
| 42 | 78.9 | 184.3 | 176,500 |
| 44 | 78.2 | 183.8 | 165,000 |
| 46 | 77.6 | 183.4 | 154,900 |
| 48 | 76.9 | 182.9 | 145,800 |
| 50 | 76.2 | 182.4 | 137,600 |
| 55 | 74.6 | 181.0 | 120,300 |
| 60 | 72.9 | 179.5 | 106,500 |
| 65 | 71.2 | 177.8 | 95,100 |
| 70 | 69.5 | 176.0 | 85,700 |
| 75 | 67.8 | 173.9 | 77,700 |
| 80 | 66.1 | 171.7 | 70,800 |
| 85 | 64.3 | 169.3 | 64,900 |
| 90 | 62.5 | 166.8 | 59,700 |
| 95 | 60.7 | 164.0 | 55,100 |
| 100 | 58.9 | 161.0 | 51,000 |
| 105 | 57.0 | 157.8 | 47,400 |
| 110 | 55.0 | 154.3 | 44,100 |
| 115 | 53.0 | 150.6 | 41,100 |
| 120 | 51.0 | 146.6 | 38,400 |
| 125 | 48.9 | 142.3 | 35,900 |
| 130 | 46.7 | 137.6 | 33,600 |
| 135 | 44.5 | 132.6 | 31,500 |
| 140 | 42.1 | 127.2 | 29,600 |
| 145 | 39.7 | 121.2 | 27,800 |
| 150 | 37.1 | 114.8 | 26,100 |
| 155 | 34.3 | 107.6 | 24,500 |
| 160 | 31.3 | 99.6 | 22,700 * |
| 165 | 28.0 | 90.6 | 20,300 * |
| 170 | 24.3 | 80.1 | 18,000 * |
| 175 | 19.9 | 67.3 | 15,700 * |



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

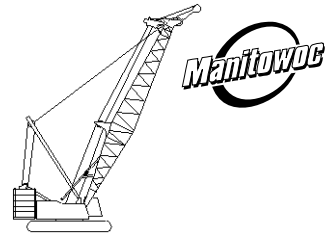
Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

999 SERIES 3

| Oper. Rad. Feet | Boom Ang. Deg. | Boom Point Elev. Feet | Boom Capacity Pounds |
|---------------------|----------------|-----------------------|----------------------|
| 190 Ft. BOOM | | | |
| 32 | 82.5 | 196.2 | 196,800 * |
| 34 | 81.9 | 195.9 | 193,600 * |
| 36 | 81.3 | 195.6 | 190,500 * |
| 38 | 80.7 | 195.2 | 184,500 * |
| 40 | 80.1 | 194.8 | 177,000 * |
| 42 | 79.4 | 194.5 | 170,300 * |
| 44 | 78.8 | 194.1 | 164,200 * |
| 46 | 78.2 | 193.6 | 154,600 |
| 48 | 77.6 | 193.2 | 145,500 |
| 50 | 77.0 | 192.7 | 137,300 |
| 55 | 75.4 | 191.4 | 120,000 |
| 60 | 73.9 | 190.0 | 106,100 |
| 65 | 72.3 | 188.4 | 94,800 |
| 70 | 70.7 | 186.6 | 85,300 |
| 75 | 69.1 | 184.7 | 77,300 |
| 80 | 67.4 | 182.7 | 70,400 |
| 85 | 65.8 | 180.4 | 64,500 |
| 90 | 64.1 | 178.0 | 59,300 |
| 95 | 62.4 | 175.4 | 54,700 |
| 100 | 60.7 | 172.6 | 50,600 |
| 105 | 58.9 | 169.7 | 46,900 |
| 110 | 57.1 | 166.5 | 43,600 |
| 115 | 55.3 | 163.0 | 40,600 |
| 120 | 53.4 | 159.3 | 37,900 |
| 125 | 51.5 | 155.4 | 35,400 |
| 130 | 49.5 | 151.2 | 33,200 |
| 135 | 47.5 | 146.7 | 31,100 |
| 140 | 45.4 | 141.8 | 29,100 |
| 145 | 43.2 | 136.6 | 27,300 |
| 150 | 40.9 | 130.9 | 25,700 |
| 155 | 38.5 | 124.7 | 24,100 |
| 160 | 36.0 | 118.0 | 22,600 |
| 165 | 33.3 | 110.6 | 21,300 |
| 170 | 30.4 | 102.3 | 19,100 * |
| 175 | 27.2 | 93.0 | 17,000 * |
| 180 | 23.6 | 82.1 | 15,000 * |
| 185 | 19.4 | 69.0 | 12,800 * |

