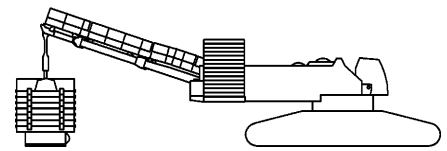


# Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56  
492,000 Lb. Crane Counterweight  
320,000 Lb. Carbody Counterweight  
0 Lb. thru 863,800 Lb. Hanging Counterweight  
at 59 Ft. Position  
360 Degree Rating

Meets  
ANSI B30.5  
Requirements

18000 With  
21000 MAX-ER



**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 (\*).

**Note 1:** Capacities above 1,322,800 Lbs. thru 1,457,700 Lbs. require 55A boom top.

Hanging counterweight must be attached to support beam and MAX-ER mode must be selected to operate. Minimum boom capacity to raise hanging counterweight free of ground support is required for swing and travel. Do not allow hanging counterweight to contact ground while swinging and traveling. Exit MAX-ER mode before operating without hanging counterweight.

Simultaneous hoisting of both load drums is required for even block travel.

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 mast up. Refer to boom rigging No. A05377, Wire Rope Specification chart No. 8573-A or 8573-B and Counterweight Arrangement chart No. 8577-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 Operator's Manual for operating guidelines.

| Deduct From Capacities When Jib is Attached                                                    |             |
|------------------------------------------------------------------------------------------------|-------------|
| Jib Length                                                                                     | Jib No. 79A |
| 50 Ft.                                                                                         | 106,100 Lb. |
| 70 Ft.                                                                                         | 123,600 Lb. |
| 90 Ft.                                                                                         | 143,800 Lb. |
| 110 Ft.                                                                                        | 159,400 Lb. |
| Weight of jib and 27,000 Lb. suspended beneath jib point sheaves have been included in deduct. |             |

Consult jib chart No. 8665-A for jib capacities.  
Upper boom point cannot be used when jib is attached.

**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 Swing and Travel Specification chart No. 8664-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 MAX-ER, 38 Ft. 9 in. crawlers, 60 in. treads, 30 Ft. live mast, 140 Ft. mast, 16 part boom hoist reeving, boom support straps, 492,000 Lb. crane counterweight, 320,000 Lb. carbody counterweight and hanging counterweight as specified.

**WARNING:** Check amount of hanging counterweight on machine before use of this chart. Refer to Counterweight Assembly.

## Boom Catwalks Deduct

Deduct 800 Lb. from capacities when boom catwalks are attached.

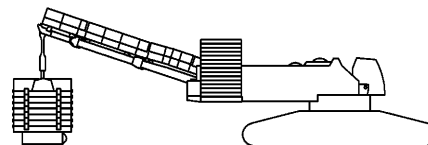
| Upper Boom Point Capacity<br>For Liftcrane Service - Whip Line                               |            |            |
|----------------------------------------------------------------------------------------------|------------|------------|
| 28 mm                                                                                        |            | 32 mm      |
| Drum 2                                                                                       | Drum 3     | Drum 2     |
| Single Part Line                                                                             |            |            |
| 35,800 Lb.                                                                                   | 30,000 Lb. | 48,800 Lb. |
| Two Part Line                                                                                |            |            |
| Upper Boom Point No. 170419                                                                  |            |            |
| 60,000 Lb.                                                                                   | 60,000 Lb. | 60,000 Lb. |
| Upper Boom Point No. A08516                                                                  |            |            |
| 71,600 Lb.                                                                                   | 60,000 Lb. | 97,600 Lb. |
| In all cases, upper boom point capacities cannot exceed those listed for main boom capacity. |            |            |

# Liftcrane Boom Capacities

**Boom No. 55 or No. 55A with 140 Ft. Mast No. 56**  
**492,000 Lb. Crane Counterweight**  
**320,000 Lb. Carbody Counterweight**  
**0 Lb. thru 863,800 Lb. Hanging Counterweight**  
**at 59 Ft. Position**  
**360 Degree Rating**

**Meets**  
**ANSI B30.5**  
**Requirements**

**18000 With**  
**21000 MAX-ER**



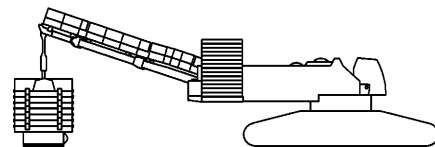
| Maximum Boom and Jib Lengths Lifted Unassisted       |            |                                                    |            |
|------------------------------------------------------|------------|----------------------------------------------------|------------|
| Over End<br>of Blocked Crawlers                      |            | Over Side or End<br>of Unblocked Crawlers          |            |
| Boom Length                                          | Jib Length | Boom Length                                        | Jib Length |
| 0 Lb. Hanging Counterweight                          |            |                                                    |            |
| 340 Ft.                                              | —          | 300 Ft.                                            | —          |
| 320 Ft.                                              | —          | 280 Ft.                                            | —          |
| 300 Ft.                                              | —          | 260 Ft.                                            | —          |
| 280 Ft.                                              | —          | 240 Ft.                                            | —          |
| 260 Ft.                                              | —          | 220 Ft.                                            | —          |
| 240 Ft.                                              | —          | 200 Ft.                                            | 50 Ft.     |
| 220 Ft.                                              | 50 Ft.     | 180 Ft.                                            | 90 Ft.     |
| 200 Ft.                                              | 90 Ft.     | 160 Ft.                                            | 110 Ft.    |
| 180 Ft.                                              | 110 Ft.    |                                                    |            |
| Over Side or End of Unblocked Crawlers               |            |                                                    |            |
| 247,800 Lb.<br>Hanging Counterweight                 |            | 467,800 Lb.<br>Hanging Counterweight               |            |
| 400 Ft.                                              | —          | 440 Ft.                                            | —          |
| 380 Ft.                                              | —          | 420 Ft.                                            | —          |
| 360 Ft.                                              | —          | 400 Ft.                                            | —          |
| 340 Ft.                                              | —          | 380 Ft.                                            | —          |
| 320 Ft.                                              | —          | 360 Ft.                                            | —          |
| 300 Ft.                                              | —          | 340 Ft.                                            | 50 Ft.     |
| 280 Ft.                                              | 50 Ft.     | 320 Ft.                                            | 70 Ft.     |
| 260 Ft.                                              | 90 Ft.     | 300 Ft.                                            | 110 Ft.    |
| 240 Ft.                                              | 110 Ft.    |                                                    |            |
| 599,800 Lb.<br>Hanging Counterweight                 |            | 775,800 Lb. - 863,800 Lb.<br>Hanging Counterweight |            |
| 440 Ft.                                              | —          | 440 Ft.                                            | —          |
| 420 Ft.                                              | —          |                                                    |            |
| 400 Ft.                                              | —          |                                                    |            |
| 380 Ft.                                              | —          |                                                    |            |
| 360 Ft.                                              | —          |                                                    |            |
| 340 Ft.                                              | 70 Ft.     |                                                    |            |
| 320 Ft.                                              | 110 Ft.    |                                                    |            |
| Load block, hook and weight ball on ground at start. |            |                                                    |            |

# Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56  
492,000 Lb. Crane Counterweight  
320,000 Lb. Carbody Counterweight  
0 Lb. thru 863,800 Lb. Hanging Counterweight  
at 59 Ft. Position  
360 Degree Rating

Meets  
ANSI B30.5  
Requirements

## 18000 With 21000 MAX-ER



### 140 Ft. Boom

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 0 Lb. Hanging<br>Counterweight | 247,800 Lb. Hanging<br>Counterweight                            |                            | 467,800 Lb. Hanging<br>Counterweight                            |                            | 599,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>Pounds     | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 28                    | 82.6                 | 149.6                          | 1,103,500*                     | 1,060,800                                                       | 1,457,700* <sup>1</sup>    |                                                                 |                            |                                                                 |                            | 28                    |
| 30                    | 81.7                 | 149.2                          | 1,031,100*                     | 964,000                                                         | 1,363,200* <sup>1</sup>    |                                                                 |                            |                                                                 |                            | 30                    |
| 32                    | 80.9                 | 148.8                          | 967,100*                       | 882,400                                                         | 1,279,700*                 |                                                                 |                            |                                                                 |                            | 32                    |
| 34                    | 80.1                 | 148.4                          | 910,200*                       | 812,600                                                         | 1,205,500*                 |                                                                 |                            |                                                                 |                            | 34                    |
| 36                    | 79.2                 | 148.0                          | 859,300*                       | 752,300                                                         | 1,139,100*                 |                                                                 |                            |                                                                 |                            | 36                    |
| 38                    | 78.4                 | 147.5                          | 813,500*                       | 699,500                                                         | 1,079,300*                 | 1,107,200                                                       | 1,315,400*                 |                                                                 |                            | 38                    |
| 40                    | 77.5                 | 147.0                          | 772,000*                       | 653,000                                                         | 1,025,200*                 | 1,036,300                                                       | 1,250,000*                 |                                                                 |                            | 40                    |
| 45                    | 75.4                 | 145.6                          | 683,700*                       | 557,800                                                         | 910,100*                   | 891,300                                                         | 1,111,000*                 |                                                                 |                            | 45                    |
| 50                    | 73.3                 | 144.0                          | 607,400*                       | 484,400                                                         | 817,000*                   | 779,500                                                         | 998,600*                   |                                                                 |                            | 50                    |
| 55                    | 71.1                 | 142.2                          | 544,400*                       | 426,100                                                         | 740,200*                   | 690,600                                                         | 905,900*                   | 849,600                                                         | 1,005,300*                 | 55                    |
| 60                    | 68.9                 | 140.2                          | 492,200*                       | 378,600                                                         | 675,700*                   | 618,300                                                         | 828,100*                   | 762,300                                                         | 919,500*                   | 60                    |
| 65                    | 66.6                 | 137.9                          | 448,300*                       | 339,100                                                         | 620,800*                   | 558,200                                                         | 761,900*                   | 689,900                                                         | 846,500*                   | 65                    |
| 70                    | 64.4                 | 135.4                          | 410,800*                       | 305,800                                                         | 573,500*                   | 507,500                                                         | 704,800*                   | 628,800                                                         | 783,500*                   | 70                    |
| 75                    | 62.0                 | 132.7                          | 378,500*                       | 277,400                                                         | 532,400*                   | 464,200                                                         | 655,100*                   | 576,500                                                         | 728,800*                   | 75                    |
| 80                    | 59.6                 | 129.7                          | 350,200*                       | 252,700                                                         | 496,200*                   | 426,700                                                         | 611,500*                   | 531,300                                                         | 680,600*                   | 80                    |
| 85                    | 57.2                 | 126.4                          | 325,400*                       | 231,200                                                         | 463,300*                   | 394,000                                                         | 572,800*                   | 491,800                                                         | 638,000*                   | 85                    |
| 90                    | 54.6                 | 122.7                          | 303,400*                       | 212,100                                                         | 433,400*                   | 365,100                                                         | 538,300*                   | 457,000                                                         | 600,000*                   | 90                    |
| 95                    | 52.0                 | 118.7                          | 281,100                        | 195,200                                                         | 406,700*                   | 339,400                                                         | 507,400*                   | 426,000                                                         | 565,900*                   | 95                    |
| 100                   | 49.3                 | 114.3                          | 261,000                        | 180,100                                                         | 382,800*                   | 316,400                                                         | 479,500*                   | 398,300                                                         | 535,100*                   | 100                   |
| 105                   | 46.5                 | 109.5                          | 243,100                        | 166,400                                                         | 361,100*                   | 295,700                                                         | 454,100*                   | 373,300                                                         | 507,200*                   | 105                   |
| 110                   | 43.5                 | 104.1                          | 227,100                        | 154,000                                                         | 341,400*                   | 276,900                                                         | 431,000*                   | 350,700                                                         | 481,700*                   | 110                   |
| 115                   | 40.3                 | 98.1                           | 212,600                        | 142,700                                                         | 323,500*                   | 259,700                                                         | 409,900*                   | 330,100                                                         | 458,400*                   | 115                   |
| 120                   | 36.8                 | 91.4                           | 199,500                        | 132,300                                                         | 307,000*                   | 244,000                                                         | 390,400*                   | 311,200                                                         | 436,900*                   | 120                   |
| 125                   | 33.1                 | 83.6                           | 187,500                        | 122,700                                                         | 291,800*                   | 229,500                                                         | 372,500*                   | 293,700                                                         | 417,200*                   | 125                   |
| 130                   | 28.8                 | 74.6                           | 176,500                        | 113,800                                                         | 277,800*                   | 216,000                                                         | 355,900*                   | 277,500                                                         | 392,300*                   | 130                   |
| 135                   | 23.9                 | 63.5                           | 166,400                        | 105,300                                                         | 264,800*                   | 203,400                                                         | 340,100*                   | 262,300                                                         | 367,300*                   | 135                   |
| 140                   | 17.5                 | 48.8                           | 157,000                        | 97,200                                                          | 252,600*                   | 191,200                                                         | 316,000*                   | 247,800                                                         | 341,700*                   | 140                   |

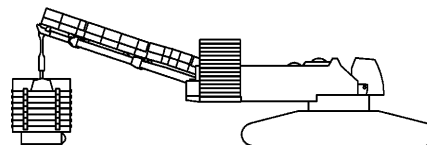
**Note 1:** Capacities above 1,322,800 Lbs. thru 1,457,700 Lbs.  
require 55A boom top.

# Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56  
 492,000 Lb. Crane Counterweight  
 320,000 Lb. Carbody Counterweight  
 0 Lb. thru 863,800 Lb. Hanging Counterweight  
 at 59 Ft. Position  
 360 Degree Rating

Meets  
 ANSI B30.5  
 Requirements

**18000 With  
 21000 MAX-ER**



## 140 Ft. Boom

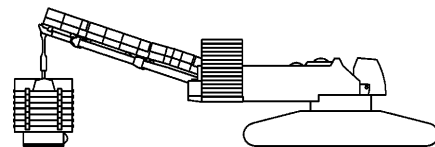
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 775,800 Lb. Hanging<br>Counterweight                            |                            |
|-----------------------|----------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|
|                       |                      |                                | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |
| 28                    |                      |                                |                                                                 |                            |
| 30                    |                      |                                |                                                                 |                            |
| 32                    |                      |                                |                                                                 |                            |
| 34                    |                      |                                |                                                                 |                            |
| 36                    |                      |                                |                                                                 |                            |
| 38                    |                      |                                |                                                                 |                            |
| 40                    |                      |                                |                                                                 |                            |
| 45                    |                      |                                |                                                                 |                            |
| 50                    |                      |                                |                                                                 |                            |
| 55                    |                      |                                |                                                                 |                            |
| 60                    |                      |                                |                                                                 |                            |
| 65                    |                      |                                |                                                                 |                            |
| 70                    |                      |                                |                                                                 |                            |
| 75                    |                      |                                |                                                                 |                            |
| 80                    |                      |                                |                                                                 |                            |
| 85                    |                      |                                |                                                                 |                            |
| 90                    | 54.6                 | 122.7                          | 579,600                                                         | 682,200*                   |
| 95                    | 52.0                 | 118.7                          | 541,600                                                         | 643,800*                   |
| 100                   | 49.3                 | 114.3                          | 507,600                                                         | 609,200*                   |
| 105                   | 46.5                 | 109.5                          | 476,900                                                         | 577,800*                   |
| 110                   | 43.5                 | 104.1                          | 449,200                                                         | 549,200*                   |
| 115                   | 40.3                 | 98.1                           | 423,900                                                         | 518,900*                   |
| 120                   | 36.8                 | 91.4                           | 400,700                                                         | 487,700*                   |
| 125                   | 33.1                 | 83.6                           | 379,300                                                         | 458,400*                   |
| 130                   | 28.8                 | 74.6                           | 359,500                                                         | 430,600*                   |
| 135                   | 23.9                 | 63.5                           | 340,900                                                         | 403,500*                   |
| 140                   | 17.5                 | 48.8                           | 323,100                                                         | 375,900*                   |

# Liftcrane Boom Capacities

**Boom No. 55 or No. 55A with 140 Ft. Mast No. 56**  
**492,000 Lb. Crane Counterweight**  
**320,000 Lb. Carbody Counterweight**  
**0 Lb. thru 863,800 Lb. Hanging Counterweight**  
**at 59 Ft. Position**  
**360 Degree Rating**

Meets  
 ANSI B30.5  
 Requirements

## 18000 With 21000 MAX-ER



### 160 Ft. Boom

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 0 Lb. Hanging<br>Counterweight | 247,800 Lb. Hanging<br>Counterweight                            |                            | 467,800 Lb. Hanging<br>Counterweight                            |                            | 599,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>Pounds     | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 30                    | 82.8                 | 169.5                          | 1,027,100*                     | 978,900                                                         | 1,359,200* <sup>1</sup>    |                                                                 |                            |                                                                 |                            | 30                    |
| 32                    | 82.0                 | 169.1                          | 963,200*                       | 894,900                                                         | 1,275,800*                 |                                                                 |                            |                                                                 |                            | 32                    |
| 34                    | 81.3                 | 168.8                          | 906,300*                       | 823,200                                                         | 1,201,700*                 |                                                                 |                            |                                                                 |                            | 34                    |
| 36                    | 80.6                 | 168.4                          | 855,500*                       | 761,300                                                         | 1,135,300*                 |                                                                 |                            |                                                                 |                            | 36                    |
| 38                    | 79.9                 | 168.0                          | 809,700*                       | 707,200                                                         | 1,075,500*                 |                                                                 |                            |                                                                 |                            | 38                    |
| 40                    | 79.1                 | 167.6                          | 768,300*                       | 659,600                                                         | 1,021,500*                 | 1,048,400                                                       | 1,246,300*                 |                                                                 |                            | 40                    |
| 45                    | 77.3                 | 166.4                          | 680,000*                       | 562,300                                                         | 906,400*                   | 900,200                                                         | 1,107,300*                 |                                                                 |                            | 45                    |
| 50                    | 75.4                 | 165.0                          | 604,200*                       | 487,400                                                         | 813,300*                   | 786,100                                                         | 995,000*                   |                                                                 |                            | 50                    |
| 55                    | 73.6                 | 163.4                          | 541,100*                       | 428,000                                                         | 736,600*                   | 695,600                                                         | 902,300*                   |                                                                 |                            | 55                    |
| 60                    | 71.7                 | 161.7                          | 489,000*                       | 379,600                                                         | 672,200*                   | 622,000                                                         | 824,500*                   | 767,600                                                         | 916,000*                   | 60                    |
| 65                    | 69.7                 | 159.8                          | 445,100*                       | 339,600                                                         | 617,300*                   | 560,900                                                         | 758,400*                   | 694,000                                                         | 843,000*                   | 65                    |
| 70                    | 67.8                 | 157.6                          | 407,700*                       | 305,800                                                         | 570,100*                   | 509,500                                                         | 701,300*                   | 632,000                                                         | 780,100*                   | 70                    |
| 75                    | 65.8                 | 155.3                          | 375,300*                       | 276,900                                                         | 529,000*                   | 465,600                                                         | 651,700*                   | 579,000                                                         | 725,300*                   | 75                    |
| 80                    | 63.8                 | 152.8                          | 347,100*                       | 251,900                                                         | 492,800*                   | 427,600                                                         | 608,100*                   | 533,200                                                         | 677,200*                   | 80                    |
| 85                    | 61.8                 | 150.0                          | 322,300*                       | 230,100                                                         | 460,200*                   | 394,500                                                         | 569,500*                   | 493,200                                                         | 634,700*                   | 85                    |
| 90                    | 59.7                 | 147.0                          | 300,300*                       | 210,900                                                         | 430,300*                   | 365,300                                                         | 535,000*                   | 458,000                                                         | 596,700*                   | 90                    |
| 95                    | 57.5                 | 143.7                          | 278,800                        | 193,900                                                         | 403,700*                   | 339,300                                                         | 504,100*                   | 426,800                                                         | 562,600*                   | 95                    |
| 100                   | 55.3                 | 140.2                          | 258,700                        | 178,600                                                         | 379,700*                   | 316,100                                                         | 476,200*                   | 398,800                                                         | 531,800*                   | 100                   |
| 105                   | 53.1                 | 136.4                          | 240,800                        | 164,800                                                         | 358,100*                   | 295,300                                                         | 450,900*                   | 373,700                                                         | 503,900*                   | 105                   |
| 110                   | 50.8                 | 132.2                          | 224,800                        | 152,400                                                         | 338,500*                   | 276,400                                                         | 427,900*                   | 350,900                                                         | 478,500*                   | 110                   |
| 115                   | 48.3                 | 127.7                          | 210,300                        | 141,100                                                         | 320,500*                   | 259,200                                                         | 406,800*                   | 330,200                                                         | 455,300*                   | 115                   |
| 120                   | 45.8                 | 122.7                          | 197,200                        | 130,700                                                         | 304,100*                   | 243,500                                                         | 387,400*                   | 311,300                                                         | 433,900*                   | 120                   |
| 125                   | 43.2                 | 117.3                          | 185,300                        | 121,200                                                         | 289,000*                   | 229,100                                                         | 369,500*                   | 294,000                                                         | 414,200*                   | 125                   |
| 130                   | 40.4                 | 111.4                          | 174,400                        | 112,400                                                         | 275,100*                   | 215,800                                                         | 352,900*                   | 277,900                                                         | 395,900*                   | 130                   |
| 135                   | 37.4                 | 104.8                          | 164,300                        | 104,200                                                         | 262,200*                   | 203,500                                                         | 337,600*                   | 263,100                                                         | 379,000*                   | 135                   |
| 140                   | 34.3                 | 97.4                           | 155,100                        | 96,600                                                          | 250,200*                   | 192,000                                                         | 323,300*                   | 249,300                                                         | 363,200*                   | 140                   |
| 145                   | 30.8                 | 89.0                           | 146,500                        | 89,500                                                          | 239,000*                   | 181,200                                                         | 309,900*                   | 236,400                                                         | 348,500*                   | 145                   |
| 150                   | 26.8                 | 79.2                           | 138,500                        | 82,700                                                          | 228,500*                   | 171,100                                                         | 297,100*                   | 224,200                                                         | 330,800*                   | 150                   |
| 155                   | 22.2                 | 67.2                           | 131,000                        | 76,300                                                          | 218,700*                   | 161,500                                                         | 285,100*                   | 212,700                                                         | 310,800*                   | 155                   |
| 160                   | 16.2                 | 51.3                           | 124,000                        | 70,000                                                          | 209,400*                   | 152,100                                                         | 267,200*                   | 201,500                                                         | 290,100*                   | 160                   |

**Note 1:** Capacities above 1,322,800 Lbs. thru 1,457,700 Lbs.  
 require 55A boom top.

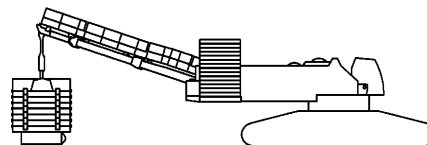


# Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56  
 492,000 Lb. Crane Counterweight  
 320,000 Lb. Carbody Counterweight  
 0 Lb. thru 863,800 Lb. Hanging Counterweight  
 at 59 Ft. Position  
 360 Degree Rating

Meets  
 ANSI B30.5  
 Requirements

**18000 With  
 21000 MAX-ER**



## 160 Ft. Boom

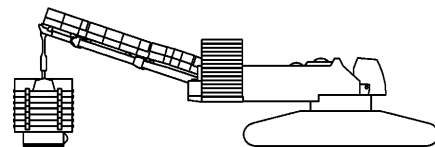
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 775,800 Lb. Hanging<br>Counterweight                            |                            |
|-----------------------|----------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|
|                       |                      |                                | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |
| 30                    |                      |                                |                                                                 |                            |
| 32                    |                      |                                |                                                                 |                            |
| 34                    |                      |                                |                                                                 |                            |
| 36                    |                      |                                |                                                                 |                            |
| 38                    |                      |                                |                                                                 |                            |
| 40                    |                      |                                |                                                                 |                            |
| 45                    |                      |                                |                                                                 |                            |
| 50                    |                      |                                |                                                                 |                            |
| 55                    |                      |                                |                                                                 |                            |
| 60                    |                      |                                |                                                                 |                            |
| 65                    |                      |                                |                                                                 |                            |
| 70                    |                      |                                |                                                                 |                            |
| 75                    |                      |                                |                                                                 |                            |
| 80                    |                      |                                |                                                                 |                            |
| 85                    |                      |                                |                                                                 |                            |
| 90                    |                      |                                |                                                                 |                            |
| 95                    | 57.5                 | 143.7                          | 543,300                                                         | 640,600*                   |
| 100                   | 55.3                 | 140.2                          | 509,100                                                         | 606,000*                   |
| 105                   | 53.1                 | 136.4                          | 478,200                                                         | 574,600*                   |
| 110                   | 50.8                 | 132.2                          | 450,300                                                         | 546,100*                   |
| 115                   | 48.3                 | 127.7                          | 424,900                                                         | 519,900*                   |
| 120                   | 45.8                 | 122.7                          | 401,700                                                         | 495,900*                   |
| 125                   | 43.2                 | 117.3                          | 380,500                                                         | 473,700*                   |
| 130                   | 40.4                 | 111.4                          | 360,800                                                         | 453,200*                   |
| 135                   | 37.4                 | 104.8                          | 342,600                                                         | 432,900*                   |
| 140                   | 34.3                 | 97.4                           | 325,700                                                         | 409,000*                   |
| 145                   | 30.8                 | 89.0                           | 309,900                                                         | 386,300*                   |
| 150                   | 26.8                 | 79.2                           | 295,100                                                         | 364,400*                   |
| 155                   | 22.2                 | 67.2                           | 281,000                                                         | 342,800*                   |
| 160                   | 16.2                 | 51.3                           | 267,300                                                         | 320,500*                   |

# Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56  
 492,000 Lb. Crane Counterweight  
 320,000 Lb. Carbody Counterweight  
 0 Lb. thru 863,800 Lb. Hanging Counterweight  
 at 59 Ft. Position  
 360 Degree Rating

