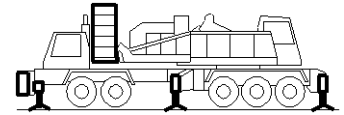


# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**  
**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets  
ANSI B30.5  
Requirements



**LIFTING CAPACITIES:** Lifting capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 85% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (\*).

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

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 outriggers fully extended (22 Ft. 8 in.) and set. Refer to operators manual for outrigger positioning. Radii less than 32 Ft. not recommended when lifting over front of truck. Minimum boom angle over truck cab is 24 degrees.

**Note:** Set four main jacks first, then lower center front jack until it just contacts ground to prevent preloading of center front jack. Center front jack must be used when operating on outriggers.

Refer to boom rigging **No. A03379**, Wire Rope Specification chart **No. 7973-A** and Operating Range Diagram chart

**No. 7974-A.** Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

**MACHINE TRAVEL:** Machine to travel (1/4 MPH) on a firm, level and uniformly supporting surface with outrigger jacks retracted and boom within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8458-A**, Maximum Allowable Traveling Weight chart **No. 7972-A** and Weight Distribution chart **No. 7975-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 Manitowoc 10 x 6 carrier, 277 in. wheel base, 117 in. front axle track, 100 in. rear axle track, 14.00 x 24 tires, 96 in. front outriggers, 70 in. rear outriggers, two 12 in. boom hoist cylinders, 26 Ft. mast, two boom support straps, crane counterweight as specified with 25,000 Lb. front bumper counterweight.

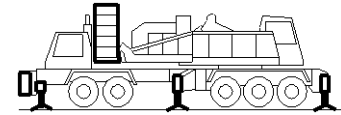
| Deduct From Capacities<br>When Jib Is Attached |             |
|------------------------------------------------|-------------|
| Jib Length                                     | Jib No. 134 |
| 30 Ft.                                         | 3,900 Lbs.  |
| 40 Ft.                                         | 4,700 Lbs.  |
| 50 Ft.                                         | 5,600 Lbs.  |
| 60 Ft.                                         | 6,600 Lbs.  |
| 70 Ft.                                         | 7,600 Lbs.  |
| 80 Ft.                                         | 8,700 Lbs.  |

| Upper Boom Point Deduct                                              |
|----------------------------------------------------------------------|
| Deduct 1,000 Lbs. from capacities when upper boom point is attached. |

| Auxiliary Drum Deduct                                                             |
|-----------------------------------------------------------------------------------|
| Deduct 1,700 Lbs. from capacities when boom butt is equipped with auxiliary drum. |

# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**
**0 Lb. to 95,400 Lb. Crane Counterweight**
**With 25,000 Lb. Front Bumper Counterweight**
**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

 Meets  
ANSI B30.5  
Requirements


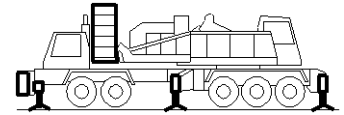
| Maximum Boom and Jib Lengths<br>Lifted Unassisted On Outriggers                                                           |                |                                              |                |
|---------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------|----------------|
| Over Rear of<br>Outriggers                                                                                                |                | Over Side of<br>Fully Extended<br>Outriggers |                |
| Boom<br>Length                                                                                                            | Jib<br>No. 134 | Boom<br>Length                               | Jib<br>No. 134 |
| 95,400 Lb. Crane Counterweight<br>+ 25,000 Lb. Front Bumper Cwt.                                                          |                |                                              |                |
| (a) 260 Ft.                                                                                                               | —              | 220 Ft.                                      | —              |
| 250 Ft.                                                                                                                   | —              | 210 Ft.                                      | —              |
| 240 Ft.                                                                                                                   | —              | 200 Ft.                                      | 30 Ft.         |
| 230 Ft.                                                                                                                   | 50 Ft.         | 190 Ft.                                      | 50 Ft.         |
| 220 Ft.                                                                                                                   | 70 Ft.         | 180 Ft.                                      | 80 Ft.         |
| 210 Ft.                                                                                                                   | 80 Ft.         |                                              |                |
| 78,400 Lb. Crane Counterweight<br>+ 25,000 Lb. Front Bumper Cwt.                                                          |                |                                              |                |
| 240 Ft.                                                                                                                   | —              | 200 Ft.                                      | —              |
| 230 Ft.                                                                                                                   | 30 Ft.         | 190 Ft.                                      | 30 Ft.         |
| 220 Ft.                                                                                                                   | 60 Ft.         | 180 Ft.                                      | 60 Ft.         |
| 210 Ft.                                                                                                                   | 70 Ft.         | 170 Ft.                                      | 80 Ft.         |
| 200 Ft.                                                                                                                   | 80 Ft.         |                                              |                |
| 61,400 Lb. Crane Counterweight<br>+ 25,000 Lb. Front Bumper Cwt.                                                          |                |                                              |                |
| 230 Ft.                                                                                                                   | —              | 190 Ft.                                      | —              |
| 220 Ft.                                                                                                                   | —              | 180 Ft.                                      | —              |
| 210 Ft.                                                                                                                   | 40 Ft.         | 170 Ft.                                      | 50 Ft.         |
| 200 Ft.                                                                                                                   | 60 Ft.         | 160 Ft.                                      | 60 Ft.         |
| 190 Ft.                                                                                                                   | 80 Ft.         | 150 Ft.                                      | 80 Ft.         |
| 44,400 Lb. Crane Counterweight<br>+ 25,000 Lb. Front Bumper Cwt.                                                          |                |                                              |                |
| 210 Ft.                                                                                                                   | —              | 170 Ft.                                      | —              |
| 200 Ft.                                                                                                                   | —              | 160 Ft.                                      | —              |
| 190 Ft.                                                                                                                   | 50 Ft.         | 150 Ft.                                      | 40 Ft.         |
| 180 Ft.                                                                                                                   | 80 Ft.         | 140 Ft.                                      | 70 Ft.         |
|                                                                                                                           |                | 130 Ft.                                      | 80 Ft.         |
| Load block, hook and weight ball on ground<br>at start. (a) Upper boom point cannot be<br>used on 260 Ft. boom over rear. |                |                                              |                |

| Maximum Boom and Jib<br>Lengths Lifted Unassisted<br>On Rubber   |                |                |
|------------------------------------------------------------------|----------------|----------------|
| Over Rear                                                        |                | Over Side      |
| Boom<br>Length                                                   | Jib<br>No. 134 | Boom<br>Length |
| 95,400 Lb. Crane Counterweight<br>+ 25,000 Lb. Front Bumper Cwt. |                |                |
| Not<br>Allowed                                                   |                |                |
| 78,400 Lb. Crane Counterweight<br>+ 25,000 Lb. Front Bumper Cwt. |                |                |
| Not<br>Allowed                                                   |                |                |
| 61,400 Lb. Crane Counterweight<br>+ 25,000 Lb. Front Bumper Cwt. |                |                |
| Not<br>Allowed                                                   |                |                |
| 44,400 Lb. Crane Counterweight<br>+ 25,000 Lb. Front Bumper Cwt. |                |                |
| 130 Ft.                                                          | —              | Not<br>Allowed |
| 120 Ft.                                                          | 40 Ft.         |                |
| 110 Ft.                                                          | 60 Ft.         |                |
| 100 Ft.                                                          | 80 Ft.         |                |
| Load block, hook and weight ball on<br>ground at start.          |                |                |

# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**  
**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets  
ANSI B30.5  
Requirements



| Maximum Boom and Jib Lengths<br>Lifted Unassisted On Outriggers  |                |                                              |                |
|------------------------------------------------------------------|----------------|----------------------------------------------|----------------|
| Over Rear of<br>Outriggers                                       |                | Over Side of<br>Fully Extended<br>Outriggers |                |
| Boom<br>Length                                                   | Jib<br>No. 134 | Boom<br>Length                               | Jib<br>No. 134 |
| 27,400 Lb. Crane Counterweight<br>+ 25,000 Lb. Front Bumper Cwt. |                |                                              |                |
| 190 Ft.                                                          | —              | 150 Ft.                                      | —              |
| 180 Ft.                                                          | 40 Ft.         | 140 Ft.                                      | —              |
| 170 Ft.                                                          | 60 Ft.         | 130 Ft.                                      | 50 Ft.         |
| 160 Ft.                                                          | 80 Ft.         | 120 Ft.                                      | 80 Ft.         |
| 10,400 Lb. Crane Counterweight<br>+ 25,000 Lb. Front Bumper Cwt. |                |                                              |                |
| 180 Ft.                                                          | —              | 130 Ft.                                      | —              |
| 170 Ft.                                                          | —              | 120 Ft.                                      | —              |
| 160 Ft.                                                          | 40 Ft.         | 110 Ft.                                      | 50 Ft.         |
| 150 Ft.                                                          | 60 Ft.         | 100 Ft.                                      | 70 Ft.         |
| 140 Ft.                                                          | 80 Ft.         |                                              |                |
| 0 Lb. Crane Counterweight<br>+ 25,000 Lb. Front Bumper Cwt.      |                |                                              |                |
| 170 Ft.                                                          | —              | 120 Ft.                                      | —              |
| 160 Ft.                                                          | —              | 110 Ft.                                      | —              |
| 150 Ft.                                                          | 40 Ft.         | 100 Ft.                                      | 40 Ft.         |
| 140 Ft.                                                          | 70 Ft.         |                                              |                |
| 130 Ft.                                                          | 80 Ft.         |                                              |                |
| Load block, hook and weight ball on ground<br>at start.          |                |                                              |                |

| Maximum Boom and Jib<br>Lengths Lifted Unassisted<br>On Rubber   |                  |                        |
|------------------------------------------------------------------|------------------|------------------------|
| Over Rear                                                        |                  | Over Side              |
| Boom<br>Length                                                   | Jib<br>No. 134   | Boom<br>Length         |
| 27,400 Lb. Crane Counterweight<br>+ 25,000 Lb. Front Bumper Cwt. |                  |                        |
| 120 Ft.<br>110 Ft.<br>100 Ft.                                    | —<br>—<br>50 Ft. | <b>Not<br/>Allowed</b> |
| 10,400 Lb. Crane Counterweight<br>+ 25,000 Lb. Front Bumper Cwt. |                  |                        |
| 100 Ft.                                                          | —                | 42.5 Ft.               |
| 0 Lb. Crane Counterweight<br>+ 25,000 Lb. Front Bumper Cwt.      |                  |                        |
| 90 Ft.                                                           | —                | 42.5 Ft.               |
| Load block, hook and weight ball on<br>ground at start.          |                  |                        |

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

Refer to chart **No. 8456-A, -B or -C** (0, 8,000 or 25,000 Lb. front bumper counterweight [FBC]) for fully extended outrigger boom capacities.

## 25 Ft. Boom<sup>1</sup>

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|
|                       |                      |                                | Boom Capacity<br>Rear - Pounds                  |
| 11.0                  | 82.1                 | 33.3                           | 440,000 *                                       |

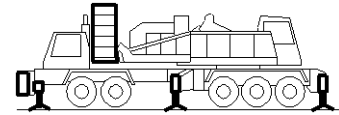
<sup>1</sup> **Note:** Requires additional rigging components.

# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**  
**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets  
ANSI B30.5  
Requirements

**777T**



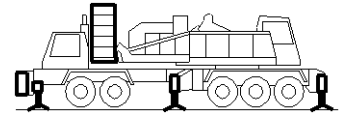
## 42.5 Ft. Boom

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 78,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 61,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 44,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 12                    | 81.6                 | 50.3                           | 364,000*                                        | 364,000*                           | 364,000*                                        | 364,000*                           | 364,000*                                        | 364,000*                           | 358,100*                                        | 358,100*                           | 12                    |
| 13                    | 80.2                 | 50.1                           | 364,000*                                        | 364,000*                           | 364,000*                                        | 364,000*                           | 348,400*                                        | 348,400*                           | 332,500*                                        | 332,500*                           | 13                    |
| 14                    | 78.8                 | 49.8                           | 354,900*                                        | 354,900*                           | 340,000*                                        | 340,000*                           | 325,100*                                        | 325,100*                           | 310,200*                                        | 310,200*                           | 14                    |
| 15                    | 77.4                 | 49.6                           | 332,600*                                        | 332,600*                           | 318,600*                                        | 318,600*                           | 304,600*                                        | 304,600*                           | 290,600*                                        | 290,600*                           | 15                    |
| 16                    | 76.0                 | 49.3                           | 312,800*                                        | 312,800*                           | 299,600*                                        | 299,600*                           | 286,400*                                        | 286,400*                           | 273,200*                                        | 273,200*                           | 16                    |
| 17                    | 74.6                 | 48.9                           | 295,200*                                        | 295,200*                           | 282,700*                                        | 282,700*                           | 270,200*                                        | 270,200*                           | 257,700*                                        | 257,700*                           | 17                    |
| 18                    | 73.1                 | 48.6                           | 279,400*                                        | 279,400*                           | 267,500*                                        | 267,500*                           | 255,700*                                        | 255,700*                           | 243,800*                                        | 243,800*                           | 18                    |
| 19                    | 71.7                 | 48.2                           | 265,100*                                        | 265,100*                           | 253,800*                                        | 253,800*                           | 242,500*                                        | 242,500*                           | 231,000*                                        | 231,000*                           | 19                    |
| 20                    | 70.2                 | 47.8                           | 252,100*                                        | 252,100*                           | 241,400*                                        | 241,400*                           | 230,600*                                        | 230,600*                           | 218,000*                                        | 218,000*                           | 20                    |
| 22                    | 67.2                 | 46.9                           | 229,500*                                        | 229,500*                           | 219,700*                                        | 219,700*                           | 208,600*                                        | 208,600*                           | 195,700*                                        | 195,700*                           | 22                    |
| 24                    | 64.1                 | 45.8                           | 210,400*                                        | 210,400*                           | 200,900*                                        | 200,900*                           | 189,100*                                        | 189,100*                           | 177,300*                                        | 177,300*                           | 24                    |
| 26                    | 61.0                 | 44.6                           | 194,100*                                        | 194,100*                           | 183,500*                                        | 183,500*                           | 172,700*                                        | 172,700*                           | 161,900*                                        | 161,900*                           | 26                    |
| 28                    | 57.7                 | 43.3                           | 178,800*                                        | 178,800*                           | 168,800*                                        | 168,800*                           | 158,800*                                        | 158,800*                           | 148,800*                                        | 148,800*                           | 28                    |
| 30                    | 54.2                 | 41.8                           | 165,400*                                        | 165,400*                           | 156,100*                                        | 156,100*                           | 146,800*                                        | 146,800*                           | 136,700*                                        | 137,500*                           | 30                    |
| 32                    | 50.6                 | 40.0                           | 153,700*                                        | 153,700*                           | 145,000*                                        | 145,000*                           | 136,300*                                        | 136,300*                           | 122,000*                                        | 127,600*                           | 32                    |
| 34                    | 46.8                 | 38.1                           | 143,400*                                        | 143,400*                           | 135,200*                                        | 135,200*                           | 127,100*                                        | 127,100*                           | 109,900*                                        | 118,900*                           | 34                    |
| 36                    | 42.7                 | 35.8                           | 134,300*                                        | 134,300*                           | 126,600*                                        | 126,600*                           | 117,100*                                        | 118,900*                           | 99,700*                                         | 111,200*                           | 36                    |
| 38                    | 38.2                 | 33.2                           | 126,100*                                        | 126,100*                           | 118,800*                                        | 118,800*                           | 107,100*                                        | 111,600*                           | 91,000*                                         | 104,300*                           | 38                    |
| 40                    | 33.1                 | 30.0                           | 118,800*                                        | 118,800*                           | 111,900*                                        | 111,900*                           | 98,400*                                         | 105,000*                           | 83,400*                                         | 98,100*                            | 40                    |
| 45                    | 12.7                 | 16.0                           | 98,200*                                         | 98,200*                            | 93,500*                                         | 96,900*                            | 80,800*                                         | 90,800*                            | 68,000*                                         | 84,700*                            | 45                    |

# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**  
**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets  
ANSI B30.5  
Requirements