| Oper. Rad. Feet | Boom Ang. Deg. | Boom Point Elev. Feet | Boom Capacity Pounds |
|---------------------|----------------|-----------------------|----------------------|
| 200 Ft. BOOM | | | |
| 32 | 82.9 | 206.3 | 177,000 * |
| 34 | 82.3 | 206.0 | 177,000 * |
| 36 | 81.7 | 205.7 | 177,000 * |
| 38 | 81.1 | 205.4 | 176,400 * |
| 40 | 80.6 | 205.0 | 172,200 * |
| 42 | 80.0 | 204.6 | 165,600 * |
| 44 | 79.4 | 204.3 | 159,600 * |
| 46 | 78.8 | 203.8 | 154,100 * |
| 48 | 78.2 | 203.4 | 145,200 |
| 50 | 77.6 | 203.0 | 137,000 |
| 55 | 76.2 | 201.7 | 119,600 |
| 60 | 74.7 | 200.4 | 105,800 |
| 65 | 73.2 | 198.9 | 94,400 |
| 70 | 71.7 | 197.2 | 84,900 |
| 75 | 70.2 | 195.4 | 76,900 |
| 80 | 68.6 | 193.5 | 70,100 |
| 85 | 67.1 | 191.4 | 64,100 |
| 90 | 65.5 | 189.1 | 58,900 |
| 95 | 63.9 | 186.7 | 54,300 |
| 100 | 62.3 | 184.1 | 50,200 |
| 105 | 60.6 | 181.3 | 46,500 |
| 110 | 59.0 | 178.3 | 43,200 |
| 115 | 57.3 | 175.1 | 40,300 |
| 120 | 55.5 | 171.7 | 37,500 |
| 125 | 53.8 | 168.1 | 35,100 |
| 130 | 52.0 | 164.2 | 32,800 |
| 135 | 50.1 | 160.1 | 30,700 |
| 140 | 48.2 | 155.7 | 28,700 |
| 145 | 46.2 | 150.9 | 26,900 |
| 150 | 44.2 | 145.9 | 25,300 |
| 155 | 42.1 | 140.4 | 23,700 |
| 160 | 39.8 | 134.5 | 22,300 |
| 165 | 37.5 | 128.1 | 20,900 |
| 170 | 35.1 | 121.1 | 19,600 |
| 175 | 32.4 | 113.5 | 17,800 * |
| 180 | 29.6 | 104.9 | 15,900 * |
| 185 | 26.5 | 95.3 | 14,000 * |
| 190 | 23.0 | 84.1 | 12,100 * |
| 195 | 18.9 | 70.6 | 10,200 * |