Meets  
 ANSI B30.5  
 Requirements

## 18000 With 21000 MAX-ER



### 180 Ft. Boom

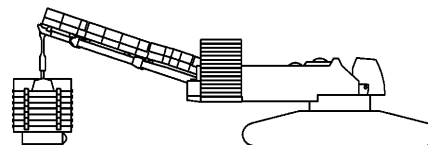
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 0 Lb. Hanging<br>Counterweight | 247,800 Lb. Hanging<br>Counterweight                            |                            | 467,800 Lb. Hanging<br>Counterweight                            |                            | 599,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>Pounds     | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 32                    | 82.9                 | 189.4                          | 960,100*                       | 907,100                                                         | 1,272,800*                 |                                                                 |                            |                                                                 |                            | 32                    |
| 34                    | 82.3                 | 189.1                          | 903,400*                       | 833,600                                                         | 1,198,700*                 |                                                                 |                            |                                                                 |                            | 34                    |
| 36                    | 81.6                 | 188.7                          | 852,500*                       | 770,200                                                         | 1,132,300*                 |                                                                 |                            |                                                                 |                            | 36                    |
| 38                    | 81.0                 | 188.4                          | 806,800*                       | 714,900                                                         | 1,072,600*                 |                                                                 |                            |                                                                 |                            | 38                    |
| 40                    | 80.3                 | 188.0                          | 765,400*                       | 666,300                                                         | 1,018,600*                 |                                                                 |                            |                                                                 |                            | 40                    |
| 45                    | 78.7                 | 186.9                          | 677,200*                       | 567,100                                                         | 903,500*                   | 909,000                                                         | 1,104,500*                 |                                                                 |                            | 45                    |
| 50                    | 77.1                 | 185.7                          | 601,700*                       | 490,800                                                         | 810,600*                   | 792,900                                                         | 992,200*                   |                                                                 |                            | 50                    |
| 55                    | 75.4                 | 184.4                          | 538,700*                       | 430,400                                                         | 733,900*                   | 700,800                                                         | 899,600*                   |                                                                 |                            | 55                    |
| 60                    | 73.8                 | 182.8                          | 486,600*                       | 381,300                                                         | 669,500*                   | 626,000                                                         | 821,900*                   | 773,100                                                         | 913,300*                   | 60                    |
| 65                    | 72.1                 | 181.1                          | 442,700*                       | 340,600                                                         | 614,700*                   | 564,100                                                         | 755,700*                   | 698,400                                                         | 840,400*                   | 65                    |
| 70                    | 70.4                 | 179.3                          | 405,300*                       | 306,400                                                         | 567,500*                   | 512,000                                                         | 698,800*                   | 635,600                                                         | 777,500*                   | 70                    |
| 75                    | 68.7                 | 177.3                          | 373,000*                       | 277,100                                                         | 526,400*                   | 467,500                                                         | 649,200*                   | 581,900                                                         | 722,800*                   | 75                    |
| 80                    | 66.9                 | 175.1                          | 344,800*                       | 251,900                                                         | 490,300*                   | 429,100                                                         | 605,600*                   | 535,600                                                         | 674,700*                   | 80                    |
| 85                    | 65.2                 | 172.7                          | 320,000*                       | 229,800                                                         | 457,900*                   | 395,500                                                         | 567,000*                   | 495,100                                                         | 632,200*                   | 85                    |
| 90                    | 63.4                 | 170.1                          | 298,000*                       | 210,400                                                         | 428,000*                   | 366,000                                                         | 532,600*                   | 459,500                                                         | 594,200*                   | 90                    |
| 95                    | 61.6                 | 167.3                          | 277,200                        | 193,200                                                         | 401,400*                   | 339,800                                                         | 501,700*                   | 428,000                                                         | 560,200*                   | 95                    |
| 100                   | 59.7                 | 164.3                          | 257,000                        | 177,800                                                         | 377,500*                   | 316,400                                                         | 473,800*                   | 399,800                                                         | 529,400*                   | 100                   |
| 105                   | 57.8                 | 161.1                          | 239,100                        | 164,000                                                         | 355,900*                   | 295,400                                                         | 448,600*                   | 374,400                                                         | 501,600*                   | 105                   |
| 110                   | 55.9                 | 157.6                          | 223,100                        | 151,400                                                         | 336,200*                   | 276,400                                                         | 425,500*                   | 351,500                                                         | 476,200*                   | 110                   |
| 115                   | 53.9                 | 153.9                          | 208,600                        | 140,000                                                         | 318,400*                   | 259,100                                                         | 404,500*                   | 330,700                                                         | 452,900*                   | 115                   |
| 120                   | 51.9                 | 149.9                          | 195,500                        | 129,600                                                         | 302,000*                   | 243,400                                                         | 385,100*                   | 311,700                                                         | 431,600*                   | 120                   |
| 125                   | 49.8                 | 145.6                          | 183,600                        | 120,100                                                         | 286,900*                   | 228,900                                                         | 367,200*                   | 294,300                                                         | 411,900*                   | 125                   |
| 130                   | 47.6                 | 141.0                          | 172,700                        | 111,300                                                         | 273,000*                   | 215,600                                                         | 350,700*                   | 278,200                                                         | 393,700*                   | 130                   |
| 135                   | 45.3                 | 136.0                          | 162,700                        | 103,200                                                         | 260,100*                   | 203,300                                                         | 335,400*                   | 263,400                                                         | 376,800*                   | 135                   |
| 140                   | 43.0                 | 130.5                          | 153,400                        | 95,600                                                          | 248,200*                   | 191,800                                                         | 321,200*                   | 249,700                                                         | 361,100*                   | 140                   |
| 145                   | 40.5                 | 124.6                          | 144,900                        | 88,600                                                          | 237,000*                   | 181,200                                                         | 307,900*                   | 236,900                                                         | 346,500*                   | 145                   |
| 150                   | 37.9                 | 118.1                          | 137,000                        | 82,000                                                          | 226,600*                   | 171,300                                                         | 295,300*                   | 224,900                                                         | 332,700*                   | 150                   |
| 155                   | 35.1                 | 111.0                          | 129,600                        | 75,800                                                          | 216,900*                   | 162,000                                                         | 283,300*                   | 213,700                                                         | 319,900*                   | 155                   |
| 160                   | 32.2                 | 103.0                          | 122,700                        | 70,000                                                          | 207,800*                   | 153,200                                                         | 272,000*                   | 203,200                                                         | 307,800*                   | 160                   |
| 165                   | 28.9                 | 94.0                           | 116,200                        | 64,500                                                          | 199,200*                   | 144,900                                                         | 261,500*                   | 193,200                                                         | 296,400*                   | 165                   |
| 170                   | 25.2                 | 83.5                           | 110,100                        | 59,200                                                          | 191,100*                   | 137,000                                                         | 251,500*                   | 183,800                                                         | 282,500*                   | 170                   |
| 175                   | 20.8                 | 70.7                           | 104,400                        | 54,100                                                          | 183,400*                   | 129,400                                                         | 242,000*                   | 174,700                                                         | 266,200*                   | 175                   |
| 180                   | 15.2                 | 53.8                           | 98,900                         | 49,100                                                          | 176,000*                   | 122,000                                                         | 228,500*                   | 165,800                                                         | 249,000*                   | 180                   |

# Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56  
 492,000 Lb. Crane Counterweight  
 320,000 Lb. Carbody Counterweight  
 0 Lb. thru 863,800 Lb. Hanging Counterweight  
 at 59 Ft. Position  
 360 Degree Rating

Meets  
 ANSI B30.5  
 Requirements

**18000 With  
 21000 MAX-ER**



## 180 Ft. Boom

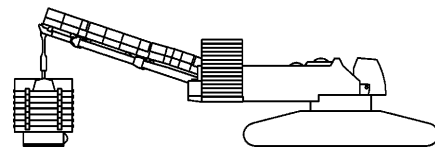
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 775,800 Lb. Hanging<br>Counterweight                            |                            |
|-----------------------|----------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|
|                       |                      |                                | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |
| 32                    |                      |                                |                                                                 |                            |
| 34                    |                      |                                |                                                                 |                            |
| 36                    |                      |                                |                                                                 |                            |
| 38                    |                      |                                |                                                                 |                            |
| 40                    |                      |                                |                                                                 |                            |
| 45                    |                      |                                |                                                                 |                            |
| 50                    |                      |                                |                                                                 |                            |
| 55                    |                      |                                |                                                                 |                            |
| 60                    |                      |                                |                                                                 |                            |
| 65                    |                      |                                |                                                                 |                            |
| 70                    |                      |                                |                                                                 |                            |
| 75                    |                      |                                |                                                                 |                            |
| 80                    |                      |                                |                                                                 |                            |
| 85                    |                      |                                |                                                                 |                            |
| 90                    |                      |                                |                                                                 |                            |
| 95                    |                      |                                |                                                                 |                            |
| 100                   | 59.7                 | 164.3                          | 510,900                                                         | 603,600*                   |
| 105                   | 57.8                 | 161.1                          | 479,800                                                         | 572,300*                   |
| 110                   | 55.9                 | 157.6                          | 451,700                                                         | 543,700*                   |
| 115                   | 53.9                 | 153.9                          | 426,100                                                         | 517,600*                   |
| 120                   | 51.9                 | 149.9                          | 402,800                                                         | 493,600*                   |
| 125                   | 49.8                 | 145.6                          | 381,500                                                         | 471,500*                   |
| 130                   | 47.6                 | 141.0                          | 361,800                                                         | 451,000*                   |
| 135                   | 45.3                 | 136.0                          | 343,600                                                         | 432,000*                   |
| 140                   | 43.0                 | 130.5                          | 326,800                                                         | 414,400*                   |
| 145                   | 40.5                 | 124.6                          | 311,100                                                         | 397,900*                   |
| 150                   | 37.9                 | 118.1                          | 296,500                                                         | 382,500*                   |
| 155                   | 35.1                 | 111.0                          | 282,800                                                         | 367,400*                   |
| 160                   | 32.2                 | 103.0                          | 269,900                                                         | 348,500*                   |
| 165                   | 28.9                 | 94.0                           | 257,700                                                         | 330,300*                   |
| 170                   | 25.2                 | 83.5                           | 246,100                                                         | 312,600*                   |
| 175                   | 20.8                 | 70.7                           | 235,000                                                         | 294,900*                   |
| 180                   | 15.2                 | 53.8                           | 224,200                                                         | 276,400*                   |

# Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56  
 492,000 Lb. Crane Counterweight  
 320,000 Lb. Carbody Counterweight  
 0 Lb. thru 863,800 Lb. Hanging Counterweight  
 at 59 Ft. Position  
 360 Degree Rating

Meets  
 ANSI B30.5  
 Requirements

## 18000 With 21000 MAX-ER



### 200 Ft. Boom

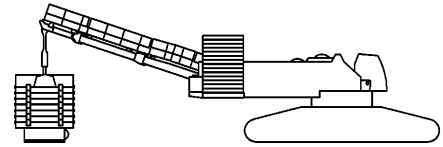
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 0 Lb. Hanging<br>Counterweight | 247,800 Lb. Hanging<br>Counterweight                            |                            | 467,800 Lb. Hanging<br>Counterweight                            |                            | 599,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>Pounds     | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 36                    | 82.5                 | 209.0                          | 849,100*                       | 778,600                                                         | 1,128,900*                 |                                                                 |                            |                                                                 |                            | 36                    |
| 38                    | 81.9                 | 208.7                          | 803,300*                       | 722,100                                                         | 1,069,200*                 |                                                                 |                            |                                                                 |                            | 38                    |
| 40                    | 81.3                 | 208.3                          | 761,900*                       | 672,300                                                         | 1,015,100*                 |                                                                 |                            |                                                                 |                            | 40                    |
| 45                    | 79.9                 | 207.4                          | 673,700*                       | 571,000                                                         | 900,000*                   | 916,700                                                         | 1,100,900*                 |                                                                 |                            | 45                    |
| 50                    | 78.4                 | 206.3                          | 598,600*                       | 493,200                                                         | 807,000*                   | 798,300                                                         | 988,600*                   |                                                                 |                            | 50                    |
| 55                    | 76.9                 | 205.1                          | 535,600*                       | 431,600                                                         | 730,300*                   | 704,600                                                         | 896,000*                   |                                                                 |                            | 55                    |
| 60                    | 75.4                 | 203.7                          | 483,300*                       | 381,700                                                         | 665,900*                   | 628,600                                                         | 818,300*                   |                                                                 |                            | 60                    |
| 65                    | 73.9                 | 202.2                          | 439,400*                       | 340,300                                                         | 611,100*                   | 565,800                                                         | 752,100*                   | 701,300                                                         | 836,700*                   | 65                    |
| 70                    | 72.4                 | 200.6                          | 401,900*                       | 305,500                                                         | 563,800*                   | 512,900                                                         | 695,100*                   | 637,500                                                         | 773,800*                   | 70                    |
| 75                    | 70.9                 | 198.8                          | 369,600*                       | 275,800                                                         | 522,700*                   | 467,700                                                         | 645,500*                   | 583,100                                                         | 719,100*                   | 75                    |
| 80                    | 69.4                 | 196.8                          | 341,400*                       | 250,200                                                         | 486,600*                   | 428,800                                                         | 601,900*                   | 536,100                                                         | 671,000*                   | 80                    |
| 85                    | 67.8                 | 194.7                          | 316,500*                       | 227,900                                                         | 454,400*                   | 394,800                                                         | 563,300*                   | 495,200                                                         | 628,400*                   | 85                    |
| 90                    | 66.3                 | 192.5                          | 294,500*                       | 208,200                                                         | 424,500*                   | 365,000                                                         | 528,800*                   | 459,200                                                         | 590,500*                   | 90                    |
| 95                    | 64.7                 | 190.0                          | 274,500                        | 190,800                                                         | 397,900*                   | 338,500                                                         | 498,000*                   | 427,200                                                         | 556,400*                   | 95                    |
| 100                   | 63.1                 | 187.4                          | 254,300                        | 175,200                                                         | 373,900*                   | 314,800                                                         | 470,100*                   | 398,700                                                         | 525,700*                   | 100                   |
| 105                   | 61.4                 | 184.6                          | 236,300                        | 161,200                                                         | 352,300*                   | 293,600                                                         | 444,800*                   | 373,100                                                         | 497,800*                   | 105                   |
| 110                   | 59.7                 | 181.6                          | 220,200                        | 148,500                                                         | 332,700*                   | 274,400                                                         | 421,800*                   | 350,000                                                         | 472,400*                   | 110                   |
| 115                   | 58.0                 | 178.5                          | 205,700                        | 137,000                                                         | 314,800*                   | 256,900                                                         | 400,700*                   | 329,000                                                         | 449,200*                   | 115                   |
| 120                   | 56.3                 | 175.1                          | 192,600                        | 126,500                                                         | 298,400*                   | 241,000                                                         | 381,300*                   | 309,800                                                         | 427,800*                   | 120                   |
| 125                   | 54.5                 | 171.4                          | 180,600                        | 116,900                                                         | 283,300*                   | 226,400                                                         | 363,500*                   | 292,300                                                         | 408,100*                   | 125                   |
| 130                   | 52.7                 | 167.6                          | 169,600                        | 108,000                                                         | 269,400*                   | 213,000                                                         | 347,000*                   | 276,100                                                         | 389,900*                   | 130                   |
| 135                   | 50.9                 | 163.4                          | 159,600                        | 99,800                                                          | 256,500*                   | 200,600                                                         | 331,700*                   | 261,200                                                         | 373,100*                   | 135                   |
| 140                   | 49.0                 | 159.0                          | 150,300                        | 92,300                                                          | 244,600*                   | 189,200                                                         | 317,400*                   | 247,400                                                         | 357,400*                   | 140                   |
| 145                   | 47.0                 | 154.3                          | 141,800                        | 85,200                                                          | 233,500*                   | 178,500                                                         | 304,100*                   | 234,600                                                         | 342,700*                   | 145                   |
| 150                   | 45.0                 | 149.2                          | 133,800                        | 78,600                                                          | 223,100*                   | 168,600                                                         | 291,700*                   | 222,600                                                         | 329,000*                   | 150                   |
| 155                   | 42.8                 | 143.7                          | 126,500                        | 72,500                                                          | 213,400*                   | 159,300                                                         | 279,700*                   | 211,400                                                         | 316,200*                   | 155                   |
| 160                   | 40.6                 | 137.9                          | 119,600                        | 66,700                                                          | 204,200*                   | 150,500                                                         | 268,500*                   | 201,000                                                         | 304,100*                   | 160                   |
| 165                   | 38.3                 | 131.5                          | 113,100                        | 61,200                                                          | 195,700*                   | 142,300                                                         | 258,000*                   | 191,100                                                         | 292,800*                   | 165                   |
| 170                   | 35.8                 | 124.5                          | 107,100                        | 56,100                                                          | 187,600*                   | 134,600                                                         | 248,000*                   | 181,800                                                         | 282,100*                   | 170                   |
| 175                   | 33.2                 | 116.8                          | 101,400                        | 51,200                                                          | 180,000*                   | 127,300                                                         | 238,700*                   | 173,000                                                         | 272,000*                   | 175                   |
| 180                   | 30.4                 | 108.3                          | 96,000                         | 46,600                                                          | 172,800*                   | 120,300                                                         | 229,800*                   | 164,700                                                         | 262,400*                   | 180                   |
| 185                   | 27.3                 | 98.7                           | 90,900                         | 42,100                                                          | 165,900*                   | 113,700                                                         | 221,400*                   | 156,700                                                         | 253,300*                   | 185                   |
| 190                   | 23.8                 | 87.5                           | 86,100                         | 37,900                                                          | 159,400*                   | 107,300                                                         | 213,400*                   | 149,100                                                         | 240,800*                   | 190                   |
| 195                   | 19.6                 | 74.0                           | 81,100*                        | 33,700                                                          | 153,200*                   | 101,200                                                         | 205,800*                   | 141,700                                                         | 227,100*                   | 195                   |

# Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56  
 492,000 Lb. Crane Counterweight  
 320,000 Lb. Carbody Counterweight  
 0 Lb. thru 863,800 Lb. Hanging Counterweight  
 at 59 Ft. Position  
 360 Degree Rating

Meets  
 ANSI B30.5  
 Requirements

**18000 With  
 21000 MAX-ER**



## 200 Ft. Boom

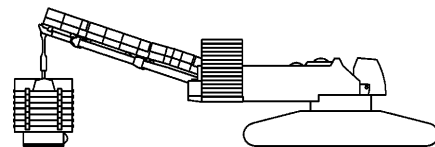
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 775,800 Lb. Hanging<br>Counterweight                            |                            | 863,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 36                    |                      |                                |                                                                 |                            |                                                                 |                            | 36                    |
| 38                    |                      |                                |                                                                 |                            |                                                                 |                            | 38                    |
| 40                    |                      |                                |                                                                 |                            |                                                                 |                            | 40                    |
| 45                    |                      |                                |                                                                 |                            |                                                                 |                            | 45                    |
| 50                    |                      |                                |                                                                 |                            |                                                                 |                            | 50                    |
| 55                    |                      |                                |                                                                 |                            |                                                                 |                            | 55                    |
| 60                    |                      |                                |                                                                 |                            |                                                                 |                            | 60                    |
| 65                    |                      |                                |                                                                 |                            |                                                                 |                            | 65                    |
| 70                    |                      |                                |                                                                 |                            |                                                                 |                            | 70                    |
| 75                    |                      |                                |                                                                 |                            |                                                                 |                            | 75                    |
| 80                    |                      |                                |                                                                 |                            |                                                                 |                            | 80                    |
| 85                    |                      |                                |                                                                 |                            |                                                                 |                            | 85                    |
| 90                    |                      |                                |                                                                 |                            |                                                                 |                            | 90                    |
| 95                    |                      |                                |                                                                 |                            |                                                                 |                            | 95                    |
| 100                   |                      |                                |                                                                 |                            |                                                                 |                            | 100                   |
| 105                   | 61.4                 | 184.6                          | 479,200                                                         | 568,500*                   |                                                                 |                            | 105                   |
| 110                   | 59.7                 | 181.6                          | 450,800                                                         | 539,900*                   |                                                                 |                            | 110                   |
| 115                   | 58.0                 | 178.5                          | 425,100                                                         | 513,800*                   |                                                                 |                            | 115                   |
| 120                   | 56.3                 | 175.1                          | 401,600                                                         | 489,800*                   |                                                                 |                            | 120                   |
| 125                   | 54.5                 | 171.4                          | 380,000                                                         | 467,700*                   |                                                                 |                            | 125                   |
| 130                   | 52.7                 | 167.6                          | 360,300                                                         | 447,300*                   |                                                                 |                            | 130                   |
| 135                   | 50.9                 | 163.4                          | 342,000                                                         | 428,300*                   | 382,400                                                         | 450,000*                   | 135                   |
| 140                   | 49.0                 | 159.0                          | 325,100                                                         | 410,600*                   | 363,900                                                         | 431,600*                   | 140                   |
| 145                   | 47.0                 | 154.3                          | 309,300                                                         | 394,200*                   | 346,700                                                         | 414,400*                   | 145                   |
| 150                   | 45.0                 | 149.2                          | 294,700                                                         | 378,800*                   | 330,800                                                         | 398,400*                   | 150                   |
| 155                   | 42.8                 | 143.7                          | 281,000                                                         | 364,400*                   | 315,800                                                         | 383,300*                   | 155                   |
| 160                   | 40.6                 | 137.9                          | 268,200                                                         | 350,800*                   | 301,800                                                         | 369,200*                   | 160                   |
| 165                   | 38.3                 | 131.5                          | 256,100                                                         | 338,100*                   | 288,600                                                         | 355,900*                   | 165                   |
| 170                   | 35.8                 | 124.5                          | 244,800                                                         | 326,100*                   | 276,200                                                         | 340,000*                   | 170                   |
| 175                   | 33.2                 | 116.8                          | 234,000                                                         | 313,100*                   | 264,500                                                         | 323,500*                   | 175                   |
| 180                   | 30.4                 | 108.3                          | 223,800                                                         | 297,600*                   | 253,400                                                         | 307,600*                   | 180                   |
| 185                   | 27.3                 | 98.7                           | 214,100                                                         | 282,600*                   | 242,800                                                         | 292,300*                   | 185                   |
| 190                   | 23.8                 | 87.5                           | 204,800                                                         | 267,900*                   | 232,700                                                         | 277,200*                   | 190                   |
| 195                   | 19.6                 | 74.0                           | 195,800                                                         | 253,200*                   | 222,900                                                         | 262,000*                   | 195                   |

# Liftcrane Boom Capacities

**Boom No. 55 or No. 55A with 140 Ft. Mast No. 56**  
**492,000 Lb. Crane Counterweight**  
**320,000 Lb. Carbody Counterweight**  
**0 Lb. thru 863,800 Lb. Hanging Counterweight**  
**at 59 Ft. Position**  
**360 Degree Rating**

Meets  
ANSI B30.5  
Requirements

## 18000 With 21000 MAX-ER



### 220 Ft. Boom

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 0 Lb. Hanging<br>Counterweight | 247,800 Lb. Hanging<br>Counterweight                            |                            | 467,800 Lb. Hanging<br>Counterweight                            |                            | 599,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>Pounds     | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 38                    | 82.6                 | 228.9                          | 799,600*                       | 728,300                                                         | 1,065,400*                 |                                                                 |                            |                                                                 |                            | 38                    |
| 40                    | 82.1                 | 228.6                          | 758,200*                       | 677,500                                                         | 1,011,400*                 |                                                                 |                            |                                                                 |                            | 40                    |
| 45                    | 80.8                 | 227.7                          | 669,900*                       | 574,100                                                         | 896,300*                   | 923,500                                                         | 1,097,200*                 |                                                                 |                            | 45                    |
| 50                    | 79.5                 | 226.8                          | 595,300*                       | 494,900                                                         | 803,200*                   | 803,000                                                         | 984,900*                   |                                                                 |                            | 50                    |
| 55                    | 78.1                 | 225.7                          | 532,200*                       | 432,300                                                         | 726,500*                   | 707,800                                                         | 892,200*                   |                                                                 |                            | 55                    |
| 60                    | 76.8                 | 224.4                          | 479,900*                       | 381,500                                                         | 662,000*                   | 630,600                                                         | 814,400*                   |                                                                 |                            | 60                    |
| 65                    | 75.5                 | 223.1                          | 435,900*                       | 339,500                                                         | 607,200*                   | 566,800                                                         | 748,300*                   | 703,400                                                         | 832,900*                   | 65                    |
| 70                    | 74.1                 | 221.6                          | 398,400*                       | 304,200                                                         | 560,000*                   | 513,200                                                         | 691,200*                   | 638,800                                                         | 770,000*                   | 70                    |
| 75                    | 72.7                 | 220.0                          | 366,000*                       | 274,200                                                         | 518,900*                   | 467,500                                                         | 641,600*                   | 583,700                                                         | 715,200*                   | 75                    |
| 80                    | 71.3                 | 218.2                          | 337,800*                       | 248,200                                                         | 482,700*                   | 428,000                                                         | 598,000*                   | 536,200                                                         | 667,200*                   | 80                    |
| 85                    | 70.0                 | 216.4                          | 312,900*                       | 225,600                                                         | 450,800*                   | 393,700                                                         | 559,400*                   | 494,700                                                         | 624,600*                   | 85                    |
| 90                    | 68.6                 | 214.3                          | 290,900*                       | 205,700                                                         | 420,900*                   | 363,500                                                         | 525,000*                   | 458,300                                                         | 586,600*                   | 90                    |
| 95                    | 67.1                 | 212.2                          | 271,200*                       | 188,000                                                         | 394,200*                   | 336,700                                                         | 494,100*                   | 426,100                                                         | 552,500*                   | 95                    |
| 100                   | 65.7                 | 209.9                          | 251,400                        | 172,200                                                         | 370,300*                   | 312,800                                                         | 466,200*                   | 397,300                                                         | 521,800*                   | 100                   |
| 105                   | 64.2                 | 207.4                          | 233,300                        | 158,100                                                         | 348,600*                   | 291,300                                                         | 440,900*                   | 371,400                                                         | 493,900*                   | 105                   |
| 110                   | 62.8                 | 204.7                          | 217,200                        | 145,300                                                         | 329,000*                   | 271,900                                                         | 417,900*                   | 348,000                                                         | 468,500*                   | 110                   |
| 115                   | 61.3                 | 201.9                          | 202,600                        | 133,700                                                         | 311,100*                   | 254,300                                                         | 396,800*                   | 326,800                                                         | 445,300*                   | 115                   |
| 120                   | 59.8                 | 199.0                          | 189,500                        | 123,100                                                         | 294,700*                   | 238,300                                                         | 377,400*                   | 307,500                                                         | 423,900*                   | 120                   |
| 125                   | 58.2                 | 195.8                          | 177,500                        | 113,400                                                         | 279,600*                   | 223,600                                                         | 359,600*                   | 289,800                                                         | 404,300*                   | 125                   |
| 130                   | 56.7                 | 192.5                          | 166,500                        | 104,400                                                         | 265,700*                   | 210,100                                                         | 343,100*                   | 273,600                                                         | 386,100*                   | 130                   |
| 135                   | 55.1                 | 188.9                          | 156,400                        | 96,200                                                          | 252,800*                   | 197,600                                                         | 327,800*                   | 258,500                                                         | 369,200*                   | 135                   |
| 140                   | 53.4                 | 185.1                          | 147,100                        | 88,600                                                          | 240,800*                   | 186,100                                                         | 313,500*                   | 244,700                                                         | 353,500*                   | 140                   |
| 145                   | 51.8                 | 181.1                          | 138,500                        | 81,500                                                          | 229,700*                   | 175,300                                                         | 300,300*                   | 231,800                                                         | 338,800*                   | 145                   |
| 150                   | 50.1                 | 176.9                          | 130,600                        | 74,900                                                          | 219,300*                   | 165,300                                                         | 287,800*                   | 219,700                                                         | 325,200*                   | 150                   |
| 155                   | 48.3                 | 172.4                          | 123,200                        | 68,700                                                          | 209,600*                   | 156,000                                                         | 276,000*                   | 208,500                                                         | 312,300*                   | 155                   |
| 160                   | 46.5                 | 167.6                          | 116,300                        | 62,900                                                          | 200,500*                   | 147,300                                                         | 264,800*                   | 198,000                                                         | 300,300*                   | 160                   |
| 165                   | 44.6                 | 162.4                          | 109,800                        | 57,400                                                          | 192,000*                   | 139,100                                                         | 254,300*                   | 188,200                                                         | 289,000*                   | 165                   |
| 170                   | 42.7                 | 157.0                          | 103,800                        | 52,300                                                          | 183,900*                   | 131,400                                                         | 244,300*                   | 178,900                                                         | 278,300*                   | 170                   |
| 175                   | 40.7                 | 151.1                          | 98,100                         | 47,500                                                          | 176,300*                   | 124,100                                                         | 235,000*                   | 170,100                                                         | 268,200*                   | 175                   |
| 180                   | 38.6                 | 144.8                          | 92,700                         | 42,900                                                          | 169,100*                   | 117,200                                                         | 226,200*                   | 161,900                                                         | 258,600*                   | 180                   |
| 185                   | 36.4                 | 137.9                          | 87,700                         | 38,500                                                          | 162,300*                   | 110,700                                                         | 217,800*                   | 154,000                                                         | 249,600*                   | 185                   |
| 190                   | 34.1                 | 130.5                          | 82,900                         | 34,400                                                          | 155,900*                   | 104,500                                                         | 209,900*                   | 146,600                                                         | 241,000*                   | 190                   |
| 195                   | 31.6                 | 122.4                          | 77,800*                        | 30,400                                                          | 149,700*                   | 98,500                                                          | 202,300*                   | 139,500                                                         | 232,800*                   | 195                   |
| 200                   | 28.9                 | 113.3                          | 72,800*                        | 26,600                                                          | 143,900*                   | 92,900                                                          | 195,100*                   | 132,700                                                         | 225,000*                   | 200                   |
| 205                   | 25.9                 | 103.1                          | 68,000*                        | 23,000                                                          | 138,300*                   | 87,500                                                          | 188,300*                   | 126,200                                                         | 216,900*                   | 205                   |
| 210                   | 22.6                 | 91.4                           | 63,400*                        | 19,400                                                          | 132,900*                   | 82,200                                                          | 181,700*                   | 119,900                                                         | 205,400*                   | 210                   |
| 215                   | 18.7                 | 77.1                           | 58,900*                        | 15,900                                                          | 127,700*                   | 77,100                                                          | 175,500*                   | 113,800                                                         | 193,700*                   | 215                   |