## 42.5 Ft. Boom



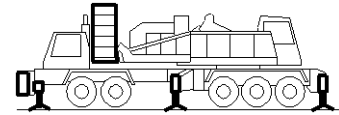
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 27,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 10,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 0 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|--------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds     | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 12                    | 81.6                 | 50.3                           | 341,000*                                        | 341,000*                           | 323,800*                                        | 323,800*                           | 313,400*                                   | 313,400*                           | 12                    |
| 13                    | 80.2                 | 50.1                           | 316,500*                                        | 316,500*                           | 300,600*                                        | 300,600*                           | 290,900*                                   | 290,900*                           | 13                    |
| 14                    | 78.8                 | 49.8                           | 295,300*                                        | 295,300*                           | 280,300*                                        | 280,300*                           | 271,300*                                   | 271,300*                           | 14                    |
| 15                    | 77.4                 | 49.6                           | 276,600*                                        | 276,600*                           | 262,600*                                        | 262,600*                           | 251,200*                                   | 251,200*                           | 15                    |
| 16                    | 76.0                 | 49.3                           | 260,000*                                        | 260,000*                           | 244,400*                                        | 244,400*                           | 233,300*                                   | 233,300*                           | 16                    |
| 17                    | 74.6                 | 48.9                           | 245,000*                                        | 245,000*                           | 228,000*                                        | 228,000*                           | 217,700*                                   | 217,700*                           | 17                    |
| 18                    | 73.1                 | 48.6                           | 229,600*                                        | 229,600*                           | 213,600*                                        | 213,600*                           | 203,900*                                   | 203,900*                           | 18                    |
| 19                    | 71.7                 | 48.2                           | 216,000*                                        | 216,000*                           | 200,900*                                        | 200,900*                           | 191,700*                                   | 191,700*                           | 19                    |
| 20                    | 70.2                 | 47.8                           | 203,700*                                        | 203,700*                           | 189,500*                                        | 189,500*                           | 180,800*                                   | 180,800*                           | 20                    |
| 22                    | 67.2                 | 46.9                           | 182,800*                                        | 182,800*                           | 169,600                                         | 169,900*                           | 145,000                                    | 162,100*                           | 22                    |
| 24                    | 64.1                 | 45.8                           | 165,600*                                        | 165,600*                           | 140,500                                         | 153,800*                           | 119,900                                    | 146,700*                           | 24                    |
| 26                    | 61.0                 | 44.6                           | 148,700                                         | 151,100*                           | 119,400                                         | 140,300*                           | 101,500                                    | 133,700*                           | 26                    |
| 28                    | 57.7                 | 43.3                           | 129,100                                         | 138,800*                           | 103,300                                         | 128,800*                           | 87,600                                     | 122,700*                           | 28                    |
| 30                    | 54.2                 | 41.8                           | 113,700                                         | 128,100*                           | 90,600                                          | 118,800*                           | 76,600                                     | 113,200*                           | 30                    |
| 32                    | 50.6                 | 40.0                           | 101,200                                         | 118,900*                           | 80,400                                          | 110,200*                           | 67,700                                     | 104,900*                           | 32                    |
| 34                    | 46.8                 | 38.1                           | 90,900                                          | 110,700*                           | 71,900                                          | 102,500*                           | 60,400                                     | 97,600*                            | 34                    |
| 36                    | 42.7                 | 35.8                           | 82,200                                          | 103,500*                           | 64,800                                          | 95,800*                            | 54,200                                     | 91,100*                            | 36                    |
| 38                    | 38.2                 | 33.2                           | 74,800                                          | 97,000*                            | 58,700                                          | 89,700*                            | 48,900                                     | 85,300*                            | 38                    |
| 40                    | 33.1                 | 30.0                           | 68,400                                          | 91,100*                            | 53,400                                          | 84,200*                            | 44,200                                     | 80,000*                            | 40                    |
| 45                    | 12.7                 | 16.0                           | 55,200                                          | 78,500*                            | 42,400                                          | 72,400*                            | 34,600                                     | 67,000                             | 45                    |

# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**  
**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets  
ANSI B30.5  
Requirements

**777T**



## 60 Ft. Boom

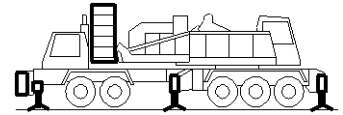


| Oper. Rad. Feet | Boom Ang. Deg. | Boom Point Elev. Feet | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                           | 78,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                           | 61,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                           | 44,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                           | Oper. Rad. Feet |
|-----------------|----------------|-----------------------|-------------------------------------------------|---------------------------|-------------------------------------------------|---------------------------|-------------------------------------------------|---------------------------|-------------------------------------------------|---------------------------|-----------------|
|                 |                |                       | Boom Capacity 360 Deg. Pounds                   | Boom Capacity Rear Pounds | Boom Capacity 360 Deg. Pounds                   | Boom Capacity Rear Pounds | Boom Capacity 360 Deg. Pounds                   | Boom Capacity Rear Pounds | Boom Capacity 360 Deg. Pounds                   | Boom Capacity Rear Pounds |                 |
| 13              | 83.2           | 68.4                  | 364,000*                                        | 364,000*                  |                                                 |                           |                                                 |                           |                                                 |                           | 13              |
| 14              | 82.2           | 68.2                  | 353,700*                                        | 353,700*                  | 338,900*                                        | 338,900*                  | 324,000*                                        | 324,000*                  | 309,100*                                        | 309,100*                  | 14              |
| 15              | 81.3           | 68.0                  | 331,600*                                        | 331,600*                  | 317,600*                                        | 317,600*                  | 303,500*                                        | 303,500*                  | 289,500*                                        | 289,500*                  | 15              |
| 16              | 80.3           | 67.8                  | 311,800*                                        | 311,800*                  | 298,600*                                        | 298,600*                  | 285,400*                                        | 285,400*                  | 272,200*                                        | 272,200*                  | 16              |
| 17              | 79.3           | 67.6                  | 294,300*                                        | 294,300*                  | 281,800*                                        | 281,800*                  | 269,300*                                        | 269,300*                  | 256,800*                                        | 256,800*                  | 17              |
| 18              | 78.3           | 67.4                  | 278,500*                                        | 278,500*                  | 266,600*                                        | 266,600*                  | 254,800*                                        | 254,800*                  | 242,900*                                        | 242,900*                  | 18              |
| 19              | 77.3           | 67.1                  | 264,200*                                        | 264,200*                  | 253,000*                                        | 253,000*                  | 241,700*                                        | 241,700*                  | 230,400*                                        | 230,400*                  | 19              |
| 20              | 76.4           | 66.8                  | 251,300*                                        | 251,300*                  | 240,600*                                        | 240,600*                  | 229,800*                                        | 229,800*                  | 217,600*                                        | 217,600*                  | 20              |
| 22              | 74.4           | 66.2                  | 228,800*                                        | 228,800*                  | 218,900*                                        | 218,900*                  | 208,300*                                        | 208,300*                  | 195,400*                                        | 195,400*                  | 22              |
| 24              | 72.3           | 65.5                  | 209,800*                                        | 209,800*                  | 200,600*                                        | 200,600*                  | 188,800*                                        | 188,800*                  | 177,000*                                        | 177,000*                  | 24              |
| 26              | 70.3           | 64.8                  | 193,500*                                        | 193,500*                  | 183,300*                                        | 183,300*                  | 172,500*                                        | 172,500*                  | 161,600*                                        | 161,600*                  | 26              |
| 28              | 68.2           | 63.9                  | 178,600*                                        | 178,600*                  | 168,600*                                        | 168,600*                  | 158,600*                                        | 158,600*                  | 148,600*                                        | 148,600*                  | 28              |
| 30              | 66.1           | 63.0                  | 165,200*                                        | 165,200*                  | 155,900*                                        | 155,900*                  | 146,600*                                        | 146,600*                  | 137,300*                                        | 137,300*                  | 30              |
| 32              | 64.0           | 61.9                  | 153,600*                                        | 153,600*                  | 144,900*                                        | 144,900*                  | 136,200*                                        | 136,200*                  | 123,800*                                        | 127,500*                  | 32              |
| 34              | 61.8           | 60.8                  | 143,400*                                        | 143,400*                  | 135,200*                                        | 135,200*                  | 127,000*                                        | 127,000*                  | 111,600*                                        | 118,800*                  | 34              |
| 36              | 59.5           | 59.6                  | 134,300*                                        | 134,300*                  | 126,600*                                        | 126,600*                  | 118,700*                                        | 118,900*                  | 101,300*                                        | 111,200*                  | 36              |
| 38              | 57.2           | 58.2                  | 126,200*                                        | 126,200*                  | 119,000*                                        | 119,000*                  | 108,700*                                        | 111,700*                  | 92,600*                                         | 104,400*                  | 38              |
| 40              | 54.9           | 56.8                  | 119,000*                                        | 119,000*                  | 112,100*                                        | 112,100*                  | 100,100*                                        | 105,200*                  | 85,100*                                         | 98,300*                   | 40              |
| 45              | 48.6           | 52.5                  | 103,800*                                        | 103,800*                  | 95,700*                                         | 97,600*                   | 83,000*                                         | 91,500*                   | 70,200*                                         | 85,400*                   | 45              |
| 50              | 41.6           | 47.1                  | 91,600*                                         | 91,600*                   | 81,300*                                         | 86,100*                   | 70,200*                                         | 80,600*                   | 59,100*                                         | 75,100*                   | 50              |
| 55              | 33.3           | 40.0                  | 80,000*                                         | 81,600*                   | 70,100*                                         | 76,600*                   | 60,300*                                         | 71,700*                   | 50,400*                                         | 66,700*                   | 55              |
| 60              | 22.1           | 29.4                  | 69,900*                                         | 73,200*                   | 61,000*                                         | 68,700*                   | 52,200*                                         | 64,100*                   | 43,400*                                         | 59,500*                   | 60              |

# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**  
**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets  
ANSI B30.5  
Requirements



## 60 Ft. Boom



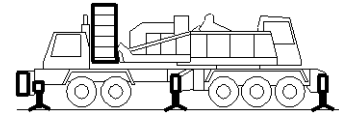
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 27,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 10,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 0 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|--------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds     | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 14                    | 82.2                 | 68.2                           | 294,200*                                        | 294,200*                           | 279,300*                                        | 279,300*                           | 270,200*                                   | 270,200*                           | 14                    |
| 15                    | 81.3                 | 68.0                           | 275,500*                                        | 275,500*                           | 261,500*                                        | 261,500*                           | 250,700*                                   | 250,700*                           | 15                    |
| 16                    | 80.3                 | 67.8                           | 259,000*                                        | 259,000*                           | 243,900*                                        | 243,900*                           | 232,800*                                   | 232,800*                           | 16                    |
| 17                    | 79.3                 | 67.6                           | 244,300*                                        | 244,300*                           | 227,600*                                        | 227,600*                           | 217,200*                                   | 217,200*                           | 17                    |
| 18                    | 78.3                 | 67.4                           | 229,200*                                        | 229,200*                           | 213,200*                                        | 213,200*                           | 203,500*                                   | 203,500*                           | 18                    |
| 19                    | 77.3                 | 67.1                           | 215,500*                                        | 215,500*                           | 200,500*                                        | 200,500*                           | 191,300*                                   | 191,300*                           | 19                    |
| 20                    | 76.4                 | 66.8                           | 203,300*                                        | 203,300*                           | 189,100*                                        | 189,100*                           | 180,400*                                   | 180,400*                           | 20                    |
| 22                    | 74.4                 | 66.2                           | 182,500*                                        | 182,500*                           | 169,600*                                        | 169,600*                           | 148,000                                    | 161,700*                           | 22                    |
| 24                    | 72.3                 | 65.5                           | 165,300*                                        | 165,300*                           | 143,100                                         | 153,500*                           | 122,400                                    | 146,300*                           | 24                    |
| 26                    | 70.3                 | 64.8                           | 150,800*                                        | 150,800*                           | 121,600                                         | 140,000*                           | 103,800                                    | 133,400*                           | 26                    |
| 28                    | 68.2                 | 63.9                           | 131,100                                         | 138,500*                           | 105,300                                         | 128,500*                           | 89,600                                     | 122,500*                           | 28                    |
| 30                    | 66.1                 | 63.0                           | 115,500                                         | 128,000*                           | 92,500                                          | 118,700*                           | 78,500                                     | 113,000*                           | 30                    |
| 32                    | 64.0                 | 61.9                           | 102,900                                         | 118,800*                           | 82,100                                          | 110,100*                           | 69,500                                     | 104,800*                           | 32                    |
| 34                    | 61.8                 | 60.8                           | 92,600                                          | 110,700*                           | 73,600                                          | 102,500*                           | 62,000                                     | 97,500*                            | 34                    |
| 36                    | 59.5                 | 59.6                           | 83,900                                          | 103,500*                           | 66,400                                          | 95,800*                            | 55,800                                     | 91,100*                            | 36                    |
| 38                    | 57.2                 | 58.2                           | 76,500                                          | 97,100*                            | 60,300                                          | 89,800*                            | 50,500                                     | 85,400*                            | 38                    |
| 40                    | 54.9                 | 56.8                           | 70,100                                          | 91,400*                            | 55,100                                          | 84,500*                            | 45,900                                     | 80,300*                            | 40                    |
| 45                    | 48.6                 | 52.5                           | 57,400                                          | 79,300*                            | 44,600                                          | 73,200*                            | 36,900                                     | 69,200                             | 45                    |
| 50                    | 41.6                 | 47.1                           | 47,900                                          | 69,600*                            | 36,800                                          | 64,100*                            | 30,000                                     | 58,200                             | 50                    |
| 55                    | 33.3                 | 40.0                           | 40,600                                          | 61,700*                            | 30,700                                          | 55,600                             | 24,700                                     | 49,600                             | 55                    |
| 60                    | 22.1                 | 29.4                           | 34,500                                          | 55,000*                            | 25,700                                          | 48,000                             | 20,300                                     | 42,600                             | 60                    |

# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**  
**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets  
ANSI B30.5  
Requirements

**777T**



## 70 Ft. Boom

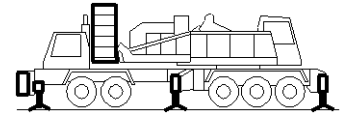


| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 78,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 61,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 44,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 15                    | 82.5                 | 78.2                           | 296,300*                                        | 296,300*                           | 296,300*                                        | 296,300*                           | 296,300*                                        | 296,300*                           | 290,100*                                        | 290,100*                           | 15                    |
| 16                    | 81.7                 | 78.0                           | 294,300*                                        | 294,300*                           | 294,300*                                        | 294,300*                           | 286,000*                                        | 286,000*                           | 272,800*                                        | 272,800*                           | 16                    |
| 17                    | 80.9                 | 77.8                           | 292,400*                                        | 292,400*                           | 282,400*                                        | 282,400*                           | 269,900*                                        | 269,900*                           | 257,400*                                        | 257,400*                           | 17                    |
| 18                    | 80.0                 | 77.6                           | 279,100*                                        | 279,100*                           | 267,200*                                        | 267,200*                           | 255,400*                                        | 255,400*                           | 243,500*                                        | 243,500*                           | 18                    |
| 19                    | 79.2                 | 77.4                           | 264,800*                                        | 264,800*                           | 253,600*                                        | 253,600*                           | 242,300*                                        | 242,300*                           | 231,000*                                        | 231,000*                           | 19                    |
| 20                    | 78.4                 | 77.2                           | 251,900*                                        | 251,900*                           | 241,200*                                        | 241,200*                           | 230,400*                                        | 230,400*                           | 218,400*                                        | 218,400*                           | 20                    |
| 22                    | 76.7                 | 76.6                           | 229,400*                                        | 229,400*                           | 219,600*                                        | 219,600*                           | 209,100*                                        | 209,100*                           | 196,200*                                        | 196,200*                           | 22                    |
| 24                    | 75.0                 | 76.1                           | 210,400*                                        | 210,400*                           | 201,400*                                        | 201,400*                           | 189,600*                                        | 189,600*                           | 177,900*                                        | 177,900*                           | 24                    |
| 26                    | 73.2                 | 75.4                           | 194,000*                                        | 194,000*                           | 184,100*                                        | 184,100*                           | 173,300*                                        | 173,300*                           | 162,500*                                        | 162,500*                           | 26                    |
| 28                    | 71.5                 | 74.7                           | 179,400*                                        | 179,400*                           | 169,400*                                        | 169,400*                           | 159,400*                                        | 159,400*                           | 149,400*                                        | 149,400*                           | 28                    |
| 30                    | 69.7                 | 73.9                           | 166,100*                                        | 166,100*                           | 156,800*                                        | 156,800*                           | 147,400*                                        | 147,400*                           | 138,100*                                        | 138,100*                           | 30                    |
| 32                    | 68.0                 | 73.1                           | 154,400*                                        | 154,400*                           | 145,700*                                        | 145,700*                           | 137,000*                                        | 137,000*                           | 125,500                                         | 128,300*                           | 32                    |
| 34                    | 66.2                 | 72.1                           | 144,200*                                        | 144,200*                           | 136,100*                                        | 136,100*                           | 127,900*                                        | 127,900*                           | 113,200                                         | 119,700*                           | 34                    |
| 36                    | 64.3                 | 71.1                           | 135,200*                                        | 135,200*                           | 127,500*                                        | 127,500*                           | 119,800*                                        | 119,800*                           | 102,900                                         | 112,100*                           | 36                    |
| 38                    | 62.5                 | 70.0                           | 127,100*                                        | 127,100*                           | 119,900*                                        | 119,900*                           | 110,300                                         | 112,600*                           | 94,200                                          | 105,300*                           | 38                    |
| 40                    | 60.6                 | 68.9                           | 119,900*                                        | 119,900*                           | 113,000*                                        | 113,000*                           | 101,700                                         | 106,100*                           | 86,700                                          | 99,200*                            | 40                    |
| 45                    | 55.6                 | 65.5                           | 104,700*                                        | 104,700*                           | 97,300                                          | 98,600*                            | 84,500                                          | 92,500*                            | 71,700                                          | 86,400*                            | 45                    |
| 50                    | 50.4                 | 61.5                           | 92,600*                                         | 92,600*                            | 82,900                                          | 87,100*                            | 71,700                                          | 81,600*                            | 60,600                                          | 76,100*                            | 50                    |
| 55                    | 44.6                 | 56.6                           | 81,600                                          | 82,700*                            | 71,700                                          | 77,700*                            | 61,900                                          | 72,800*                            | 52,000                                          | 67,800*                            | 55                    |
| 60                    | 38.2                 | 50.5                           | 71,600                                          | 74,500*                            | 62,800                                          | 69,900*                            | 54,000                                          | 65,400*                            | 45,100                                          | 60,800*                            | 60                    |
| 65                    | 30.6                 | 42.6                           | 63,500                                          | 67,500*                            | 55,500                                          | 63,300*                            | 47,500                                          | 59,100*                            | 39,500                                          | 54,900*                            | 65                    |
| 70                    | 20.3                 | 31.1                           | 56,600                                          | 61,400*                            | 49,300                                          | 57,500*                            | 41,900                                          | 53,600*                            | 34,600                                          | 49,700*                            | 70                    |

# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**  
**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets  
ANSI B30.5  
Requirements



## 70 Ft. Boom



| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 27,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 10,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 0 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|--------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds     | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 15                    | 82.5                 | 78.2                           | 276,100*                                        | 276,100*                           | 262,100*                                        | 262,100*                           | 251,500*                                   | 251,500*                           | 15                    |
| 16                    | 81.7                 | 78.0                           | 259,600*                                        | 259,600*                           | 244,700*                                        | 244,700*                           | 233,600*                                   | 233,600*                           | 16                    |
| 17                    | 80.9                 | 77.8                           | 244,900*                                        | 244,900*                           | 228,400*                                        | 228,400*                           | 218,000*                                   | 218,000*                           | 17                    |
| 18                    | 80.0                 | 77.6                           | 230,000*                                        | 230,000*                           | 214,000*                                        | 214,000*                           | 204,300*                                   | 204,300*                           | 18                    |
| 19                    | 79.2                 | 77.4                           | 216,300*                                        | 216,300*                           | 201,300*                                        | 201,300*                           | 192,100*                                   | 192,100*                           | 19                    |
| 20                    | 78.4                 | 77.2                           | 204,200*                                        | 204,200*                           | 189,900*                                        | 189,900*                           | 181,200*                                   | 181,200*                           | 20                    |
| 22                    | 76.7                 | 76.6                           | 183,300*                                        | 183,300*                           | 170,400*                                        | 170,400*                           | 150,300                                    | 162,500*                           | 22                    |
| 24                    | 75.0                 | 76.1                           | 166,100*                                        | 166,100*                           | 145,200                                         | 154,300*                           | 124,500                                    | 147,200*                           | 24                    |
| 26                    | 73.2                 | 75.4                           | 151,700*                                        | 151,700*                           | 123,600                                         | 140,900*                           | 105,700                                    | 134,300*                           | 26                    |
| 28                    | 71.5                 | 74.7                           | 133,000                                         | 139,400*                           | 107,200                                         | 129,400*                           | 91,400                                     | 123,300*                           | 28                    |
| 30                    | 69.7                 | 73.9                           | 117,300                                         | 128,800*                           | 94,300                                          | 119,500*                           | 80,200                                     | 113,900*                           | 30                    |
| 32                    | 68.0                 | 73.1                           | 104,600                                         | 119,600*                           | 83,800                                          | 110,900*                           | 71,200                                     | 105,600*                           | 32                    |
| 34                    | 66.2                 | 72.1                           | 94,200                                          | 111,500*                           | 75,300                                          | 103,400*                           | 63,700                                     | 98,400*                            | 34                    |
| 36                    | 64.3                 | 71.1                           | 85,500                                          | 104,400*                           | 68,100                                          | 96,700*                            | 57,400                                     | 92,000*                            | 36                    |
| 38                    | 62.5                 | 70.0                           | 78,100                                          | 98,000*                            | 61,900                                          | 90,700*                            | 52,100                                     | 86,300*                            | 38                    |
| 40                    | 60.6                 | 68.9                           | 71,600                                          | 92,300*                            | 56,600                                          | 85,400*                            | 47,500                                     | 81,200*                            | 40                    |
| 45                    | 55.6                 | 65.5                           | 58,900                                          | 80,200*                            | 46,200                                          | 74,100*                            | 38,400                                     | 70,400*                            | 45                    |
| 50                    | 50.4                 | 61.5                           | 49,500                                          | 70,600*                            | 38,400                                          | 65,200*                            | 31,600                                     | 59,700                             | 50                    |
| 55                    | 44.6                 | 56.6                           | 42,200                                          | 62,800*                            | 32,300                                          | 57,200                             | 26,300                                     | 51,200                             | 55                    |
| 60                    | 38.2                 | 50.5                           | 36,300                                          | 56,300*                            | 27,400                                          | 49,800                             | 22,100                                     | 44,400                             | 60                    |
| 65                    | 30.6                 | 42.6                           | 31,400                                          | 50,700*                            | 23,400                                          | 43,700                             | 18,500                                     | 38,700                             | 65                    |
| 70                    | 20.3                 | 31.1                           | 27,300                                          | 45,800*                            | 20,000                                          | 38,500                             | 15,500                                     | 34,000                             | 70                    |

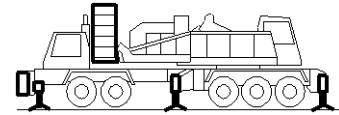
# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**

**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets  
ANSI B30.5  
Requirements

**777T**



## 80 Ft. Boom

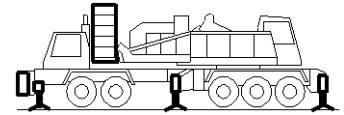


| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 78,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 61,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 44,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 16                    | 82.7                 | 88.1                           | 280,600*                                        | 280,600*                           | 280,600*                                        | 280,600*                           | 280,600*                                        | 280,600*                           | 272,600*                                        | 272,600*                           | 16                    |
| 17                    | 82.0                 | 88.0                           | 278,500*                                        | 278,500*                           | 278,500*                                        | 278,500*                           | 269,700*                                        | 269,700*                           | 257,200*                                        | 257,200*                           | 17                    |
| 18                    | 81.3                 | 87.8                           | 276,500*                                        | 276,500*                           | 267,100*                                        | 267,100*                           | 255,200*                                        | 255,200*                           | 243,400*                                        | 243,400*                           | 18                    |
| 19                    | 80.6                 | 87.6                           | 264,700*                                        | 264,700*                           | 253,400*                                        | 253,400*                           | 242,200*                                        | 242,200*                           | 230,900*                                        | 230,900*                           | 19                    |
| 20                    | 79.8                 | 87.4                           | 251,800*                                        | 251,800*                           | 241,000*                                        | 241,000*                           | 230,300*                                        | 230,300*                           | 218,400*                                        | 218,400*                           | 20                    |
| 22                    | 78.4                 | 87.0                           | 229,300*                                        | 229,300*                           | 219,500*                                        | 219,500*                           | 209,100*                                        | 209,100*                           | 196,200*                                        | 196,200*                           | 22                    |
| 24                    | 76.9                 | 86.4                           | 210,300*                                        | 210,300*                           | 201,200*                                        | 201,200*                           | 189,600*                                        | 189,600*                           | 177,900*                                        | 177,900*                           | 24                    |
| 26                    | 75.4                 | 85.9                           | 194,100*                                        | 194,100*                           | 184,100*                                        | 184,100*                           | 173,300*                                        | 173,300*                           | 162,500*                                        | 162,500*                           | 26                    |
| 28                    | 73.9                 | 85.3                           | 179,400*                                        | 179,400*                           | 169,400*                                        | 169,400*                           | 159,400*                                        | 159,400*                           | 149,400*                                        | 149,400*                           | 28                    |
| 30                    | 72.4                 | 84.6                           | 166,100*                                        | 166,100*                           | 156,800*                                        | 156,800*                           | 147,400*                                        | 147,400*                           | 138,100*                                        | 138,100*                           | 30                    |
| 32                    | 70.9                 | 83.9                           | 154,400*                                        | 154,400*                           | 145,700*                                        | 145,700*                           | 137,000*                                        | 137,000*                           | 126,100                                         | 128,300*                           | 32                    |
| 34                    | 69.3                 | 83.1                           | 144,200*                                        | 144,200*                           | 136,100*                                        | 136,100*                           | 127,900*                                        | 127,900*                           | 113,800                                         | 119,700*                           | 34                    |
| 36                    | 67.8                 | 82.2                           | 135,200*                                        | 135,200*                           | 127,500*                                        | 127,500*                           | 119,800*                                        | 119,800*                           | 103,500                                         | 112,100*                           | 36                    |
| 38                    | 66.2                 | 81.3                           | 127,200*                                        | 127,200*                           | 119,900*                                        | 119,900*                           | 110,800                                         | 112,600*                           | 94,700                                          | 105,300*                           | 38                    |
| 40                    | 64.6                 | 80.3                           | 119,900*                                        | 119,900*                           | 113,000*                                        | 113,000*                           | 102,100                                         | 106,100*                           | 87,100                                          | 99,200*                            | 40                    |
| 45                    | 60.5                 | 77.5                           | 104,700*                                        | 104,700*                           | 97,700                                          | 98,600*                            | 84,900                                          | 92,500*                            | 72,200                                          | 86,400*                            | 45                    |
| 50                    | 56.2                 | 74.2                           | 92,700*                                         | 92,700*                            | 83,300                                          | 87,200*                            | 72,100                                          | 81,700*                            | 61,000                                          | 76,200*                            | 50                    |
| 55                    | 51.7                 | 70.3                           | 82,000                                          | 82,800*                            | 72,100                                          | 77,800*                            | 62,300                                          | 72,800*                            | 52,400                                          | 67,900*                            | 55                    |
| 60                    | 46.8                 | 65.8                           | 72,100                                          | 74,600*                            | 63,200                                          | 70,000*                            | 54,400                                          | 65,500*                            | 45,600                                          | 60,900*                            | 60                    |
| 65                    | 41.5                 | 60.3                           | 64,000                                          | 67,700*                            | 56,000                                          | 63,500*                            | 48,000                                          | 59,300*                            | 39,900                                          | 55,100*                            | 65                    |
| 70                    | 35.5                 | 53.6                           | 57,200                                          | 61,700*                            | 49,900                                          | 57,800*                            | 42,600                                          | 53,900*                            | 35,200                                          | 50,000*                            | 70                    |
| 75                    | 28.4                 | 45.0                           | 51,500                                          | 56,500*                            | 44,700                                          | 52,900*                            | 38,000                                          | 49,300*                            | 31,200                                          | 45,600*                            | 75                    |
| 80                    | 18.8                 | 32.6                           | 46,500                                          | 51,900*                            | 40,200                                          | 48,500*                            | 34,000                                          | 45,100*                            | 27,700                                          | 41,700*                            | 80                    |

# Liftcrane Boom Capacities

Boom No. 78TA With Heavy Lift Top  
0 Lb. to 95,400 Lb. Crane Counterweight  
With 25,000 Lb. Front Bumper Counterweight  
Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets  
ANSI B30.5  
Requirements



## 80 Ft. Boom

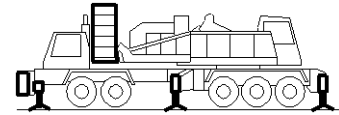
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 27,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 10,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 0 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|--------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds     | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 16                    | 82.7                 | 88.1                           | 259,400*                                        | 259,400*                           | 244,700*                                        | 244,700*                           | 233,700*                                   | 233,700*                           | 16                    |
| 17                    | 82.0                 | 88.0                           | 244,700*                                        | 244,700*                           | 228,400*                                        | 228,400*                           | 218,100*                                   | 218,100*                           | 17                    |
| 18                    | 81.3                 | 87.8                           | 230,000*                                        | 230,000*                           | 214,000*                                        | 214,000*                           | 204,300*                                   | 204,300*                           | 18                    |
| 19                    | 80.6                 | 87.6                           | 216,400*                                        | 216,400*                           | 201,300*                                        | 201,300*                           | 192,100*                                   | 192,100*                           | 19                    |
| 20                    | 79.8                 | 87.4                           | 204,200*                                        | 204,200*                           | 189,900*                                        | 189,900*                           | 181,200*                                   | 181,200*                           | 20                    |
| 22                    | 78.4                 | 87.0                           | 183,300*                                        | 183,300*                           | 170,400*                                        | 170,400*                           | 151,500                                    | 162,600*                           | 22                    |
| 24                    | 76.9                 | 86.4                           | 166,100*                                        | 166,100*                           | 146,200                                         | 154,300*                           | 125,500                                    | 147,200*                           | 24                    |
| 26                    | 75.4                 | 85.9                           | 151,700*                                        | 151,700*                           | 124,500                                         | 140,900*                           | 106,600                                    | 134,300*                           | 26                    |
| 28                    | 73.9                 | 85.3                           | 133,800                                         | 139,400*                           | 108,000                                         | 129,400*                           | 92,200                                     | 123,300*                           | 28                    |
| 30                    | 72.4                 | 84.6                           | 118,000                                         | 128,800*                           | 95,000                                          | 119,500*                           | 80,900                                     | 113,900*                           | 30                    |
| 32                    | 70.9                 | 83.9                           | 105,300                                         | 119,600*                           | 84,500                                          | 110,900*                           | 71,800                                     | 105,600*                           | 32                    |
| 34                    | 69.3                 | 83.1                           | 94,800                                          | 111,500*                           | 75,800                                          | 103,400*                           | 64,300                                     | 98,400*                            | 34                    |
| 36                    | 67.8                 | 82.2                           | 86,000                                          | 104,400*                           | 68,600                                          | 96,700*                            | 58,000                                     | 92,000*                            | 36                    |
| 38                    | 66.2                 | 81.3                           | 78,600                                          | 98,000*                            | 62,400                                          | 90,700*                            | 52,600                                     | 86,300*                            | 38                    |
| 40                    | 64.6                 | 80.3                           | 72,100                                          | 92,300*                            | 57,100                                          | 85,400*                            | 48,000                                     | 81,200*                            | 40                    |
| 45                    | 60.5                 | 77.5                           | 59,400                                          | 80,300*                            | 46,600                                          | 74,200*                            | 38,800                                     | 70,400*                            | 45                    |
| 50                    | 56.2                 | 74.2                           | 49,900                                          | 70,700*                            | 38,800                                          | 65,200*                            | 32,000                                     | 60,100                             | 50                    |
| 55                    | 51.7                 | 70.3                           | 42,600                                          | 62,900*                            | 32,700                                          | 57,700                             | 26,700                                     | 51,600                             | 55                    |
| 60                    | 46.8                 | 65.8                           | 36,700                                          | 56,400*                            | 27,900                                          | 50,200                             | 22,500                                     | 44,800                             | 60                    |
| 65                    | 41.5                 | 60.3                           | 31,900                                          | 50,900*                            | 23,900                                          | 44,200                             | 19,000                                     | 39,200                             | 65                    |
| 70                    | 35.5                 | 53.6                           | 27,900                                          | 46,100*                            | 20,600                                          | 39,100                             | 16,100                                     | 34,600                             | 70                    |
| 75                    | 28.4                 | 45.0                           | 24,500                                          | 41,600                             | 17,700                                          | 34,800                             | 13,600                                     | 30,600                             | 75                    |
| 80                    | 18.8                 | 32.6                           | 21,400                                          | 37,300                             | 15,200                                          | 31,000                             | 11,300                                     | 27,100                             | 80                    |

# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**  
**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets  
ANSI B30.5  
Requirements