| Oper. Rad. Feet | Boom Ang. Deg. | Boom Point Elev. Feet | Boom Capacity Pounds |
|---------------------|----------------|-----------------------|----------------------|
| 210 Ft. BOOM | | | |
| 34 | 82.7 | 216.1 | 171,300 * |
| 36 | 82.1 | 215.8 | 169,200 * |
| 38 | 81.6 | 215.5 | 166,900 * |
| 40 | 81.0 | 215.2 | 164,500 * |
| 42 | 80.5 | 214.8 | 160,800 * |
| 44 | 79.9 | 214.4 | 155,000 * |
| 46 | 79.4 | 214.1 | 149,600 * |
| 48 | 78.8 | 213.6 | 144,800 * |
| 50 | 78.2 | 213.2 | 136,700 |
| 55 | 76.8 | 212.1 | 119,400 |
| 60 | 75.4 | 210.8 | 105,500 |
| 65 | 74.0 | 209.3 | 94,100 |
| 70 | 72.6 | 207.8 | 84,600 |
| 75 | 71.1 | 206.1 | 76,600 |
| 80 | 69.7 | 204.2 | 69,800 |
| 85 | 68.2 | 202.3 | 63,800 |
| 90 | 66.7 | 200.1 | 58,600 |
| 95 | 65.2 | 197.8 | 54,000 |
| 100 | 63.7 | 195.4 | 49,900 |
| 105 | 62.2 | 192.8 | 46,200 |
| 110 | 60.6 | 190.0 | 42,900 |
| 115 | 59.0 | 187.0 | 39,900 |
| 120 | 57.4 | 183.8 | 37,200 |
| 125 | 55.8 | 180.4 | 34,700 |
| 130 | 54.1 | 176.8 | 32,400 |
| 135 | 52.4 | 173.0 | 30,400 |
| 140 | 50.6 | 169.0 | 28,400 |
| 145 | 48.8 | 164.6 | 26,600 |
| 150 | 46.9 | 160.0 | 24,900 |
| 155 | 45.0 | 155.1 | 23,400 |
| 160 | 43.0 | 149.8 | 21,900 |
| 165 | 41.0 | 144.1 | 20,600 |
| 170 | 38.8 | 138.0 | 19,300 |
| 175 | 36.6 | 131.4 | 18,100 |
| 180 | 34.2 | 124.2 | 16,500 * |
| 185 | 31.6 | 116.3 | 14,700 * |
| 190 | 28.9 | 107.5 | 13,000 * |
| 195 | 25.8 | 97.6 | 11,300 * |
| 200 | 22.4 | 86.1 | 9,600 * |
| 205 | 18.4 | 72.2 | 7,800 * |



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

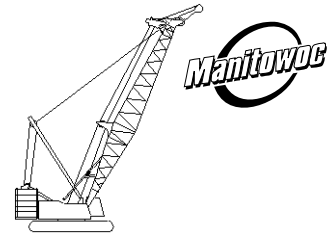
Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

999 SERIES 3

| Oper. Rad. Feet | Boom Ang. Deg. | Boom Point Elev. Feet | Boom Capacity Pounds |
|---------------------|----------------|-----------------------|----------------------|
| 220 Ft. BOOM | | | |
| 34 | 83.0 | 226.2 | 155,100 * |
| 36 | 82.5 | 225.9 | 154,700 * |
| 38 | 82.0 | 225.6 | 154,300 * |
| 40 | 81.4 | 225.3 | 153,800 * |
| 42 | 80.9 | 225.0 | 153,200 * |
| 44 | 80.4 | 224.6 | 150,500 * |
| 46 | 79.8 | 224.2 | 145,300 * |
| 48 | 79.3 | 223.9 | 140,500 * |
| 50 | 78.8 | 223.4 | 136,100 * |
| 55 | 77.5 | 222.3 | 119,000 |
| 60 | 76.1 | 221.1 | 105,100 |
| 65 | 74.8 | 219.8 | 93,800 |
| 70 | 73.4 | 218.3 | 84,300 |
| 75 | 72.0 | 216.7 | 76,300 |
| 80 | 70.7 | 214.9 | 69,400 |
| 85 | 69.3 | 213.0 | 63,400 |
| 90 | 67.9 | 211.0 | 58,200 |
| 95 | 66.4 | 208.8 | 53,600 |
| 100 | 65.0 | 206.5 | 49,500 |
| 105 | 63.6 | 204.1 | 45,800 |
| 110 | 62.1 | 201.4 | 42,500 |
| 115 | 60.6 | 198.6 | 39,500 |
| 120 | 59.1 | 195.6 | 36,800 |
| 125 | 57.5 | 192.5 | 34,300 |
| 130 | 56.0 | 189.1 | 32,100 |
| 135 | 54.4 | 185.6 | 30,000 |
| 140 | 52.7 | 181.8 | 28,000 |
| 145 | 51.1 | 177.8 | 26,200 |
| 150 | 49.4 | 173.6 | 24,500 |
| 155 | 47.6 | 169.0 | 23,000 |
| 160 | 45.8 | 164.2 | 21,500 |
| 165 | 43.9 | 159.1 | 20,200 |
| 170 | 42.0 | 153.6 | 18,900 |
| 175 | 40.0 | 147.7 | 17,700 |
| 180 | 37.9 | 141.4 | 16,600 |
| 185 | 35.7 | 134.6 | 15,100 * |
| 190 | 33.4 | 127.2 | 13,500 * |
| 195 | 30.9 | 119.0 | 11,900 * |
| 200 | 28.2 | 110.0 | 10,300 * |
| 205 | 25.2 | 99.8 | 8,700 * |
| 210 | 21.9 | 88.0 | 7,200 * |
| 215 | 17.9 | 73.7 | 5,500 * |