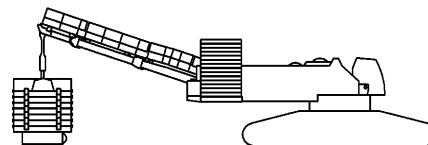


# Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56  
 492,000 Lb. Crane Counterweight  
 320,000 Lb. Carbody Counterweight  
 0 Lb. thru 863,800 Lb. Hanging Counterweight  
 at 59 Ft. Position  
 360 Degree Rating

Meets  
 ANSI B30.5  
 Requirements

**18000 With  
 21000 MAX-ER**



## 220 Ft. Boom

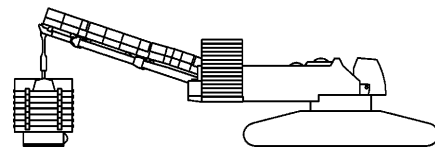
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 775,800 Lb. Hanging<br>Counterweight                            |                            | 863,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 38                    |                      |                                |                                                                 |                            |                                                                 |                            | 38                    |
| 40                    |                      |                                |                                                                 |                            |                                                                 |                            | 40                    |
| 45                    |                      |                                |                                                                 |                            |                                                                 |                            | 45                    |
| 50                    |                      |                                |                                                                 |                            |                                                                 |                            | 50                    |
| 55                    |                      |                                |                                                                 |                            |                                                                 |                            | 55                    |
| 60                    |                      |                                |                                                                 |                            |                                                                 |                            | 60                    |
| 65                    |                      |                                |                                                                 |                            |                                                                 |                            | 65                    |
| 70                    |                      |                                |                                                                 |                            |                                                                 |                            | 70                    |
| 75                    |                      |                                |                                                                 |                            |                                                                 |                            | 75                    |
| 80                    |                      |                                |                                                                 |                            |                                                                 |                            | 80                    |
| 85                    |                      |                                |                                                                 |                            |                                                                 |                            | 85                    |
| 90                    |                      |                                |                                                                 |                            |                                                                 |                            | 90                    |
| 95                    |                      |                                |                                                                 |                            |                                                                 |                            | 95                    |
| 100                   |                      |                                |                                                                 |                            |                                                                 |                            | 100                   |
| 105                   | 64.2                 | 207.4                          | 478,200                                                         | 564,600*                   |                                                                 |                            | 105                   |
| 110                   | 62.8                 | 204.7                          | 449,500                                                         | 536,100*                   |                                                                 |                            | 110                   |
| 115                   | 61.3                 | 201.9                          | 423,500                                                         | 509,900*                   |                                                                 |                            | 115                   |
| 120                   | 59.8                 | 199.0                          | 399,800                                                         | 485,900*                   |                                                                 |                            | 120                   |
| 125                   | 58.2                 | 195.8                          | 378,100                                                         | 463,800*                   |                                                                 |                            | 125                   |
| 130                   | 56.7                 | 192.5                          | 358,200                                                         | 443,400*                   |                                                                 |                            | 130                   |
| 135                   | 55.1                 | 188.9                          | 339,800                                                         | 424,400*                   |                                                                 |                            | 135                   |
| 140                   | 53.4                 | 185.1                          | 322,800                                                         | 406,800*                   | 361,900                                                         | 427,700*                   | 140                   |
| 145                   | 51.8                 | 181.1                          | 307,000                                                         | 390,300*                   | 344,600                                                         | 410,600*                   | 145                   |
| 150                   | 50.1                 | 176.9                          | 292,300                                                         | 374,900*                   | 328,600                                                         | 394,500*                   | 150                   |
| 155                   | 48.3                 | 172.4                          | 278,500                                                         | 360,500*                   | 313,600                                                         | 379,500*                   | 155                   |
| 160                   | 46.5                 | 167.6                          | 265,700                                                         | 347,000*                   | 299,500                                                         | 365,400*                   | 160                   |
| 165                   | 44.6                 | 162.4                          | 253,600                                                         | 334,300*                   | 286,400                                                         | 352,100*                   | 165                   |
| 170                   | 42.7                 | 157.0                          | 242,300                                                         | 322,300*                   | 274,000                                                         | 339,600*                   | 170                   |
| 175                   | 40.7                 | 151.1                          | 231,600                                                         | 310,900*                   | 262,300                                                         | 327,800*                   | 175                   |
| 180                   | 38.6                 | 144.8                          | 221,400                                                         | 300,200*                   | 251,200                                                         | 316,600*                   | 180                   |
| 185                   | 36.4                 | 137.9                          | 211,900                                                         | 290,000*                   | 240,800                                                         | 305,100*                   | 185                   |
| 190                   | 34.1                 | 130.5                          | 202,800                                                         | 280,400*                   | 230,900                                                         | 290,900*                   | 190                   |
| 195                   | 31.6                 | 122.4                          | 194,100                                                         | 267,900*                   | 221,400                                                         | 277,300*                   | 195                   |
| 200                   | 28.9                 | 113.3                          | 185,800                                                         | 255,100*                   | 212,400                                                         | 264,100*                   | 200                   |
| 205                   | 25.9                 | 103.1                          | 177,900                                                         | 242,500*                   | 203,800                                                         | 251,200*                   | 205                   |
| 210                   | 22.6                 | 91.4                           | 170,200                                                         | 230,100*                   | 195,400                                                         | 238,500*                   | 210                   |
| 215                   | 18.7                 | 77.1                           | 162,800                                                         | 217,500*                   | 187,300                                                         | 225,600*                   | 215                   |

# Liftcrane Boom Capacities

**Boom No. 55 or No. 55A with 140 Ft. Mast No. 56**  
**492,000 Lb. Crane Counterweight**  
**320,000 Lb. Carbody Counterweight**  
**0 Lb. thru 863,800 Lb. Hanging Counterweight**  
**at 59 Ft. Position**  
**360 Degree Rating**

Meets  
ANSI B30.5  
Requirements

## 18000 With 21000 MAX-ER



### 240 Ft. Boom

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 0 Lb. Hanging<br>Counterweight | 247,800 Lb. Hanging<br>Counterweight                            |                            | 467,800 Lb. Hanging<br>Counterweight                            |                            | 599,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>Pounds     | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 40                    | 82.8                 | 248.9                          | 755,900*                       | 684,100                                                         | 1,009,100*                 |                                                                 |                            |                                                                 |                            | 40                    |
| 45                    | 81.6                 | 248.1                          | 667,700*                       | 578,800                                                         | 894,000*                   |                                                                 |                            |                                                                 |                            | 45                    |
| 50                    | 80.4                 | 247.2                          | 593,500*                       | 498,300                                                         | 801,000*                   | 809,200                                                         | 982,600*                   |                                                                 |                            | 50                    |
| 55                    | 79.1                 | 246.1                          | 530,300*                       | 434,700                                                         | 724,300*                   | 712,500                                                         | 890,000*                   |                                                                 |                            | 55                    |
| 60                    | 77.9                 | 245.0                          | 478,000*                       | 383,200                                                         | 659,900*                   | 634,300                                                         | 812,200*                   |                                                                 |                            | 60                    |
| 65                    | 76.7                 | 243.8                          | 434,000*                       | 340,700                                                         | 605,000*                   | 569,700                                                         | 746,100*                   |                                                                 |                            | 65                    |
| 70                    | 75.5                 | 242.4                          | 396,500*                       | 304,900                                                         | 557,800*                   | 515,400                                                         | 689,100*                   | 641,900                                                         | 767,800*                   | 70                    |
| 75                    | 74.2                 | 241.0                          | 364,100*                       | 274,500                                                         | 516,700*                   | 469,100                                                         | 639,400*                   | 586,100                                                         | 713,100*                   | 75                    |
| 80                    | 73.0                 | 239.4                          | 335,900*                       | 248,200                                                         | 480,600*                   | 429,300                                                         | 595,800*                   | 538,100                                                         | 665,000*                   | 80                    |
| 85                    | 71.7                 | 237.7                          | 311,000*                       | 225,300                                                         | 448,600*                   | 394,500                                                         | 557,200*                   | 496,200                                                         | 622,400*                   | 85                    |
| 90                    | 70.4                 | 235.9                          | 289,000*                       | 205,200                                                         | 419,000*                   | 364,000                                                         | 522,800*                   | 459,500                                                         | 584,500*                   | 90                    |
| 95                    | 69.1                 | 233.9                          | 269,300*                       | 187,400                                                         | 392,300*                   | 337,000                                                         | 491,900*                   | 426,900                                                         | 550,400*                   | 95                    |
| 100                   | 67.9                 | 231.8                          | 250,100                        | 171,400                                                         | 368,300*                   | 312,800                                                         | 464,100*                   | 397,800                                                         | 519,700*                   | 100                   |
| 105                   | 66.5                 | 229.6                          | 232,000                        | 157,200                                                         | 346,700*                   | 291,200                                                         | 438,800*                   | 371,700                                                         | 491,800*                   | 105                   |
| 110                   | 65.2                 | 227.2                          | 215,800                        | 144,300                                                         | 327,000*                   | 271,600                                                         | 415,700*                   | 348,200                                                         | 466,400*                   | 110                   |
| 115                   | 63.9                 | 224.7                          | 201,200                        | 132,500                                                         | 309,100*                   | 253,900                                                         | 394,700*                   | 326,800                                                         | 443,200*                   | 115                   |
| 120                   | 62.5                 | 222.1                          | 188,000                        | 121,900                                                         | 292,700*                   | 237,700                                                         | 375,300*                   | 307,300                                                         | 421,800*                   | 120                   |
| 125                   | 61.2                 | 219.3                          | 176,000                        | 112,100                                                         | 277,600*                   | 222,900                                                         | 357,500*                   | 289,500                                                         | 402,100*                   | 125                   |
| 130                   | 59.8                 | 216.3                          | 165,000                        | 103,100                                                         | 263,700*                   | 209,300                                                         | 341,000*                   | 273,100                                                         | 384,000*                   | 130                   |
| 135                   | 58.4                 | 213.2                          | 154,900                        | 94,800                                                          | 250,800*                   | 196,700                                                         | 325,700*                   | 258,000                                                         | 367,100*                   | 135                   |
| 140                   | 56.9                 | 209.9                          | 145,600                        | 87,100                                                          | 238,900*                   | 185,100                                                         | 311,400*                   | 244,000                                                         | 351,400*                   | 140                   |
| 145                   | 55.5                 | 206.4                          | 137,000                        | 80,000                                                          | 227,800*                   | 174,300                                                         | 298,200*                   | 231,100                                                         | 336,800*                   | 145                   |
| 150                   | 54.0                 | 202.7                          | 129,000                        | 73,300                                                          | 217,400*                   | 164,300                                                         | 285,800*                   | 219,000                                                         | 323,100*                   | 150                   |
| 155                   | 52.5                 | 198.8                          | 121,600                        | 67,100                                                          | 207,700*                   | 154,900                                                         | 274,000*                   | 207,700                                                         | 310,300*                   | 155                   |
| 160                   | 51.0                 | 194.7                          | 114,700                        | 61,300                                                          | 198,600*                   | 146,200                                                         | 262,800*                   | 197,200                                                         | 298,200*                   | 160                   |
| 165                   | 49.4                 | 190.3                          | 108,300                        | 55,800                                                          | 190,000*                   | 137,900                                                         | 252,300*                   | 187,300                                                         | 286,900*                   | 165                   |
| 170                   | 47.7                 | 185.7                          | 102,200                        | 50,700                                                          | 182,000*                   | 130,200                                                         | 242,400*                   | 178,000                                                         | 276,200*                   | 170                   |
| 175                   | 46.1                 | 180.8                          | 96,500                         | 45,800                                                          | 174,400*                   | 122,900                                                         | 233,100*                   | 169,300                                                         | 266,200*                   | 175                   |
| 180                   | 44.4                 | 175.7                          | 91,200                         | 41,300                                                          | 167,200*                   | 116,000                                                         | 224,300*                   | 161,000                                                         | 256,600*                   | 180                   |
| 185                   | 42.6                 | 170.2                          | 86,100                         | 36,900                                                          | 160,400*                   | 109,500                                                         | 215,900*                   | 153,200                                                         | 247,600*                   | 185                   |
| 190                   | 40.8                 | 164.3                          | 81,400                         | 32,800                                                          | 154,000*                   | 103,400                                                         | 208,000*                   | 145,800                                                         | 239,000*                   | 190                   |
| 195                   | 38.8                 | 158.1                          | 76,300*                        | 28,900                                                          | 147,900*                   | 97,500                                                          | 200,500*                   | 138,700                                                         | 230,900*                   | 195                   |
| 200                   | 36.8                 | 151.4                          | 71,300*                        | 25,200                                                          | 142,100*                   | 91,900                                                          | 193,300*                   | 132,000                                                         | 223,100*                   | 200                   |
| 205                   | 34.7                 | 144.1                          | 66,600*                        | 21,600                                                          | 136,500*                   | 86,600                                                          | 186,500*                   | 125,600                                                         | 215,700*                   | 205                   |
| 210                   | 32.5                 | 136.3                          | 62,200*                        | 18,200                                                          | 131,200*                   | 81,500                                                          | 180,000*                   | 119,500                                                         | 208,700*                   | 210                   |
| 215                   | 30.1                 | 127.7                          | 57,800*                        | 14,900                                                          | 126,200*                   | 76,600                                                          | 173,800*                   | 113,700                                                         | 201,900*                   | 215                   |
| 220                   | 27.6                 | 118.1                          | 53,700*                        | 11,700                                                          | 121,300*                   | 71,900                                                          | 167,900*                   | 108,000                                                         | 195,500*                   | 220                   |
| 230                   | 21.6                 | 95.0                           | 45,800*                        | 5,700                                                           | 110,200*                   | 62,900                                                          | 156,800*                   | 97,300                                                          | 177,200*                   | 230                   |

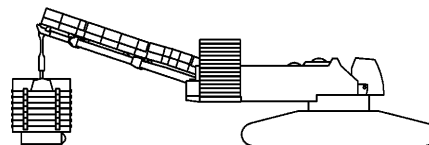


# Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56  
 492,000 Lb. Crane Counterweight  
 320,000 Lb. Carbody Counterweight  
 0 Lb. thru 863,800 Lb. Hanging Counterweight  
 at 59 Ft. Position  
 360 Degree Rating

Meets  
 ANSI B30.5  
 Requirements

**18000 With  
 21000 MAX-ER**



## 240 Ft. Boom

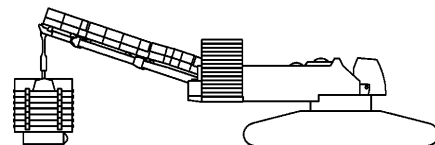
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 775,800 Lb. Hanging<br>Counterweight                            |                            | 863,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 40                    |                      |                                |                                                                 |                            |                                                                 |                            | 40                    |
| 45                    |                      |                                |                                                                 |                            |                                                                 |                            | 45                    |
| 50                    |                      |                                |                                                                 |                            |                                                                 |                            | 50                    |
| 55                    |                      |                                |                                                                 |                            |                                                                 |                            | 55                    |
| 60                    |                      |                                |                                                                 |                            |                                                                 |                            | 60                    |
| 65                    |                      |                                |                                                                 |                            |                                                                 |                            | 65                    |
| 70                    |                      |                                |                                                                 |                            |                                                                 |                            | 70                    |
| 75                    |                      |                                |                                                                 |                            |                                                                 |                            | 75                    |
| 80                    |                      |                                |                                                                 |                            |                                                                 |                            | 80                    |
| 85                    |                      |                                |                                                                 |                            |                                                                 |                            | 85                    |
| 90                    |                      |                                |                                                                 |                            |                                                                 |                            | 90                    |
| 95                    |                      |                                |                                                                 |                            |                                                                 |                            | 95                    |
| 100                   |                      |                                |                                                                 |                            |                                                                 |                            | 100                   |
| 105                   | 66.5                 | 229.6                          | 479,100                                                         | 562,500*                   |                                                                 |                            | 105                   |
| 110                   | 65.2                 | 227.2                          | 450,300                                                         | 533,900*                   |                                                                 |                            | 110                   |
| 115                   | 63.9                 | 224.7                          | 424,100                                                         | 507,800*                   |                                                                 |                            | 115                   |
| 120                   | 62.5                 | 222.1                          | 400,200                                                         | 483,800*                   |                                                                 |                            | 120                   |
| 125                   | 61.2                 | 219.3                          | 378,300                                                         | 461,700*                   |                                                                 |                            | 125                   |
| 130                   | 59.8                 | 216.3                          | 358,300                                                         | 441,300*                   |                                                                 |                            | 130                   |
| 135                   | 58.4                 | 213.2                          | 339,700                                                         | 422,300*                   |                                                                 |                            | 135                   |
| 140                   | 56.9                 | 209.9                          | 322,600                                                         | 404,700*                   |                                                                 |                            | 140                   |
| 145                   | 55.5                 | 206.4                          | 306,700                                                         | 388,200*                   | 344,600                                                         | 408,500*                   | 145                   |
| 150                   | 54.0                 | 202.7                          | 291,900                                                         | 372,800*                   | 328,400                                                         | 392,500*                   | 150                   |
| 155                   | 52.5                 | 198.8                          | 278,100                                                         | 358,400*                   | 313,400                                                         | 377,400*                   | 155                   |
| 160                   | 51.0                 | 194.7                          | 265,200                                                         | 344,900*                   | 299,300                                                         | 363,300*                   | 160                   |
| 165                   | 49.4                 | 190.3                          | 253,100                                                         | 332,200*                   | 286,000                                                         | 350,100*                   | 165                   |
| 170                   | 47.7                 | 185.7                          | 241,700                                                         | 320,200*                   | 273,600                                                         | 337,500*                   | 170                   |
| 175                   | 46.1                 | 180.8                          | 231,000                                                         | 308,900*                   | 261,900                                                         | 325,700*                   | 175                   |
| 180                   | 44.4                 | 175.7                          | 220,900                                                         | 298,200*                   | 250,900                                                         | 314,600*                   | 180                   |
| 185                   | 42.6                 | 170.2                          | 211,400                                                         | 288,100*                   | 240,500                                                         | 304,000*                   | 185                   |
| 190                   | 40.8                 | 164.3                          | 202,300                                                         | 278,400*                   | 230,600                                                         | 294,000*                   | 190                   |
| 195                   | 38.8                 | 158.1                          | 193,700                                                         | 269,300*                   | 221,200                                                         | 284,400*                   | 195                   |
| 200                   | 36.8                 | 151.4                          | 185,500                                                         | 260,600*                   | 212,300                                                         | 275,300*                   | 200                   |
| 205                   | 34.7                 | 144.1                          | 177,700                                                         | 252,300*                   | 203,800                                                         | 264,000*                   | 205                   |
| 210                   | 32.5                 | 136.3                          | 170,300                                                         | 243,300*                   | 195,600                                                         | 252,200*                   | 210                   |
| 215                   | 30.1                 | 127.7                          | 163,100                                                         | 232,100*                   | 187,800                                                         | 240,700*                   | 215                   |
| 220                   | 27.6                 | 118.1                          | 156,300                                                         | 221,200*                   | 180,400                                                         | 229,500*                   | 220                   |
| 230                   | 21.6                 | 95.0                           | 143,200                                                         | 199,900*                   | 166,200                                                         | 207,600*                   | 230                   |

# Liftcrane Boom Capacities

**Boom No. 55 or No. 55A with 140 Ft. Mast No. 56**  
**492,000 Lb. Crane Counterweight**  
**320,000 Lb. Carbody Counterweight**  
**0 Lb. thru 863,800 Lb. Hanging Counterweight**  
**at 59 Ft. Position**  
**360 Degree Rating**

**Meets  
ANSI B30.5  
Requirements**

## 18000 With 21000 MAX-ER



### 260 Ft. Boom

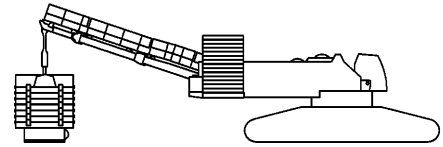
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 0 Lb. Hanging<br>Counterweight | 247,800 Lb. Hanging<br>Counterweight                            |                            | 467,800 Lb. Hanging<br>Counterweight                            |                            | 599,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>Pounds     | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 45                    | 82.2                 | 268.3                          | 663,700*                       | 581,000                                                         | 890,000*                   |                                                                 |                            |                                                                 |                            | 45                    |
| 50                    | 81.1                 | 267.5                          | 589,900*                       | 499,100                                                         | 796,900*                   |                                                                 |                            |                                                                 |                            | 50                    |
| 55                    | 80.0                 | 266.6                          | 526,700*                       | 434,600                                                         | 720,200*                   | 714,600                                                         | 885,900*                   |                                                                 |                            | 55                    |
| 60                    | 78.9                 | 265.5                          | 474,300*                       | 382,300                                                         | 655,800*                   | 635,300                                                         | 808,200*                   |                                                                 |                            | 60                    |
| 65                    | 77.7                 | 264.4                          | 430,300*                       | 339,200                                                         | 601,000*                   | 569,900                                                         | 742,000*                   |                                                                 |                            | 65                    |
| 70                    | 76.6                 | 263.1                          | 392,700*                       | 303,000                                                         | 553,700*                   | 514,900                                                         | 685,000*                   | 642,300                                                         | 763,700*                   | 70                    |
| 75                    | 75.5                 | 261.8                          | 360,300*                       | 272,200                                                         | 512,600*                   | 468,100                                                         | 635,300*                   | 585,900                                                         | 709,000*                   | 75                    |
| 80                    | 74.3                 | 260.4                          | 332,000*                       | 245,600                                                         | 476,500*                   | 427,800                                                         | 591,700*                   | 537,400                                                         | 660,900*                   | 80                    |
| 85                    | 73.2                 | 258.8                          | 307,200*                       | 222,500                                                         | 444,500*                   | 392,700                                                         | 553,100*                   | 495,100                                                         | 618,300*                   | 85                    |
| 90                    | 72.0                 | 257.1                          | 285,100*                       | 202,100                                                         | 415,100*                   | 361,900                                                         | 518,700*                   | 457,900                                                         | 580,400*                   | 90                    |
| 95                    | 70.8                 | 255.3                          | 265,400*                       | 184,100                                                         | 388,400*                   | 334,600                                                         | 487,800*                   | 425,000                                                         | 546,300*                   | 95                    |
| 100                   | 69.7                 | 253.4                          | 247,000                        | 168,000                                                         | 364,400*                   | 310,200                                                         | 460,000*                   | 395,700                                                         | 515,600*                   | 100                   |
| 105                   | 68.5                 | 251.4                          | 228,900                        | 153,600                                                         | 342,800*                   | 288,400                                                         | 434,700*                   | 369,400                                                         | 487,700*                   | 105                   |
| 110                   | 67.3                 | 249.3                          | 212,600                        | 140,600                                                         | 323,100*                   | 268,700                                                         | 411,700*                   | 345,600                                                         | 462,300*                   | 110                   |
| 115                   | 66.1                 | 247.0                          | 198,000                        | 128,800                                                         | 305,200*                   | 250,800                                                         | 390,600*                   | 324,100                                                         | 439,100*                   | 115                   |
| 120                   | 64.8                 | 244.6                          | 184,700                        | 118,000                                                         | 288,800*                   | 234,500                                                         | 371,200*                   | 304,500                                                         | 417,700*                   | 120                   |
| 125                   | 63.6                 | 242.1                          | 172,700                        | 108,100                                                         | 273,700*                   | 219,500                                                         | 353,400*                   | 286,500                                                         | 398,100*                   | 125                   |
| 130                   | 62.3                 | 239.4                          | 161,700                        | 99,100                                                          | 259,800*                   | 205,800                                                         | 336,900*                   | 270,000                                                         | 379,900*                   | 130                   |
| 135                   | 61.1                 | 236.6                          | 151,500                        | 90,700                                                          | 246,900*                   | 193,200                                                         | 321,600*                   | 254,800                                                         | 363,000*                   | 135                   |
| 140                   | 59.8                 | 233.6                          | 142,200                        | 83,000                                                          | 235,000*                   | 181,500                                                         | 307,400*                   | 240,700                                                         | 347,300*                   | 140                   |
| 145                   | 58.5                 | 230.5                          | 133,600                        | 75,800                                                          | 223,900*                   | 170,700                                                         | 294,100*                   | 227,700                                                         | 332,700*                   | 145                   |
| 150                   | 57.2                 | 227.2                          | 125,600                        | 69,100                                                          | 213,500*                   | 160,600                                                         | 281,700*                   | 215,500                                                         | 319,000*                   | 150                   |
| 155                   | 55.9                 | 223.8                          | 118,200                        | 62,900                                                          | 203,800*                   | 151,100                                                         | 270,100*                   | 204,200                                                         | 306,200*                   | 155                   |
| 160                   | 54.5                 | 220.2                          | 111,300                        | 57,000                                                          | 194,700*                   | 142,300                                                         | 258,900*                   | 193,600                                                         | 294,200*                   | 160                   |
| 165                   | 53.1                 | 216.4                          | 104,800                        | 51,500                                                          | 186,100*                   | 134,100                                                         | 248,400*                   | 183,700                                                         | 282,900*                   | 165                   |
| 170                   | 51.7                 | 212.4                          | 98,700                         | 46,400                                                          | 178,100*                   | 126,300                                                         | 238,500*                   | 174,300                                                         | 272,200*                   | 170                   |
| 175                   | 50.3                 | 208.1                          | 93,000                         | 41,500                                                          | 170,500*                   | 119,000                                                         | 229,200*                   | 165,600                                                         | 262,200*                   | 175                   |
| 180                   | 48.8                 | 203.7                          | 87,700                         | 36,900                                                          | 163,300*                   | 112,100                                                         | 220,400*                   | 157,300                                                         | 252,600*                   | 180                   |
| 185                   | 47.3                 | 199.0                          | 82,400*                        | 32,600                                                          | 156,600*                   | 105,600                                                         | 212,000*                   | 149,400                                                         | 243,600*                   | 185                   |
| 190                   | 45.7                 | 194.1                          | 77,000*                        | 28,500                                                          | 150,100*                   | 99,400                                                          | 204,100*                   | 142,000                                                         | 235,000*                   | 190                   |
| 195                   | 44.1                 | 188.9                          | 71,900*                        | 24,600                                                          | 144,000*                   | 93,500                                                          | 196,600*                   | 135,000                                                         | 226,900*                   | 195                   |
| 200                   | 42.5                 | 183.4                          | 67,000*                        | 20,800                                                          | 138,200*                   | 88,000                                                          | 189,500*                   | 128,300                                                         | 219,200*                   | 200                   |
| 205                   | 40.8                 | 177.6                          | 62,300*                        | 17,300                                                          | 132,700*                   | 82,600                                                          | 182,700*                   | 121,900                                                         | 211,800*                   | 205                   |
| 210                   | 39.0                 | 171.4                          | 57,800*                        | 13,900                                                          | 127,400*                   | 77,600                                                          | 176,200*                   | 115,900                                                         | 204,800*                   | 210                   |
| 215                   | 37.2                 | 164.7                          | 53,600*                        | 10,700                                                          | 122,400*                   | 72,700                                                          | 170,000*                   | 110,100                                                         | 198,100*                   | 215                   |
| 220                   | 35.3                 | 157.6                          | 49,500*                        | 7,600                                                           | 117,400*                   | 68,100                                                          | 164,100*                   | 104,500                                                         | 191,600*                   | 220                   |
| 230                   | 31.2                 | 141.7                          | 41,800*                        | 1,700                                                           | 106,600*                   | 59,400                                                          | 153,100*                   | 94,100                                                          | 179,600*                   | 230                   |
| 240                   | 26.4                 | 122.7                          | 34,700*                        |                                                                 | 96,600*                    | 51,300                                                          | 142,900*                   | 84,400                                                          | 167,300*                   | 240                   |
| 250                   | 20.7                 | 98.5                           | 27,900*                        |                                                                 | 87,100*                    | 43,700                                                          | 133,400*                   | 75,300                                                          | 150,100*                   | 250                   |

# Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56  
 492,000 Lb. Crane Counterweight  
 320,000 Lb. Carbody Counterweight  
 0 Lb. thru 863,800 Lb. Hanging Counterweight  
 at 59 Ft. Position  
 360 Degree Rating

Meets  
 ANSI B30.5  
 Requirements

**18000 With  
 21000 MAX-ER**



## 260 Ft. Boom

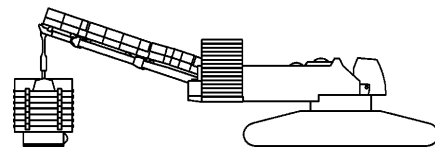
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 775,800 Lb. Hanging<br>Counterweight                            |                            | 863,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 45                    |                      |                                |                                                                 |                            |                                                                 |                            | 45                    |
| 50                    |                      |                                |                                                                 |                            |                                                                 |                            | 50                    |
| 55                    |                      |                                |                                                                 |                            |                                                                 |                            | 55                    |
| 60                    |                      |                                |                                                                 |                            |                                                                 |                            | 60                    |
| 65                    |                      |                                |                                                                 |                            |                                                                 |                            | 65                    |
| 70                    |                      |                                |                                                                 |                            |                                                                 |                            | 70                    |
| 75                    |                      |                                |                                                                 |                            |                                                                 |                            | 75                    |
| 80                    |                      |                                |                                                                 |                            |                                                                 |                            | 80                    |
| 85                    |                      |                                |                                                                 |                            |                                                                 |                            | 85                    |
| 90                    |                      |                                |                                                                 |                            |                                                                 |                            | 90                    |
| 95                    |                      |                                |                                                                 |                            |                                                                 |                            | 95                    |
| 100                   |                      |                                |                                                                 |                            |                                                                 |                            | 100                   |
| 105                   |                      |                                |                                                                 |                            |                                                                 |                            | 105                   |
| 110                   | 67.3                 | 249.3                          | 448,300                                                         | 529,800*                   |                                                                 |                            | 110                   |
| 115                   | 66.1                 | 247.0                          | 421,900                                                         | 503,700*                   |                                                                 |                            | 115                   |
| 120                   | 64.8                 | 244.6                          | 397,800                                                         | 479,700*                   |                                                                 |                            | 120                   |
| 125                   | 63.6                 | 242.1                          | 375,800                                                         | 457,600*                   |                                                                 |                            | 125                   |
| 130                   | 62.3                 | 239.4                          | 355,600                                                         | 437,200*                   |                                                                 |                            | 130                   |
| 135                   | 61.1                 | 236.6                          | 336,900                                                         | 418,200*                   |                                                                 |                            | 135                   |
| 140                   | 59.8                 | 233.6                          | 319,700                                                         | 400,600*                   |                                                                 |                            | 140                   |
| 145                   | 58.5                 | 230.5                          | 303,700                                                         | 384,200*                   | 341,700                                                         | 404,400*                   | 145                   |
| 150                   | 57.2                 | 227.2                          | 288,800                                                         | 368,800*                   | 325,500                                                         | 388,400*                   | 150                   |
| 155                   | 55.9                 | 223.8                          | 274,900                                                         | 354,400*                   | 310,300                                                         | 373,400*                   | 155                   |
| 160                   | 54.5                 | 220.2                          | 262,000                                                         | 340,900*                   | 296,200                                                         | 359,300*                   | 160                   |
| 165                   | 53.1                 | 216.4                          | 249,800                                                         | 328,200*                   | 282,900                                                         | 346,000*                   | 165                   |
| 170                   | 51.7                 | 212.4                          | 238,400                                                         | 316,200*                   | 270,400                                                         | 333,500*                   | 170                   |
| 175                   | 50.3                 | 208.1                          | 227,600                                                         | 304,900*                   | 258,700                                                         | 321,700*                   | 175                   |
| 180                   | 48.8                 | 203.7                          | 217,500                                                         | 294,200*                   | 247,600                                                         | 310,600*                   | 180                   |
| 185                   | 47.3                 | 199.0                          | 207,900                                                         | 284,100*                   | 237,200                                                         | 300,000*                   | 185                   |
| 190                   | 45.7                 | 194.1                          | 198,800                                                         | 274,500*                   | 227,300                                                         | 290,000*                   | 190                   |
| 195                   | 44.1                 | 188.9                          | 190,200                                                         | 265,300*                   | 217,900                                                         | 280,400*                   | 195                   |
| 200                   | 42.5                 | 183.4                          | 182,100                                                         | 256,600*                   | 209,000                                                         | 271,400*                   | 200                   |
| 205                   | 40.8                 | 177.6                          | 174,300                                                         | 248,400*                   | 200,500                                                         | 262,800*                   | 205                   |
| 210                   | 39.0                 | 171.4                          | 166,900                                                         | 240,500*                   | 192,400                                                         | 254,500*                   | 210                   |
| 215                   | 37.2                 | 164.7                          | 159,800                                                         | 232,900*                   | 184,700                                                         | 246,700*                   | 215                   |
| 220                   | 35.3                 | 157.6                          | 153,000                                                         | 225,700*                   | 177,300                                                         | 237,200*                   | 220                   |
| 230                   | 31.2                 | 141.7                          | 140,300                                                         | 208,600*                   | 163,400                                                         | 216,700*                   | 230                   |
| 240                   | 26.4                 | 122.7                          | 128,500                                                         | 189,600*                   | 150,600                                                         | 197,200*                   | 240                   |
| 250                   | 20.7                 | 98.5                           | 117,400                                                         | 171,100*                   | 138,500                                                         | 178,300*                   | 250                   |

# Liftcrane Boom Capacities

**Boom No. 55 or No. 55A with 140 Ft. Mast No. 56**  
**492,000 Lb. Crane Counterweight**  
**320,000 Lb. Carbody Counterweight**  
**0 Lb. thru 863,800 Lb. Hanging Counterweight**  
**at 59 Ft. Position**  
**360 Degree Rating**

Meets  
ANSI B30.5  
Requirements

## 18000 With 21000 MAX-ER



### 280 Ft. Boom

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 0 Lb. Hanging<br>Counterweight | 247,800 Lb. Hanging<br>Counterweight                            |                            | 467,800 Lb. Hanging<br>Counterweight                            |                            | 599,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>Pounds     | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 45                    | 82.8                 | 288.5                          | 661,000*                       | 584,600                                                         | 759,400*                   |                                                                 |                            |                                                                 |                            | 45                    |
| 50                    | 81.8                 | 287.8                          | 587,600*                       | 501,500                                                         | 759,400*                   |                                                                 |                            |                                                                 |                            | 50                    |
| 55                    | 80.7                 | 286.9                          | 524,300*                       | 436,000                                                         | 717,500*                   |                                                                 |                            |                                                                 |                            | 55                    |
| 60                    | 79.7                 | 286.0                          | 472,000*                       | 383,100                                                         | 653,100*                   | 637,900                                                         | 759,400*                   |                                                                 |                            | 60                    |
| 65                    | 78.6                 | 284.9                          | 427,900*                       | 339,400                                                         | 598,300*                   | 571,700                                                         | 739,400*                   |                                                                 |                            | 65                    |
| 70                    | 77.6                 | 283.8                          | 390,400*                       | 302,800                                                         | 551,100*                   | 516,100                                                         | 682,300*                   | 644,300                                                         | 759,400*                   | 70                    |
| 75                    | 76.5                 | 282.5                          | 357,900*                       | 271,600                                                         | 510,000*                   | 468,800                                                         | 632,700*                   | 587,300                                                         | 706,400*                   | 75                    |
| 80                    | 75.5                 | 281.2                          | 329,600*                       | 244,800                                                         | 473,900*                   | 428,100                                                         | 589,100*                   | 538,300                                                         | 658,300*                   | 80                    |
| 85                    | 74.4                 | 279.7                          | 304,800*                       | 221,400                                                         | 441,900*                   | 392,600                                                         | 550,500*                   | 495,600                                                         | 615,700*                   | 85                    |
| 90                    | 73.3                 | 278.2                          | 282,700*                       | 200,900                                                         | 412,700*                   | 361,500                                                         | 516,100*                   | 458,100                                                         | 577,800*                   | 90                    |
| 95                    | 72.3                 | 276.5                          | 263,000*                       | 182,700                                                         | 386,000*                   | 334,000                                                         | 485,200*                   | 424,900                                                         | 543,700*                   | 95                    |
| 100                   | 71.2                 | 274.8                          | 245,200                        | 166,500                                                         | 362,000*                   | 309,400                                                         | 457,400*                   | 395,300                                                         | 513,000*                   | 100                   |
| 105                   | 70.1                 | 272.9                          | 227,000                        | 151,900                                                         | 340,400*                   | 287,400                                                         | 432,100*                   | 368,800                                                         | 485,100*                   | 105                   |
| 110                   | 69.0                 | 271.0                          | 210,800                        | 138,800                                                         | 320,700*                   | 267,500                                                         | 409,100*                   | 344,900                                                         | 459,700*                   | 110                   |
| 115                   | 67.9                 | 268.9                          | 196,100                        | 126,900                                                         | 302,800*                   | 249,500                                                         | 388,000*                   | 323,200                                                         | 436,500*                   | 115                   |
| 120                   | 66.8                 | 266.7                          | 182,800                        | 116,000                                                         | 286,400*                   | 233,100                                                         | 368,700*                   | 303,400                                                         | 415,200*                   | 120                   |
| 125                   | 65.6                 | 264.4                          | 170,700                        | 106,100                                                         | 271,300*                   | 218,000                                                         | 350,900*                   | 285,300                                                         | 395,500*                   | 125                   |
| 130                   | 64.5                 | 262.0                          | 159,700                        | 97,000                                                          | 257,400*                   | 204,200                                                         | 334,400*                   | 268,700                                                         | 377,300*                   | 130                   |
| 135                   | 63.3                 | 259.4                          | 149,600                        | 88,600                                                          | 244,500*                   | 191,500                                                         | 319,100*                   | 253,400                                                         | 360,500*                   | 135                   |
| 140                   | 62.2                 | 256.7                          | 140,200                        | 80,800                                                          | 232,600*                   | 179,800                                                         | 304,900*                   | 239,300                                                         | 344,800*                   | 140                   |
| 145                   | 61.0                 | 253.9                          | 131,600                        | 73,600                                                          | 221,500*                   | 168,900                                                         | 291,600*                   | 226,100                                                         | 330,200*                   | 145                   |
| 150                   | 59.8                 | 250.9                          | 123,600                        | 66,800                                                          | 211,100*                   | 158,700                                                         | 279,200*                   | 213,900                                                         | 316,500*                   | 150                   |
| 155                   | 58.6                 | 247.8                          | 116,200                        | 60,500                                                          | 201,400*                   | 149,200                                                         | 267,600*                   | 202,500                                                         | 303,700*                   | 155                   |
| 160                   | 57.4                 | 244.6                          | 109,200                        | 54,700                                                          | 192,300*                   | 140,400                                                         | 256,500*                   | 191,900                                                         | 291,700*                   | 160                   |
| 165                   | 56.2                 | 241.2                          | 102,700                        | 49,200                                                          | 183,700*                   | 132,100                                                         | 246,000*                   | 181,900                                                         | 280,400*                   | 165                   |
| 170                   | 54.9                 | 237.6                          | 96,700                         | 44,000                                                          | 175,700*                   | 124,300                                                         | 236,100*                   | 172,500                                                         | 269,700*                   | 170                   |
| 175                   | 53.6                 | 233.9                          | 91,000                         | 39,100                                                          | 168,100*                   | 116,900                                                         | 226,800*                   | 163,700                                                         | 259,700*                   | 175                   |
| 180                   | 52.3                 | 230.0                          | 85,600                         | 34,500                                                          | 161,000*                   | 110,000                                                         | 218,000*                   | 155,400                                                         | 250,200*                   | 180                   |
| 185                   | 51.0                 | 225.9                          | 80,000*                        | 30,200                                                          | 154,200*                   | 103,500                                                         | 209,700*                   | 147,600                                                         | 241,200*                   | 185                   |
| 190                   | 49.7                 | 221.6                          | 74,500*                        | 26,100                                                          | 147,800*                   | 97,300                                                          | 201,800*                   | 140,100                                                         | 232,600*                   | 190                   |
| 195                   | 48.3                 | 217.1                          | 69,400*                        | 22,100                                                          | 141,700*                   | 91,400                                                          | 194,300*                   | 133,100                                                         | 224,500*                   | 195                   |
| 200                   | 46.9                 | 212.4                          | 64,500*                        | 18,400                                                          | 135,900*                   | 85,900                                                          | 187,200*                   | 126,400                                                         | 216,800*                   | 200                   |
| 205                   | 45.4                 | 207.4                          | 59,800*                        | 14,900                                                          | 130,400*                   | 80,600                                                          | 180,400*                   | 120,000                                                         | 209,400*                   | 205                   |
| 210                   | 43.9                 | 202.1                          | 55,400*                        | 11,500                                                          | 125,100*                   | 75,500                                                          | 173,900*                   | 114,000                                                         | 202,400*                   | 210                   |
| 215                   | 42.4                 | 196.6                          | 51,200*                        | 8,300                                                           | 120,100*                   | 70,700                                                          | 167,800*                   | 108,200                                                         | 195,700*                   | 215                   |
| 220                   | 40.9                 | 190.8                          | 47,100*                        | 5,200                                                           | 115,300*                   | 66,100                                                          | 161,900*                   | 102,700                                                         | 189,300*                   | 220                   |
| 230                   | 37.5                 | 178.1                          | 39,500*                        |                                                                 | 104,500*                   | 57,400                                                          | 150,800*                   | 92,300                                                          | 177,300*                   | 230                   |
| 240                   | 34.0                 | 163.7                          | 32,500*                        |                                                                 | 94,600*                    | 49,500                                                          | 140,700*                   | 82,800                                                          | 166,200*                   | 240                   |
| 250                   | 30.0                 | 147.0                          | 25,900*                        |                                                                 | 85,500*                    | 42,100                                                          | 131,400*                   | 73,900                                                          | 155,900*                   | 250                   |
| 260                   | 25.4                 | 127.1                          | 19,800*                        |                                                                 | 76,900*                    | 35,100                                                          | 122,700*                   | 65,600                                                          | 143,200*                   | 260                   |
| 270                   | 19.9                 | 101.9                          |                                |                                                                 | 68,800*                    | 28,500                                                          | 113,600*                   | 57,800                                                          | 128,200*                   | 270                   |

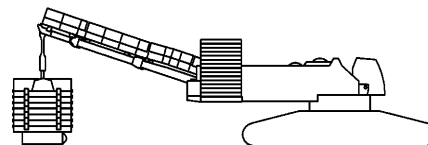


# Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56  
 492,000 Lb. Crane Counterweight  
 320,000 Lb. Carbody Counterweight  
 0 Lb. thru 863,800 Lb. Hanging Counterweight  
 at 59 Ft. Position  
 360 Degree Rating

Meets  
 ANSI B30.5  
 Requirements

**18000 With  
 21000 MAX-ER**



## 280 Ft. Boom

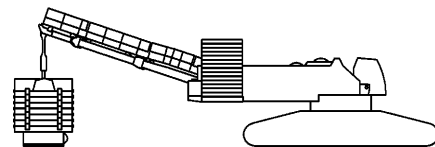
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 775,800 Lb. Hanging<br>Counterweight                            |                            | 863,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 45                    |                      |                                |                                                                 |                            |                                                                 |                            | 45                    |
| 50                    |                      |                                |                                                                 |                            |                                                                 |                            | 50                    |
| 55                    |                      |                                |                                                                 |                            |                                                                 |                            | 55                    |
| 60                    |                      |                                |                                                                 |                            |                                                                 |                            | 60                    |
| 65                    |                      |                                |                                                                 |                            |                                                                 |                            | 65                    |
| 70                    |                      |                                |                                                                 |                            |                                                                 |                            | 70                    |
| 75                    |                      |                                |                                                                 |                            |                                                                 |                            | 75                    |
| 80                    |                      |                                |                                                                 |                            |                                                                 |                            | 80                    |
| 85                    |                      |                                |                                                                 |                            |                                                                 |                            | 85                    |
| 90                    |                      |                                |                                                                 |                            |                                                                 |                            | 90                    |
| 95                    |                      |                                |                                                                 |                            |                                                                 |                            | 95                    |
| 100                   |                      |                                |                                                                 |                            |                                                                 |                            | 100                   |
| 105                   |                      |                                |                                                                 |                            |                                                                 |                            | 105                   |
| 110                   | 69.0                 | 271.0                          | 448,000                                                         | 527,300*                   |                                                                 |                            | 110                   |
| 115                   | 67.9                 | 268.9                          | 421,400                                                         | 501,200*                   |                                                                 |                            | 115                   |
| 120                   | 66.8                 | 266.7                          | 397,200                                                         | 477,200*                   |                                                                 |                            | 120                   |
| 125                   | 65.6                 | 264.4                          | 375,000                                                         | 455,100*                   |                                                                 |                            | 125                   |
| 130                   | 64.5                 | 262.0                          | 354,700                                                         | 434,700*                   |                                                                 |                            | 130                   |
| 135                   | 63.3                 | 259.4                          | 335,900                                                         | 415,700*                   |                                                                 |                            | 135                   |
| 140                   | 62.2                 | 256.7                          | 318,600                                                         | 398,100*                   |                                                                 |                            | 140                   |
| 145                   | 61.0                 | 253.9                          | 302,500                                                         | 381,600*                   | 340,700                                                         | 401,900*                   | 145                   |
| 150                   | 59.8                 | 250.9                          | 287,600                                                         | 366,300*                   | 324,400                                                         | 385,900*                   | 150                   |
| 155                   | 58.6                 | 247.8                          | 273,600                                                         | 351,900*                   | 309,200                                                         | 370,900*                   | 155                   |
| 160                   | 57.4                 | 244.6                          | 260,600                                                         | 338,400*                   | 294,900                                                         | 356,800*                   | 160                   |
| 165                   | 56.2                 | 241.2                          | 248,400                                                         | 325,700*                   | 281,600                                                         | 343,500*                   | 165                   |
| 170                   | 54.9                 | 237.6                          | 236,900                                                         | 313,700*                   | 269,100                                                         | 331,000*                   | 170                   |
| 175                   | 53.6                 | 233.9                          | 226,100                                                         | 302,400*                   | 257,300                                                         | 319,300*                   | 175                   |
| 180                   | 52.3                 | 230.0                          | 215,900                                                         | 291,700*                   | 246,200                                                         | 308,100*                   | 180                   |
| 185                   | 51.0                 | 225.9                          | 206,300                                                         | 281,600*                   | 235,700                                                         | 297,500*                   | 185                   |
| 190                   | 49.7                 | 221.6                          | 197,200                                                         | 272,000*                   | 225,800                                                         | 287,500*                   | 190                   |
| 195                   | 48.3                 | 217.1                          | 188,600                                                         | 262,900*                   | 216,400                                                         | 278,000*                   | 195                   |
| 200                   | 46.9                 | 212.4                          | 180,400                                                         | 254,200*                   | 207,500                                                         | 269,000*                   | 200                   |
| 205                   | 45.4                 | 207.4                          | 172,600                                                         | 246,000*                   | 199,000                                                         | 260,300*                   | 205                   |
| 210                   | 43.9                 | 202.1                          | 165,200                                                         | 238,100*                   | 190,900                                                         | 252,100*                   | 210                   |
| 215                   | 42.4                 | 196.6                          | 158,200                                                         | 230,500*                   | 183,200                                                         | 244,300*                   | 215                   |
| 220                   | 40.9                 | 190.8                          | 151,400                                                         | 223,400*                   | 175,800                                                         | 236,800*                   | 220                   |
| 230                   | 37.5                 | 178.1                          | 138,800                                                         | 209,900*                   | 162,100                                                         | 222,700*                   | 230                   |
| 240                   | 34.0                 | 163.7                          | 127,200                                                         | 197,500*                   | 149,400                                                         | 205,500*                   | 240                   |
| 250                   | 30.0                 | 147.0                          | 116,400                                                         | 180,400*                   | 137,600                                                         | 187,800*                   | 250                   |
| 260                   | 25.4                 | 127.1                          | 106,300                                                         | 163,900*                   | 126,700                                                         | 171,000*                   | 260                   |
| 270                   | 19.9                 | 101.9                          | 96,800                                                          | 147,700*                   | 116,300                                                         | 154,300*                   | 270                   |

# Liftcrane Boom Capacities

**Boom No. 55 or No. 55A with 140 Ft. Mast No. 56**  
**492,000 Lb. Crane Counterweight**  
**320,000 Lb. Carbody Counterweight**  
**0 Lb. thru 863,800 Lb. Hanging Counterweight**  
**at 59 Ft. Position**  
**360 Degree Rating**

**Meets**  
**ANSI B30.5**  
**Requirements**

## 18000 With 21000 MAX-ER



### 300 Ft. Boom

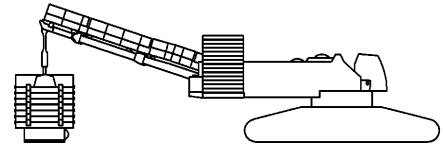
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 0 Lb. Hanging<br>Counterweight | 247,800 Lb. Hanging<br>Counterweight                            |                            | 467,800 Lb. Hanging<br>Counterweight                            |                            | 599,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>Pounds     | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 50                    | 82.3                 | 308.0                          | 583,800*                       | 501,800                                                         | 655,000*                   |                                                                 |                            |                                                                 |                            | 50                    |
| 55                    | 81.3                 | 307.2                          | 520,500*                       | 435,400                                                         | 655,000*                   |                                                                 |                            |                                                                 |                            | 55                    |
| 60                    | 80.4                 | 306.3                          | 468,100*                       | 381,800                                                         | 648,900*                   |                                                                 |                            |                                                                 |                            | 60                    |
| 65                    | 79.4                 | 305.3                          | 424,100*                       | 337,600                                                         | 594,100*                   |                                                                 |                            |                                                                 |                            | 65                    |
| 70                    | 78.4                 | 304.3                          | 386,500*                       | 300,500                                                         | 546,900*                   | 515,100                                                         | 655,000*                   |                                                                 |                            | 70                    |
| 75                    | 77.4                 | 303.1                          | 354,000*                       | 269,000                                                         | 505,800*                   | 467,300                                                         | 628,500*                   |                                                                 |                            | 75                    |
| 80                    | 76.5                 | 301.9                          | 325,700*                       | 241,800                                                         | 469,700*                   | 426,200                                                         | 584,900*                   | 537,000                                                         | 654,100*                   | 80                    |
| 85                    | 75.5                 | 300.5                          | 300,800*                       | 218,200                                                         | 437,700*                   | 390,400                                                         | 546,300*                   | 493,900                                                         | 611,500*                   | 85                    |
| 90                    | 74.5                 | 299.1                          | 278,700*                       | 197,500                                                         | 408,700*                   | 359,000                                                         | 511,900*                   | 456,100                                                         | 573,600*                   | 90                    |
| 95                    | 73.5                 | 297.6                          | 259,000*                       | 179,100                                                         | 382,000*                   | 331,200                                                         | 481,000*                   | 422,600                                                         | 539,500*                   | 95                    |
| 100                   | 72.5                 | 296.0                          | 241,300*                       | 162,800                                                         | 358,000*                   | 306,400                                                         | 453,200*                   | 392,800                                                         | 508,800*                   | 100                   |
| 105                   | 71.5                 | 294.2                          | 223,700                        | 148,100                                                         | 336,400*                   | 284,200                                                         | 427,900*                   | 366,100                                                         | 480,900*                   | 105                   |
| 110                   | 70.5                 | 292.4                          | 207,400                        | 134,900                                                         | 316,700*                   | 264,200                                                         | 404,900*                   | 341,900                                                         | 455,500*                   | 110                   |
| 115                   | 69.4                 | 290.5                          | 192,700                        | 122,800                                                         | 298,800*                   | 246,000                                                         | 383,800*                   | 320,100                                                         | 432,300*                   | 115                   |
| 120                   | 68.4                 | 288.5                          | 179,400                        | 111,900                                                         | 282,400*                   | 229,500                                                         | 364,500*                   | 300,200                                                         | 411,000*                   | 120                   |
| 125                   | 67.4                 | 286.4                          | 167,300                        | 101,900                                                         | 267,300*                   | 214,400                                                         | 346,700*                   | 281,900                                                         | 391,300*                   | 125                   |
| 130                   | 66.3                 | 284.1                          | 156,200                        | 92,700                                                          | 253,400*                   | 200,500                                                         | 330,200*                   | 265,200                                                         | 373,200*                   | 130                   |
| 135                   | 65.3                 | 281.8                          | 146,100                        | 84,200                                                          | 240,500*                   | 187,700                                                         | 314,900*                   | 249,800                                                         | 356,300*                   | 135                   |
| 140                   | 64.2                 | 279.3                          | 136,700                        | 76,400                                                          | 228,500*                   | 175,800                                                         | 300,700*                   | 235,600                                                         | 340,600*                   | 140                   |
| 145                   | 63.1                 | 276.7                          | 128,000                        | 69,100                                                          | 217,400*                   | 164,800                                                         | 287,400*                   | 222,400                                                         | 326,000*                   | 145                   |
| 150                   | 62.0                 | 274.0                          | 120,000                        | 62,300                                                          | 207,100*                   | 154,600                                                         | 275,000*                   | 210,100                                                         | 312,400*                   | 150                   |
| 155                   | 60.9                 | 271.2                          | 112,600                        | 56,000                                                          | 197,400*                   | 145,100                                                         | 263,400*                   | 198,600                                                         | 299,600*                   | 155                   |
| 160                   | 59.8                 | 268.3                          | 105,600                        | 50,100                                                          | 188,300*                   | 136,200                                                         | 252,500*                   | 187,900                                                         | 287,500*                   | 160                   |
| 165                   | 58.7                 | 265.2                          | 99,100                         | 44,600                                                          | 179,700*                   | 127,900                                                         | 242,000*                   | 177,900                                                         | 276,200*                   | 165                   |
| 170                   | 57.6                 | 262.0                          | 93,000                         | 39,400                                                          | 171,700*                   | 120,000                                                         | 232,100*                   | 168,500                                                         | 265,600*                   | 170                   |
| 175                   | 56.4                 | 258.6                          | 87,000*                        | 34,500                                                          | 164,100*                   | 112,700                                                         | 222,800*                   | 159,600                                                         | 255,500*                   | 175                   |
| 180                   | 55.3                 | 255.1                          | 81,000*                        | 29,900                                                          | 156,900*                   | 105,700                                                         | 214,000*                   | 151,300                                                         | 246,000*                   | 180                   |
| 185                   | 54.1                 | 251.4                          | 75,200*                        | 25,500                                                          | 150,200*                   | 99,100                                                          | 205,600*                   | 143,400                                                         | 237,000*                   | 185                   |
| 190                   | 52.9                 | 247.6                          | 69,800*                        | 21,400                                                          | 143,800*                   | 92,900                                                          | 197,800*                   | 135,900                                                         | 228,500*                   | 190                   |
| 195                   | 51.6                 | 243.6                          | 64,700*                        | 17,500                                                          | 137,700*                   | 87,000                                                          | 190,300*                   | 128,900                                                         | 220,400*                   | 195                   |
| 200                   | 50.4                 | 239.4                          | 59,800*                        | 13,700                                                          | 131,900*                   | 81,500                                                          | 183,100*                   | 122,200                                                         | 212,600*                   | 200                   |
| 205                   | 49.1                 | 235.0                          | 55,100*                        | 10,200                                                          | 126,400*                   | 76,100                                                          | 176,400*                   | 115,800                                                         | 205,300*                   | 205                   |
| 210                   | 47.8                 | 230.4                          | 50,700*                        | 6,800                                                           | 121,100*                   | 71,100                                                          | 169,900*                   | 109,700                                                         | 198,300*                   | 210                   |
| 215                   | 46.5                 | 225.7                          | 46,400*                        | 3,600                                                           | 116,100*                   | 66,300                                                          | 163,800*                   | 103,900                                                         | 191,600*                   | 215                   |
| 220                   | 45.2                 | 220.6                          | 42,400*                        | 500                                                             | 110,700*                   | 61,600                                                          | 157,900*                   | 98,400                                                          | 185,200*                   | 220                   |
| 230                   | 42.4                 | 209.9                          | 34,800*                        |                                                                 | 100,000*                   | 53,000                                                          | 146,900*                   | 88,100                                                          | 173,200*                   | 230                   |
| 240                   | 39.4                 | 197.9                          | 27,800*                        |                                                                 | 90,200*                    | 45,100                                                          | 136,800*                   | 78,600                                                          | 162,200*                   | 240                   |
| 250                   | 36.2                 | 184.6                          | 21,300*                        |                                                                 | 81,100*                    | 37,800                                                          | 127,500*                   | 69,800                                                          | 152,000*                   | 250                   |
| 260                   | 32.7                 | 169.5                          | 15,300*                        |                                                                 | 72,600*                    | 31,000                                                          | 118,800*                   | 61,700                                                          | 142,400*                   | 260                   |
| 270                   | 28.9                 | 152.1                          |                                |                                                                 | 64,800*                    | 24,600                                                          | 110,800*                   | 54,000                                                          | 133,200*                   | 270                   |
| 280                   | 24.5                 | 131.4                          |                                |                                                                 | 57,300*                    | 18,600                                                          | 103,300*                   | 46,900                                                          | 119,800*                   | 280                   |
| 290                   | 19.2                 | 105.2                          |                                |                                                                 | 50,200*                    | 12,800                                                          | 92,800*                    | 40,000                                                          | 106,400*                   | 290                   |

# Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56  
 492,000 Lb. Crane Counterweight  
 320,000 Lb. Carbody Counterweight  
 0 Lb. thru 863,800 Lb. Hanging Counterweight  
 at 59 Ft. Position  
 360 Degree Rating

Meets  
ANSI B30.5  
Requirements

**18000 With  
21000 MAX-ER**



## 300 Ft. Boom

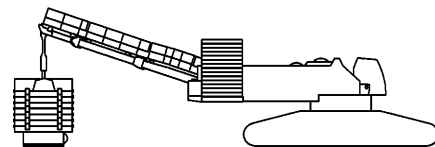
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 775,800 Lb. Hanging<br>Counterweight                            |                            | 863,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 50                    |                      |                                |                                                                 |                            |                                                                 |                            | 50                    |
| 55                    |                      |                                |                                                                 |                            |                                                                 |                            | 55                    |
| 60                    |                      |                                |                                                                 |                            |                                                                 |                            | 60                    |
| 65                    |                      |                                |                                                                 |                            |                                                                 |                            | 65                    |
| 70                    |                      |                                |                                                                 |                            |                                                                 |                            | 70                    |
| 75                    |                      |                                |                                                                 |                            |                                                                 |                            | 75                    |
| 80                    |                      |                                |                                                                 |                            |                                                                 |                            | 80                    |
| 85                    |                      |                                |                                                                 |                            |                                                                 |                            | 85                    |
| 90                    |                      |                                |                                                                 |                            |                                                                 |                            | 90                    |
| 95                    |                      |                                |                                                                 |                            |                                                                 |                            | 95                    |
| 100                   |                      |                                |                                                                 |                            |                                                                 |                            | 100                   |
| 105                   |                      |                                |                                                                 |                            |                                                                 |                            | 105                   |
| 110                   |                      |                                |                                                                 |                            |                                                                 |                            | 110                   |
| 115                   | 69.4                 | 290.5                          | 418,800                                                         | 497,000*                   |                                                                 |                            | 115                   |
| 120                   | 68.4                 | 288.5                          | 394,400                                                         | 473,000*                   |                                                                 |                            | 120                   |
| 125                   | 67.4                 | 286.4                          | 372,100                                                         | 450,900*                   |                                                                 |                            | 125                   |
| 130                   | 66.3                 | 284.1                          | 351,600                                                         | 430,500*                   |                                                                 |                            | 130                   |
| 135                   | 65.3                 | 281.8                          | 332,700                                                         | 411,500*                   |                                                                 |                            | 135                   |
| 140                   | 64.2                 | 279.3                          | 315,300                                                         | 393,900*                   |                                                                 |                            | 140                   |
| 145                   | 63.1                 | 276.7                          | 299,100                                                         | 377,500*                   | 337,400                                                         | 397,700*                   | 145                   |
| 150                   | 62.0                 | 274.0                          | 284,000                                                         | 362,100*                   | 321,000                                                         | 381,700*                   | 150                   |
| 155                   | 60.9                 | 271.2                          | 270,000                                                         | 347,700*                   | 305,700                                                         | 366,700*                   | 155                   |
| 160                   | 59.8                 | 268.3                          | 256,900                                                         | 334,200*                   | 291,400                                                         | 352,600*                   | 160                   |
| 165                   | 58.7                 | 265.2                          | 244,600                                                         | 321,500*                   | 278,000                                                         | 339,400*                   | 165                   |
| 170                   | 57.6                 | 262.0                          | 233,100                                                         | 309,600*                   | 265,400                                                         | 326,900*                   | 170                   |
| 175                   | 56.4                 | 258.6                          | 222,300                                                         | 298,300*                   | 253,600                                                         | 315,100*                   | 175                   |
| 180                   | 55.3                 | 255.1                          | 212,000                                                         | 287,600*                   | 242,400                                                         | 304,000*                   | 180                   |
| 185                   | 54.1                 | 251.4                          | 202,400                                                         | 277,500*                   | 231,900                                                         | 293,400*                   | 185                   |
| 190                   | 52.9                 | 247.6                          | 193,300                                                         | 267,900*                   | 222,000                                                         | 283,400*                   | 190                   |
| 195                   | 51.6                 | 243.6                          | 184,600                                                         | 258,800*                   | 212,500                                                         | 273,900*                   | 195                   |
| 200                   | 50.4                 | 239.4                          | 176,400                                                         | 250,100*                   | 203,600                                                         | 264,900*                   | 200                   |
| 205                   | 49.1                 | 235.0                          | 168,600                                                         | 241,800*                   | 195,100                                                         | 256,200*                   | 205                   |
| 210                   | 47.8                 | 230.4                          | 161,200                                                         | 234,000*                   | 187,000                                                         | 248,000*                   | 210                   |
| 215                   | 46.5                 | 225.7                          | 154,100                                                         | 226,500*                   | 179,300                                                         | 240,200*                   | 215                   |
| 220                   | 45.2                 | 220.6                          | 147,400                                                         | 219,300*                   | 171,900                                                         | 232,700*                   | 220                   |
| 230                   | 42.4                 | 209.9                          | 134,800                                                         | 205,800*                   | 158,100                                                         | 218,700*                   | 230                   |
| 240                   | 39.4                 | 197.9                          | 123,200                                                         | 193,500*                   | 145,500                                                         | 205,800*                   | 240                   |
| 250                   | 36.2                 | 184.6                          | 112,500                                                         | 182,000*                   | 133,900                                                         | 192,000*                   | 250                   |
| 260                   | 32.7                 | 169.5                          | 102,600                                                         | 168,500*                   | 123,100                                                         | 175,800*                   | 260                   |
| 270                   | 28.9                 | 152.1                          | 93,300                                                          | 153,500*                   | 113,000                                                         | 160,400*                   | 270                   |
| 280                   | 24.5                 | 131.4                          | 84,600                                                          | 139,000*                   | 103,500                                                         | 145,600*                   | 280                   |
| 290                   | 19.2                 | 105.2                          | 76,300                                                          | 124,600*                   | 94,400                                                          | 130,900*                   | 290                   |

# Liftcrane Boom Capacities

**Boom No. 55 or No. 55A with 140 Ft. Mast No. 56**  
**492,000 Lb. Crane Counterweight**  
**320,000 Lb. Carbody Counterweight**  
**0 Lb. thru 863,800 Lb. Hanging Counterweight**  
**at 59 Ft. Position**  
**360 Degree Rating**

Meets  
ANSI B30.5  
Requirements

## 18000 With 21000 MAX-ER



### 320 Ft. Boom

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 0 Lb. Hanging<br>Counterweight | 247,800 Lb. Hanging<br>Counterweight                            |                            | 467,800 Lb. Hanging<br>Counterweight                            |                            | 599,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>Pounds     | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 50                    | 82.8                 | 328.2                          | 562,300*                       |                                                                 |                            |                                                                 |                            |                                                                 |                            | 50                    |
| 55                    | 81.9                 | 327.5                          | 520,900*                       | 440,000                                                         | 562,300*                   |                                                                 |                            |                                                                 |                            | 55                    |
| 60                    | 81.0                 | 326.6                          | 468,500*                       | 385,700                                                         | 562,300*                   |                                                                 |                            |                                                                 |                            | 60                    |
| 65                    | 80.1                 | 325.7                          | 424,400*                       | 341,100                                                         | 562,300*                   |                                                                 |                            |                                                                 |                            | 65                    |
| 70                    | 79.2                 | 324.7                          | 386,800*                       | 303,600                                                         | 547,000*                   |                                                                 |                            |                                                                 |                            | 70                    |
| 75                    | 78.2                 | 323.6                          | 354,300*                       | 271,800                                                         | 505,900*                   | 471,300                                                         | 562,300*                   |                                                                 |                            | 75                    |
| 80                    | 77.3                 | 322.5                          | 326,000*                       | 244,400                                                         | 469,800*                   | 429,800                                                         | 562,300*                   |                                                                 |                            | 80                    |
| 85                    | 76.4                 | 321.2                          | 301,100*                       | 220,600                                                         | 437,800*                   | 393,700                                                         | 546,500*                   |                                                                 |                            | 85                    |
| 90                    | 75.5                 | 319.9                          | 279,100*                       | 199,700                                                         | 409,100*                   | 362,000                                                         | 512,100*                   | 459,600                                                         | 562,300*                   | 90                    |
| 95                    | 74.5                 | 318.5                          | 259,400*                       | 181,200                                                         | 382,400*                   | 334,000                                                         | 481,200*                   | 425,900                                                         | 539,700*                   | 95                    |
| 100                   | 73.6                 | 317.0                          | 241,700*                       | 164,700                                                         | 358,400*                   | 309,100                                                         | 453,400*                   | 395,900                                                         | 509,000*                   | 100                   |
| 105                   | 72.7                 | 315.4                          | 224,500                        | 149,900                                                         | 336,700*                   | 286,700                                                         | 428,100*                   | 368,900                                                         | 481,100*                   | 105                   |
| 110                   | 71.7                 | 313.7                          | 208,200                        | 136,600                                                         | 317,100*                   | 266,500                                                         | 405,100*                   | 344,600                                                         | 455,800*                   | 110                   |
| 115                   | 70.8                 | 311.9                          | 193,500                        | 124,500                                                         | 299,100*                   | 248,200                                                         | 384,100*                   | 322,600                                                         | 432,600*                   | 115                   |
| 120                   | 69.8                 | 310.0                          | 180,200                        | 113,500                                                         | 282,700*                   | 231,600                                                         | 364,700*                   | 302,600                                                         | 411,200*                   | 120                   |
| 125                   | 68.9                 | 308.0                          | 168,000                        | 103,400                                                         | 267,600*                   | 216,400                                                         | 346,900*                   | 284,300                                                         | 391,600*                   | 125                   |
| 130                   | 67.9                 | 306.0                          | 156,900                        | 94,200                                                          | 253,700*                   | 202,400                                                         | 330,400*                   | 267,400                                                         | 373,400*                   | 130                   |
| 135                   | 66.9                 | 303.8                          | 146,800                        | 85,700                                                          | 240,900*                   | 189,500                                                         | 315,200*                   | 251,900                                                         | 356,600*                   | 135                   |
| 140                   | 65.9                 | 301.5                          | 137,400                        | 77,800                                                          | 228,900*                   | 177,600                                                         | 301,000*                   | 237,600                                                         | 340,900*                   | 140                   |
| 145                   | 64.9                 | 299.1                          | 128,700                        | 70,500                                                          | 217,800*                   | 166,600                                                         | 287,700*                   | 224,400                                                         | 326,300*                   | 145                   |
| 150                   | 63.9                 | 296.7                          | 120,700                        | 63,700                                                          | 207,400*                   | 156,300                                                         | 275,300*                   | 212,000                                                         | 312,700*                   | 150                   |
| 155                   | 62.9                 | 294.1                          | 113,300                        | 57,300                                                          | 197,700*                   | 146,800                                                         | 263,700*                   | 200,500                                                         | 299,900*                   | 155                   |
| 160                   | 61.9                 | 291.4                          | 106,300                        | 51,400                                                          | 188,700*                   | 137,800                                                         | 252,800*                   | 189,800                                                         | 287,900*                   | 160                   |
| 165                   | 60.9                 | 288.5                          | 99,800                         | 45,900                                                          | 180,100*                   | 129,400                                                         | 242,400*                   | 179,700                                                         | 276,600*                   | 165                   |
| 170                   | 59.8                 | 285.6                          | 93,700                         | 40,600                                                          | 172,100*                   | 121,600                                                         | 232,500*                   | 170,200                                                         | 265,900*                   | 170                   |
| 175                   | 58.8                 | 282.5                          | 88,000                         | 35,700                                                          | 164,500*                   | 114,200                                                         | 223,200*                   | 161,300                                                         | 255,900*                   | 175                   |
| 180                   | 57.7                 | 279.3                          | 82,100*                        | 31,100                                                          | 157,400*                   | 107,200                                                         | 214,400*                   | 153,000                                                         | 246,400*                   | 180                   |
| 185                   | 56.7                 | 276.0                          | 76,400*                        | 26,700                                                          | 150,600*                   | 100,600                                                         | 206,100*                   | 145,100                                                         | 237,400*                   | 185                   |
| 190                   | 55.6                 | 272.5                          | 70,900*                        | 22,600                                                          | 144,200*                   | 94,400                                                          | 198,200*                   | 137,600                                                         | 228,900*                   | 190                   |
| 195                   | 54.5                 | 268.9                          | 65,800*                        | 18,700                                                          | 138,100*                   | 88,500                                                          | 190,700*                   | 130,500                                                         | 220,800*                   | 195                   |
| 200                   | 53.3                 | 265.1                          | 60,900*                        | 14,900                                                          | 132,300*                   | 82,900                                                          | 183,600*                   | 123,800                                                         | 213,000*                   | 200                   |
| 205                   | 52.2                 | 261.2                          | 56,200*                        | 11,400                                                          | 126,800*                   | 77,600                                                          | 176,800*                   | 117,400                                                         | 205,700*                   | 205                   |
| 210                   | 51.0                 | 257.1                          | 51,800*                        | 8,000                                                           | 121,600*                   | 72,500                                                          | 170,400*                   | 111,300                                                         | 198,700*                   | 210                   |
| 215                   | 49.9                 | 252.9                          | 47,600*                        | 4,800                                                           | 116,600*                   | 67,700                                                          | 164,300*                   | 105,500                                                         | 192,000*                   | 215                   |
| 220                   | 48.7                 | 248.4                          | 43,500*                        | 1,700                                                           | 111,800*                   | 63,100                                                          | 158,400*                   | 100,000                                                         | 185,600*                   | 220                   |
| 230                   | 46.2                 | 239.0                          | 36,000*                        |                                                                 | 101,400*                   | 54,500                                                          | 147,400*                   | 89,700                                                          | 173,700*                   | 230                   |
| 240                   | 43.6                 | 228.6                          | 29,000*                        |                                                                 | 91,600*                    | 46,600                                                          | 137,300*                   | 80,200                                                          | 162,700*                   | 240                   |
| 250                   | 40.9                 | 217.3                          | 22,600*                        |                                                                 | 82,500*                    | 39,300                                                          | 128,000*                   | 71,400                                                          | 152,500*                   | 250                   |
| 260                   | 38.1                 | 204.7                          | 16,600*                        |                                                                 | 74,100*                    | 32,500                                                          | 119,400*                   | 63,400                                                          | 143,000*                   | 260                   |
| 270                   | 35.0                 | 190.8                          |                                |                                                                 | 66,300*                    | 26,200                                                          | 111,500*                   | 55,800                                                          | 134,200*                   | 270                   |
| 280                   | 31.6                 | 175.1                          |                                |                                                                 | 59,100*                    | 20,400                                                          | 104,000*                   | 48,800                                                          | 125,900*                   | 280                   |
| 290                   | 27.9                 | 157.0                          |                                |                                                                 | 52,200*                    | 14,800                                                          | 97,100*                    | 42,200                                                          | 116,500*                   | 290                   |
| 300                   | 23.7                 | 135.4                          |                                |                                                                 | 45,700*                    | 9,500                                                           | 89,500*                    | 35,900                                                          | 104,600*                   | 300                   |
| 310                   | 18.5                 | 108.3                          |                                |                                                                 | 39,400*                    | 4,400                                                           | 79,900*                    | 29,900                                                          | 92,700*                    | 310                   |

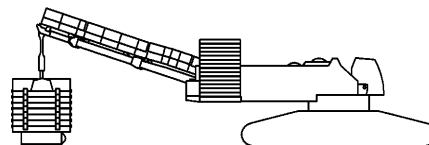


# Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56  
 492,000 Lb. Crane Counterweight  
 320,000 Lb. Carbody Counterweight  
 0 Lb. thru 863,800 Lb. Hanging Counterweight  
 at 59 Ft. Position  
 360 Degree Rating

Meets  
 ANSI B30.5  
 Requirements

**18000 With  
 21000 MAX-ER**



## 320 Ft. Boom

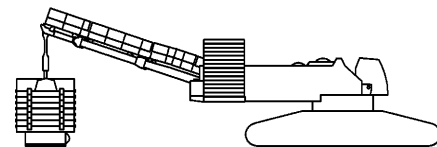
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 775,800 Lb. Hanging<br>Counterweight                            |                            | 863,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 50                    |                      |                                |                                                                 |                            |                                                                 |                            | 50                    |
| 55                    |                      |                                |                                                                 |                            |                                                                 |                            | 55                    |
| 60                    |                      |                                |                                                                 |                            |                                                                 |                            | 60                    |
| 65                    |                      |                                |                                                                 |                            |                                                                 |                            | 65                    |
| 70                    |                      |                                |                                                                 |                            |                                                                 |                            | 70                    |
| 75                    |                      |                                |                                                                 |                            |                                                                 |                            | 75                    |
| 80                    |                      |                                |                                                                 |                            |                                                                 |                            | 80                    |
| 85                    |                      |                                |                                                                 |                            |                                                                 |                            | 85                    |
| 90                    |                      |                                |                                                                 |                            |                                                                 |                            | 90                    |
| 95                    |                      |                                |                                                                 |                            |                                                                 |                            | 95                    |
| 100                   |                      |                                |                                                                 |                            |                                                                 |                            | 100                   |
| 105                   |                      |                                |                                                                 |                            |                                                                 |                            | 105                   |
| 110                   |                      |                                |                                                                 |                            |                                                                 |                            | 110                   |
| 115                   | 70.8                 | 311.9                          | 421,800                                                         | 497,200*                   |                                                                 |                            | 115                   |
| 120                   | 69.8                 | 310.0                          | 397,200                                                         | 473,200*                   |                                                                 |                            | 120                   |
| 125                   | 68.9                 | 308.0                          | 374,800                                                         | 451,100*                   |                                                                 |                            | 125                   |
| 130                   | 67.9                 | 306.0                          | 354,200                                                         | 430,700*                   |                                                                 |                            | 130                   |
| 135                   | 66.9                 | 303.8                          | 335,200                                                         | 411,800*                   |                                                                 |                            | 135                   |
| 140                   | 65.9                 | 301.5                          | 317,600                                                         | 394,200*                   |                                                                 |                            | 140                   |
| 145                   | 64.9                 | 299.1                          | 301,400                                                         | 377,800*                   |                                                                 |                            | 145                   |
| 150                   | 63.9                 | 296.7                          | 286,300                                                         | 362,400*                   | 323,400                                                         | 382,000*                   | 150                   |
| 155                   | 62.9                 | 294.1                          | 272,200                                                         | 348,000*                   | 308,000                                                         | 367,000*                   | 155                   |
| 160                   | 61.9                 | 291.4                          | 259,000                                                         | 334,600*                   | 293,700                                                         | 352,900*                   | 160                   |
| 165                   | 60.9                 | 288.5                          | 246,700                                                         | 321,900*                   | 280,200                                                         | 339,700*                   | 165                   |
| 170                   | 59.8                 | 285.6                          | 235,100                                                         | 309,900*                   | 267,600                                                         | 327,200*                   | 170                   |
| 175                   | 58.8                 | 282.5                          | 224,200                                                         | 298,600*                   | 255,700                                                         | 315,500*                   | 175                   |
| 180                   | 57.7                 | 279.3                          | 214,000                                                         | 288,000*                   | 244,500                                                         | 304,300*                   | 180                   |
| 185                   | 56.7                 | 276.0                          | 204,300                                                         | 277,800*                   | 233,900                                                         | 293,800*                   | 185                   |
| 190                   | 55.6                 | 272.5                          | 195,100                                                         | 268,300*                   | 223,900                                                         | 283,800*                   | 190                   |
| 195                   | 54.5                 | 268.9                          | 186,500                                                         | 259,200*                   | 214,500                                                         | 274,300*                   | 195                   |
| 200                   | 53.3                 | 265.1                          | 178,300                                                         | 250,500*                   | 205,500                                                         | 265,300*                   | 200                   |
| 205                   | 52.2                 | 261.2                          | 170,400                                                         | 242,300*                   | 197,000                                                         | 256,600*                   | 205                   |
| 210                   | 51.0                 | 257.1                          | 163,000                                                         | 234,400*                   | 188,900                                                         | 248,400*                   | 210                   |
| 215                   | 49.9                 | 252.9                          | 155,900                                                         | 226,900*                   | 181,200                                                         | 240,600*                   | 215                   |
| 220                   | 48.7                 | 248.4                          | 149,200                                                         | 219,700*                   | 173,800                                                         | 233,100*                   | 220                   |
| 230                   | 46.2                 | 239.0                          | 136,600                                                         | 206,300*                   | 160,000                                                         | 219,100*                   | 230                   |
| 240                   | 43.6                 | 228.6                          | 125,000                                                         | 193,900*                   | 147,400                                                         | 206,300*                   | 240                   |
| 250                   | 40.9                 | 217.3                          | 114,300                                                         | 182,600*                   | 135,800                                                         | 194,400*                   | 250                   |
| 260                   | 38.1                 | 204.7                          | 104,500                                                         | 172,000*                   | 125,100                                                         | 183,400*                   | 260                   |
| 270                   | 35.0                 | 190.8                          | 95,300                                                          | 162,200*                   | 115,100                                                         | 169,600*                   | 270                   |
| 280                   | 31.6                 | 175.1                          | 86,800                                                          | 148,600*                   | 105,800                                                         | 155,400*                   | 280                   |
| 290                   | 27.9                 | 157.0                          | 78,700                                                          | 135,400*                   | 97,000                                                          | 141,900*                   | 290                   |
| 300                   | 23.7                 | 135.4                          | 71,100                                                          | 122,600*                   | 88,700                                                          | 128,800*                   | 300                   |
| 310                   | 18.5                 | 108.3                          | 63,800                                                          | 109,800*                   | 80,700                                                          | 115,600*                   | 310                   |

# Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56  
492,000 Lb. Crane Counterweight  
320,000 Lb. Carbody Counterweight  
0 Lb. thru 863,800 Lb. Hanging Counterweight  
at 59 Ft. Position  
360 Degree Rating