**777T**



## 90 Ft. Boom

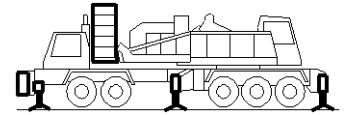


| Oper. Rad. Feet | Boom Ang. Deg. | Boom Point Elev. Feet | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                           | 78,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                           | 61,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                           | 44,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                           | Oper. Rad. Feet |
|-----------------|----------------|-----------------------|-------------------------------------------------|---------------------------|-------------------------------------------------|---------------------------|-------------------------------------------------|---------------------------|-------------------------------------------------|---------------------------|-----------------|
|                 |                |                       | Boom Capacity 360 Deg. Pounds                   | Boom Capacity Rear Pounds | Boom Capacity 360 Deg. Pounds                   | Boom Capacity Rear Pounds | Boom Capacity 360 Deg. Pounds                   | Boom Capacity Rear Pounds | Boom Capacity 360 Deg. Pounds                   | Boom Capacity Rear Pounds |                 |
| 17              | 82.9           | 98.1                  | 272,800*                                        | 272,800*                  | 272,800*                                        | 272,800*                  | 269,300*                                        | 269,300*                  | 256,800*                                        | 256,800*                  | 17              |
| 18              | 82.3           | 97.9                  | 263,000*                                        | 263,000*                  | 263,000*                                        | 263,000*                  | 254,900*                                        | 254,900*                  | 243,000*                                        | 243,000*                  | 18              |
| 19              | 81.6           | 97.8                  | 253,800*                                        | 253,800*                  | 253,100*                                        | 253,100*                  | 241,800*                                        | 241,800*                  | 230,500*                                        | 230,500*                  | 19              |
| 20              | 81.0           | 97.6                  | 245,200*                                        | 245,200*                  | 240,700*                                        | 240,700*                  | 229,900*                                        | 229,900*                  | 218,200*                                        | 218,200*                  | 20              |
| 22              | 79.7           | 97.2                  | 228,900*                                        | 228,900*                  | 219,100*                                        | 219,100*                  | 208,900*                                        | 208,900*                  | 196,000*                                        | 196,000*                  | 22              |
| 24              | 78.4           | 96.8                  | 210,000*                                        | 210,000*                  | 200,900*                                        | 200,900*                  | 189,400*                                        | 189,400*                  | 177,600*                                        | 177,600*                  | 24              |
| 26              | 77.1           | 96.3                  | 193,700*                                        | 193,700*                  | 183,900*                                        | 183,900*                  | 173,100*                                        | 173,100*                  | 162,200*                                        | 162,200*                  | 26              |
| 28              | 75.7           | 95.7                  | 179,200*                                        | 179,200*                  | 169,200*                                        | 169,200*                  | 159,200*                                        | 159,200*                  | 149,200*                                        | 149,200*                  | 28              |
| 30              | 74.4           | 95.1                  | 165,800*                                        | 165,800*                  | 156,500*                                        | 156,500*                  | 147,200*                                        | 147,200*                  | 137,900*                                        | 137,900*                  | 30              |
| 32              | 73.1           | 94.5                  | 154,200*                                        | 154,200*                  | 145,500*                                        | 145,500*                  | 136,800*                                        | 136,800*                  | 126,400*                                        | 128,100*                  | 32              |
| 34              | 71.7           | 93.8                  | 144,000*                                        | 144,000*                  | 135,800*                                        | 135,800*                  | 127,700*                                        | 127,700*                  | 114,100                                         | 119,500*                  | 34              |
| 36              | 70.4           | 93.0                  | 135,000*                                        | 135,000*                  | 127,300*                                        | 127,300*                  | 119,600*                                        | 119,600*                  | 103,700                                         | 111,900*                  | 36              |
| 38              | 69.0           | 92.2                  | 126,900*                                        | 126,900*                  | 119,600*                                        | 119,600*                  | 111,000                                         | 112,400*                  | 94,900                                          | 105,100*                  | 38              |
| 40              | 67.6           | 91.4                  | 119,700*                                        | 119,700*                  | 112,800*                                        | 112,800*                  | 102,300                                         | 105,900*                  | 87,300                                          | 99,000*                   | 40              |
| 45              | 64.1           | 89.0                  | 104,500*                                        | 104,500*                  | 97,800                                          | 98,400*                   | 85,100                                          | 92,300*                   | 72,300                                          | 86,200*                   | 45              |
| 50              | 60.4           | 86.2                  | 92,500*                                         | 92,500*                   | 83,400                                          | 87,000*                   | 72,200                                          | 81,500*                   | 61,100                                          | 76,000*                   | 50              |
| 55              | 56.6           | 82.9                  | 82,000                                          | 82,600*                   | 72,200                                          | 77,600*                   | 62,300                                          | 72,700*                   | 52,500                                          | 67,700*                   | 55              |
| 60              | 52.7           | 79.2                  | 72,100                                          | 74,400*                   | 63,300                                          | 69,900*                   | 54,500                                          | 65,300*                   | 45,600                                          | 60,800*                   | 60              |
| 65              | 48.5           | 74.8                  | 64,100                                          | 67,500*                   | 56,100                                          | 63,300*                   | 48,000                                          | 59,100*                   | 40,000                                          | 54,900*                   | 65              |
| 70              | 43.9           | 69.8                  | 57,300                                          | 61,600*                   | 50,000                                          | 57,700*                   | 42,700                                          | 53,800*                   | 35,400                                          | 49,900*                   | 70              |
| 75              | 39.0           | 63.8                  | 51,700                                          | 56,500*                   | 44,900                                          | 52,800*                   | 38,100                                          | 49,200*                   | 31,400                                          | 45,600*                   | 75              |
| 80              | 33.4           | 56.6                  | 46,800                                          | 51,900*                   | 40,500                                          | 48,500*                   | 34,200                                          | 45,100*                   | 28,000                                          | 41,700*                   | 80              |
| 85              | 26.7           | 47.3                  | 42,500                                          | 47,900*                   | 36,700                                          | 44,700*                   | 30,800                                          | 41,500*                   | 25,000                                          | 38,300*                   | 85              |
| 90              | 17.6           | 34.1                  | 38,700                                          | 44,300*                   | 33,200                                          | 41,300*                   | 27,700                                          | 38,300*                   | 22,300                                          | 35,200*                   | 90              |

# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**  
**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets  
ANSI B30.5  
Requirements



## 90 Ft. Boom



| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 27,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 10,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 0 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|--------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds     | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 17                    | 82.9                 | 98.1                           | 244,400*                                        | 244,400*                           | 228,200*                                        | 228,200*                           | 217,900*                                   | 217,900*                           | 17                    |
| 18                    | 82.3                 | 97.9                           | 229,800*                                        | 229,800*                           | 213,800*                                        | 213,800*                           | 204,100*                                   | 204,100*                           | 18                    |
| 19                    | 81.6                 | 97.8                           | 216,100*                                        | 216,100*                           | 201,100*                                        | 201,100*                           | 191,900*                                   | 191,900*                           | 19                    |
| 20                    | 81.0                 | 97.6                           | 203,900*                                        | 203,900*                           | 189,700*                                        | 189,700*                           | 181,000*                                   | 181,000*                           | 20                    |
| 22                    | 79.7                 | 97.2                           | 183,100*                                        | 183,100*                           | 170,200*                                        | 170,200*                           | 152,400                                    | 162,300*                           | 22                    |
| 24                    | 78.4                 | 96.8                           | 165,900*                                        | 165,900*                           | 146,900                                         | 154,100*                           | 126,200                                    | 146,900*                           | 24                    |
| 26                    | 77.1                 | 96.3                           | 151,400*                                        | 151,400*                           | 125,000                                         | 140,600*                           | 107,200                                    | 134,000*                           | 26                    |
| 28                    | 75.7                 | 95.7                           | 134,200                                         | 139,200*                           | 108,400                                         | 129,200*                           | 92,700                                     | 123,100*                           | 28                    |
| 30                    | 74.4                 | 95.1                           | 118,400                                         | 128,600*                           | 95,300                                          | 119,300*                           | 81,300                                     | 113,600*                           | 30                    |
| 32                    | 73.1                 | 94.5                           | 105,600                                         | 119,400*                           | 84,800                                          | 110,700*                           | 72,100                                     | 105,400*                           | 32                    |
| 34                    | 71.7                 | 93.8                           | 95,100                                          | 111,300*                           | 76,100                                          | 103,100*                           | 64,600                                     | 98,200*                            | 34                    |
| 36                    | 70.4                 | 93.0                           | 86,300                                          | 104,200*                           | 68,800                                          | 96,500*                            | 58,200                                     | 91,800*                            | 36                    |
| 38                    | 69.0                 | 92.2                           | 78,800                                          | 97,800*                            | 62,600                                          | 90,500*                            | 52,800                                     | 86,100*                            | 38                    |
| 40                    | 67.6                 | 91.4                           | 72,300                                          | 92,100*                            | 57,300                                          | 85,200*                            | 48,200                                     | 81,000*                            | 40                    |
| 45                    | 64.1                 | 89.0                           | 59,500                                          | 80,100*                            | 46,700                                          | 73,900*                            | 38,900                                     | 70,200*                            | 45                    |
| 50                    | 60.4                 | 86.2                           | 50,000                                          | 70,500*                            | 38,900                                          | 65,000*                            | 32,100                                     | 60,200                             | 50                    |
| 55                    | 56.6                 | 82.9                           | 42,600                                          | 62,700*                            | 32,800                                          | 57,700*                            | 26,800                                     | 51,700                             | 55                    |
| 60                    | 52.7                 | 79.2                           | 36,800                                          | 56,200*                            | 28,000                                          | 50,300                             | 22,600                                     | 44,900                             | 60                    |
| 65                    | 48.5                 | 74.8                           | 32,000                                          | 50,700*                            | 24,000                                          | 44,300                             | 19,100                                     | 39,300                             | 65                    |
| 70                    | 43.9                 | 69.8                           | 28,000                                          | 46,000*                            | 20,700                                          | 39,200                             | 16,200                                     | 34,700                             | 70                    |
| 75                    | 39.0                 | 63.8                           | 24,600                                          | 41,700                             | 17,900                                          | 34,900                             | 13,800                                     | 30,800                             | 75                    |
| 80                    | 33.4                 | 56.6                           | 21,700                                          | 37,600                             | 15,400                                          | 31,200                             | 11,600                                     | 27,400                             | 80                    |
| 85                    | 26.7                 | 47.3                           | 19,100                                          | 33,900                             | 13,300                                          | 28,000                             | 9,700                                      | 24,400                             | 85                    |
| 90                    | 17.6                 | 34.1                           | 16,800                                          | 30,600                             | 11,300                                          | 25,100                             | 8,000                                      | 21,800                             | 90                    |

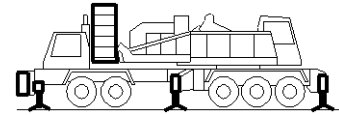
# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**

**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets  
ANSI B30.5  
Requirements

**777T**



## 100 Ft. Boom

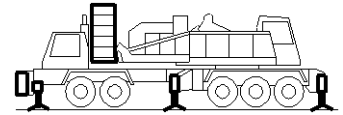


| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 78,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 61,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 44,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 18                    | 83.0                 | 108.1                          | 238,400*                                        | 238,400*                           | 238,400*                                        | 238,400*                           | 238,400*                                        | 238,400*                           | 238,400*                                        | 238,400*                           | 18                    |
| 19                    | 82.5                 | 107.9                          | 230,600*                                        | 230,600*                           | 230,600*                                        | 230,600*                           | 230,600*                                        | 230,600*                           | 230,200*                                        | 230,200*                           | 19                    |
| 20                    | 81.9                 | 107.7                          | 223,100*                                        | 223,100*                           | 223,100*                                        | 223,100*                           | 223,100*                                        | 223,100*                           | 218,000*                                        | 218,000*                           | 20                    |
| 22                    | 80.7                 | 107.4                          | 209,500*                                        | 209,500*                           | 209,500*                                        | 209,500*                           | 208,700*                                        | 208,700*                           | 195,800*                                        | 195,800*                           | 22                    |
| 24                    | 79.6                 | 107.0                          | 197,300*                                        | 197,300*                           | 197,300*                                        | 197,300*                           | 189,200*                                        | 189,200*                           | 177,400*                                        | 177,400*                           | 24                    |
| 26                    | 78.4                 | 106.5                          | 186,300*                                        | 186,300*                           | 183,700*                                        | 183,700*                           | 172,900*                                        | 172,900*                           | 162,000*                                        | 162,000*                           | 26                    |
| 28                    | 77.2                 | 106.1                          | 176,400*                                        | 176,400*                           | 169,000*                                        | 169,000*                           | 159,000*                                        | 159,000*                           | 148,900*                                        | 148,900*                           | 28                    |
| 30                    | 76.0                 | 105.5                          | 165,600*                                        | 165,600*                           | 156,300*                                        | 156,300*                           | 147,000*                                        | 147,000*                           | 137,700*                                        | 137,700*                           | 30                    |
| 32                    | 74.8                 | 105.0                          | 154,000*                                        | 154,000*                           | 145,300*                                        | 145,300*                           | 136,600*                                        | 136,600*                           | 126,700                                         | 127,900*                           | 32                    |
| 34                    | 73.6                 | 104.3                          | 143,800*                                        | 143,800*                           | 135,600*                                        | 135,600*                           | 127,400*                                        | 127,400*                           | 114,300                                         | 119,300*                           | 34                    |
| 36                    | 72.4                 | 103.7                          | 134,800*                                        | 134,800*                           | 127,000*                                        | 127,000*                           | 119,300*                                        | 119,300*                           | 103,900                                         | 111,600*                           | 36                    |
| 38                    | 71.2                 | 103.0                          | 126,700*                                        | 126,700*                           | 119,400*                                        | 119,400*                           | 111,200                                         | 112,100*                           | 95,100                                          | 104,800*                           | 38                    |
| 40                    | 70.0                 | 102.2                          | 119,500*                                        | 119,500*                           | 112,600*                                        | 112,600*                           | 102,400                                         | 105,700*                           | 87,400                                          | 98,800*                            | 40                    |
| 45                    | 66.9                 | 100.1                          | 104,300*                                        | 104,300*                           | 97,900                                          | 98,200*                            | 85,100                                          | 92,100*                            | 72,400                                          | 86,000*                            | 45                    |
| 50                    | 63.7                 | 97.6                           | 92,200*                                         | 92,200*                            | 83,400                                          | 86,700*                            | 72,300                                          | 81,300*                            | 61,200                                          | 75,800*                            | 50                    |
| 55                    | 60.4                 | 94.8                           | 82,100                                          | 82,400*                            | 72,200                                          | 77,400*                            | 62,400                                          | 72,400*                            | 52,500                                          | 67,500*                            | 55                    |
| 60                    | 57.0                 | 91.6                           | 72,200                                          | 74,200*                            | 63,300                                          | 69,700*                            | 54,500                                          | 65,100*                            | 45,600                                          | 60,600*                            | 60                    |
| 65                    | 53.4                 | 88.0                           | 64,100                                          | 67,300*                            | 56,100                                          | 63,100*                            | 48,000                                          | 58,900*                            | 40,000                                          | 54,700*                            | 65                    |
| 70                    | 49.7                 | 83.8                           | 57,400                                          | 61,400*                            | 50,000                                          | 57,500*                            | 42,700                                          | 53,600*                            | 35,400                                          | 49,700*                            | 70                    |
| 75                    | 45.8                 | 79.0                           | 51,700                                          | 56,300*                            | 44,900                                          | 52,700*                            | 38,200                                          | 49,000*                            | 31,400                                          | 45,400*                            | 75                    |
| 80                    | 41.5                 | 73.5                           | 46,800                                          | 51,800*                            | 40,500                                          | 48,400*                            | 34,300                                          | 45,000*                            | 28,000                                          | 41,600*                            | 80                    |
| 85                    | 36.8                 | 67.1                           | 42,600                                          | 47,900*                            | 36,700                                          | 44,700*                            | 30,900                                          | 41,500*                            | 25,100                                          | 38,300*                            | 85                    |
| 90                    | 31.5                 | 59.3                           | 38,900                                          | 44,300*                            | 33,400                                          | 41,300*                            | 27,900                                          | 38,300*                            | 22,500                                          | 35,300*                            | 90                    |
| 95                    | 25.2                 | 49.5                           | 35,600                                          | 41,100*                            | 30,400                                          | 38,300*                            | 25,300                                          | 35,400*                            | 20,100                                          | 32,600*                            | 95                    |
| 100                   | 16.6                 | 35.4                           | 32,500                                          | 38,200*                            | 27,700                                          | 35,500*                            | 22,800                                          | 32,800*                            | 18,000                                          | 30,100*                            | 100                   |

# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**  
**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets  
ANSI B30.5  
Requirements



## 100 Ft. Boom

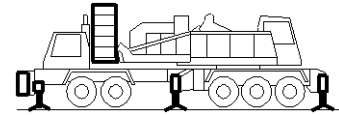


| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 27,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 10,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 0 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|--------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds     | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 18                    | 83.0                 | 108.1                          | 229,600*                                        | 229,600*                           | 213,600*                                        | 213,600*                           | 203,900*                                   | 203,900*                           | 18                    |
| 19                    | 82.5                 | 107.9                          | 216,000*                                        | 216,000*                           | 200,900*                                        | 200,900*                           | 191,700*                                   | 191,700*                           | 19                    |
| 20                    | 81.9                 | 107.7                          | 203,800*                                        | 203,800*                           | 189,500*                                        | 189,500*                           | 180,800*                                   | 180,800*                           | 20                    |
| 22                    | 80.7                 | 107.4                          | 182,900*                                        | 182,900*                           | 170,000*                                        | 170,000*                           | 153,200                                    | 162,100*                           | 22                    |
| 24                    | 79.6                 | 107.0                          | 165,700*                                        | 165,700*                           | 147,600                                         | 153,900*                           | 126,900                                    | 146,700*                           | 24                    |
| 26                    | 78.4                 | 106.5                          | 151,200*                                        | 151,200*                           | 125,600                                         | 140,400*                           | 107,700                                    | 133,800*                           | 26                    |
| 28                    | 77.2                 | 106.1                          | 134,600                                         | 138,900*                           | 108,800                                         | 128,900*                           | 93,100                                     | 122,900*                           | 28                    |
| 30                    | 76.0                 | 105.5                          | 118,700                                         | 128,400*                           | 95,700                                          | 119,100*                           | 81,600                                     | 113,400*                           | 30                    |
| 32                    | 74.8                 | 105.0                          | 105,900                                         | 119,200*                           | 85,100                                          | 110,500*                           | 72,400                                     | 105,200*                           | 32                    |
| 34                    | 73.6                 | 104.3                          | 95,300                                          | 111,100*                           | 76,300                                          | 102,900*                           | 64,800                                     | 97,900*                            | 34                    |
| 36                    | 72.4                 | 103.7                          | 86,500                                          | 103,900*                           | 69,000                                          | 96,200*                            | 58,400                                     | 91,600*                            | 36                    |
| 38                    | 71.2                 | 103.0                          | 78,900                                          | 97,600*                            | 62,800                                          | 90,300*                            | 53,000                                     | 85,900*                            | 38                    |
| 40                    | 70.0                 | 102.2                          | 72,400                                          | 91,800*                            | 57,400                                          | 84,900*                            | 48,300                                     | 80,700*                            | 40                    |
| 45                    | 66.9                 | 100.1                          | 59,600                                          | 79,800*                            | 46,800                                          | 73,700*                            | 39,000                                     | 70,000*                            | 45                    |
| 50                    | 63.7                 | 97.6                           | 50,000                                          | 70,300*                            | 38,900                                          | 64,800*                            | 32,100                                     | 60,300                             | 50                    |
| 55                    | 60.4                 | 94.8                           | 42,700                                          | 62,500*                            | 32,800                                          | 57,500*                            | 26,800                                     | 51,700                             | 55                    |
| 60                    | 57.0                 | 91.6                           | 36,800                                          | 56,000*                            | 28,000                                          | 50,300                             | 22,600                                     | 44,900                             | 60                    |
| 65                    | 53.4                 | 88.0                           | 32,000                                          | 50,500*                            | 24,000                                          | 44,300                             | 19,100                                     | 39,300                             | 65                    |
| 70                    | 49.7                 | 83.8                           | 28,000                                          | 45,900*                            | 20,700                                          | 39,200                             | 16,200                                     | 34,700                             | 70                    |
| 75                    | 45.8                 | 79.0                           | 24,700                                          | 41,800                             | 17,900                                          | 35,000                             | 13,800                                     | 30,800                             | 75                    |
| 80                    | 41.5                 | 73.5                           | 21,800                                          | 37,600                             | 15,500                                          | 31,300                             | 11,700                                     | 27,400                             | 80                    |
| 85                    | 36.8                 | 67.1                           | 19,200                                          | 34,000                             | 13,400                                          | 28,100                             | 9,800                                      | 24,500                             | 85                    |
| 90                    | 31.5                 | 59.3                           | 17,000                                          | 30,800                             | 11,500                                          | 25,300                             | 8,200                                      | 22,000                             | 90                    |
| 95                    | 25.2                 | 49.5                           | 15,000                                          | 28,000                             | 9,900                                           | 22,800                             | 6,700                                      | 19,600                             | 95                    |
| 100                   | 16.6                 | 35.4                           | 13,100                                          | 25,400                             | 8,300                                           | 20,500                             | 5,300                                      | 17,500                             | 100                   |

# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**  
**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets  
ANSI B30.5  
Requirements



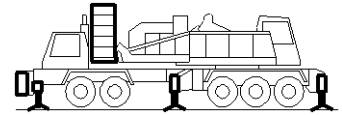
## 110 Ft. Boom

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 78,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 61,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 44,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 20                    | 82.6                 | 117.9                          | 206,400*                                        | 206,400*                           | 206,400*                                        | 206,400*                           | 206,400*                                        | 206,400*                           | 206,400*                                        | 206,400*                           | 20                    |
| 22                    | 81.6                 | 117.5                          | 194,400*                                        | 194,400*                           | 194,400*                                        | 194,400*                           | 194,400*                                        | 194,400*                           | 194,400*                                        | 194,400*                           | 22                    |
| 24                    | 80.5                 | 117.2                          | 183,500*                                        | 183,500*                           | 183,500*                                        | 183,500*                           | 183,500*                                        | 183,500*                           | 177,100*                                        | 177,100*                           | 24                    |
| 26                    | 79.5                 | 116.8                          | 173,700*                                        | 173,700*                           | 173,700*                                        | 173,700*                           | 172,500*                                        | 172,500*                           | 161,700*                                        | 161,700*                           | 26                    |
| 28                    | 78.4                 | 116.3                          | 164,800*                                        | 164,800*                           | 164,800*                                        | 164,800*                           | 158,600*                                        | 158,600*                           | 148,600*                                        | 148,600*                           | 28                    |
| 30                    | 77.3                 | 115.9                          | 156,700*                                        | 156,700*                           | 156,000*                                        | 156,000*                           | 146,700*                                        | 146,700*                           | 137,400*                                        | 137,400*                           | 30                    |
| 32                    | 76.2                 | 115.4                          | 149,200*                                        | 149,200*                           | 145,000*                                        | 145,000*                           | 136,300*                                        | 136,300*                           | 126,800                                         | 127,600*                           | 32                    |
| 34                    | 75.2                 | 114.8                          | 142,400*                                        | 142,400*                           | 135,300*                                        | 135,300*                           | 127,100*                                        | 127,100*                           | 114,400                                         | 118,900*                           | 34                    |
| 36                    | 74.1                 | 114.2                          | 134,400*                                        | 134,400*                           | 126,700*                                        | 126,700*                           | 119,000*                                        | 119,000*                           | 104,000                                         | 111,300*                           | 36                    |
| 38                    | 73.0                 | 113.6                          | 126,400*                                        | 126,400*                           | 119,100*                                        | 119,100*                           | 111,200                                         | 111,800*                           | 95,100                                          | 104,500*                           | 38                    |
| 40                    | 71.9                 | 112.9                          | 119,200*                                        | 119,200*                           | 112,200*                                        | 112,200*                           | 102,400                                         | 105,300*                           | 87,400                                          | 98,400*                            | 40                    |
| 45                    | 69.1                 | 111.0                          | 104,000*                                        | 104,000*                           | 97,900                                          | 97,900*                            | 85,100                                          | 91,700*                            | 72,300                                          | 85,600*                            | 45                    |
| 50                    | 66.3                 | 108.8                          | 91,900*                                         | 91,900*                            | 83,300                                          | 86,400*                            | 72,200                                          | 80,900*                            | 61,100                                          | 75,400*                            | 50                    |
| 55                    | 63.3                 | 106.3                          | 82,000                                          | 82,100*                            | 72,100                                          | 77,100*                            | 62,300                                          | 72,100*                            | 52,400                                          | 67,100*                            | 55                    |
| 60                    | 60.4                 | 103.5                          | 72,000                                          | 73,900*                            | 63,200                                          | 69,400*                            | 54,400                                          | 64,800*                            | 45,500                                          | 60,300*                            | 60                    |
| 65                    | 57.3                 | 100.3                          | 63,900                                          | 67,000*                            | 55,900                                          | 62,800*                            | 47,900                                          | 58,600*                            | 39,900                                          | 54,400*                            | 65                    |
| 70                    | 54.1                 | 96.7                           | 57,200                                          | 61,100*                            | 49,900                                          | 57,200*                            | 42,600                                          | 53,300*                            | 35,200                                          | 49,500*                            | 70                    |
| 75                    | 50.7                 | 92.7                           | 51,500                                          | 56,000*                            | 44,800                                          | 52,400*                            | 38,000                                          | 48,800*                            | 31,300                                          | 45,100*                            | 75                    |
| 80                    | 47.2                 | 88.2                           | 46,700                                          | 51,600*                            | 40,400                                          | 48,200*                            | 34,200                                          | 44,800*                            | 27,900                                          | 41,400*                            | 80                    |
| 85                    | 43.5                 | 83.0                           | 42,500                                          | 47,600*                            | 36,600                                          | 44,400*                            | 30,800                                          | 41,200*                            | 25,000                                          | 38,000*                            | 85                    |
| 90                    | 39.4                 | 77.1                           | 38,800                                          | 44,100*                            | 33,300                                          | 41,100*                            | 27,800                                          | 38,100*                            | 22,400                                          | 35,100*                            | 90                    |
| 95                    | 35.0                 | 70.2                           | 35,500                                          | 41,000*                            | 30,400                                          | 38,100*                            | 25,200                                          | 35,200*                            | 20,100                                          | 32,400*                            | 95                    |
| 100                   | 30.0                 | 61.9                           | 32,600                                          | 38,100*                            | 27,700                                          | 35,400*                            | 22,900                                          | 32,700*                            | 18,000                                          | 30,000*                            | 100                   |
| 105                   | 24.0                 | 51.6                           | 29,900                                          | 35,500*                            | 25,400                                          | 32,900*                            | 20,800                                          | 30,300*                            | 16,200                                          | 27,800*                            | 105                   |
| 110                   | 15.8                 | 36.7                           | 27,500                                          | 33,100*                            | 23,100                                          | 30,600*                            | 18,800                                          | 28,200*                            | 14,400                                          | 25,500                             | 110                   |

# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**  
**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets  
ANSI B30.5  
Requirements



## 110 Ft. Boom



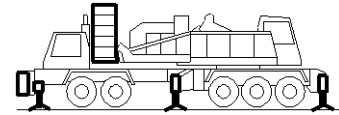
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 27,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 10,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 0 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|--------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds     | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 20                    | 82.6                 | 117.9                          | 203,500*                                        | 203,500*                           | 189,200*                                        | 189,200*                           | 180,500*                                   | 180,500*                           | 20                    |
| 22                    | 81.6                 | 117.5                          | 182,600*                                        | 182,600*                           | 169,700*                                        | 169,700*                           | 153,900                                    | 161,800*                           | 22                    |
| 24                    | 80.5                 | 117.2                          | 165,300*                                        | 165,300*                           | 148,000                                         | 153,600*                           | 127,300                                    | 146,400*                           | 24                    |
| 26                    | 79.5                 | 116.8                          | 150,900*                                        | 150,900*                           | 125,900                                         | 140,100*                           | 108,000                                    | 133,500*                           | 26                    |
| 28                    | 78.4                 | 116.3                          | 134,900                                         | 138,600*                           | 109,100                                         | 128,600*                           | 93,400                                     | 122,500*                           | 28                    |
| 30                    | 77.3                 | 115.9                          | 118,900                                         | 128,000*                           | 95,900                                          | 118,700*                           | 81,800                                     | 113,100*                           | 30                    |
| 32                    | 76.2                 | 115.4                          | 106,000                                         | 118,800*                           | 85,200                                          | 110,100*                           | 72,500                                     | 104,800*                           | 32                    |
| 34                    | 75.2                 | 114.8                          | 95,400                                          | 110,800*                           | 76,400                                          | 102,600*                           | 64,900                                     | 97,600*                            | 34                    |
| 36                    | 74.1                 | 114.2                          | 86,500                                          | 103,600*                           | 69,100                                          | 95,900*                            | 58,500                                     | 91,200*                            | 36                    |
| 38                    | 73.0                 | 113.6                          | 79,000                                          | 97,200*                            | 62,800                                          | 90,000*                            | 53,000                                     | 85,500*                            | 38                    |
| 40                    | 71.9                 | 112.9                          | 72,400                                          | 91,500*                            | 57,400                                          | 84,600*                            | 48,300                                     | 80,400*                            | 40                    |
| 45                    | 69.1                 | 111.0                          | 59,500                                          | 79,500*                            | 46,800                                          | 73,400*                            | 39,000                                     | 69,700*                            | 45                    |
| 50                    | 66.3                 | 108.8                          | 50,000                                          | 70,000*                            | 38,800                                          | 64,500*                            | 32,100                                     | 60,200                             | 50                    |
| 55                    | 63.3                 | 106.3                          | 42,600                                          | 62,200*                            | 32,700                                          | 57,200*                            | 26,700                                     | 51,600                             | 55                    |
| 60                    | 60.4                 | 103.5                          | 36,700                                          | 55,700*                            | 27,800                                          | 50,200                             | 22,500                                     | 44,800                             | 60                    |
| 65                    | 57.3                 | 100.3                          | 31,900                                          | 50,200*                            | 23,900                                          | 44,100                             | 19,000                                     | 39,200                             | 65                    |
| 70                    | 54.1                 | 96.7                           | 27,900                                          | 45,600*                            | 20,600                                          | 39,100                             | 16,100                                     | 34,600                             | 70                    |
| 75                    | 50.7                 | 92.7                           | 24,500                                          | 41,500*                            | 17,800                                          | 34,800                             | 13,700                                     | 30,700                             | 75                    |
| 80                    | 47.2                 | 88.2                           | 21,600                                          | 37,500                             | 15,400                                          | 31,200                             | 11,500                                     | 27,300                             | 80                    |
| 85                    | 43.5                 | 83.0                           | 19,100                                          | 33,900                             | 13,300                                          | 28,000                             | 9,700                                      | 24,400                             | 85                    |
| 90                    | 39.4                 | 77.1                           | 16,900                                          | 30,700                             | 11,400                                          | 25,200                             | 8,100                                      | 21,900                             | 90                    |
| 95                    | 35.0                 | 70.2                           | 14,900                                          | 27,900                             | 9,800                                           | 22,800                             | 6,700                                      | 19,600                             | 95                    |
| 100                   | 30.0                 | 61.9                           | 13,200                                          | 25,400                             | 8,300                                           | 20,600                             | 5,400                                      | 17,600                             | 100                   |
| 105                   | 24.0                 | 51.6                           | 11,600                                          | 23,200                             | 7,000                                           | 18,600                             | 4,200                                      | 15,700                             | 105                   |
| 110                   | 15.8                 | 36.7                           | 10,100                                          | 21,100                             | 5,700                                           | 16,700                             | 3,100                                      | 14,000                             | 110                   |

# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**  
**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets  
ANSI B30.5  
Requirements

**777T**



## 120 Ft. Boom

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 78,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 61,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 44,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 22                    | 82.3                 | 127.7                          | 187,300*                                        | 187,300*                           | 187,300*                                        | 187,300*                           | 187,300*                                        | 187,300*                           | 187,300*                                        | 187,300*                           | 22                    |
| 24                    | 81.3                 | 127.3                          | 176,500*                                        | 176,500*                           | 176,500*                                        | 176,500*                           | 176,500*                                        | 176,500*                           | 176,500*                                        | 176,500*                           | 24                    |
| 26                    | 80.3                 | 127.0                          | 166,700*                                        | 166,700*                           | 166,700*                                        | 166,700*                           | 166,700*                                        | 166,700*                           | 166,700*                                        | 162,000*                           | 26                    |
| 28                    | 79.4                 | 126.6                          | 157,900*                                        | 157,900*                           | 157,900*                                        | 157,900*                           | 157,900*                                        | 157,900*                           | 148,900*                                        | 148,900*                           | 28                    |
| 30                    | 78.4                 | 126.1                          | 149,800*                                        | 149,800*                           | 149,800*                                        | 149,800*                           | 146,900*                                        | 146,900*                           | 137,600*                                        | 137,600*                           | 30                    |
| 32                    | 77.4                 | 125.7                          | 142,400*                                        | 142,400*                           | 142,400*                                        | 142,400*                           | 136,500*                                        | 136,500*                           | 127,400                                         | 127,800*                           | 32                    |
| 34                    | 76.4                 | 125.2                          | 135,600*                                        | 135,600*                           | 135,500*                                        | 135,500*                           | 127,400*                                        | 127,400*                           | 114,900                                         | 119,200*                           | 34                    |
| 36                    | 75.4                 | 124.6                          | 129,400*                                        | 129,400*                           | 127,000*                                        | 127,000*                           | 119,300*                                        | 119,300*                           | 104,400                                         | 111,600*                           | 36                    |
| 38                    | 74.4                 | 124.0                          | 123,600*                                        | 123,600*                           | 119,400*                                        | 119,400*                           | 111,700                                         | 112,100*                           | 95,500                                          | 104,800*                           | 38                    |
| 40                    | 73.4                 | 123.4                          | 118,200*                                        | 118,200*                           | 112,500*                                        | 112,500*                           | 102,900                                         | 105,600*                           | 87,900                                          | 98,700*                            | 40                    |
| 45                    | 70.9                 | 121.7                          | 104,300*                                        | 104,300*                           | 98,100*                                         | 98,100*                            | 85,500                                          | 92,000*                            | 72,700                                          | 85,900*                            | 45                    |
| 50                    | 68.4                 | 119.7                          | 92,200*                                         | 92,200*                            | 83,800                                          | 86,700*                            | 72,600                                          | 81,200*                            | 61,500                                          | 75,700*                            | 50                    |
| 55                    | 65.7                 | 117.5                          | 82,400*                                         | 82,400*                            | 72,500                                          | 77,400*                            | 62,700                                          | 72,400*                            | 52,800                                          | 67,400*                            | 55                    |
| 60                    | 63.1                 | 115.0                          | 72,400                                          | 74,200*                            | 63,600                                          | 69,700*                            | 54,800                                          | 65,100*                            | 45,900                                          | 60,500*                            | 60                    |
| 65                    | 60.3                 | 112.2                          | 64,400                                          | 67,300*                            | 56,300                                          | 63,100*                            | 48,300                                          | 58,900*                            | 40,300                                          | 54,700*                            | 65                    |
| 70                    | 57.5                 | 109.0                          | 57,600                                          | 61,400*                            | 50,300                                          | 57,500*                            | 43,000                                          | 53,600*                            | 35,600                                          | 49,800*                            | 70                    |
| 75                    | 54.6                 | 105.5                          | 52,000                                          | 56,300*                            | 45,200                                          | 52,700*                            | 38,400                                          | 49,100*                            | 31,700                                          | 45,500*                            | 75                    |
| 80                    | 51.6                 | 101.6                          | 47,100                                          | 51,900*                            | 40,800                                          | 48,500*                            | 34,600                                          | 45,100*                            | 28,300                                          | 41,700*                            | 80                    |
| 85                    | 48.4                 | 97.2                           | 42,900                                          | 48,000*                            | 37,100                                          | 44,800*                            | 31,200                                          | 41,600*                            | 25,400                                          | 38,400*                            | 85                    |
| 90                    | 45.0                 | 92.3                           | 39,200                                          | 44,500*                            | 33,800                                          | 41,400*                            | 28,300                                          | 38,400*                            | 22,800                                          | 35,400*                            | 90                    |
| 95                    | 41.5                 | 86.8                           | 36,000                                          | 41,300*                            | 30,800                                          | 38,500*                            | 25,700                                          | 35,600*                            | 20,600                                          | 32,800*                            | 95                    |
| 100                   | 37.6                 | 80.5                           | 33,100                                          | 38,500*                            | 28,200                                          | 35,800*                            | 23,400                                          | 33,100*                            | 18,500                                          | 30,400*                            | 100                   |
| 105                   | 33.4                 | 73.1                           | 30,500                                          | 35,900*                            | 25,900                                          | 33,400*                            | 21,300                                          | 30,800*                            | 16,700                                          | 28,200*                            | 105                   |
| 110                   | 28.6                 | 64.4                           | 28,100                                          | 33,600*                            | 23,800                                          | 31,100*                            | 19,400                                          | 28,700*                            | 15,000                                          | 26,100                             | 110                   |
| 115                   | 22.9                 | 53.5                           | 26,000                                          | 31,400*                            | 21,800                                          | 29,100*                            | 17,700                                          | 26,700*                            | 13,500                                          | 24,000                             | 115                   |
| 120                   | 15.1                 | 38.0                           | 23,900                                          | 29,400*                            | 20,000                                          | 27,100*                            | 16,000                                          | 24,900*                            | 12,100                                          | 22,100                             | 120                   |