| Oper. Rad. Feet | Boom Ang. Deg. | Boom Point Elev. Feet | Boom Capacity Pounds |
|---------------------|----------------|-----------------------|----------------------|
| 230 Ft. BOOM | | | |
| 36 | 82.8 | 236.0 | 139,300 * |
| 38 | 82.3 | 235.7 | 138,800 * |
| 40 | 81.8 | 235.4 | 138,400 * |
| 42 | 81.3 | 235.1 | 138,000 * |
| 44 | 80.8 | 234.8 | 137,500 * |
| 46 | 80.3 | 234.4 | 137,100 * |
| 48 | 79.8 | 234.0 | 135,800 * |
| 50 | 79.3 | 233.6 | 132,500 * |
| 55 | 78.0 | 232.6 | 118,700 |
| 60 | 76.7 | 231.4 | 104,700 |
| 65 | 75.4 | 230.1 | 93,300 |
| 70 | 74.1 | 228.7 | 83,800 |
| 75 | 72.8 | 227.2 | 75,800 |
| 80 | 71.5 | 225.5 | 68,900 |
| 85 | 70.2 | 223.7 | 63,000 |
| 90 | 68.9 | 221.8 | 57,700 |
| 95 | 67.5 | 219.8 | 53,100 |
| 100 | 66.2 | 217.6 | 49,000 |
| 105 | 64.8 | 215.2 | 45,300 |
| 110 | 63.4 | 212.7 | 42,000 |
| 115 | 62.0 | 210.1 | 39,000 |
| 120 | 60.6 | 207.3 | 36,300 |
| 125 | 59.1 | 204.3 | 33,800 |
| 130 | 57.6 | 201.2 | 31,600 |
| 135 | 56.1 | 197.8 | 29,500 |
| 140 | 54.6 | 194.3 | 27,500 |
| 145 | 53.1 | 190.6 | 25,700 |
| 150 | 51.5 | 186.6 | 24,000 |
| 155 | 49.9 | 182.5 | 22,500 |
| 160 | 48.2 | 178.0 | 21,000 |
| 165 | 46.5 | 173.3 | 19,700 |
| 170 | 44.7 | 168.3 | 18,400 |
| 175 | 42.9 | 163.0 | 17,200 |
| 180 | 41.0 | 157.3 | 16,100 |
| 185 | 39.1 | 151.3 | 15,000 |
| 190 | 37.0 | 144.8 | 13,600 * |
| 195 | 34.9 | 137.7 | 12,000 * |
| 200 | 32.6 | 130.1 | 10,500 * |
| 205 | 30.2 | 121.7 | 9,000 * |
| 210 | 27.5 | 112.4 | 7,600 * |
| 215 | 24.6 | 101.9 | 6,200 * |
| 220 | 21.4 | 89.8 | 4,700 * |