Meets  
ANSI B30.5  
Requirements

## 18000 With 21000 MAX-ER



### 340 Ft. Boom

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 0 Lb. Hanging<br>Counterweight | 247,800 Lb. Hanging<br>Counterweight                            |                            | 467,800 Lb. Hanging<br>Counterweight                            |                            | 599,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>Pounds     | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 55                    | 82.4                 | 347.7                          | 491,900*                       |                                                                 |                            |                                                                 |                            |                                                                 |                            | 55                    |
| 60                    | 81.5                 | 346.9                          | 464,600*                       | 384,200                                                         | 491,900*                   |                                                                 |                            |                                                                 |                            | 60                    |
| 65                    | 80.7                 | 346.1                          | 420,500*                       | 339,000                                                         | 491,900*                   |                                                                 |                            |                                                                 |                            | 65                    |
| 70                    | 79.8                 | 345.1                          | 382,900*                       | 301,100                                                         | 491,900*                   |                                                                 |                            |                                                                 |                            | 70                    |
| 75                    | 78.9                 | 344.1                          | 350,400*                       | 269,000                                                         | 491,900*                   |                                                                 |                            |                                                                 |                            | 75                    |
| 80                    | 78.1                 | 343.0                          | 322,100*                       | 241,300                                                         | 465,600*                   |                                                                 |                            |                                                                 |                            | 80                    |
| 85                    | 77.2                 | 341.9                          | 297,100*                       | 217,200                                                         | 433,600*                   | 391,300                                                         | 491,900*                   |                                                                 |                            | 85                    |
| 90                    | 76.3                 | 340.6                          | 275,100*                       | 196,100                                                         | 405,100*                   | 359,300                                                         | 491,900*                   |                                                                 |                            | 90                    |
| 95                    | 75.5                 | 339.3                          | 255,300*                       | 177,500                                                         | 378,300*                   | 331,100                                                         | 477,000*                   |                                                                 |                            | 95                    |
| 100                   | 74.6                 | 337.9                          | 237,600*                       | 160,800                                                         | 354,300*                   | 305,900                                                         | 449,100*                   | 393,100                                                         | 491,900*                   | 100                   |
| 105                   | 73.7                 | 336.4                          | 221,200                        | 145,900                                                         | 332,700*                   | 283,300                                                         | 423,900*                   | 365,900                                                         | 476,900*                   | 105                   |
| 110                   | 72.8                 | 334.8                          | 204,800                        | 132,500                                                         | 313,000*                   | 263,000                                                         | 400,900*                   | 341,500                                                         | 451,500*                   | 110                   |
| 115                   | 72.0                 | 333.1                          | 190,100                        | 120,300                                                         | 295,100*                   | 244,600                                                         | 379,800*                   | 319,300                                                         | 428,300*                   | 115                   |
| 120                   | 71.1                 | 331.4                          | 176,700                        | 109,200                                                         | 278,700*                   | 227,800                                                         | 360,500*                   | 299,100                                                         | 407,000*                   | 120                   |
| 125                   | 70.2                 | 329.5                          | 164,500                        | 99,100                                                          | 263,600*                   | 212,500                                                         | 342,700*                   | 280,700                                                         | 387,400*                   | 125                   |
| 130                   | 69.3                 | 327.6                          | 153,400                        | 89,800                                                          | 249,700*                   | 198,400                                                         | 326,200*                   | 263,700                                                         | 369,200*                   | 130                   |
| 135                   | 68.3                 | 325.6                          | 143,200                        | 81,200                                                          | 236,800*                   | 185,500                                                         | 310,900*                   | 248,200                                                         | 352,300*                   | 135                   |
| 140                   | 67.4                 | 323.5                          | 133,800                        | 73,300                                                          | 224,800*                   | 173,500                                                         | 296,700*                   | 233,700                                                         | 336,700*                   | 140                   |
| 145                   | 66.5                 | 321.2                          | 125,200                        | 65,900                                                          | 213,700*                   | 162,400                                                         | 283,500*                   | 220,400                                                         | 322,100*                   | 145                   |
| 150                   | 65.6                 | 318.9                          | 117,100                        | 59,100                                                          | 203,400*                   | 152,100                                                         | 271,100*                   | 208,000                                                         | 308,400*                   | 150                   |
| 155                   | 64.6                 | 316.5                          | 109,600                        | 52,700                                                          | 193,700*                   | 142,500                                                         | 259,500*                   | 196,400                                                         | 295,600*                   | 155                   |
| 160                   | 63.7                 | 314.0                          | 102,700                        | 46,700                                                          | 184,600*                   | 133,500                                                         | 248,600*                   | 185,600                                                         | 283,700*                   | 160                   |
| 165                   | 62.8                 | 311.4                          | 96,200                         | 41,100                                                          | 176,100*                   | 125,000                                                         | 238,300*                   | 175,500                                                         | 272,400*                   | 165                   |
| 170                   | 61.8                 | 308.7                          | 89,700*                        | 35,900                                                          | 168,000*                   | 117,100                                                         | 228,500*                   | 166,000                                                         | 261,700*                   | 170                   |
| 175                   | 60.8                 | 305.9                          | 83,300*                        | 31,000                                                          | 160,500*                   | 109,700                                                         | 219,100*                   | 157,000                                                         | 251,700*                   | 175                   |
| 180                   | 59.9                 | 302.9                          | 77,200*                        | 26,300                                                          | 153,300*                   | 102,700                                                         | 210,300*                   | 148,600                                                         | 242,200*                   | 180                   |
| 185                   | 58.9                 | 299.9                          | 71,500*                        | 21,900                                                          | 146,500*                   | 96,100                                                          | 202,000*                   | 140,700                                                         | 233,200*                   | 185                   |
| 190                   | 57.9                 | 296.7                          | 66,000*                        | 17,800                                                          | 140,100*                   | 89,800                                                          | 194,100*                   | 133,200                                                         | 224,700*                   | 190                   |
| 195                   | 56.9                 | 293.4                          | 60,900*                        | 13,800                                                          | 134,000*                   | 83,900                                                          | 186,600*                   | 126,100                                                         | 216,600*                   | 195                   |
| 200                   | 55.8                 | 289.9                          | 56,000*                        | 10,100                                                          | 128,300*                   | 78,300                                                          | 179,500*                   | 119,300                                                         | 208,900*                   | 200                   |
| 205                   | 54.8                 | 286.4                          | 51,300*                        | 6,500                                                           | 122,800*                   | 73,000                                                          | 172,800*                   | 112,900                                                         | 201,500*                   | 205                   |
| 210                   | 53.7                 | 282.6                          | 46,900*                        | 3,100                                                           | 117,500*                   | 67,900                                                          | 166,300*                   | 106,800                                                         | 194,500*                   | 210                   |
| 215                   | 52.7                 | 278.8                          | 42,600*                        |                                                                 | 112,500*                   | 63,000                                                          | 160,200*                   | 101,000                                                         | 187,900*                   | 215                   |
| 220                   | 51.6                 | 274.8                          | 38,600*                        |                                                                 | 107,300*                   | 58,400                                                          | 154,300*                   | 95,500                                                          | 181,500*                   | 220                   |
| 230                   | 49.4                 | 266.3                          | 31,000*                        |                                                                 | 96,600*                    | 49,800                                                          | 143,400*                   | 85,100                                                          | 169,500*                   | 230                   |
| 240                   | 47.1                 | 257.1                          | 24,100*                        |                                                                 | 86,800*                    | 41,900                                                          | 133,300*                   | 75,600                                                          | 158,600*                   | 240                   |
| 250                   | 44.7                 | 247.2                          | 17,700*                        |                                                                 | 77,800*                    | 34,600                                                          | 124,000*                   | 66,900                                                          | 148,400*                   | 250                   |
| 260                   | 42.2                 | 236.3                          |                                |                                                                 | 69,400*                    | 27,900                                                          | 115,400*                   | 58,800                                                          | 139,000*                   | 260                   |
| 270                   | 39.6                 | 224.4                          |                                |                                                                 | 61,600*                    | 21,600                                                          | 107,500*                   | 51,300                                                          | 130,200*                   | 270                   |
| 280                   | 36.9                 | 211.4                          |                                |                                                                 | 54,400*                    | 15,800                                                          | 100,100*                   | 44,400                                                          | 122,000*                   | 280                   |
| 290                   | 33.9                 | 196.8                          |                                |                                                                 | 47,600*                    | 10,300                                                          | 93,200*                    | 37,800                                                          | 114,300*                   | 290                   |
| 300                   | 30.6                 | 180.5                          |                                |                                                                 | 41,300*                    | 5,100                                                           | 85,300*                    | 31,700                                                          | 106,700*                   | 300                   |
| 310                   | 27.1                 | 161.7                          |                                |                                                                 | 35,200*                    | 300                                                             | 77,700*                    | 25,900                                                          | 95,800*                    | 310                   |
| 320                   | 22.9                 | 139.4                          |                                |                                                                 | 29,500*                    |                                                                 | 70,600*                    | 20,300                                                          | 85,200*                    | 320                   |
| 330                   | 17.9                 | 111.4                          |                                |                                                                 | 23,900*                    |                                                                 | 62,500*                    | 14,900                                                          | 74,500*                    | 330                   |

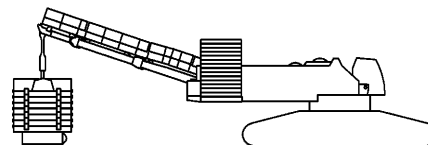


# Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56  
 492,000 Lb. Crane Counterweight  
 320,000 Lb. Carbody Counterweight  
 0 Lb. thru 863,800 Lb. Hanging Counterweight  
 at 59 Ft. Position  
 360 Degree Rating

Meets  
 ANSI B30.5  
 Requirements

**18000 With  
 21000 MAX-ER**



## 340 Ft. Boom

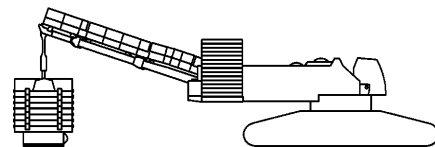
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 775,800 Lb. Hanging<br>Counterweight                            |                            | 863,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 55                    |                      |                                |                                                                 |                            |                                                                 |                            | 55                    |
| 60                    |                      |                                |                                                                 |                            |                                                                 |                            | 60                    |
| 65                    |                      |                                |                                                                 |                            |                                                                 |                            | 65                    |
| 70                    |                      |                                |                                                                 |                            |                                                                 |                            | 70                    |
| 75                    |                      |                                |                                                                 |                            |                                                                 |                            | 75                    |
| 80                    |                      |                                |                                                                 |                            |                                                                 |                            | 80                    |
| 85                    |                      |                                |                                                                 |                            |                                                                 |                            | 85                    |
| 90                    |                      |                                |                                                                 |                            |                                                                 |                            | 90                    |
| 95                    |                      |                                |                                                                 |                            |                                                                 |                            | 95                    |
| 100                   |                      |                                |                                                                 |                            |                                                                 |                            | 100                   |
| 105                   |                      |                                |                                                                 |                            |                                                                 |                            | 105                   |
| 110                   |                      |                                |                                                                 |                            |                                                                 |                            | 110                   |
| 115                   |                      |                                |                                                                 |                            |                                                                 |                            | 115                   |
| 120                   |                      |                                |                                                                 |                            |                                                                 |                            | 120                   |
| 125                   |                      |                                |                                                                 |                            |                                                                 |                            | 125                   |
| 130                   | 69.3                 | 327.6                          | 350,800                                                         | 426,500*                   |                                                                 |                            | 130                   |
| 135                   | 68.3                 | 325.6                          | 331,700                                                         | 407,600*                   |                                                                 |                            | 135                   |
| 140                   | 67.4                 | 323.5                          | 314,100                                                         | 390,000*                   |                                                                 |                            | 140                   |
| 145                   | 66.5                 | 321.2                          | 297,700                                                         | 373,500*                   |                                                                 |                            | 145                   |
| 150                   | 65.6                 | 318.9                          | 282,500                                                         | 358,200*                   | 319,800                                                         | 377,800*                   | 150                   |
| 155                   | 64.6                 | 316.5                          | 268,300                                                         | 343,800*                   | 304,300                                                         | 362,800*                   | 155                   |
| 160                   | 63.7                 | 314.0                          | 255,100                                                         | 330,300*                   | 289,900                                                         | 348,700*                   | 160                   |
| 165                   | 62.8                 | 311.4                          | 242,700                                                         | 317,700*                   | 276,400                                                         | 335,500*                   | 165                   |
| 170                   | 61.8                 | 308.7                          | 231,100                                                         | 305,700*                   | 263,700                                                         | 323,000*                   | 170                   |
| 175                   | 60.8                 | 305.9                          | 220,200                                                         | 294,400*                   | 251,700                                                         | 311,300*                   | 175                   |
| 180                   | 59.9                 | 302.9                          | 209,900                                                         | 283,800*                   | 240,500                                                         | 300,100*                   | 180                   |
| 185                   | 58.9                 | 299.9                          | 200,100                                                         | 273,700*                   | 229,900                                                         | 289,600*                   | 185                   |
| 190                   | 57.9                 | 296.7                          | 191,000                                                         | 264,100*                   | 219,900                                                         | 279,600*                   | 190                   |
| 195                   | 56.9                 | 293.4                          | 182,300                                                         | 255,000*                   | 210,400                                                         | 270,100*                   | 195                   |
| 200                   | 55.8                 | 289.9                          | 174,000                                                         | 246,300*                   | 201,400                                                         | 261,100*                   | 200                   |
| 205                   | 54.8                 | 286.4                          | 166,200                                                         | 238,100*                   | 192,800                                                         | 252,500*                   | 205                   |
| 210                   | 53.7                 | 282.6                          | 158,700                                                         | 230,200*                   | 184,700                                                         | 244,300*                   | 210                   |
| 215                   | 52.7                 | 278.8                          | 151,600                                                         | 222,700*                   | 176,900                                                         | 236,500*                   | 215                   |
| 220                   | 51.6                 | 274.8                          | 144,800                                                         | 215,600*                   | 169,500                                                         | 229,000*                   | 220                   |
| 230                   | 49.4                 | 266.3                          | 132,200                                                         | 202,200*                   | 155,700                                                         | 215,000*                   | 230                   |
| 240                   | 47.1                 | 257.1                          | 120,600                                                         | 189,800*                   | 143,100                                                         | 202,100*                   | 240                   |
| 250                   | 44.7                 | 247.2                          | 110,000                                                         | 178,500*                   | 131,500                                                         | 190,300*                   | 250                   |
| 260                   | 42.2                 | 236.3                          | 100,100                                                         | 167,900*                   | 120,800                                                         | 179,300*                   | 260                   |
| 270                   | 39.6                 | 224.4                          | 91,000                                                          | 158,200*                   | 110,800                                                         | 169,100*                   | 270                   |
| 280                   | 36.9                 | 211.4                          | 82,500                                                          | 149,100*                   | 101,600                                                         | 157,400*                   | 280                   |
| 290                   | 33.9                 | 196.8                          | 74,500                                                          | 137,500*                   | 92,900                                                          | 144,200*                   | 290                   |
| 300                   | 30.6                 | 180.5                          | 67,100                                                          | 125,300*                   | 84,800                                                          | 131,600*                   | 300                   |
| 310                   | 27.1                 | 161.7                          | 60,000                                                          | 113,600*                   | 77,100                                                          | 119,600*                   | 310                   |
| 320                   | 22.9                 | 139.4                          | 53,300                                                          | 102,100*                   | 69,800                                                          | 107,900*                   | 320                   |
| 330                   | 17.9                 | 111.4                          | 46,800                                                          | 90,600*                    | 62,700                                                          | 96,100*                    | 330                   |

# Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56  
492,000 Lb. Crane Counterweight  
320,000 Lb. Carbody Counterweight  
0 Lb. thru 863,800 Lb. Hanging Counterweight  
at 59 Ft. Position  
360 Degree Rating

Meets  
ANSI B30.5  
Requirements

## 18000 With 21000 MAX-ER



### 360 Ft. Boom

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 247,800 Lb. Hanging<br>Counterweight                            |                            | 467,800 Lb. Hanging<br>Counterweight                            |                            | 599,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 65                    | 81.2                 | 366.4                          | 338,200                                                         | 430,500*                   |                                                                 |                            |                                                                 |                            | 65                    |
| 70                    | 80.4                 | 365.5                          | 300,000                                                         | 430,500*                   |                                                                 |                            |                                                                 |                            | 70                    |
| 75                    | 79.6                 | 364.5                          | 267,500                                                         | 430,500*                   |                                                                 |                            |                                                                 |                            | 75                    |
| 80                    | 78.8                 | 363.5                          | 239,500                                                         | 430,500*                   |                                                                 |                            |                                                                 |                            | 80                    |
| 85                    | 77.9                 | 362.4                          | 215,300                                                         | 430,500*                   |                                                                 |                            |                                                                 |                            | 85                    |
| 90                    | 77.1                 | 361.2                          | 194,000                                                         | 402,000*                   | 357,900                                                         | 430,500*                   |                                                                 |                            | 90                    |
| 95                    | 76.3                 | 360.0                          | 175,200                                                         | 375,400*                   | 329,500                                                         | 430,500*                   |                                                                 |                            | 95                    |
| 100                   | 75.5                 | 358.6                          | 158,400                                                         | 351,400*                   | 304,100                                                         | 430,500*                   |                                                                 |                            | 100                   |
| 105                   | 74.7                 | 357.2                          | 143,400                                                         | 329,800*                   | 281,400                                                         | 420,800*                   | 364,300                                                         | 430,500*                   | 105                   |
| 110                   | 73.8                 | 355.7                          | 129,800                                                         | 310,100*                   | 260,900                                                         | 397,800*                   | 339,700                                                         | 430,500*                   | 110                   |
| 115                   | 73.0                 | 354.2                          | 117,600                                                         | 292,200*                   | 242,400                                                         | 376,800*                   | 317,400                                                         | 425,300*                   | 115                   |
| 120                   | 72.2                 | 352.5                          | 106,400                                                         | 275,700*                   | 225,500                                                         | 357,500*                   | 297,100                                                         | 403,900*                   | 120                   |
| 125                   | 71.3                 | 350.8                          | 96,200                                                          | 260,700*                   | 210,100                                                         | 339,600*                   | 278,500                                                         | 384,300*                   | 125                   |
| 130                   | 70.5                 | 349.0                          | 86,800                                                          | 246,700*                   | 195,900                                                         | 323,200*                   | 261,500                                                         | 366,200*                   | 130                   |
| 135                   | 69.6                 | 347.1                          | 78,200                                                          | 233,900*                   | 182,900                                                         | 307,900*                   | 245,800                                                         | 349,300*                   | 135                   |
| 140                   | 68.8                 | 345.1                          | 70,200                                                          | 221,900*                   | 170,800                                                         | 293,700*                   | 231,300                                                         | 333,700*                   | 140                   |
| 145                   | 67.9                 | 343.1                          | 62,800                                                          | 210,800*                   | 159,700                                                         | 280,500*                   | 217,900                                                         | 319,100*                   | 145                   |
| 150                   | 67.0                 | 340.9                          | 56,000                                                          | 200,500*                   | 149,300                                                         | 268,100*                   | 205,400                                                         | 305,400*                   | 150                   |
| 155                   | 66.2                 | 338.7                          | 49,500                                                          | 190,800*                   | 139,600                                                         | 256,500*                   | 193,800                                                         | 292,600*                   | 155                   |
| 160                   | 65.3                 | 336.3                          | 43,600                                                          | 181,700*                   | 130,600                                                         | 245,600*                   | 182,900                                                         | 280,600*                   | 160                   |
| 165                   | 64.4                 | 333.9                          | 37,900                                                          | 173,100*                   | 122,100                                                         | 235,400*                   | 172,800                                                         | 269,400*                   | 165                   |
| 170                   | 63.5                 | 331.4                          | 32,700                                                          | 165,100*                   | 114,200                                                         | 225,500*                   | 163,200                                                         | 258,700*                   | 170                   |
| 175                   | 62.6                 | 328.7                          | 27,700                                                          | 157,500*                   | 106,700                                                         | 216,200*                   | 154,200                                                         | 248,700*                   | 175                   |
| 180                   | 61.7                 | 326.0                          | 23,000                                                          | 150,400*                   | 99,700                                                          | 207,400*                   | 145,800                                                         | 239,200*                   | 180                   |
| 185                   | 60.8                 | 323.2                          | 18,600                                                          | 143,600*                   | 93,100                                                          | 199,100*                   | 137,800                                                         | 230,200*                   | 185                   |
| 190                   | 59.9                 | 320.2                          | 14,500                                                          | 137,200*                   | 86,800                                                          | 191,200*                   | 130,300                                                         | 221,700*                   | 190                   |
| 195                   | 58.9                 | 317.2                          | 10,500                                                          | 131,200*                   | 80,900                                                          | 183,800*                   | 123,100                                                         | 213,600*                   | 195                   |
| 200                   | 58.0                 | 314.0                          | 6,800                                                           | 125,400*                   | 75,200                                                          | 176,700*                   | 116,400                                                         | 205,900*                   | 200                   |
| 205                   | 57.0                 | 310.7                          | 3,200                                                           | 119,900*                   | 69,900                                                          | 169,900*                   | 109,900                                                         | 198,600*                   | 205                   |
| 210                   | 56.1                 | 307.3                          |                                                                 | 114,700*                   | 64,800                                                          | 163,500*                   | 103,800                                                         | 191,600*                   | 210                   |
| 215                   | 55.1                 | 303.8                          |                                                                 | 109,700*                   | 59,900                                                          | 157,300*                   | 98,000                                                          | 184,900*                   | 215                   |
| 220                   | 54.1                 | 300.1                          |                                                                 | 104,100*                   | 55,300                                                          | 151,500*                   | 92,400                                                          | 178,500*                   | 220                   |
| 230                   | 52.1                 | 292.4                          |                                                                 | 93,400*                    | 46,600                                                          | 140,500*                   | 82,100                                                          | 166,600*                   | 230                   |
| 240                   | 50.0                 | 284.1                          |                                                                 | 83,600*                    | 38,700                                                          | 130,400*                   | 72,600                                                          | 155,600*                   | 240                   |
| 250                   | 47.9                 | 275.2                          |                                                                 | 74,500*                    | 31,400                                                          | 121,200*                   | 63,900                                                          | 145,500*                   | 250                   |
| 260                   | 45.7                 | 265.5                          |                                                                 | 66,200*                    | 24,700                                                          | 112,600*                   | 55,800                                                          | 136,200*                   | 260                   |
| 270                   | 43.4                 | 255.1                          |                                                                 | 58,400*                    | 18,500                                                          | 104,700*                   | 48,300                                                          | 127,400*                   | 270                   |
| 280                   | 41.0                 | 243.7                          |                                                                 | 51,200*                    | 12,700                                                          | 97,300*                    | 41,400                                                          | 119,200*                   | 280                   |
| 290                   | 38.4                 | 231.4                          |                                                                 | 44,500*                    | 7,200                                                           | 90,300*                    | 34,900                                                          | 111,600*                   | 290                   |
| 300                   | 35.8                 | 217.8                          |                                                                 | 38,200*                    | 2,100                                                           | 82,300*                    | 28,800                                                          | 104,400*                   | 300                   |
| 310                   | 32.9                 | 202.7                          |                                                                 | 32,200*                    |                                                                 | 74,900*                    | 23,000                                                          | 97,700*                    | 310                   |
| 320                   | 29.7                 | 185.7                          |                                                                 | 26,600*                    |                                                                 | 67,800*                    | 17,600                                                          | 88,300*                    | 320                   |
| 330                   | 26.3                 | 166.3                          |                                                                 | 21,300*                    |                                                                 | 61,200*                    | 12,500                                                          | 78,600*                    | 330                   |
| 340                   | 22.3                 | 143.3                          |                                                                 | 16,200*                    |                                                                 | 54,800*                    | 7,500                                                           | 69,000*                    | 340                   |
| 350                   | 17.4                 | 114.3                          |                                                                 |                            |                                                                 | 48,000*                    | 2,700                                                           | 59,400*                    | 350                   |

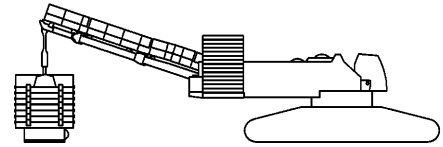


# Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56  
 492,000 Lb. Crane Counterweight  
 320,000 Lb. Carbody Counterweight  
 0 Lb. thru 863,800 Lb. Hanging Counterweight  
 at 59 Ft. Position  
 360 Degree Rating

Meets  
 ANSI B30.5  
 Requirements

**18000 With  
 21000 MAX-ER**



## 360 Ft. Boom

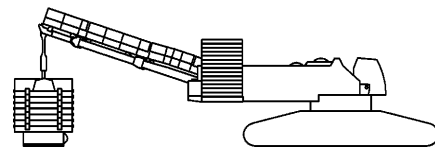
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 775,800 Lb. Hanging<br>Counterweight                            |                            | 863,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 65                    |                      |                                |                                                                 |                            |                                                                 |                            | 65                    |
| 70                    |                      |                                |                                                                 |                            |                                                                 |                            | 70                    |
| 75                    |                      |                                |                                                                 |                            |                                                                 |                            | 75                    |
| 80                    |                      |                                |                                                                 |                            |                                                                 |                            | 80                    |
| 85                    |                      |                                |                                                                 |                            |                                                                 |                            | 85                    |
| 90                    |                      |                                |                                                                 |                            |                                                                 |                            | 90                    |
| 95                    |                      |                                |                                                                 |                            |                                                                 |                            | 95                    |
| 100                   |                      |                                |                                                                 |                            |                                                                 |                            | 100                   |
| 105                   |                      |                                |                                                                 |                            |                                                                 |                            | 105                   |
| 110                   |                      |                                |                                                                 |                            |                                                                 |                            | 110                   |
| 115                   |                      |                                |                                                                 |                            |                                                                 |                            | 115                   |
| 120                   |                      |                                |                                                                 |                            |                                                                 |                            | 120                   |
| 125                   |                      |                                |                                                                 |                            |                                                                 |                            | 125                   |
| 130                   | 70.5                 | 349.0                          | 348,900                                                         | 423,500*                   |                                                                 |                            | 130                   |
| 135                   | 69.6                 | 347.1                          | 329,700                                                         | 404,500*                   |                                                                 |                            | 135                   |
| 140                   | 68.8                 | 345.1                          | 311,900                                                         | 386,900*                   |                                                                 |                            | 140                   |
| 145                   | 67.9                 | 343.1                          | 295,500                                                         | 370,500*                   |                                                                 |                            | 145                   |
| 150                   | 67.0                 | 340.9                          | 280,200                                                         | 355,200*                   | 317,600                                                         | 374,800*                   | 150                   |
| 155                   | 66.2                 | 338.7                          | 266,000                                                         | 340,800*                   | 302,100                                                         | 359,800*                   | 155                   |
| 160                   | 65.3                 | 336.3                          | 252,700                                                         | 327,300*                   | 287,600                                                         | 345,700*                   | 160                   |
| 165                   | 64.4                 | 333.9                          | 240,200                                                         | 314,700*                   | 274,000                                                         | 332,500*                   | 165                   |
| 170                   | 63.5                 | 331.4                          | 228,600                                                         | 302,700*                   | 261,200                                                         | 320,000*                   | 170                   |
| 175                   | 62.6                 | 328.7                          | 217,600                                                         | 291,400*                   | 249,300                                                         | 308,300*                   | 175                   |
| 180                   | 61.7                 | 326.0                          | 207,200                                                         | 280,800*                   | 238,000                                                         | 297,100*                   | 180                   |
| 185                   | 60.8                 | 323.2                          | 197,500                                                         | 270,700*                   | 227,300                                                         | 286,600*                   | 185                   |
| 190                   | 59.9                 | 320.2                          | 188,200                                                         | 261,100*                   | 217,300                                                         | 276,600*                   | 190                   |
| 195                   | 58.9                 | 317.2                          | 179,500                                                         | 252,000*                   | 207,700                                                         | 267,100*                   | 195                   |
| 200                   | 58.0                 | 314.0                          | 171,200                                                         | 243,400*                   | 198,700                                                         | 258,100*                   | 200                   |
| 205                   | 57.0                 | 310.7                          | 163,400                                                         | 235,100*                   | 190,100                                                         | 249,500*                   | 205                   |
| 210                   | 56.1                 | 307.3                          | 155,900                                                         | 227,300*                   | 182,000                                                         | 241,300*                   | 210                   |
| 215                   | 55.1                 | 303.8                          | 148,800                                                         | 219,800*                   | 174,200                                                         | 233,500*                   | 215                   |
| 220                   | 54.1                 | 300.1                          | 142,000                                                         | 212,600*                   | 166,800                                                         | 226,100*                   | 220                   |
| 230                   | 52.1                 | 292.4                          | 129,300                                                         | 199,200*                   | 153,000                                                         | 212,100*                   | 230                   |
| 240                   | 50.0                 | 284.1                          | 117,700                                                         | 186,900*                   | 140,300                                                         | 199,200*                   | 240                   |
| 250                   | 47.9                 | 275.2                          | 107,100                                                         | 175,600*                   | 128,700                                                         | 187,400*                   | 250                   |
| 260                   | 45.7                 | 265.5                          | 97,200                                                          | 165,100*                   | 118,000                                                         | 176,400*                   | 260                   |
| 270                   | 43.4                 | 255.1                          | 88,100                                                          | 155,300*                   | 108,000                                                         | 166,300*                   | 270                   |
| 280                   | 41.0                 | 243.7                          | 79,600                                                          | 146,200*                   | 98,800                                                          | 156,800*                   | 280                   |
| 290                   | 38.4                 | 231.4                          | 71,700                                                          | 137,800*                   | 90,200                                                          | 146,900*                   | 290                   |
| 300                   | 35.8                 | 217.8                          | 64,300                                                          | 128,000*                   | 82,100                                                          | 134,500*                   | 300                   |
| 310                   | 32.9                 | 202.7                          | 57,300                                                          | 116,600*                   | 74,500                                                          | 122,800*                   | 310                   |
| 320                   | 29.7                 | 185.7                          | 50,800                                                          | 105,700*                   | 67,300                                                          | 111,700*                   | 320                   |
| 330                   | 26.3                 | 166.3                          | 44,500                                                          | 95,300*                    | 60,500                                                          | 101,000*                   | 330                   |
| 340                   | 22.3                 | 143.3                          | 38,500                                                          | 85,000*                    | 54,000                                                          | 90,400*                    | 340                   |
| 350                   | 17.4                 | 114.3                          | 32,700                                                          | 74,600*                    | 47,700                                                          | 79,800*                    | 350                   |

# Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56  
492,000 Lb. Crane Counterweight  
320,000 Lb. Carbody Counterweight  
0 Lb. thru 863,800 Lb. Hanging Counterweight  
at 59 Ft. Position  
360 Degree Rating

Meets  
ANSI B30.5  
Requirements

## 18000 With 21000 MAX-ER



### 380 Ft. Boom

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 247,800 Lb. Hanging<br>Counterweight                            |                            | 467,800 Lb. Hanging<br>Counterweight                            |                            | 599,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 70                    | 80.9                 | 385.8                          | 300,200                                                         | 374,200*                   |                                                                 |                            |                                                                 |                            | 70                    |
| 75                    | 80.1                 | 384.9                          | 267,300                                                         | 374,200*                   |                                                                 |                            |                                                                 |                            | 75                    |
| 80                    | 79.4                 | 383.9                          | 239,100                                                         | 374,200*                   |                                                                 |                            |                                                                 |                            | 80                    |
| 85                    | 78.6                 | 382.9                          | 214,600                                                         | 374,200*                   |                                                                 |                            |                                                                 |                            | 85                    |
| 90                    | 77.8                 | 381.8                          | 193,200                                                         | 374,200*                   |                                                                 |                            |                                                                 |                            | 90                    |
| 95                    | 77.0                 | 380.6                          | 174,200                                                         | 373,500*                   |                                                                 |                            |                                                                 |                            | 95                    |
| 100                   | 76.3                 | 379.3                          | 157,300                                                         | 349,500*                   | 303,600                                                         | 374,200*                   |                                                                 |                            | 100                   |
| 105                   | 75.5                 | 378.0                          | 142,100                                                         | 327,900*                   | 280,700                                                         | 374,200*                   |                                                                 |                            | 105                   |
| 110                   | 74.7                 | 376.6                          | 128,500                                                         | 308,200*                   | 260,100                                                         | 374,200*                   |                                                                 |                            | 110                   |
| 115                   | 73.9                 | 375.1                          | 116,100                                                         | 290,200*                   | 241,400                                                         | 374,200*                   | 316,800                                                         | 374,200*                   | 115                   |
| 120                   | 73.1                 | 373.6                          | 104,900                                                         | 273,800*                   | 224,400                                                         | 355,400*                   | 296,300                                                         | 373,700*                   | 120                   |
| 125                   | 72.3                 | 372.0                          | 94,600                                                          | 258,700*                   | 208,900                                                         | 337,600*                   | 277,600                                                         | 372,400*                   | 125                   |
| 130                   | 71.5                 | 370.2                          | 85,200                                                          | 244,800*                   | 194,700                                                         | 321,100*                   | 260,500                                                         | 364,100*                   | 130                   |
| 135                   | 70.7                 | 368.5                          | 76,500                                                          | 231,900*                   | 181,600                                                         | 305,800*                   | 244,700                                                         | 347,200*                   | 135                   |
| 140                   | 69.9                 | 366.6                          | 68,500                                                          | 220,000*                   | 169,400                                                         | 291,600*                   | 230,100                                                         | 331,600*                   | 140                   |
| 145                   | 69.1                 | 364.7                          | 61,000                                                          | 208,900*                   | 158,200                                                         | 278,400*                   | 216,600                                                         | 317,000*                   | 145                   |
| 150                   | 68.3                 | 362.6                          | 54,100                                                          | 198,500*                   | 147,800                                                         | 266,000*                   | 204,100                                                         | 303,300*                   | 150                   |
| 155                   | 67.5                 | 360.5                          | 47,700                                                          | 188,800*                   | 138,100                                                         | 254,400*                   | 192,400                                                         | 290,600*                   | 155                   |
| 160                   | 66.7                 | 358.4                          | 41,600                                                          | 179,700*                   | 129,000                                                         | 243,500*                   | 181,500                                                         | 278,600*                   | 160                   |
| 165                   | 65.8                 | 356.1                          | 36,000                                                          | 171,200*                   | 120,500                                                         | 233,300*                   | 171,300                                                         | 267,300*                   | 165                   |
| 170                   | 65.0                 | 353.7                          | 30,700                                                          | 163,200*                   | 112,500                                                         | 223,600*                   | 161,700                                                         | 256,700*                   | 170                   |
| 175                   | 64.2                 | 351.2                          | 25,700                                                          | 155,600*                   | 105,000                                                         | 214,300*                   | 152,700                                                         | 246,600*                   | 175                   |
| 180                   | 63.3                 | 348.7                          | 21,000                                                          | 148,400*                   | 97,900                                                          | 205,500*                   | 144,200                                                         | 237,100*                   | 180                   |
| 185                   | 62.5                 | 346.1                          | 16,600                                                          | 141,700*                   | 91,300                                                          | 197,200*                   | 136,200                                                         | 228,200*                   | 185                   |
| 190                   | 61.6                 | 343.3                          | 12,400                                                          | 135,300*                   | 85,000                                                          | 189,300*                   | 128,600                                                         | 219,600*                   | 190                   |
| 195                   | 60.7                 | 340.5                          | 8,400                                                           | 129,200*                   | 79,000                                                          | 181,800*                   | 121,400                                                         | 211,600*                   | 195                   |
| 200                   | 59.9                 | 337.5                          | 4,700                                                           | 123,400*                   | 73,400                                                          | 174,700*                   | 114,600                                                         | 203,900*                   | 200                   |
| 205                   | 59.0                 | 334.5                          | 1,100                                                           | 117,900*                   | 68,000                                                          | 167,900*                   | 108,200                                                         | 196,500*                   | 205                   |
| 210                   | 58.1                 | 331.4                          |                                                                 | 112,700*                   | 62,900                                                          | 161,500*                   | 102,000                                                         | 189,600*                   | 210                   |
| 215                   | 57.2                 | 328.1                          |                                                                 | 107,700*                   | 58,000                                                          | 155,400*                   | 96,200                                                          | 182,900*                   | 215                   |
| 220                   | 56.3                 | 324.7                          |                                                                 | 102,000*                   | 53,400                                                          | 149,500*                   | 90,600                                                          | 176,500*                   | 220                   |
| 230                   | 54.4                 | 317.6                          |                                                                 | 91,300*                    | 44,700                                                          | 138,600*                   | 80,200                                                          | 164,600*                   | 230                   |
| 240                   | 52.5                 | 310.0                          |                                                                 | 81,500*                    | 36,800                                                          | 128,500*                   | 70,700                                                          | 153,600*                   | 240                   |
| 250                   | 50.6                 | 301.9                          |                                                                 | 72,400*                    | 29,500                                                          | 119,300*                   | 62,000                                                          | 143,500*                   | 250                   |
| 260                   | 48.6                 | 293.1                          |                                                                 | 64,100*                    | 22,700                                                          | 110,700*                   | 53,900                                                          | 134,200*                   | 260                   |
| 270                   | 46.5                 | 283.8                          |                                                                 | 56,400*                    | 16,500                                                          | 102,800*                   | 46,400                                                          | 125,500*                   | 270                   |
| 280                   | 44.4                 | 273.7                          |                                                                 | 49,200*                    | 10,700                                                          | 95,400*                    | 39,500                                                          | 117,300*                   | 280                   |
| 290                   | 42.2                 | 262.8                          |                                                                 | 42,500*                    | 5,300                                                           | 88,300*                    | 33,000                                                          | 109,700*                   | 290                   |
| 300                   | 39.8                 | 250.9                          |                                                                 | 36,200*                    | 200                                                             | 80,400*                    | 26,900                                                          | 102,500*                   | 300                   |
| 310                   | 37.4                 | 238.1                          |                                                                 | 30,300*                    |                                                                 | 73,000*                    | 21,200                                                          | 95,800*                    | 310                   |
| 320                   | 34.8                 | 224.0                          |                                                                 | 24,700*                    |                                                                 | 66,100*                    | 15,900                                                          | 89,500*                    | 320                   |
| 330                   | 32.0                 | 208.3                          |                                                                 | 19,400*                    |                                                                 | 59,500*                    | 10,800                                                          | 81,800*                    | 330                   |
| 340                   | 28.9                 | 190.8                          |                                                                 |                            |                                                                 | 53,200*                    | 6,000                                                           | 72,700*                    | 340                   |
| 350                   | 25.5                 | 170.7                          |                                                                 |                            |                                                                 | 47,300*                    | 1,300                                                           | 64,000*                    | 350                   |
| 360                   | 21.6                 | 147.0                          |                                                                 |                            |                                                                 | 41,500*                    |                                                                 | 55,400*                    | 360                   |
| 370                   | 16.9                 | 117.2                          |                                                                 |                            |                                                                 | 35,800*                    |                                                                 | 46,600*                    | 370                   |

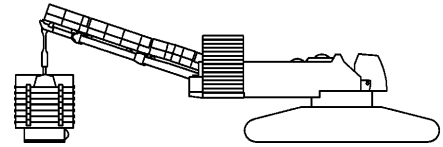


# Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56  
 492,000 Lb. Crane Counterweight  
 320,000 Lb. Carbody Counterweight  
 0 Lb. thru 863,800 Lb. Hanging Counterweight  
 at 59 Ft. Position  
 360 Degree Rating

Meets  
 ANSI B30.5  
 Requirements

**18000 With  
 21000 MAX-ER**



## 380 Ft. Boom

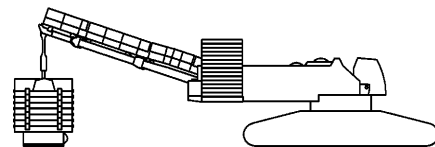
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 775,800 Lb. Hanging<br>Counterweight                            |                            | 863,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 70                    |                      |                                |                                                                 |                            |                                                                 |                            | 70                    |
| 75                    |                      |                                |                                                                 |                            |                                                                 |                            | 75                    |
| 80                    |                      |                                |                                                                 |                            |                                                                 |                            | 80                    |
| 85                    |                      |                                |                                                                 |                            |                                                                 |                            | 85                    |
| 90                    |                      |                                |                                                                 |                            |                                                                 |                            | 90                    |
| 95                    |                      |                                |                                                                 |                            |                                                                 |                            | 95                    |
| 100                   |                      |                                |                                                                 |                            |                                                                 |                            | 100                   |
| 105                   |                      |                                |                                                                 |                            |                                                                 |                            | 105                   |
| 110                   |                      |                                |                                                                 |                            |                                                                 |                            | 110                   |
| 115                   |                      |                                |                                                                 |                            |                                                                 |                            | 115                   |
| 120                   |                      |                                |                                                                 |                            |                                                                 |                            | 120                   |
| 125                   |                      |                                |                                                                 |                            |                                                                 |                            | 125                   |
| 130                   |                      |                                |                                                                 |                            |                                                                 |                            | 130                   |
| 135                   |                      |                                |                                                                 |                            |                                                                 |                            | 135                   |
| 140                   | 69.9                 | 366.6                          | 311,100                                                         | 368,200*                   |                                                                 |                            | 140                   |
| 145                   | 69.1                 | 364.7                          | 294,500                                                         | 366,700*                   |                                                                 |                            | 145                   |
| 150                   | 68.3                 | 362.6                          | 279,200                                                         | 353,100*                   |                                                                 |                            | 150                   |
| 155                   | 67.5                 | 360.5                          | 264,900                                                         | 338,700*                   | 301,100                                                         | 357,700*                   | 155                   |
| 160                   | 66.7                 | 358.4                          | 251,500                                                         | 325,300*                   | 286,500                                                         | 343,700*                   | 160                   |
| 165                   | 65.8                 | 356.1                          | 239,000                                                         | 312,600*                   | 272,900                                                         | 330,400*                   | 165                   |
| 170                   | 65.0                 | 353.7                          | 227,200                                                         | 300,600*                   | 260,000                                                         | 318,000*                   | 170                   |
| 175                   | 64.2                 | 351.2                          | 216,200                                                         | 289,400*                   | 248,000                                                         | 306,200*                   | 175                   |
| 180                   | 63.3                 | 348.7                          | 205,800                                                         | 278,700*                   | 236,700                                                         | 295,100*                   | 180                   |
| 185                   | 62.5                 | 346.1                          | 196,000                                                         | 268,600*                   | 226,000                                                         | 284,600*                   | 185                   |
| 190                   | 61.6                 | 343.3                          | 186,800                                                         | 259,100*                   | 215,900                                                         | 274,600*                   | 190                   |
| 195                   | 60.7                 | 340.5                          | 178,000                                                         | 250,000*                   | 206,300                                                         | 265,100*                   | 195                   |
| 200                   | 59.9                 | 337.5                          | 169,700                                                         | 241,300*                   | 197,200                                                         | 256,100*                   | 200                   |
| 205                   | 59.0                 | 334.5                          | 161,800                                                         | 233,100*                   | 188,600                                                         | 247,500*                   | 205                   |
| 210                   | 58.1                 | 331.4                          | 154,300                                                         | 225,200*                   | 180,400                                                         | 239,300*                   | 210                   |
| 215                   | 57.2                 | 328.1                          | 147,100                                                         | 217,800*                   | 172,600                                                         | 231,500*                   | 215                   |
| 220                   | 56.3                 | 324.7                          | 140,300                                                         | 210,600*                   | 165,200                                                         | 224,000*                   | 220                   |
| 230                   | 54.4                 | 317.6                          | 127,600                                                         | 197,200*                   | 151,300                                                         | 210,100*                   | 230                   |
| 240                   | 52.5                 | 310.0                          | 116,000                                                         | 184,900*                   | 138,700                                                         | 197,200*                   | 240                   |
| 250                   | 50.6                 | 301.9                          | 105,300                                                         | 173,600*                   | 127,000                                                         | 185,400*                   | 250                   |
| 260                   | 48.6                 | 293.1                          | 95,500                                                          | 163,100*                   | 116,300                                                         | 174,500*                   | 260                   |
| 270                   | 46.5                 | 283.8                          | 86,400                                                          | 153,300*                   | 106,300                                                         | 164,300*                   | 270                   |
| 280                   | 44.4                 | 273.7                          | 77,900                                                          | 144,300*                   | 97,100                                                          | 154,900*                   | 280                   |
| 290                   | 42.2                 | 262.8                          | 70,000                                                          | 135,800*                   | 88,500                                                          | 146,000*                   | 290                   |
| 300                   | 39.8                 | 250.9                          | 62,600                                                          | 127,900*                   | 80,400                                                          | 137,800*                   | 300                   |
| 310                   | 37.4                 | 238.1                          | 55,700                                                          | 119,800*                   | 72,900                                                          | 126,200*                   | 310                   |
| 320                   | 34.8                 | 224.0                          | 49,100                                                          | 109,100*                   | 65,800                                                          | 115,200*                   | 320                   |
| 330                   | 32.0                 | 208.3                          | 43,000                                                          | 98,900*                    | 59,100                                                          | 104,800*                   | 330                   |
| 340                   | 28.9                 | 190.8                          | 37,100                                                          | 89,200*                    | 52,700                                                          | 94,800*                    | 340                   |
| 350                   | 25.5                 | 170.7                          | 31,500                                                          | 79,700*                    | 46,600                                                          | 85,100*                    | 350                   |
| 360                   | 21.6                 | 147.0                          | 26,200                                                          | 70,400*                    | 40,800                                                          | 75,600*                    | 360                   |
| 370                   | 16.9                 | 117.2                          | 20,900                                                          | 61,000*                    | 35,100                                                          | 65,900*                    | 370                   |

# Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56  
492,000 Lb. Crane Counterweight  
320,000 Lb. Carbody Counterweight  
0 Lb. thru 863,800 Lb. Hanging Counterweight  
at 59 Ft. Position  
360 Degree Rating

Meets  
ANSI B30.5  
Requirements

## 18000 With 21000 MAX-ER



### 400 Ft. Boom

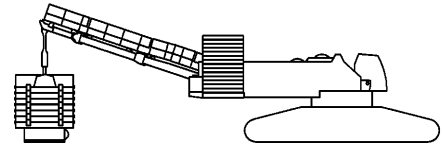
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 247,800 Lb. Hanging<br>Counterweight                            |                            | 467,800 Lb. Hanging<br>Counterweight                            |                            | 599,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 75                    | 80.6                 | 405.2                          | 265,600                                                         | 330,700*                   |                                                                 |                            |                                                                 |                            | 75                    |
| 80                    | 79.9                 | 404.3                          | 237,100                                                         | 330,700*                   |                                                                 |                            |                                                                 |                            | 80                    |
| 85                    | 79.2                 | 403.3                          | 212,400                                                         | 330,700*                   |                                                                 |                            |                                                                 |                            | 85                    |
| 90                    | 78.4                 | 402.3                          | 190,800                                                         | 330,700*                   |                                                                 |                            |                                                                 |                            | 90                    |
| 95                    | 77.7                 | 401.1                          | 171,600                                                         | 330,700*                   |                                                                 |                            |                                                                 |                            | 95                    |
| 100                   | 77.0                 | 400.0                          | 154,600                                                         | 330,700*                   |                                                                 |                            |                                                                 |                            | 100                   |
| 105                   | 76.2                 | 398.7                          | 139,400                                                         | 324,800*                   | 278,500                                                         | 330,700*                   |                                                                 |                            | 105                   |
| 110                   | 75.5                 | 397.4                          | 125,600                                                         | 305,100*                   | 257,700                                                         | 330,700*                   |                                                                 |                            | 110                   |
| 115                   | 74.7                 | 396.0                          | 113,200                                                         | 287,200*                   | 239,000                                                         | 330,700*                   |                                                                 |                            | 115                   |
| 120                   | 74.0                 | 394.5                          | 101,800                                                         | 270,800*                   | 221,900                                                         | 330,600*                   |                                                                 |                            | 120                   |
| 125                   | 73.2                 | 393.0                          | 91,500                                                          | 255,700*                   | 206,200                                                         | 329,500*                   | 275,200                                                         | 329,500*                   | 125                   |
| 130                   | 72.5                 | 391.4                          | 82,000                                                          | 241,800*                   | 191,900                                                         | 317,900*                   | 258,000                                                         | 328,400*                   | 130                   |
| 135                   | 71.7                 | 389.7                          | 73,300                                                          | 228,900*                   | 178,700                                                         | 302,700*                   | 242,100                                                         | 327,200*                   | 135                   |
| 140                   | 71.0                 | 387.9                          | 65,200                                                          | 216,900*                   | 166,500                                                         | 288,500*                   | 227,400                                                         | 326,000*                   | 140                   |
| 145                   | 70.2                 | 386.1                          | 57,700                                                          | 205,800*                   | 155,200                                                         | 275,200*                   | 213,900                                                         | 313,800*                   | 145                   |
| 150                   | 69.4                 | 384.2                          | 50,800                                                          | 195,400*                   | 144,800                                                         | 262,900*                   | 201,300                                                         | 300,200*                   | 150                   |
| 155                   | 68.7                 | 382.2                          | 44,300                                                          | 185,700*                   | 135,000                                                         | 251,300*                   | 189,500                                                         | 287,400*                   | 155                   |
| 160                   | 67.9                 | 380.1                          | 38,200                                                          | 176,700*                   | 125,900                                                         | 240,400*                   | 178,500                                                         | 275,400*                   | 160                   |
| 165                   | 67.1                 | 378.0                          | 32,600                                                          | 168,100*                   | 117,300                                                         | 230,200*                   | 168,300                                                         | 264,100*                   | 165                   |
| 170                   | 66.3                 | 375.8                          | 27,200                                                          | 160,100*                   | 109,300                                                         | 220,500*                   | 158,600                                                         | 253,500*                   | 170                   |
| 175                   | 65.6                 | 373.5                          | 22,200                                                          | 152,500*                   | 101,800                                                         | 211,200*                   | 149,600                                                         | 243,500*                   | 175                   |
| 180                   | 64.8                 | 371.1                          | 17,500                                                          | 145,400*                   | 94,700                                                          | 202,400*                   | 141,100                                                         | 234,000*                   | 180                   |
| 185                   | 64.0                 | 368.6                          | 13,100                                                          | 138,600*                   | 88,000                                                          | 194,100*                   | 133,000                                                         | 225,000*                   | 185                   |
| 190                   | 63.2                 | 366.0                          | 8,900                                                           | 132,200*                   | 81,700                                                          | 186,200*                   | 125,400                                                         | 216,500*                   | 190                   |
| 195                   | 62.3                 | 363.4                          | 4,900                                                           | 126,200*                   | 75,700                                                          | 178,800*                   | 118,200                                                         | 208,400*                   | 195                   |
| 200                   | 61.5                 | 360.6                          | 1,100                                                           | 120,400*                   | 70,000                                                          | 171,700*                   | 111,400                                                         | 200,800*                   | 200                   |
| 205                   | 60.7                 | 357.8                          |                                                                 | 114,900*                   | 64,600                                                          | 164,900*                   | 104,900                                                         | 193,400*                   | 205                   |
| 210                   | 59.9                 | 354.9                          |                                                                 | 109,700*                   | 59,500                                                          | 158,500*                   | 98,800                                                          | 186,500*                   | 210                   |
| 215                   | 59.0                 | 351.8                          |                                                                 | 104,200*                   | 54,600                                                          | 152,300*                   | 92,900                                                          | 179,800*                   | 215                   |
| 220                   | 58.2                 | 348.7                          |                                                                 | 98,500*                    | 49,900                                                          | 146,500*                   | 87,300                                                          | 173,400*                   | 220                   |
| 230                   | 56.5                 | 342.1                          |                                                                 | 87,800*                    | 41,300                                                          | 135,500*                   | 76,900                                                          | 161,500*                   | 230                   |
| 240                   | 54.7                 | 335.1                          |                                                                 | 77,900*                    | 33,300                                                          | 125,500*                   | 67,400                                                          | 150,600*                   | 240                   |
| 250                   | 52.9                 | 327.6                          |                                                                 | 68,900*                    | 26,000                                                          | 116,300*                   | 58,600                                                          | 140,500*                   | 250                   |
| 260                   | 51.1                 | 319.6                          |                                                                 | 60,600*                    | 19,300                                                          | 107,700*                   | 50,500                                                          | 131,100*                   | 260                   |
| 270                   | 49.2                 | 311.0                          |                                                                 | 52,800*                    | 13,000                                                          | 99,800*                    | 43,100                                                          | 122,500*                   | 270                   |
| 280                   | 47.3                 | 301.9                          |                                                                 | 45,600*                    | 7,200                                                           | 92,400*                    | 36,100                                                          | 114,300*                   | 280                   |
| 290                   | 45.3                 | 292.1                          |                                                                 | 38,900*                    | 1,800                                                           | 84,900*                    | 29,600                                                          | 106,700*                   | 290                   |
| 300                   | 43.2                 | 281.5                          |                                                                 | 32,700*                    |                                                                 | 77,000*                    | 23,600                                                          | 99,600*                    | 300                   |
| 310                   | 41.0                 | 270.2                          |                                                                 | 26,800*                    |                                                                 | 69,700*                    | 17,900                                                          | 92,900*                    | 310                   |
| 320                   | 38.8                 | 257.9                          |                                                                 | 21,300*                    |                                                                 | 62,700*                    | 12,600                                                          | 86,600*                    | 320                   |
| 330                   | 36.4                 | 244.6                          |                                                                 | 16,000*                    |                                                                 | 56,200*                    | 7,500                                                           | 80,300*                    | 330                   |
| 340                   | 33.8                 | 230.0                          |                                                                 |                            |                                                                 | 50,000*                    | 2,800                                                           | 73,300*                    | 340                   |
| 350                   | 31.1                 | 213.8                          |                                                                 |                            |                                                                 | 44,100*                    |                                                                 | 65,400*                    | 350                   |
| 360                   | 28.1                 | 195.7                          |                                                                 |                            |                                                                 | 38,500*                    |                                                                 | 57,200*                    | 360                   |
| 370                   | 24.9                 | 175.1                          |                                                                 |                            |                                                                 | 33,200*                    |                                                                 | 49,300*                    | 370                   |
| 380                   | 21.1                 | 150.6                          |                                                                 |                            |                                                                 | 28,000*                    |                                                                 | 41,400*                    | 380                   |
| 390                   | 16.5                 | 120.0                          |                                                                 |                            |                                                                 | 22,900*                    |                                                                 | 33,400*                    | 390                   |

# Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56  
 492,000 Lb. Crane Counterweight  
 320,000 Lb. Carbody Counterweight  
 0 Lb. thru 863,800 Lb. Hanging Counterweight  
 at 59 Ft. Position  
 360 Degree Rating

Meets  
 ANSI B30.5  
 Requirements

**18000 With  
 21000 MAX-ER**



## 400 Ft. Boom

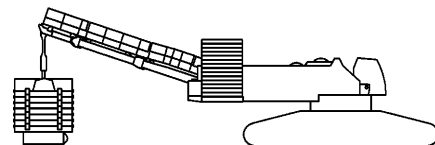
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 775,800 Lb. Hanging<br>Counterweight                            |                            | 863,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 75                    |                      |                                |                                                                 |                            |                                                                 |                            | 75                    |
| 80                    |                      |                                |                                                                 |                            |                                                                 |                            | 80                    |
| 85                    |                      |                                |                                                                 |                            |                                                                 |                            | 85                    |
| 90                    |                      |                                |                                                                 |                            |                                                                 |                            | 90                    |
| 95                    |                      |                                |                                                                 |                            |                                                                 |                            | 95                    |
| 100                   |                      |                                |                                                                 |                            |                                                                 |                            | 100                   |
| 105                   |                      |                                |                                                                 |                            |                                                                 |                            | 105                   |
| 110                   |                      |                                |                                                                 |                            |                                                                 |                            | 110                   |
| 115                   |                      |                                |                                                                 |                            |                                                                 |                            | 115                   |
| 120                   |                      |                                |                                                                 |                            |                                                                 |                            | 120                   |
| 125                   |                      |                                |                                                                 |                            |                                                                 |                            | 125                   |
| 130                   |                      |                                |                                                                 |                            |                                                                 |                            | 130                   |
| 135                   |                      |                                |                                                                 |                            |                                                                 |                            | 135                   |
| 140                   |                      |                                |                                                                 |                            |                                                                 |                            | 140                   |
| 145                   |                      |                                |                                                                 |                            |                                                                 |                            | 145                   |
| 150                   |                      |                                |                                                                 |                            |                                                                 |                            | 150                   |
| 155                   | 68.7                 | 382.2                          | 262,200                                                         | 322,200*                   |                                                                 |                            | 155                   |
| 160                   | 67.9                 | 380.1                          | 248,800                                                         | 320,900*                   |                                                                 |                            | 160                   |
| 165                   | 67.1                 | 378.0                          | 236,200                                                         | 309,400*                   | 270,200                                                         | 319,600*                   | 165                   |
| 170                   | 66.3                 | 375.8                          | 224,400                                                         | 297,500*                   | 257,300                                                         | 314,800*                   | 170                   |
| 175                   | 65.6                 | 373.5                          | 213,300                                                         | 286,200*                   | 245,200                                                         | 303,100*                   | 175                   |
| 180                   | 64.8                 | 371.1                          | 202,900                                                         | 275,600*                   | 233,800                                                         | 292,000*                   | 180                   |
| 185                   | 64.0                 | 368.6                          | 193,100                                                         | 265,500*                   | 223,100                                                         | 281,400*                   | 185                   |
| 190                   | 63.2                 | 366.0                          | 183,800                                                         | 255,900*                   | 213,000                                                         | 271,500*                   | 190                   |
| 195                   | 62.3                 | 363.4                          | 175,000                                                         | 246,800*                   | 203,400                                                         | 262,000*                   | 195                   |
| 200                   | 61.5                 | 360.6                          | 166,600                                                         | 238,200*                   | 194,200                                                         | 253,000*                   | 200                   |
| 205                   | 60.7                 | 357.8                          | 158,700                                                         | 230,000*                   | 185,600                                                         | 244,400*                   | 205                   |
| 210                   | 59.9                 | 354.9                          | 151,200                                                         | 222,100*                   | 177,400                                                         | 236,200*                   | 210                   |
| 215                   | 59.0                 | 351.8                          | 144,000                                                         | 214,700*                   | 169,600                                                         | 228,400*                   | 215                   |
| 220                   | 58.2                 | 348.7                          | 137,200                                                         | 207,500*                   | 162,100                                                         | 220,900*                   | 220                   |
| 230                   | 56.5                 | 342.1                          | 124,400                                                         | 194,100*                   | 148,200                                                         | 207,000*                   | 230                   |
| 240                   | 54.7                 | 335.1                          | 112,800                                                         | 181,800*                   | 135,500                                                         | 194,100*                   | 240                   |
| 250                   | 52.9                 | 327.6                          | 102,100                                                         | 170,500*                   | 123,900                                                         | 182,300*                   | 250                   |
| 260                   | 51.1                 | 319.6                          | 92,200                                                          | 160,000*                   | 113,100                                                         | 171,400*                   | 260                   |
| 270                   | 49.2                 | 311.0                          | 83,100                                                          | 150,300*                   | 103,100                                                         | 161,300*                   | 270                   |
| 280                   | 47.3                 | 301.9                          | 74,600                                                          | 141,300*                   | 93,900                                                          | 151,800*                   | 280                   |
| 290                   | 45.3                 | 292.1                          | 66,700                                                          | 132,800*                   | 85,300                                                          | 143,000*                   | 290                   |
| 300                   | 43.2                 | 281.5                          | 59,400                                                          | 124,900*                   | 77,300                                                          | 134,800*                   | 300                   |
| 310                   | 41.0                 | 270.2                          | 52,500                                                          | 117,500*                   | 69,700                                                          | 127,100*                   | 310                   |
| 320                   | 38.8                 | 257.9                          | 46,000                                                          | 110,300*                   | 62,700                                                          | 116,500*                   | 320                   |
| 330                   | 36.4                 | 244.6                          | 39,800                                                          | 100,200*                   | 56,000                                                          | 106,200*                   | 330                   |
| 340                   | 33.8                 | 230.0                          | 34,100                                                          | 90,600*                    | 49,700                                                          | 96,400*                    | 340                   |
| 350                   | 31.1                 | 213.8                          | 28,600                                                          | 81,500*                    | 43,700                                                          | 87,000*                    | 350                   |
| 360                   | 28.1                 | 195.7                          | 23,300                                                          | 72,700*                    | 38,000                                                          | 78,000*                    | 360                   |
| 370                   | 24.9                 | 175.1                          | 18,300                                                          | 64,200*                    | 32,600                                                          | 69,300*                    | 370                   |
| 380                   | 21.1                 | 150.6                          | 13,400                                                          | 55,700*                    | 27,300                                                          | 60,600*                    | 380                   |
| 390                   | 16.5                 | 120.0                          | 8,700                                                           | 47,000*                    | 22,100                                                          | 51,700*                    | 390                   |

# Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56  
492,000 Lb. Crane Counterweight  
320,000 Lb. Carbody Counterweight  
0 Lb. thru 863,800 Lb. Hanging Counterweight  
at 59 Ft. Position  
360 Degree Rating

Meets  
ANSI B30.5  
Requirements

**18000 With  
21000 MAX-ER**



## 420 Ft. Boom

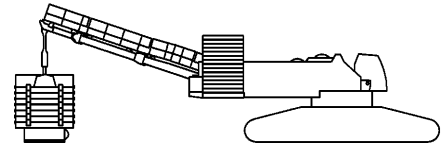
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 467,800 Lb. Hanging<br>Counterweight                            |                            | 599,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 115                   | 75.5                 | 416.7                          | 238,600                                                         | 288,700*                   |                                                                 |                            | 115                   |
| 120                   | 74.8                 | 415.3                          | 221,300                                                         | 287,900*                   |                                                                 |                            | 120                   |
| 125                   | 74.1                 | 413.9                          | 205,600                                                         | 287,000*                   |                                                                 |                            | 125                   |
| 130                   | 73.4                 | 412.4                          | 191,200                                                         | 286,200*                   |                                                                 |                            | 130                   |
| 135                   | 72.6                 | 410.8                          | 177,900                                                         | 285,300*                   | 241,500                                                         | 285,300*                   | 135                   |
| 140                   | 71.9                 | 409.1                          | 165,700                                                         | 284,400*                   | 226,800                                                         | 284,400*                   | 140                   |
| 145                   | 71.2                 | 407.4                          | 154,300                                                         | 273,600*                   | 213,200                                                         | 283,400*                   | 145                   |
| 150                   | 70.5                 | 405.6                          | 143,800                                                         | 261,300*                   | 200,500                                                         | 282,500*                   | 150                   |
| 155                   | 69.7                 | 403.7                          | 134,000                                                         | 249,700*                   | 188,700                                                         | 281,500*                   | 155                   |
| 160                   | 69.0                 | 401.7                          | 124,800                                                         | 238,800*                   | 177,700                                                         | 273,800*                   | 160                   |
| 165                   | 68.3                 | 399.7                          | 116,200                                                         | 228,600*                   | 167,300                                                         | 262,600*                   | 165                   |
| 170                   | 67.5                 | 397.6                          | 108,200                                                         | 219,000*                   | 157,700                                                         | 251,900*                   | 170                   |
| 175                   | 66.8                 | 395.5                          | 100,600                                                         | 209,700*                   | 148,600                                                         | 241,900*                   | 175                   |
| 180                   | 66.0                 | 393.2                          | 93,500                                                          | 201,000*                   | 140,000                                                         | 232,400*                   | 180                   |
| 185                   | 65.3                 | 390.9                          | 86,800                                                          | 192,600*                   | 131,900                                                         | 223,500*                   | 185                   |
| 190                   | 64.5                 | 388.5                          | 80,400                                                          | 184,800*                   | 124,300                                                         | 215,000*                   | 190                   |
| 195                   | 63.8                 | 386.0                          | 74,400                                                          | 177,300*                   | 117,100                                                         | 206,900*                   | 195                   |
| 200                   | 63.0                 | 383.4                          | 68,700                                                          | 170,200*                   | 110,200                                                         | 199,200*                   | 200                   |
| 205                   | 62.2                 | 380.7                          | 63,300                                                          | 163,400*                   | 103,700                                                         | 191,900*                   | 205                   |
| 210                   | 61.5                 | 378.0                          | 58,200                                                          | 157,000*                   | 97,600                                                          | 184,900*                   | 210                   |
| 215                   | 60.7                 | 375.1                          | 53,300                                                          | 150,900*                   | 91,700                                                          | 178,200*                   | 215                   |
| 220                   | 59.9                 | 372.2                          | 48,600                                                          | 145,000*                   | 86,100                                                          | 171,900*                   | 220                   |
| 230                   | 58.3                 | 366.0                          | 39,900                                                          | 134,100*                   | 75,600                                                          | 160,000*                   | 230                   |
| 240                   | 56.6                 | 359.5                          | 31,900                                                          | 124,000*                   | 66,100                                                          | 149,000*                   | 240                   |
| 250                   | 55.0                 | 352.5                          | 24,600                                                          | 114,800*                   | 57,300                                                          | 139,000*                   | 250                   |
| 260                   | 53.3                 | 345.1                          | 17,800                                                          | 106,300*                   | 49,200                                                          | 129,600*                   | 260                   |
| 270                   | 51.6                 | 337.2                          | 11,600                                                          | 98,400*                    | 41,700                                                          | 121,000*                   | 270                   |
| 280                   | 49.8                 | 328.9                          | 5,800                                                           | 91,000*                    | 34,800                                                          | 112,900*                   | 280                   |
| 290                   | 47.9                 | 319.9                          | 400                                                             | 83,500*                    | 28,300                                                          | 105,300*                   | 290                   |
| 300                   | 46.1                 | 310.4                          |                                                                 | 75,600*                    | 22,200                                                          | 98,200*                    | 300                   |
| 310                   | 44.1                 | 300.1                          |                                                                 | 68,300*                    | 16,600                                                          | 91,500*                    | 310                   |
| 320                   | 42.1                 | 289.2                          |                                                                 | 61,300*                    | 11,200                                                          | 85,300*                    | 320                   |
| 330                   | 40.0                 | 277.4                          |                                                                 | 54,800*                    | 6,200                                                           | 79,000*                    | 330                   |
| 340                   | 37.8                 | 264.7                          |                                                                 | 48,700*                    | 1,500                                                           | 72,100*                    | 340                   |
| 350                   | 35.4                 | 250.9                          |                                                                 | 42,800*                    |                                                                 | 65,500*                    | 350                   |
| 360                   | 33.0                 | 235.9                          |                                                                 | 37,300*                    |                                                                 | 59,300*                    | 360                   |
| 370                   | 30.3                 | 219.2                          |                                                                 | 32,000*                    |                                                                 | 52,300*                    | 370                   |
| 380                   | 27.4                 | 200.6                          |                                                                 | 27,000*                    |                                                                 | 44,900*                    | 380                   |
| 390                   | 24.2                 | 179.3                          |                                                                 | 22,200*                    |                                                                 | 37,600*                    | 390                   |
| 400                   | 20.5                 | 154.2                          |                                                                 | 17,500*                    |                                                                 | 30,500*                    | 400                   |
| 410                   | 16.0                 | 122.7                          |                                                                 |                            |                                                                 | 23,100*                    | 410                   |

# Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56  
 492,000 Lb. Crane Counterweight  
 320,000 Lb. Carbody Counterweight  
 0 Lb. thru 863,800 Lb. Hanging Counterweight  
 at 59 Ft. Position  
 360 Degree Rating

Meets  
 ANSI B30.5  
 Requirements

**18000 With  
 21000 MAX-ER**



## 420 Ft. Boom

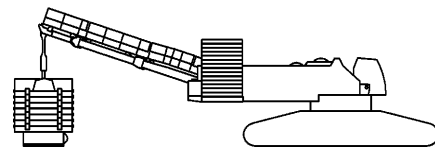
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 775,800 Lb. Hanging<br>Counterweight                            |                            | 863,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 115                   |                      |                                |                                                                 |                            |                                                                 |                            | 115                   |
| 120                   |                      |                                |                                                                 |                            |                                                                 |                            | 120                   |
| 125                   |                      |                                |                                                                 |                            |                                                                 |                            | 125                   |
| 130                   |                      |                                |                                                                 |                            |                                                                 |                            | 130                   |
| 135                   |                      |                                |                                                                 |                            |                                                                 |                            | 135                   |
| 140                   |                      |                                |                                                                 |                            |                                                                 |                            | 140                   |
| 145                   |                      |                                |                                                                 |                            |                                                                 |                            | 145                   |
| 150                   |                      |                                |                                                                 |                            |                                                                 |                            | 150                   |
| 155                   |                      |                                |                                                                 |                            |                                                                 |                            | 155                   |
| 160                   |                      |                                |                                                                 |                            |                                                                 |                            | 160                   |
| 165                   |                      |                                |                                                                 |                            |                                                                 |                            | 165                   |
| 170                   | 67.5                 | 397.6                          | 223,700                                                         | 278,500*                   |                                                                 |                            | 170                   |
| 175                   | 66.8                 | 395.5                          | 212,500                                                         | 277,400*                   |                                                                 |                            | 175                   |
| 180                   | 66.0                 | 393.2                          | 202,000                                                         | 274,000*                   | 233,100                                                         | 276,300*                   | 180                   |
| 185                   | 65.3                 | 390.9                          | 192,200                                                         | 263,900*                   | 222,300                                                         | 275,300*                   | 185                   |
| 190                   | 64.5                 | 388.5                          | 182,800                                                         | 254,400*                   | 212,100                                                         | 269,900*                   | 190                   |
| 195                   | 63.8                 | 386.0                          | 174,000                                                         | 245,300*                   | 202,500                                                         | 260,400*                   | 195                   |
| 200                   | 63.0                 | 383.4                          | 165,600                                                         | 236,700*                   | 193,300                                                         | 251,400*                   | 200                   |
| 205                   | 62.2                 | 380.7                          | 157,700                                                         | 228,400*                   | 184,700                                                         | 242,800*                   | 205                   |
| 210                   | 61.5                 | 378.0                          | 150,100                                                         | 220,600*                   | 176,400                                                         | 234,700*                   | 210                   |
| 215                   | 60.7                 | 375.1                          | 142,900                                                         | 213,100*                   | 168,600                                                         | 226,800*                   | 215                   |
| 220                   | 59.9                 | 372.2                          | 136,100                                                         | 206,000*                   | 161,100                                                         | 219,400*                   | 220                   |
| 230                   | 58.3                 | 366.0                          | 123,300                                                         | 192,600*                   | 147,200                                                         | 205,400*                   | 230                   |
| 240                   | 56.6                 | 359.5                          | 111,600                                                         | 180,300*                   | 134,400                                                         | 192,600*                   | 240                   |
| 250                   | 55.0                 | 352.5                          | 100,900                                                         | 169,000*                   | 122,700                                                         | 180,800*                   | 250                   |
| 260                   | 53.3                 | 345.1                          | 91,000                                                          | 158,500*                   | 111,900                                                         | 169,900*                   | 260                   |
| 270                   | 51.6                 | 337.2                          | 81,900                                                          | 148,800*                   | 102,000                                                         | 159,800*                   | 270                   |
| 280                   | 49.8                 | 328.9                          | 73,400                                                          | 139,800*                   | 92,700                                                          | 150,300*                   | 280                   |
| 290                   | 47.9                 | 319.9                          | 65,500                                                          | 131,300*                   | 84,100                                                          | 141,600*                   | 290                   |
| 300                   | 46.1                 | 310.4                          | 58,100                                                          | 123,500*                   | 76,100                                                          | 133,300*                   | 300                   |
| 310                   | 44.1                 | 300.1                          | 51,200                                                          | 116,100*                   | 68,600                                                          | 125,600*                   | 310                   |
| 320                   | 42.1                 | 289.2                          | 44,700                                                          | 109,100*                   | 61,500                                                          | 118,400*                   | 320                   |
| 330                   | 40.0                 | 277.4                          | 38,600                                                          | 102,600*                   | 54,900                                                          | 109,100*                   | 330                   |
| 340                   | 37.8                 | 264.7                          | 32,900                                                          | 93,500*                    | 48,600                                                          | 99,300*                    | 340                   |
| 350                   | 35.4                 | 250.9                          | 27,400                                                          | 84,400*                    | 42,700                                                          | 90,100*                    | 350                   |
| 360                   | 33.0                 | 235.9                          | 22,200                                                          | 75,800*                    | 37,000                                                          | 81,200*                    | 360                   |
| 370                   | 30.3                 | 219.2                          | 17,300                                                          | 67,600*                    | 31,600                                                          | 72,800*                    | 370                   |
| 380                   | 27.4                 | 200.6                          | 12,600                                                          | 59,600*                    | 26,500                                                          | 64,600*                    | 380                   |
| 390                   | 24.2                 | 179.3                          | 8,000                                                           | 51,800*                    | 21,600                                                          | 56,600*                    | 390                   |
| 400                   | 20.5                 | 154.2                          | 3,600                                                           | 44,100*                    | 16,800                                                          | 48,700*                    | 400                   |
| 410                   | 16.0                 | 122.7                          |                                                                 | 36,100*                    | 12,100                                                          | 40,500*                    | 410                   |

# Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56  
 492,000 Lb. Crane Counterweight  
 320,000 Lb. Carbody Counterweight  
 0 Lb. thru 863,800 Lb. Hanging Counterweight  
 at 59 Ft. Position  
 360 Degree Rating

Meets  
 ANSI B30.5  
 Requirements

## 18000 With 21000 MAX-ER



### 440 Ft. Boom

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 467,800 Lb. Hanging<br>Counterweight                            |                            | 599,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 125                   | 74.8                 | 434.7                          | 202,800                                                         | 255,700*                   |                                                                 |                            | 125                   |
| 130                   | 74.1                 | 433.3                          | 188,300                                                         | 255,000*                   |                                                                 |                            | 130                   |
| 135                   | 73.5                 | 431.7                          | 174,900                                                         | 254,200*                   |                                                                 |                            | 135                   |
| 140                   | 72.8                 | 430.2                          | 162,600                                                         | 253,400*                   |                                                                 |                            | 140                   |
| 145                   | 72.1                 | 428.5                          | 151,200                                                         | 252,600*                   | 210,200                                                         | 252,600*                   | 145                   |
| 150                   | 71.4                 | 426.8                          | 140,600                                                         | 251,800*                   | 197,500                                                         | 251,800*                   | 150                   |
| 155                   | 70.7                 | 425.0                          | 130,700                                                         | 246,400*                   | 185,600                                                         | 250,900*                   | 155                   |
| 160                   | 70.0                 | 423.2                          | 121,500                                                         | 235,600*                   | 174,500                                                         | 250,100*                   | 160                   |
| 165                   | 69.3                 | 421.3                          | 112,900                                                         | 225,400*                   | 164,200                                                         | 249,200*                   | 165                   |
| 170                   | 68.6                 | 419.3                          | 104,800                                                         | 215,700*                   | 154,400                                                         | 248,300*                   | 170                   |
| 175                   | 67.9                 | 417.2                          | 97,200                                                          | 206,600*                   | 145,300                                                         | 238,700*                   | 175                   |
| 180                   | 67.2                 | 415.1                          | 90,100                                                          | 197,800*                   | 136,700                                                         | 229,200*                   | 180                   |
| 185                   | 66.5                 | 412.9                          | 83,300                                                          | 189,500*                   | 128,600                                                         | 220,200*                   | 185                   |
| 190                   | 65.8                 | 410.6                          | 76,900                                                          | 181,600*                   | 120,900                                                         | 211,700*                   | 190                   |
| 195                   | 65.1                 | 408.2                          | 70,900                                                          | 174,100*                   | 113,700                                                         | 203,700*                   | 195                   |
| 200                   | 64.3                 | 405.8                          | 65,200                                                          | 167,100*                   | 106,800                                                         | 196,000*                   | 200                   |
| 205                   | 63.6                 | 403.3                          | 59,700                                                          | 160,300*                   | 100,300                                                         | 188,700*                   | 205                   |
| 210                   | 62.9                 | 400.7                          | 54,600                                                          | 153,900*                   | 94,100                                                          | 181,700*                   | 210                   |
| 215                   | 62.1                 | 398.0                          | 49,700                                                          | 147,700*                   | 88,200                                                          | 175,000*                   | 215                   |
| 220                   | 61.4                 | 395.3                          | 45,000                                                          | 141,900*                   | 82,600                                                          | 168,700*                   | 220                   |
| 230                   | 59.9                 | 389.5                          | 36,300                                                          | 131,000*                   | 72,100                                                          | 156,800*                   | 230                   |
| 240                   | 58.4                 | 383.4                          | 28,300                                                          | 120,900*                   | 62,500                                                          | 145,900*                   | 240                   |
| 250                   | 56.8                 | 376.9                          | 20,900                                                          | 111,700*                   | 53,700                                                          | 135,800*                   | 250                   |
| 260                   | 55.2                 | 370.0                          | 14,200                                                          | 103,200*                   | 45,600                                                          | 126,500*                   | 260                   |
| 270                   | 53.6                 | 362.6                          | 7,900                                                           | 95,300*                    | 38,100                                                          | 117,800*                   | 270                   |
| 280                   | 52.0                 | 354.9                          | 2,100                                                           | 87,800*                    | 31,200                                                          | 109,800*                   | 280                   |
| 290                   | 50.3                 | 346.6                          |                                                                 | 79,800*                    | 24,700                                                          | 102,200*                   | 290                   |
| 300                   | 48.5                 | 337.9                          |                                                                 | 72,000*                    | 18,600                                                          | 95,100*                    | 300                   |
| 310                   | 46.8                 | 328.5                          |                                                                 | 64,600*                    | 13,000                                                          | 88,500*                    | 310                   |
| 320                   | 44.9                 | 318.6                          |                                                                 | 57,700*                    | 7,600                                                           | 82,200*                    | 320                   |
| 330                   | 43.0                 | 308.0                          |                                                                 | 51,200*                    | 2,600                                                           | 75,300*                    | 330                   |
| 340                   | 41.1                 | 296.7                          |                                                                 | 45,100*                    |                                                                 | 68,500*                    | 340                   |
| 350                   | 39.0                 | 284.5                          |                                                                 | 39,300*                    |                                                                 | 62,000*                    | 350                   |
| 360                   | 36.9                 | 271.4                          |                                                                 | 33,800*                    |                                                                 | 55,900*                    | 360                   |
| 370                   | 34.6                 | 257.1                          |                                                                 | 28,600*                    |                                                                 | 50,000*                    | 370                   |
| 380                   | 32.2                 | 241.6                          |                                                                 | 23,600*                    |                                                                 | 44,400*                    | 380                   |
| 390                   | 29.6                 | 224.4                          |                                                                 | 18,800*                    |                                                                 | 38,100*                    | 390                   |
| 400                   | 26.8                 | 205.3                          |                                                                 |                            |                                                                 | 31,400*                    | 400                   |
| 410                   | 23.7                 | 183.4                          |                                                                 |                            |                                                                 | 24,800*                    | 410                   |
| 420                   | 20.1                 | 157.6                          |                                                                 |                            |                                                                 | 18,200*                    | 420                   |
| 430                   |                      |                                |                                                                 |                            |                                                                 |                            | 430                   |

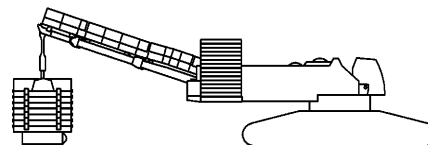


# Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56  
 492,000 Lb. Crane Counterweight  
 320,000 Lb. Carbody Counterweight  
 0 Lb. thru 863,800 Lb. Hanging Counterweight  
 at 59 Ft. Position  
 360 Degree Rating

Meets  
 ANSI B30.5  
 Requirements

**18000 With  
 21000 MAX-ER**



## 440 Ft. Boom

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 775,800 Lb. Hanging<br>Counterweight                            |                            | 863,800 Lb. Hanging<br>Counterweight                            |                            | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-----------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|----------------------------|-----------------------|
|                       |                      |                                | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds | Minimum<br>Boom<br>Capacity<br>To Swing<br>and Travel<br>Pounds | Boom<br>Capacity<br>Pounds |                       |
| 125                   |                      |                                |                                                                 |                            |                                                                 |                            | 125                   |
| 130                   |                      |                                |                                                                 |                            |                                                                 |                            | 130                   |
| 135                   |                      |                                |                                                                 |                            |                                                                 |                            | 135                   |
| 140                   |                      |                                |                                                                 |                            |                                                                 |                            | 140                   |
| 145                   |                      |                                |                                                                 |                            |                                                                 |                            | 145                   |
| 150                   |                      |                                |                                                                 |                            |                                                                 |                            | 150                   |
| 155                   |                      |                                |                                                                 |                            |                                                                 |                            | 155                   |
| 160                   |                      |                                |                                                                 |                            |                                                                 |                            | 160                   |
| 165                   |                      |                                |                                                                 |                            |                                                                 |                            | 165                   |
| 170                   |                      |                                |                                                                 |                            |                                                                 |                            | 170                   |
| 175                   | 67.9                 | 417.2                          | 209,500                                                         | 247,400*                   |                                                                 |                            | 175                   |
| 180                   | 67.2                 | 415.1                          | 198,900                                                         | 246,500*                   |                                                                 |                            | 180                   |
| 185                   | 66.5                 | 412.9                          | 189,000                                                         | 245,600*                   |                                                                 |                            | 185                   |
| 190                   | 65.8                 | 410.6                          | 179,600                                                         | 244,600*                   |                                                                 |                            | 190                   |
| 195                   | 65.1                 | 408.2                          | 170,800                                                         | 242,100*                   | 199,300                                                         | 243,700*                   | 195                   |
| 200                   | 64.3                 | 405.8                          | 162,400                                                         | 233,400*                   | 190,200                                                         | 242,700*                   | 200                   |
| 205                   | 63.6                 | 403.3                          | 154,400                                                         | 225,200*                   | 181,400                                                         | 239,600*                   | 205                   |
| 210                   | 62.9                 | 400.7                          | 146,800                                                         | 217,400*                   | 173,200                                                         | 231,400*                   | 210                   |
| 215                   | 62.1                 | 398.0                          | 139,600                                                         | 209,900*                   | 165,300                                                         | 223,600*                   | 215                   |
| 220                   | 61.4                 | 395.3                          | 132,700                                                         | 202,800*                   | 157,800                                                         | 216,200*                   | 220                   |
| 230                   | 59.9                 | 389.5                          | 119,900                                                         | 189,400*                   | 143,800                                                         | 202,300*                   | 230                   |
| 240                   | 58.4                 | 383.4                          | 108,200                                                         | 177,100*                   | 131,100                                                         | 189,400*                   | 240                   |
| 250                   | 56.8                 | 376.9                          | 97,500                                                          | 165,800*                   | 119,300                                                         | 177,600*                   | 250                   |
| 260                   | 55.2                 | 370.0                          | 87,500                                                          | 155,400*                   | 108,500                                                         | 166,700*                   | 260                   |
| 270                   | 53.6                 | 362.6                          | 78,400                                                          | 145,700*                   | 98,500                                                          | 156,600*                   | 270                   |
| 280                   | 52.0                 | 354.9                          | 69,900                                                          | 136,600*                   | 89,300                                                          | 147,200*                   | 280                   |
| 290                   | 50.3                 | 346.6                          | 62,000                                                          | 128,200*                   | 80,700                                                          | 138,400*                   | 290                   |
| 300                   | 48.5                 | 337.9                          | 54,600                                                          | 120,300*                   | 72,600                                                          | 130,200*                   | 300                   |
| 310                   | 46.8                 | 328.5                          | 47,700                                                          | 113,000*                   | 65,100                                                          | 122,500*                   | 310                   |
| 320                   | 44.9                 | 318.6                          | 41,300                                                          | 106,000*                   | 58,100                                                          | 115,300*                   | 320                   |
| 330                   | 43.0                 | 308.0                          | 35,200                                                          | 99,500*                    | 51,400                                                          | 108,500*                   | 330                   |
| 340                   | 41.1                 | 296.7                          | 29,400                                                          | 93,300*                    | 45,200                                                          | 99,600*                    | 340                   |
| 350                   | 39.0                 | 284.5                          | 24,000                                                          | 84,600*                    | 39,300                                                          | 90,300*                    | 350                   |
| 360                   | 36.9                 | 271.4                          | 18,800                                                          | 76,100*                    | 33,700                                                          | 81,600*                    | 360                   |
| 370                   | 34.6                 | 257.1                          | 14,000                                                          | 67,900*                    | 28,300                                                          | 73,300*                    | 370                   |
| 380                   | 32.2                 | 241.6                          | 9,300                                                           | 60,100*                    | 23,300                                                          | 65,300*                    | 380                   |
| 390                   | 29.6                 | 224.4                          | 4,800                                                           | 52,600*                    | 18,400                                                          | 57,600*                    | 390                   |
| 400                   | 26.8                 | 205.3                          | 500                                                             | 45,400*                    | 13,800                                                          | 50,100*                    | 400                   |
| 410                   | 23.7                 | 183.4                          |                                                                 | 38,200*                    | 9,300                                                           | 42,800*                    | 410                   |
| 420                   | 20.1                 | 157.6                          |                                                                 | 31,100*                    | 4,900                                                           | 35,600*                    | 420                   |
| 430                   | 15.7                 | 125.4                          |                                                                 | 23,800*                    | 600                                                             | 28,000*                    | 430                   |