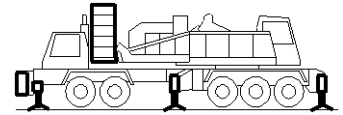
# Liftcrane Boom Capacities

Boom No. 78TA With Heavy Lift Top

0 Lb. to 95,400 Lb. Crane Counterweight

With 25,000 Lb. Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Extended Outriggers

 Meets  
ANSI B30.5  
Requirements


## 120 Ft. Boom



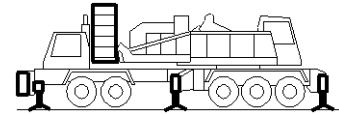
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 27,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 10,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 0 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|--------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds     | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 22                    | 82.3                 | 127.7                          | 182,800*                                        | 182,800*                           | 169,900*                                        | 169,900*                           | 154,600                                    | 162,100*                           | 22                    |
| 24                    | 81.3                 | 127.3                          | 165,600*                                        | 165,600*                           | 148,700                                         | 153,800*                           | 128,000                                    | 146,700*                           | 24                    |
| 26                    | 80.3                 | 127.0                          | 151,200*                                        | 151,200*                           | 126,500                                         | 140,300*                           | 108,600                                    | 133,800*                           | 26                    |
| 28                    | 79.4                 | 126.6                          | 135,500                                         | 138,900*                           | 109,700                                         | 128,900*                           | 93,900                                     | 122,800*                           | 28                    |
| 30                    | 78.4                 | 126.1                          | 119,500                                         | 128,300*                           | 96,400                                          | 119,000*                           | 82,400                                     | 113,300*                           | 30                    |
| 32                    | 77.4                 | 125.7                          | 106,500                                         | 119,100*                           | 85,700                                          | 110,400*                           | 73,100                                     | 105,100*                           | 32                    |
| 34                    | 76.4                 | 125.2                          | 95,900                                          | 111,000*                           | 76,900                                          | 102,900*                           | 65,400                                     | 97,900*                            | 34                    |
| 36                    | 75.4                 | 124.6                          | 87,000                                          | 103,900*                           | 69,600                                          | 96,200*                            | 58,900                                     | 91,500*                            | 36                    |
| 38                    | 74.4                 | 124.0                          | 79,400                                          | 97,500*                            | 63,300                                          | 90,200*                            | 53,500                                     | 85,800*                            | 38                    |
| 40                    | 73.4                 | 123.4                          | 72,900                                          | 91,800*                            | 57,900                                          | 84,900*                            | 48,800                                     | 80,700*                            | 40                    |
| 45                    | 70.9                 | 121.7                          | 60,000                                          | 79,800*                            | 47,200                                          | 73,700*                            | 39,400                                     | 69,900*                            | 45                    |
| 50                    | 68.4                 | 119.7                          | 50,400                                          | 70,200*                            | 39,300                                          | 64,700*                            | 32,500                                     | 60,600                             | 50                    |
| 55                    | 65.7                 | 117.5                          | 43,000                                          | 62,400*                            | 33,100                                          | 57,500*                            | 27,100                                     | 52,000                             | 55                    |
| 60                    | 63.1                 | 115.0                          | 37,100                                          | 56,000*                            | 28,300                                          | 50,600                             | 22,900                                     | 45,200                             | 60                    |
| 65                    | 60.3                 | 112.2                          | 32,300                                          | 50,500*                            | 24,300                                          | 44,500                             | 19,400                                     | 39,600                             | 65                    |
| 70                    | 57.5                 | 109.0                          | 28,300                                          | 45,900*                            | 21,000                                          | 39,500                             | 16,500                                     | 35,000                             | 70                    |
| 75                    | 54.6                 | 105.5                          | 24,900                                          | 41,800*                            | 18,200                                          | 35,200                             | 14,100                                     | 31,100                             | 75                    |
| 80                    | 51.6                 | 101.6                          | 22,100                                          | 37,900                             | 15,800                                          | 31,600                             | 12,000                                     | 27,700                             | 80                    |
| 85                    | 48.4                 | 97.2                           | 19,500                                          | 34,300                             | 13,700                                          | 28,400                             | 10,200                                     | 24,900                             | 85                    |
| 90                    | 45.0                 | 92.3                           | 17,400                                          | 31,200                             | 11,900                                          | 25,700                             | 8,600                                      | 22,300                             | 90                    |
| 95                    | 41.5                 | 86.8                           | 15,400                                          | 28,400                             | 10,300                                          | 23,200                             | 7,100                                      | 20,100                             | 95                    |
| 100                   | 37.6                 | 80.5                           | 13,700                                          | 25,900                             | 8,800                                           | 21,000                             | 5,900                                      | 18,100                             | 100                   |
| 105                   | 33.4                 | 73.1                           | 12,100                                          | 23,700                             | 7,500                                           | 19,100                             | 4,700                                      | 16,300                             | 105                   |
| 110                   | 28.6                 | 64.4                           | 10,700                                          | 21,700                             | 6,300                                           | 17,300                             | 3,700                                      | 14,600                             | 110                   |
| 115                   | 22.9                 | 53.5                           | 9,400                                           | 19,800                             | 5,200                                           | 15,700                             | 2,700                                      | 13,100                             | 115                   |
| 120                   | 15.1                 | 38.0                           | 8,100                                           | 18,100                             | 4,200                                           | 14,100                             |                                            | 11,700                             | 120                   |

# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**  
**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets  
ANSI B30.5  
Requirements

**777T**



## 130 Ft. Boom

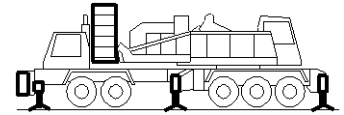


| Oper. Rad. Feet | Boom Ang. Deg. | Boom Point Elev. Feet | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                           | 78,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                           | 61,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                           | 44,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                           | Oper. Rad. Feet |
|-----------------|----------------|-----------------------|-------------------------------------------------|---------------------------|-------------------------------------------------|---------------------------|-------------------------------------------------|---------------------------|-------------------------------------------------|---------------------------|-----------------|
|                 |                |                       | Boom Capacity 360 Deg. Pounds                   | Boom Capacity Rear Pounds | Boom Capacity 360 Deg. Pounds                   | Boom Capacity Rear Pounds | Boom Capacity 360 Deg. Pounds                   | Boom Capacity Rear Pounds | Boom Capacity 360 Deg. Pounds                   | Boom Capacity Rear Pounds |                 |
| 22              | 82.9           | 137.8                 | 175,600*                                        | 175,600*                  | 175,600*                                        | 175,600*                  | 175,600*                                        | 175,600*                  | 175,600*                                        | 175,600*                  | 22              |
| 24              | 82.0           | 137.5                 | 166,400*                                        | 166,400*                  | 166,400*                                        | 166,400*                  | 166,400*                                        | 166,400*                  | 166,400*                                        | 166,400*                  | 24              |
| 26              | 81.1           | 137.1                 | 158,100*                                        | 158,100*                  | 158,100*                                        | 158,100*                  | 158,100*                                        | 158,100*                  | 158,100*                                        | 158,100*                  | 26              |
| 28              | 80.2           | 136.8                 | 150,400*                                        | 150,400*                  | 150,400*                                        | 150,400*                  | 150,400*                                        | 150,400*                  | 148,600*                                        | 148,600*                  | 28              |
| 30              | 79.3           | 136.4                 | 143,400*                                        | 143,400*                  | 143,400*                                        | 143,400*                  | 143,400*                                        | 143,400*                  | 137,300*                                        | 137,300*                  | 30              |
| 32              | 78.4           | 135.9                 | 136,900*                                        | 136,900*                  | 136,900*                                        | 136,900*                  | 136,200*                                        | 136,200*                  | 127,500                                         | 127,500*                  | 32              |
| 34              | 77.5           | 135.5                 | 130,800*                                        | 130,800*                  | 130,800*                                        | 130,800*                  | 127,000*                                        | 127,000*                  | 114,900                                         | 118,900*                  | 34              |
| 36              | 76.6           | 135.0                 | 124,700*                                        | 124,700*                  | 124,700*                                        | 124,700*                  | 118,900*                                        | 118,900*                  | 104,400                                         | 111,200*                  | 36              |
| 38              | 75.7           | 134.4                 | 118,900*                                        | 118,900*                  | 118,900*                                        | 118,900*                  | 111,700                                         | 111,700*                  | 95,500                                          | 104,400*                  | 38              |
| 40              | 74.8           | 133.9                 | 113,600*                                        | 113,600*                  | 112,200*                                        | 112,200*                  | 102,900                                         | 105,300*                  | 87,900                                          | 98,300*                   | 40              |
| 45              | 72.5           | 132.3                 | 101,800*                                        | 101,800*                  | 97,800*                                         | 97,800*                   | 85,400                                          | 91,700*                   | 72,700                                          | 85,500*                   | 45              |
| 50              | 70.1           | 130.5                 | 91,800*                                         | 91,800*                   | 83,600                                          | 86,300*                   | 72,500                                          | 80,900*                   | 61,400                                          | 75,400*                   | 50              |
| 55              | 67.7           | 128.5                 | 82,000*                                         | 82,000*                   | 72,400                                          | 77,000*                   | 62,500                                          | 72,100*                   | 52,700                                          | 67,100*                   | 55              |
| 60              | 65.3           | 126.2                 | 72,300                                          | 73,900*                   | 63,400                                          | 69,300*                   | 54,600                                          | 64,700*                   | 45,700                                          | 60,200*                   | 60              |
| 65              | 62.8           | 123.6                 | 64,200                                          | 67,000*                   | 56,100                                          | 62,800*                   | 48,100                                          | 58,600*                   | 40,100                                          | 54,400*                   | 65              |
| 70              | 60.3           | 120.8                 | 57,400                                          | 61,100*                   | 50,100                                          | 57,200*                   | 42,800                                          | 53,300*                   | 35,400                                          | 49,400*                   | 70              |
| 75              | 57.7           | 117.7                 | 51,700                                          | 56,000*                   | 45,000                                          | 52,400*                   | 38,200                                          | 48,700*                   | 31,500                                          | 45,100*                   | 75              |
| 80              | 55.0           | 114.2                 | 46,900                                          | 51,500*                   | 40,600                                          | 48,100*                   | 34,400                                          | 44,700*                   | 28,100                                          | 41,300*                   | 80              |
| 85              | 52.2           | 110.4                 | 42,700                                          | 47,600*                   | 36,800                                          | 44,400*                   | 31,000                                          | 41,200*                   | 25,200                                          | 38,000*                   | 85              |
| 90              | 49.4           | 106.2                 | 39,000                                          | 44,100*                   | 33,500                                          | 41,100*                   | 28,100                                          | 38,100*                   | 22,600                                          | 35,100*                   | 90              |
| 95              | 46.3           | 101.5                 | 35,700                                          | 41,000*                   | 30,600                                          | 38,100*                   | 25,500                                          | 35,300*                   | 20,300                                          | 32,400*                   | 95              |
| 100             | 43.1           | 96.2                  | 32,900                                          | 38,200*                   | 28,000                                          | 35,500*                   | 23,200                                          | 32,800*                   | 18,300                                          | 30,100*                   | 100             |
| 105             | 39.7           | 90.3                  | 30,300                                          | 35,600*                   | 25,700                                          | 33,100*                   | 21,100                                          | 30,500*                   | 16,500                                          | 27,900*                   | 105             |
| 110             | 36.1           | 83.7                  | 27,900                                          | 33,300*                   | 23,600                                          | 30,900*                   | 19,200                                          | 28,400*                   | 14,900                                          | 25,900                    | 110             |
| 115             | 32.0           | 76.0                  | 25,800                                          | 31,200*                   | 21,700                                          | 28,800*                   | 17,500                                          | 26,500*                   | 13,400                                          | 23,900                    | 115             |
| 120             | 27.4           | 66.8                  | 23,900                                          | 29,200*                   | 19,900                                          | 27,000*                   | 16,000                                          | 24,700*                   | 12,000                                          | 22,000                    | 120             |
| 125             | 21.9           | 55.4                  | 22,100                                          | 27,400*                   | 18,300                                          | 25,200*                   | 14,500                                          | 23,100*                   | 10,700                                          | 20,300                    | 125             |
| 130             | 14.4           | 39.1                  | 20,400                                          | 25,700*                   | 16,700                                          | 23,600*                   | 13,100                                          | 21,500*                   | 9,500                                           | 18,700                    | 130             |

# Liftcrane Boom Capacities

Boom No. 78TA With Heavy Lift Top  
0 Lb. to 95,400 Lb. Crane Counterweight  
With 25,000 Lb. Front Bumper Counterweight  
Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets  
ANSI B30.5  
Requirements



## 130 Ft. Boom

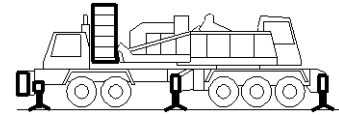
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 27,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 10,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 0 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|--------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds     | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 22                    | 82.9                 | 137.8                          | 175,600*                                        | 175,600*                           | 169,600*                                        | 169,600*                           | 155,200                                    | 161,800*                           | 22                    |
| 24                    | 82.0                 | 137.5                          | 165,300*                                        | 165,300*                           | 149,100                                         | 153,500*                           | 128,400                                    | 146,400*                           | 24                    |
| 26                    | 81.1                 | 137.1                          | 150,800*                                        | 150,800*                           | 126,800                                         | 140,000*                           | 109,000                                    | 133,500*                           | 26                    |
| 28                    | 80.2                 | 136.8                          | 135,700                                         | 138,600*                           | 109,900                                         | 128,500*                           | 94,200                                     | 122,500*                           | 28                    |
| 30                    | 79.3                 | 136.4                          | 119,600                                         | 128,000*                           | 96,600                                          | 118,700*                           | 82,500                                     | 113,000*                           | 30                    |
| 32                    | 78.4                 | 135.9                          | 106,600                                         | 118,800*                           | 85,800                                          | 110,100*                           | 73,200                                     | 104,800*                           | 32                    |
| 34                    | 77.5                 | 135.5                          | 96,000                                          | 110,700*                           | 77,000                                          | 102,500*                           | 65,400                                     | 97,500*                            | 34                    |
| 36                    | 76.6                 | 135.0                          | 87,000                                          | 103,500*                           | 69,600                                          | 95,800*                            | 59,000                                     | 91,100*                            | 36                    |
| 38                    | 75.7                 | 134.4                          | 79,400                                          | 97,200*                            | 63,300                                          | 89,900*                            | 53,400                                     | 85,400*                            | 38                    |
| 40                    | 74.8                 | 133.9                          | 72,900                                          | 91,400*                            | 57,800                                          | 84,500*                            | 48,700                                     | 80,300*                            | 40                    |
| 45                    | 72.5                 | 132.3                          | 59,900                                          | 79,400*                            | 47,100                                          | 73,300*                            | 39,300                                     | 69,600*                            | 45                    |
| 50                    | 70.1                 | 130.5                          | 50,200                                          | 69,900*                            | 39,100                                          | 64,400*                            | 32,300                                     | 60,500                             | 50                    |
| 55                    | 67.7                 | 128.5                          | 42,800                                          | 62,100*                            | 33,000                                          | 57,100*                            | 27,000                                     | 51,900                             | 55                    |
| 60                    | 65.3                 | 126.2                          | 36,900                                          | 55,600*                            | 28,100                                          | 50,400                             | 22,700                                     | 45,000                             | 60                    |
| 65                    | 62.8                 | 123.6                          | 32,100                                          | 50,200*                            | 24,100                                          | 44,300                             | 19,200                                     | 39,400                             | 65                    |
| 70                    | 60.3                 | 120.8                          | 28,100                                          | 45,500*                            | 20,800                                          | 39,300                             | 16,300                                     | 34,800                             | 70                    |
| 75                    | 57.7                 | 117.7                          | 24,700                                          | 41,500*                            | 18,000                                          | 35,000                             | 13,800                                     | 30,900                             | 75                    |
| 80                    | 55.0                 | 114.2                          | 21,800                                          | 37,700                             | 15,600                                          | 31,400                             | 11,700                                     | 27,500                             | 80                    |
| 85                    | 52.2                 | 110.4                          | 19,300                                          | 34,100                             | 13,500                                          | 28,200                             | 9,900                                      | 24,600                             | 85                    |
| 90                    | 49.4                 | 106.2                          | 17,100                                          | 31,000                             | 11,700                                          | 25,400                             | 8,300                                      | 22,100                             | 90                    |
| 95                    | 46.3                 | 101.5                          | 15,200                                          | 28,200                             | 10,000                                          | 23,000                             | 6,900                                      | 19,800                             | 95                    |
| 100                   | 43.1                 | 96.2                           | 13,500                                          | 25,700                             | 8,600                                           | 20,800                             | 5,700                                      | 17,900                             | 100                   |
| 105                   | 39.7                 | 90.3                           | 11,900                                          | 23,500                             | 7,300                                           | 18,900                             | 4,500                                      | 16,100                             | 105                   |
| 110                   | 36.1                 | 83.7                           | 10,500                                          | 21,500                             | 6,100                                           | 17,100                             | 3,500                                      | 14,400                             | 110                   |
| 115                   | 32.0                 | 76.0                           | 9,200                                           | 19,700                             | 5,100                                           | 15,500                             | 2,500                                      | 13,000                             | 115                   |
| 120                   | 27.4                 | 66.8                           | 8,000                                           | 18,000                             | 4,100                                           | 14,000                             |                                            | 11,600                             | 120                   |
| 125                   | 21.9                 | 55.4                           | 6,900                                           | 16,500                             | 3,100                                           | 12,700                             |                                            | 10,300                             | 125                   |
| 130                   | 14.4                 | 39.1                           | 5,900                                           | 15,000                             | 2,200                                           | 11,400                             |                                            | 9,100                              | 130                   |

# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**  
**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets  
ANSI B30.5  
Requirements

**777T**



## 140 Ft. Boom

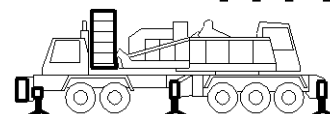


| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 78,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 61,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 44,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 24                    | 82.6                 | 147.6                          | 159,100*                                        | 159,100*                           | 159,100*                                        | 159,100*                           | 159,100*                                        | 159,100*                           | 159,100*                                        | 159,100*                           | 24                    |
| 26                    | 81.7                 | 147.3                          | 150,900*                                        | 150,900*                           | 150,900*                                        | 150,900*                           | 150,900*                                        | 150,900*                           | 150,900*                                        | 150,900*                           | 26                    |
| 28                    | 80.9                 | 146.9                          | 143,400*                                        | 143,400*                           | 143,400*                                        | 143,400*                           | 143,400*                                        | 143,400*                           | 143,400*                                        | 143,400*                           | 28                    |
| 30                    | 80.1                 | 146.6                          | 136,400*                                        | 136,400*                           | 136,400*                                        | 136,400*                           | 136,400*                                        | 136,400*                           | 136,400*                                        | 136,400*                           | 30                    |
| 32                    | 79.2                 | 146.2                          | 130,000*                                        | 130,000*                           | 130,000*                                        | 130,000*                           | 130,000*                                        | 130,000*                           | 127,000*                                        | 127,000*                           | 32                    |
| 34                    | 78.4                 | 145.7                          | 124,000*                                        | 124,000*                           | 124,000*                                        | 124,000*                           | 124,000*                                        | 124,000*                           | 114,900                                         | 118,400*                           | 34                    |
| 36                    | 77.6                 | 145.3                          | 118,500*                                        | 118,500*                           | 118,500*                                        | 118,500*                           | 118,500*                                        | 118,500*                           | 104,300                                         | 110,800*                           | 36                    |
| 38                    | 76.7                 | 144.8                          | 113,100*                                        | 113,100*                           | 113,100*                                        | 113,100*                           | 111,300*                                        | 111,300*                           | 95,400                                          | 104,000*                           | 38                    |
| 40                    | 75.9                 | 144.3                          | 107,900*                                        | 107,900*                           | 107,900*                                        | 107,900*                           | 102,700                                         | 104,800*                           | 87,700                                          | 97,900*                            | 40                    |
| 45                    | 73.7                 | 142.8                          | 96,400*                                         | 96,400*                            | 96,400*                                         | 96,400*                            | 85,200                                          | 91,200*                            | 72,400                                          | 85,100*                            | 45                    |
| 50                    | 71.6                 | 141.2                          | 86,800*                                         | 86,800*                            | 83,400                                          | 85,900*                            | 72,200                                          | 80,400*                            | 61,100                                          | 74,900*                            | 50                    |
| 55                    | 69.4                 | 139.3                          | 78,500*                                         | 78,500*                            | 72,100                                          | 76,600*                            | 62,200                                          | 71,600*                            | 52,400                                          | 66,600*                            | 55                    |
| 60                    | 67.2                 | 137.2                          | 71,400*                                         | 71,400*                            | 63,100                                          | 68,800*                            | 54,300                                          | 64,300*                            | 45,500                                          | 59,700*                            | 60                    |
| 65                    | 64.9                 | 134.9                          | 63,800                                          | 65,200*                            | 55,800                                          | 62,300*                            | 47,800                                          | 58,100*                            | 39,800                                          | 53,900*                            | 65                    |
| 70                    | 62.6                 | 132.3                          | 57,100                                          | 59,700*                            | 49,800                                          | 56,700*                            | 42,400                                          | 52,800*                            | 35,100                                          | 48,900*                            | 70                    |
| 75                    | 60.3                 | 129.5                          | 51,400                                          | 54,800*                            | 44,600                                          | 51,900*                            | 37,900                                          | 48,300*                            | 31,100                                          | 44,600*                            | 75                    |
| 80                    | 57.9                 | 126.4                          | 46,500                                          | 50,400*                            | 40,300                                          | 47,700*                            | 34,000                                          | 44,300*                            | 27,700                                          | 40,900*                            | 80                    |
| 85                    | 55.4                 | 122.9                          | 42,300                                          | 46,500*                            | 36,500                                          | 44,000*                            | 30,700                                          | 40,800*                            | 24,800                                          | 37,600*                            | 85                    |
| 90                    | 52.8                 | 119.2                          | 38,600                                          | 42,900*                            | 33,200                                          | 40,700*                            | 27,700                                          | 37,600*                            | 22,200                                          | 34,600*                            | 90                    |
| 95                    | 50.2                 | 115.1                          | 35,400                                          | 39,700*                            | 30,300                                          | 37,700*                            | 25,100                                          | 34,900*                            | 20,000                                          | 32,000*                            | 95                    |
| 100                   | 47.4                 | 110.5                          | 32,500                                          | 36,800*                            | 27,700                                          | 35,000*                            | 22,800                                          | 32,300*                            | 18,000                                          | 29,600*                            | 100                   |
| 105                   | 44.5                 | 105.5                          | 29,900                                          | 34,100*                            | 25,300                                          | 32,600*                            | 20,700                                          | 30,100*                            | 16,200                                          | 27,500*                            | 105                   |
| 110                   | 41.5                 | 100.0                          | 27,600                                          | 31,700*                            | 23,200                                          | 30,400*                            | 18,900                                          | 28,000*                            | 14,500                                          | 25,500*                            | 110                   |
| 115                   | 38.2                 | 93.8                           | 25,500                                          | 29,400*                            | 21,300                                          | 28,400*                            | 17,200                                          | 26,100*                            | 13,000                                          | 23,600                             | 115                   |
| 120                   | 34.7                 | 86.8                           | 23,600                                          | 27,300*                            | 19,600                                          | 26,600*                            | 15,600                                          | 24,300*                            | 11,700                                          | 21,700                             | 120                   |
| 125                   | 30.8                 | 78.7                           | 21,800                                          | 25,300*                            | 18,000                                          | 24,900*                            | 14,200                                          | 22,700*                            | 10,400                                          | 20,000                             | 125                   |
| 130                   | 26.4                 | 69.1                           | 20,200                                          | 23,500*                            | 16,500                                          | 23,300*                            | 12,900                                          | 21,200*                            | 9,300                                           | 18,500                             | 130                   |
| 135                   | 21.1                 | 57.2                           | 18,600                                          | 21,800*                            | 15,200                                          | 21,800*                            | 11,700                                          | 19,800*                            | 8,200                                           | 17,000                             | 135                   |
| 140                   | 13.9                 | 40.3                           | 17,200                                          | 20,200*                            | 13,800                                          | 20,200*                            | 10,500                                          | 18,400*                            | 7,100                                           | 15,600                             | 140                   |

## Liftcrane Boom Capacities

Boom No. 78TA With Heavy Lift Top  
0 Lb. to 95,400 Lb. Crane Counterweight  
With 25,000 Lb. Front Bumper Counterweight  
Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets  
ANSI B30.5  
Requirements



### 140 Ft. Boom

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 27,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 10,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 0 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|--------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds     | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 24                    | 82.6                 | 147.6                          | 159,100*                                        | 159,100*                           | 149,400                                         | 153,100*                           | 128,700                                    | 145,900*                           | 24                    |
| 26                    | 81.7                 | 147.3                          | 150,400*                                        | 150,400*                           | 127,000                                         | 139,600*                           | 109,100                                    | 133,000*                           | 26                    |
| 28                    | 80.9                 | 146.9                          | 135,800                                         | 138,100*                           | 110,000                                         | 128,100*                           | 94,300                                     | 122,000*                           | 28                    |
| 30                    | 80.1                 | 146.6                          | 119,600                                         | 127,500*                           | 96,600                                          | 118,200*                           | 82,600                                     | 112,500*                           | 30                    |
| 32                    | 79.2                 | 146.2                          | 106,600                                         | 118,300*                           | 85,800                                          | 109,600*                           | 73,100                                     | 104,300*                           | 32                    |
| 34                    | 78.4                 | 145.7                          | 95,900                                          | 110,200*                           | 76,900                                          | 102,100*                           | 65,400                                     | 97,100*                            | 34                    |
| 36                    | 77.6                 | 145.3                          | 86,900                                          | 103,100*                           | 69,500                                          | 95,400*                            | 58,900                                     | 90,700*                            | 36                    |
| 38                    | 76.7                 | 144.8                          | 79,300                                          | 96,700*                            | 63,100                                          | 89,400*                            | 53,300                                     | 85,000*                            | 38                    |
| 40                    | 75.9                 | 144.3                          | 72,700                                          | 91,000*                            | 57,700                                          | 84,100*                            | 48,500                                     | 79,900*                            | 40                    |
| 45                    | 73.7                 | 142.8                          | 59,700                                          | 79,000*                            | 46,900                                          | 72,800*                            | 39,100                                     | 69,100*                            | 45                    |
| 50                    | 71.6                 | 141.2                          | 50,000                                          | 69,400*                            | 38,900                                          | 63,900*                            | 32,100                                     | 60,300                             | 50                    |
| 55                    | 69.4                 | 139.3                          | 42,500                                          | 61,600*                            | 32,700                                          | 56,600*                            | 26,700                                     | 51,600                             | 55                    |
| 60                    | 67.2                 | 137.2                          | 36,600                                          | 55,200*                            | 27,800                                          | 50,200                             | 22,400                                     | 44,700                             | 60                    |
| 65                    | 64.9                 | 134.9                          | 31,800                                          | 49,700*                            | 23,800                                          | 44,000                             | 18,900                                     | 39,100                             | 65                    |
| 70                    | 62.6                 | 132.3                          | 27,800                                          | 45,100*                            | 20,400                                          | 39,000                             | 16,000                                     | 34,500                             | 70                    |
| 75                    | 60.3                 | 129.5                          | 24,400                                          | 41,000*                            | 17,600                                          | 34,700                             | 13,500                                     | 30,500                             | 75                    |
| 80                    | 57.9                 | 126.4                          | 21,500                                          | 37,300                             | 15,200                                          | 31,000                             | 11,400                                     | 27,200                             | 80                    |
| 85                    | 55.4                 | 122.9                          | 19,000                                          | 33,800                             | 13,100                                          | 27,900                             | 9,600                                      | 24,300                             | 85                    |
| 90                    | 52.8                 | 119.2                          | 16,800                                          | 30,600                             | 11,300                                          | 25,100                             | 8,000                                      | 21,700                             | 90                    |
| 95                    | 50.2                 | 115.1                          | 14,800                                          | 27,800                             | 9,700                                           | 22,700                             | 6,600                                      | 19,500                             | 95                    |
| 100                   | 47.4                 | 110.5                          | 13,100                                          | 25,400                             | 8,300                                           | 20,500                             | 5,300                                      | 17,500                             | 100                   |
| 105                   | 44.5                 | 105.5                          | 11,600                                          | 23,200                             | 7,000                                           | 18,500                             | 4,200                                      | 15,700                             | 105                   |
| 110                   | 41.5                 | 100.0                          | 10,200                                          | 21,200                             | 5,800                                           | 16,800                             | 3,200                                      | 14,100                             | 110                   |
| 115                   | 38.2                 | 93.8                           | 8,900                                           | 19,400                             | 4,700                                           | 15,200                             | 2,200                                      | 12,600                             | 115                   |
| 120                   | 34.7                 | 86.8                           | 7,700                                           | 17,700                             | 3,800                                           | 13,700                             |                                            | 11,300                             | 120                   |
| 125                   | 30.8                 | 78.7                           | 6,700                                           | 16,200                             | 2,900                                           | 12,400                             |                                            | 10,100                             | 125                   |
| 130                   | 26.4                 | 69.1                           | 5,700                                           | 14,800                             | 2,000                                           | 11,200                             |                                            | 8,900                              | 130                   |
| 135                   | 21.1                 | 57.2                           | 4,700                                           | 13,500                             |                                                 | 10,000                             |                                            | 7,900                              | 135                   |
| 140                   | 13.9                 | 40.3                           | 3,800                                           | 12,200                             |                                                 | 8,900                              |                                            | 6,800                              | 140                   |

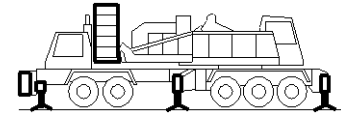
# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**