| Oper. Rad. Feet | Boom Ang. Deg. | Boom Point Elev. Feet | Boom Capacity Pounds |
|---------------------|----------------|-----------------------|----------------------|
| 240 Ft. BOOM | | | |
| 38 | 82.6 | 245.8 | 126,300 * |
| 40 | 82.2 | 245.5 | 125,900 * |
| 42 | 81.7 | 245.2 | 125,500 * |
| 44 | 81.2 | 244.9 | 125,100 * |
| 46 | 80.7 | 244.6 | 124,600 * |
| 48 | 80.2 | 244.2 | 124,200 * |
| 50 | 79.7 | 243.8 | 123,700 * |
| 55 | 78.5 | 242.8 | 118,300 |
| 60 | 77.3 | 241.7 | 104,400 |
| 65 | 76.1 | 240.5 | 93,000 |
| 70 | 74.8 | 239.1 | 83,500 |
| 75 | 73.6 | 237.7 | 75,400 |
| 80 | 72.3 | 236.1 | 68,500 |
| 85 | 71.1 | 234.4 | 62,500 |
| 90 | 69.8 | 232.5 | 57,300 |
| 95 | 68.5 | 230.6 | 52,700 |
| 100 | 67.2 | 228.5 | 48,600 |
| 105 | 65.9 | 226.3 | 44,900 |
| 110 | 64.6 | 223.9 | 41,600 |
| 115 | 63.3 | 221.4 | 38,600 |
| 120 | 61.9 | 218.7 | 35,900 |
| 125 | 60.5 | 215.9 | 33,400 |
| 130 | 59.2 | 213.0 | 31,100 |
| 135 | 57.7 | 209.8 | 29,000 |
| 140 | 56.3 | 206.5 | 27,100 |
| 145 | 54.9 | 203.0 | 25,300 |
| 150 | 53.4 | 199.3 | 23,600 |
| 155 | 51.9 | 195.4 | 22,100 |
| 160 | 50.3 | 191.3 | 20,600 |
| 165 | 48.7 | 187.0 | 19,200 |
| 170 | 47.1 | 182.4 | 18,000 |
| 175 | 45.4 | 177.5 | 16,800 |
| 180 | 43.7 | 172.3 | 15,600 |
| 185 | 41.9 | 166.8 | 14,600 |
| 190 | 40.1 | 161.0 | 13,500 |
| 195 | 38.2 | 154.7 | 12,100 * |
| 200 | 36.2 | 148.0 | 10,700 * |
| 205 | 34.1 | 140.8 | 9,300 * |
| 210 | 31.9 | 132.9 | 7,900 * |
| 215 | 29.5 | 124.3 | 6,600 * |
| 220 | 26.9 | 114.8 | 5,300 * |



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

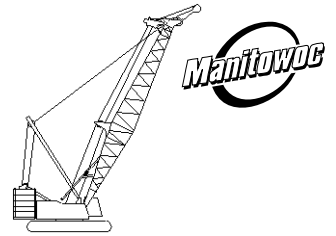
Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

999 SERIES 3

| Oper. Rad. Feet | Boom Ang. Deg. | Boom Point Elev. Feet | Boom Capacity Pounds |
|---------------------|----------------|-----------------------|----------------------|
| 250 Ft. BOOM | | | |
| 38 | 82.9 | 255.9 | 114,500 * |
| 40 | 82.5 | 255.6 | 114,100 * |
| 42 | 82.0 | 255.3 | 113,800 * |
| 44 | 81.5 | 255.0 | 113,400 * |
| 46 | 81.1 | 254.7 | 113,000 * |
| 48 | 80.6 | 254.4 | 112,600 * |
| 50 | 80.1 | 254.0 | 112,200 * |
| 55 | 79.0 | 253.0 | 111,100 * |
| 60 | 77.8 | 252.0 | 104,700 |
| 65 | 76.6 | 250.8 | 93,300 |
| 70 | 75.4 | 249.5 | 83,800 |
| 75 | 74.3 | 248.1 | 75,800 |
| 80 | 73.1 | 246.6 | 68,900 |
| 85 | 71.9 | 244.9 | 62,900 |
| 90 | 70.6 | 243.2 | 57,700 |
| 95 | 69.4 | 241.3 | 53,000 |
| 100 | 68.2 | 239.3 | 48,900 |
| 105 | 66.9 | 237.2 | 45,300 |
| 110 | 65.7 | 235.0 | 42,000 |
| 115 | 64.4 | 232.6 | 39,000 |
| 120 | 63.1 | 230.1 | 36,200 |
| 125 | 61.8 | 227.4 | 33,700 |
| 130 | 60.5 | 224.6 | 31,500 |
| 135 | 59.2 | 221.6 | 29,400 |
| 140 | 57.8 | 218.5 | 27,400 |
| 145 | 56.5 | 215.2 | 25,600 |
| 150 | 55.1 | 211.7 | 24,000 |
| 155 | 53.6 | 208.1 | 22,400 |
| 160 | 52.2 | 204.2 | 20,900 |
| 165 | 50.7 | 200.2 | 19,600 |
| 170 | 49.2 | 195.9 | 18,300 |
| 175 | 47.7 | 191.4 | 17,100 |
| 180 | 46.1 | 186.6 | 16,000 |
| 185 | 44.5 | 181.6 | 14,900 |
| 190 | 42.8 | 176.3 | 13,900 |
| 195 | 41.1 | 170.6 | 12,900 |
| 200 | 39.3 | 164.5 | 11,800 * |
| 205 | 37.4 | 158.1 | 10,400 * |
| 210 | 35.4 | 151.2 | 9,100 * |
| 215 | 33.4 | 143.7 | 7,800 * |
| 220 | 31.2 | 135.7 | 6,500 * |
| 225 | 28.9 | 126.8 | 5,300 * |
| 230 | 26.4 | 117.1 | 4,100 * |

| Oper. Rad. Feet | Boom Ang. Deg. | Boom Point Elev. Feet | Boom Capacity Pounds |
|---------------------|----------------|-----------------------|----------------------|
| 260 Ft. BOOM | | | |
| 40 | 82.8 | 265.7 | 104,300 * |
| 42 | 82.3 | 265.4 | 103,900 * |
| 44 | 81.9 | 265.2 | 103,600 * |
| 46 | 81.4 | 264.8 | 103,200 * |
| 48 | 81.0 | 264.5 | 102,800 * |
| 50 | 80.5 | 264.2 | 102,400 * |
| 55 | 79.4 | 263.2 | 101,400 * |
| 60 | 78.3 | 262.2 | 100,300 * |
| 65 | 77.2 | 261.1 | 92,900 |
| 70 | 76.0 | 259.8 | 83,400 |
| 75 | 74.9 | 258.5 | 75,400 |
| 80 | 73.7 | 257.0 | 68,500 |
| 85 | 72.6 | 255.5 | 62,500 |
| 90 | 71.4 | 253.8 | 57,300 |
| 95 | 70.2 | 252.0 | 52,600 |
| 100 | 69.1 | 250.1 | 48,500 |
| 105 | 67.9 | 248.1 | 44,800 |
| 110 | 66.7 | 245.9 | 41,500 |
| 115 | 65.5 | 243.7 | 38,500 |
| 120 | 64.2 | 241.3 | 35,800 |
| 125 | 63.0 | 238.7 | 33,300 |
| 130 | 61.8 | 236.1 | 31,000 |
| 135 | 60.5 | 233.3 | 28,900 |
| 140 | 59.2 | 230.3 | 27,000 |
| 145 | 57.9 | 227.2 | 25,200 |
| 150 | 56.6 | 223.9 | 23,500 |
| 155 | 55.3 | 220.5 | 22,000 |
| 160 | 53.9 | 216.8 | 20,500 |
| 165 | 52.5 | 213.0 | 19,200 |
| 170 | 51.1 | 209.0 | 17,900 |
| 175 | 49.7 | 204.8 | 16,700 |
| 180 | 48.2 | 200.4 | 15,500 |
| 185 | 46.7 | 195.7 | 14,500 |
| 190 | 45.1 | 190.8 | 13,500 |
| 195 | 43.5 | 185.6 | 12,500 |
| 200 | 41.9 | 180.1 | 11,600 |
| 205 | 40.2 | 174.2 | 10,400 * |
| 210 | 38.5 | 168.0 | 9,100 * |
| 215 | 36.6 | 161.4 | 7,800 * |
| 220 | 34.7 | 154.3 | 6,600 * |
| 225 | 32.7 | 146.7 | 5,400 * |
| 230 | 30.6 | 138.4 | 4,300 * |

| Oper. Rad. Feet | Boom Ang. Deg. | Boom Point Elev. Feet | Boom Capacity Pounds |
|---------------------|----------------|-----------------------|----------------------|
| 270 Ft. BOOM | | | |
| 40 | 83.0 | 275.8 | 95,100 * |
| 42 | 82.6 | 275.5 | 94,800 * |
| 44 | 82.2 | 275.3 | 94,400 * |
| 46 | 81.7 | 275.0 | 94,100 * |
| 48 | 81.3 | 274.6 | 93,700 * |
| 50 | 80.9 | 274.3 | 93,300 * |
| 55 | 79.8 | 273.4 | 92,400 * |
| 60 | 78.7 | 272.4 | 91,400 * |
| 65 | 77.6 | 271.3 | 90,300 * |
| 70 | 76.5 | 270.2 | 83,000 |
| 75 | 75.5 | 268.9 | 74,900 |
| 80 | 74.4 | 267.5 | 68,000 |
| 85 | 73.2 | 266.0 | 62,000 |
| 90 | 72.1 | 264.4 | 56,800 |
| 95 | 71.0 | 262.7 | 52,200 |
| 100 | 69.9 | 260.8 | 48,000 |
| 105 | 68.7 | 258.9 | 44,400 |
| 110 | 67.6 | 256.8 | 41,000 |
| 115 | 66.4 | 254.7 | 38,000 |
| 120 | 65.3 | 252.4 | 35,300 |
| 125 | 64.1 | 250.0 | 32,800 |
| 130 | 62.9 | 247.4 | 30,500 |
| 135 | 61.7 | 244.7 | 28,400 |
| 140 | 60.5 | 241.9 | 26,500 |
| 145 | 59.2 | 239.0 | 24,700 |
| 150 | 58.0 | 235.9 | 23,000 |
| 155 | 56.7 | 232.6 | 21,400 |
| 160 | 55.4 | 229.2 | 20,000 |
| 165 | 54.1 | 225.6 | 18,600 |
| 170 | 52.8 | 221.8 | 17,400 |
| 175 | 51.5 | 217.9 | 16,200 |
| 180 | 50.1 | 213.7 | 15,000 |
| 185 | 48.7 | 209.3 | 14,000 |
| 190 | 47.2 | 204.8 | 12,900 |
| 195 | 45.8 | 199.9 | 12,000 |
| 200 | 44.2 | 194.8 | 11,100 |
| 205 | 42.7 | 189.5 | 10,100 * |
| 210 | 41.1 | 183.8 | 8,800 * |
| 215 | 39.4 | 177.8 | 7,600 * |
| 220 | 37.7 | 171.4 | 6,400 * |
| 225 | 35.9 | 164.6 | 5,300 * |
| 230 | 34.0 | 157.3 | 4,200 * |



Liftcrane Boom Capacities

Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

**Meets
ANSI B30.5
Requirements**

999 SERIES 3

| Oper. Rad. Feet | Boom Ang. Deg. | Boom Point Elev. Feet | Boom Capacity Pounds |
|---------------------|----------------|-----------------------|----------------------|
| 280 Ft. BOOM | | | |
| 42 | 82.9 | 285.6 | 85,800 * |
| 44 | 82.5 | 285.4 | 85,500 * |
| 46 | 82.0 | 285.1 | 85,200 * |
| 48 | 81.6 | 284.8 | 84,800 * |
| 50 | 81.2 | 284.5 | 84,500 * |
| 55 | 80.2 | 283.6 | 83,600 * |
| 60 | 79.1 | 282.6 | 82,700 * |
| 65 | 78.1 | 281.6 | 81,800 * |
| 70 | 77.0 | 280.4 | 80,800 * |
| 75 | 76.0 | 279.2 | 74,500 |
| 80 | 74.9 | 277.9 | 67,600 |
| 85 | 73.9 | 276.4 | 61,600 |
| 90 | 72.8 | 274.9 | 56,400 |
| 95 | 71.7 | 273.2 | 51,700 |
| 100 | 70.6 | 271.5 | 47,600 |
| 105 | 69.5 | 269.6 | 43,900 |
| 110 | 68.4 | 267.7 | 40,600 |
| 115 | 67.3 | 265.6 | 37,600 |
| 120 | 66.2 | 263.4 | 34,900 |
| 125 | 65.1 | 261.1 | 32,400 |
| 130 | 63.9 | 258.6 | 30,100 |
| 135 | 62.8 | 256.1 | 28,000 |
| 140 | 61.6 | 253.4 | 26,000 |
| 145 | 60.5 | 250.6 | 24,200 |
| 150 | 59.3 | 247.6 | 22,600 |
| 155 | 58.1 | 244.5 | 21,000 |
| 160 | 56.8 | 241.3 | 19,500 |
| 165 | 55.6 | 237.9 | 18,200 |
| 170 | 54.4 | 234.3 | 16,900 |
| 175 | 53.1 | 230.6 | 15,700 |
| 180 | 51.8 | 226.7 | 14,600 |
| 185 | 50.5 | 222.6 | 13,500 |
| 190 | 49.1 | 218.3 | 12,500 |
| 195 | 47.7 | 213.8 | 11,500 |
| 200 | 46.3 | 209.0 | 10,600 |
| 205 | 44.9 | 204.1 | 9,800 |
| 210 | 43.4 | 198.8 | 8,700 * |
| 215 | 41.9 | 193.3 | 7,500 * |
| 220 | 40.3 | 187.5 | 6,300 * |
| 225 | 38.7 | 181.3 | 5,200 * |
| 230 | 37.0 | 174.8 | 4,100 * |

| Oper. Rad. Feet | Boom Ang. Deg. | Boom Point Elev. Feet | Boom Capacity Pounds |
|---------------------|----------------|-----------------------|----------------------|
| 290 Ft. BOOM | | | |
| 44 | 82.7 | 295.5 | 78,200 * |
| 46 | 82.3 | 295.2 | 77,900 * |
| 48 | 81.9 | 294.9 | 77,600 * |
| 50 | 81.5 | 294.6 | 77,200 * |
| 55 | 80.5 | 293.7 | 76,400 * |
| 60 | 79.5 | 292.8 | 75,500 * |
| 65 | 78.5 | 291.8 | 74,600 * |
| 70 | 77.5 | 290.7 | 73,700 * |
| 75 | 76.5 | 289.5 | 72,700 * |
| 80 | 75.5 | 288.2 | 67,200 |
| 85 | 74.4 | 286.8 | 61,200 |
| 90 | 73.4 | 285.4 | 56,000 |
| 95 | 72.4 | 283.8 | 51,300 |
| 100 | 71.3 | 282.1 | 47,200 |
| 105 | 70.3 | 280.3 | 43,500 |
| 110 | 69.2 | 278.4 | 40,200 |
| 115 | 68.2 | 276.4 | 37,200 |
| 120 | 67.1 | 274.3 | 34,500 |
| 125 | 66.0 | 272.1 | 32,000 |
| 130 | 64.9 | 269.8 | 29,700 |
| 135 | 63.8 | 267.3 | 27,600 |
| 140 | 62.7 | 264.8 | 25,600 |
| 145 | 61.6 | 262.1 | 23,800 |
| 150 | 60.4 | 259.2 | 22,100 |
| 155 | 59.3 | 256.3 | 20,600 |
| 160 | 58.1 | 253.2 | 19,100 |
| 165 | 57.0 | 250.0 | 17,800 |
| 170 | 55.8 | 246.6 | 16,500 |
| 175 | 54.6 | 243.0 | 15,300 |
| 180 | 53.3 | 239.3 | 14,100 |
| 185 | 52.1 | 235.5 | 13,100 |
| 190 | 50.8 | 231.4 | 12,100 |
| 195 | 49.5 | 227.2 | 11,100 |
| 200 | 48.2 | 222.7 | 10,200 |
| 205 | 46.8 | 218.1 | 9,300 |
| 210 | 45.5 | 213.2 | 8,500 |
| 215 | 44.0 | 208.1 | 7,300 * |
| 220 | 42.6 | 202.7 | 6,200 * |
| 225 | 41.1 | 197.0 | 5,000 * |
| 230 | 39.6 | 191.1 | 4,000 * |