**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets  
ANSI B30.5  
Requirements

**777T**



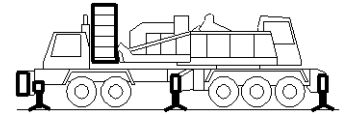
## 150 Ft. Boom

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 78,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 61,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 44,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 26                    | 82.3                 | 157.4                          | 161,100*                                        | 161,100*                           | 161,100*                                        | 161,100*                           | 161,100*                                        | 161,100*                           | 160,700*                                        | 160,700*                           | 26                    |
| 28                    | 81.5                 | 157.1                          | 155,100*                                        | 155,100*                           | 155,100*                                        | 155,100*                           | 155,100*                                        | 155,100*                           | 147,600*                                        | 147,600*                           | 28                    |
| 30                    | 80.7                 | 156.7                          | 147,300*                                        | 147,300*                           | 147,300*                                        | 147,300*                           | 145,600*                                        | 145,600*                           | 136,300*                                        | 136,300*                           | 30                    |
| 32                    | 80.0                 | 156.4                          | 138,100*                                        | 138,100*                           | 138,100*                                        | 138,100*                           | 135,200*                                        | 135,200*                           | 126,500*                                        | 126,500*                           | 32                    |
| 34                    | 79.2                 | 156.0                          | 130,100*                                        | 130,100*                           | 130,100*                                        | 130,100*                           | 126,100*                                        | 126,100*                           | 114,800                                         | 117,900*                           | 34                    |
| 36                    | 78.4                 | 155.5                          | 123,100*                                        | 123,100*                           | 123,100*                                        | 123,100*                           | 118,000*                                        | 118,000*                           | 104,200                                         | 110,300*                           | 36                    |
| 38                    | 77.6                 | 155.1                          | 116,800*                                        | 116,800*                           | 116,800*                                        | 116,800*                           | 110,700*                                        | 110,700*                           | 95,300                                          | 103,500*                           | 38                    |
| 40                    | 76.8                 | 154.6                          | 111,200*                                        | 111,200*                           | 111,200*                                        | 111,200*                           | 102,500                                         | 104,300*                           | 87,500                                          | 97,400*                            | 40                    |
| 45                    | 74.9                 | 153.2                          | 99,400*                                         | 99,400*                            | 96,800*                                         | 96,800*                            | 85,000                                          | 90,700*                            | 72,200                                          | 84,500*                            | 45                    |
| 50                    | 72.9                 | 151.7                          | 90,000*                                         | 90,000*                            | 83,100                                          | 85,300*                            | 71,900                                          | 79,800*                            | 60,800                                          | 74,400*                            | 50                    |
| 55                    | 70.8                 | 150.0                          | 81,000*                                         | 81,000*                            | 71,700                                          | 76,000*                            | 61,900                                          | 71,000*                            | 52,000                                          | 66,100*                            | 55                    |
| 60                    | 68.8                 | 148.1                          | 71,600                                          | 72,800*                            | 62,700                                          | 68,300*                            | 53,900                                          | 63,700*                            | 45,100                                          | 59,200*                            | 60                    |
| 65                    | 66.7                 | 145.9                          | 63,400                                          | 65,900*                            | 55,400                                          | 61,700*                            | 47,400                                          | 57,500*                            | 39,400                                          | 53,400*                            | 65                    |
| 70                    | 64.6                 | 143.6                          | 56,700                                          | 60,100*                            | 49,300                                          | 56,200*                            | 42,000                                          | 52,300*                            | 34,700                                          | 48,400*                            | 70                    |
| 75                    | 62.5                 | 141.0                          | 51,000                                          | 55,000*                            | 44,200                                          | 51,300*                            | 37,500                                          | 47,700*                            | 30,700                                          | 44,100*                            | 75                    |
| 80                    | 60.3                 | 138.1                          | 46,100                                          | 50,500*                            | 39,800                                          | 47,100*                            | 33,600                                          | 43,700*                            | 27,300                                          | 40,300*                            | 80                    |
| 85                    | 58.0                 | 135.0                          | 41,900                                          | 46,600*                            | 36,000                                          | 43,400*                            | 30,200                                          | 40,200*                            | 24,400                                          | 37,000*                            | 85                    |
| 90                    | 55.7                 | 131.7                          | 38,200                                          | 43,100*                            | 32,700                                          | 40,100*                            | 27,200                                          | 37,100*                            | 21,800                                          | 34,100*                            | 90                    |
| 95                    | 53.3                 | 128.0                          | 34,900                                          | 40,000*                            | 29,800                                          | 37,100*                            | 24,600                                          | 34,300*                            | 19,500                                          | 31,400*                            | 95                    |
| 100                   | 50.9                 | 123.9                          | 32,000                                          | 37,200*                            | 27,200                                          | 34,500*                            | 22,300                                          | 31,800*                            | 17,500                                          | 29,100*                            | 100                   |
| 105                   | 48.3                 | 119.6                          | 29,500                                          | 34,700*                            | 24,900                                          | 32,100*                            | 20,300                                          | 29,500*                            | 15,700                                          | 26,900*                            | 105                   |
| 110                   | 45.7                 | 114.7                          | 27,100                                          | 32,400*                            | 22,800                                          | 29,900*                            | 18,400                                          | 27,400*                            | 14,000                                          | 25,000*                            | 110                   |
| 115                   | 42.9                 | 109.5                          | 25,000                                          | 30,200*                            | 20,900                                          | 27,900*                            | 16,700                                          | 25,500*                            | 12,600                                          | 23,100                             | 115                   |
| 120                   | 40.0                 | 103.6                          | 23,100                                          | 28,300*                            | 19,100                                          | 26,100*                            | 15,200                                          | 23,800*                            | 11,200                                          | 21,200                             | 120                   |
| 125                   | 36.8                 | 97.1                           | 21,300                                          | 26,500*                            | 17,500                                          | 24,400*                            | 13,800                                          | 22,200*                            | 10,000                                          | 19,600                             | 125                   |
| 130                   | 33.4                 | 89.7                           | 19,700                                          | 24,900*                            | 16,100                                          | 22,800*                            | 12,500                                          | 20,700*                            | 8,800                                           | 18,000                             | 130                   |
| 135                   | 29.7                 | 81.3                           | 18,200                                          | 23,300*                            | 14,700                                          | 21,300*                            | 11,300                                          | 19,300*                            | 7,800                                           | 16,600                             | 135                   |
| 140                   | 25.4                 | 71.3                           | 16,800                                          | 21,900*                            | 13,500                                          | 20,000*                            | 10,100                                          | 17,900*                            | 6,800                                           | 15,200                             | 140                   |
| 145                   | 20.3                 | 58.9                           | 15,500                                          | 20,500*                            | 12,300                                          | 18,700*                            | 9,100                                           | 16,500*                            | 5,800                                           | 14,000                             | 145                   |
| 150                   | 13.4                 | 41.4                           | 14,200                                          | 18,300*                            | 11,100                                          | 17,400*                            | 8,000                                           | 15,200*                            | 4,900                                           | 12,800                             | 150                   |

# Liftcrane Boom Capacities

Boom No. 78TA With Heavy Lift Top  
0 Lb. to 95,400 Lb. Crane Counterweight  
With 25,000 Lb. Front Bumper Counterweight  
Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets  
ANSI B30.5  
Requirements



## 150 Ft. Boom

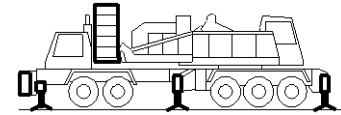
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 27,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 10,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 0 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|--------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds     | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 26                    | 82.3                 | 157.4                          | 149,900*                                        | 149,900*                           | 127,300                                         | 139,100*                           | 109,400                                    | 132,500*                           | 26                    |
| 28                    | 81.5                 | 157.1                          | 136,000                                         | 137,600*                           | 110,200                                         | 127,600*                           | 94,400                                     | 121,500*                           | 28                    |
| 30                    | 80.7                 | 156.7                          | 119,700                                         | 127,000*                           | 96,700                                          | 117,700*                           | 82,600                                     | 112,100*                           | 30                    |
| 32                    | 80.0                 | 156.4                          | 106,600                                         | 117,800*                           | 85,800                                          | 109,100*                           | 73,100                                     | 103,800*                           | 32                    |
| 34                    | 79.2                 | 156.0                          | 95,800                                          | 109,700*                           | 76,900                                          | 101,500*                           | 65,300                                     | 96,600*                            | 34                    |
| 36                    | 78.4                 | 155.5                          | 86,800                                          | 102,600*                           | 69,400                                          | 94,900*                            | 58,700                                     | 90,200*                            | 36                    |
| 38                    | 77.6                 | 155.1                          | 79,100                                          | 96,200*                            | 63,000                                          | 88,900*                            | 53,200                                     | 84,500*                            | 38                    |
| 40                    | 76.8                 | 154.6                          | 72,500                                          | 90,400*                            | 57,500                                          | 83,500*                            | 48,400                                     | 79,300*                            | 40                    |
| 45                    | 74.9                 | 153.2                          | 59,400                                          | 78,400*                            | 46,600                                          | 72,300*                            | 38,900                                     | 68,600*                            | 45                    |
| 50                    | 72.9                 | 151.7                          | 49,700                                          | 68,900*                            | 38,600                                          | 63,400*                            | 31,800                                     | 60,000                             | 50                    |
| 55                    | 70.8                 | 150.0                          | 42,200                                          | 61,100*                            | 32,300                                          | 56,100*                            | 26,300                                     | 51,300                             | 55                    |
| 60                    | 68.8                 | 148.1                          | 36,200                                          | 54,600*                            | 27,400                                          | 49,800                             | 22,000                                     | 44,300                             | 60                    |
| 65                    | 66.7                 | 145.9                          | 31,400                                          | 49,200*                            | 23,400                                          | 43,600                             | 18,500                                     | 38,700                             | 65                    |
| 70                    | 64.6                 | 143.6                          | 27,300                                          | 44,500*                            | 20,000                                          | 38,600                             | 15,600                                     | 34,000                             | 70                    |
| 75                    | 62.5                 | 141.0                          | 23,900                                          | 40,500*                            | 17,200                                          | 34,300                             | 13,100                                     | 30,100                             | 75                    |
| 80                    | 60.3                 | 138.1                          | 21,000                                          | 36,900                             | 14,800                                          | 30,600                             | 11,000                                     | 26,700                             | 80                    |
| 85                    | 58.0                 | 135.0                          | 18,500                                          | 33,300                             | 12,700                                          | 27,400                             | 9,100                                      | 23,800                             | 85                    |
| 90                    | 55.7                 | 131.7                          | 16,300                                          | 30,100                             | 10,800                                          | 24,600                             | 7,500                                      | 21,300                             | 90                    |
| 95                    | 53.3                 | 128.0                          | 14,400                                          | 27,400                             | 9,200                                           | 22,200                             | 6,100                                      | 19,000                             | 95                    |
| 100                   | 50.9                 | 123.9                          | 12,600                                          | 24,900                             | 7,800                                           | 20,000                             | 4,800                                      | 17,000                             | 100                   |
| 105                   | 48.3                 | 119.6                          | 11,100                                          | 22,700                             | 6,500                                           | 18,100                             | 3,700                                      | 15,200                             | 105                   |
| 110                   | 45.7                 | 114.7                          | 9,700                                           | 20,700                             | 5,300                                           | 16,300                             | 2,700                                      | 13,600                             | 110                   |
| 115                   | 42.9                 | 109.5                          | 8,400                                           | 18,900                             | 4,300                                           | 14,700                             |                                            | 12,200                             | 115                   |
| 120                   | 40.0                 | 103.6                          | 7,300                                           | 17,300                             | 3,300                                           | 13,300                             |                                            | 10,800                             | 120                   |
| 125                   | 36.8                 | 97.1                           | 6,200                                           | 15,800                             | 2,400                                           | 11,900                             |                                            | 9,600                              | 125                   |
| 130                   | 33.4                 | 89.7                           | 5,200                                           | 14,400                             |                                                 | 10,700                             |                                            | 8,500                              | 130                   |
| 135                   | 29.7                 | 81.3                           | 4,300                                           | 13,100                             |                                                 | 9,600                              |                                            | 7,400                              | 135                   |
| 140                   | 25.4                 | 71.3                           | 3,400                                           | 11,900                             |                                                 | 8,500                              |                                            | 6,500                              | 140                   |
| 145                   | 20.3                 | 58.9                           | 2,600                                           | 10,700                             |                                                 | 7,500                              |                                            | 5,500                              | 145                   |
| 150                   | 13.4                 | 41.4                           |                                                 | 9,700                              |                                                 | 6,500                              |                                            | 4,600                              | 150                   |

# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**  
**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets  
ANSI B30.5  
Requirements

**777T**



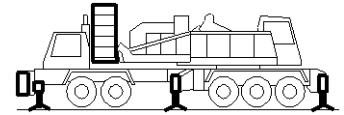
## 160 Ft. Boom

| Oper. Rad. Feet | Boom Ang. Deg. | Boom Point Elev. Feet | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                           | 78,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                           | 61,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                           | 44,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                           | Oper. Rad. Feet |
|-----------------|----------------|-----------------------|-------------------------------------------------|---------------------------|-------------------------------------------------|---------------------------|-------------------------------------------------|---------------------------|-------------------------------------------------|---------------------------|-----------------|
|                 |                |                       | Boom Capacity 360 Deg. Pounds                   | Boom Capacity Rear Pounds | Boom Capacity 360 Deg. Pounds                   | Boom Capacity Rear Pounds | Boom Capacity 360 Deg. Pounds                   | Boom Capacity Rear Pounds | Boom Capacity 360 Deg. Pounds                   | Boom Capacity Rear Pounds |                 |
| 26              | 82.8           | 167.5                 | 149,100*                                        | 149,100*                  | 149,100*                                        | 149,100*                  | 149,100*                                        | 149,100*                  | 149,100*                                        | 149,100*                  | 26              |
| 28              | 82.1           | 167.2                 | 143,800*                                        | 143,800*                  | 143,800*                                        | 143,800*                  | 143,800*                                        | 143,800*                  | 143,800*                                        | 143,800*                  | 28              |
| 30              | 81.3           | 166.9                 | 138,800*                                        | 138,800*                  | 138,800*                                        | 138,800*                  | 138,800*                                        | 138,800*                  | 135,800*                                        | 135,800*                  | 30              |
| 32              | 80.6           | 166.5                 | 134,100*                                        | 134,100*                  | 134,100*                                        | 134,100*                  | 134,100*                                        | 134,100*                  | 126,000*                                        | 126,000*                  | 32              |
| 34              | 79.9           | 166.2                 | 127,500*                                        | 127,500*                  | 127,500*                                        | 127,500*                  | 125,600*                                        | 125,600*                  | 114,700                                         | 117,400*                  | 34              |
| 36              | 79.1           | 165.8                 | 120,500*                                        | 120,500*                  | 120,500*                                        | 120,500*                  | 117,500*                                        | 117,500*                  | 104,100                                         | 109,800*                  | 36              |
| 38              | 78.4           | 165.3                 | 114,400*                                        | 114,400*                  | 114,400*                                        | 114,400*                  | 110,200*                                        | 110,200*                  | 95,000                                          | 103,000*                  | 38              |
| 40              | 77.7           | 164.9                 | 108,800*                                        | 108,800*                  | 108,800*                                        | 108,800*                  | 102,300                                         | 103,800*                  | 87,300                                          | 96,900*                   | 40              |
| 45              | 75.8           | 163.6                 | 97,200*                                         | 97,200*                   | 96,300*                                         | 96,300*                   | 84,700                                          | 90,200*                   | 71,900                                          | 84,100*                   | 45              |
| 50              | 74.0           | 162.2                 | 88,000*                                         | 88,000*                   | 82,800                                          | 84,800*                   | 71,600                                          | 79,400*                   | 60,500                                          | 73,900*                   | 50              |
| 55              | 72.1           | 160.6                 | 80,200*                                         | 80,200*                   | 71,400                                          | 75,500*                   | 61,600                                          | 70,500*                   | 51,700                                          | 65,600*                   | 55              |
| 60              | 70.2           | 158.8                 | 71,200                                          | 72,300*                   | 62,400                                          | 67,800*                   | 53,600                                          | 63,200*                   | 44,700                                          | 58,700*                   | 60              |
| 65              | 68.3           | 156.8                 | 63,100                                          | 65,500*                   | 55,100                                          | 61,300*                   | 47,000                                          | 57,100*                   | 39,000                                          | 52,900*                   | 65              |
| 70              | 66.3           | 154.6                 | 56,300                                          | 59,600*                   | 49,000                                          | 55,700*                   | 41,600                                          | 51,800*                   | 34,300                                          | 47,900*                   | 70              |
| 75              | 64.3           | 152.2                 | 50,600                                          | 54,500*                   | 43,800                                          | 50,900*                   | 37,100                                          | 47,200*                   | 30,300                                          | 43,600*                   | 75              |
| 80              | 62.3           | 149.6                 | 45,700                                          | 50,000*                   | 39,400                                          | 46,600*                   | 33,200                                          | 43,200*                   | 26,900                                          | 39,800*                   | 80              |
| 85              | 60.2           | 146.8                 | 41,500                                          | 46,100*                   | 35,600                                          | 42,900*                   | 29,800                                          | 39,700*                   | 24,000                                          | 36,500*                   | 85              |
| 90              | 58.1           | 143.7                 | 37,800                                          | 42,600*                   | 32,300                                          | 39,600*                   | 26,800                                          | 36,600*                   | 21,400                                          | 33,600*                   | 90              |
| 95              | 56.0           | 140.4                 | 34,500                                          | 39,500*                   | 29,400                                          | 36,700*                   | 24,200                                          | 33,800*                   | 19,100                                          | 31,000*                   | 95              |
| 100             | 53.8           | 136.7                 | 31,600                                          | 36,700*                   | 26,800                                          | 34,000*                   | 21,900                                          | 31,300*                   | 17,100                                          | 28,600*                   | 100             |
| 105             | 51.5           | 132.8                 | 29,000                                          | 34,200*                   | 24,500                                          | 31,600*                   | 19,900                                          | 29,000*                   | 15,300                                          | 26,500*                   | 105             |
| 110             | 49.1           | 128.5                 | 26,700                                          | 31,900*                   | 22,400                                          | 29,400*                   | 18,000                                          | 27,000*                   | 13,600                                          | 24,500*                   | 110             |
| 115             | 46.7           | 123.9                 | 24,600                                          | 29,800*                   | 20,500                                          | 27,400*                   | 16,300                                          | 25,100*                   | 12,200                                          | 22,700                    | 115             |
| 120             | 44.1           | 118.8                 | 22,700                                          | 27,900*                   | 18,700                                          | 25,600*                   | 14,800                                          | 23,300*                   | 10,800                                          | 20,800                    | 120             |
| 125             | 41.5           | 113.2                 | 20,900                                          | 26,100*                   | 17,200                                          | 23,900*                   | 13,400                                          | 21,800*                   | 9,600                                           | 19,200                    | 125             |
| 130             | 38.6           | 107.1                 | 19,300                                          | 24,400*                   | 15,700                                          | 22,400*                   | 12,100                                          | 20,300*                   | 8,500                                           | 17,600                    | 130             |
| 135             | 35.6           | 100.3                 | 17,800                                          | 22,900*                   | 14,400                                          | 20,900*                   | 10,900                                          | 18,800*                   | 7,400                                           | 16,200                    | 135             |
| 140             | 32.3           | 92.6                  | 16,500                                          | 21,500*                   | 13,100                                          | 19,600*                   | 9,800                                           | 17,400*                   | 6,400                                           | 14,900                    | 140             |
| 145             | 28.7           | 83.8                  | 15,200                                          | 20,100*                   | 12,000                                          | 18,300*                   | 8,700                                           | 16,000*                   | 5,500                                           | 13,700                    | 145             |
| 150             | 24.6           | 73.5                  | 14,000                                          | 18,900*                   | 10,900                                          | 17,000*                   | 7,800                                           | 14,800*                   | 4,700                                           | 12,500*                   | 150             |
| 155             | 19.6           | 60.6                  | 12,800                                          | 17,700*                   | 9,800                                           | 15,700*                   | 6,800                                           | 13,600*                   | 3,800                                           | 11,400*                   | 155             |
| 160             | 12.9           | 42.5                  | 11,700                                          | 15,200*                   | 8,800                                           | 14,500*                   | 5,900                                           | 12,400*                   | 3,000                                           | 10,300*                   | 160             |

# Liftcrane Boom Capacities

Boom No. 78TA With Heavy Lift Top  
0 Lb. to 95,400 Lb. Crane Counterweight  
With 25,000 Lb. Front Bumper Counterweight  
Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets  
ANSI B30.5  
Requirements



## 160 Ft. Boom

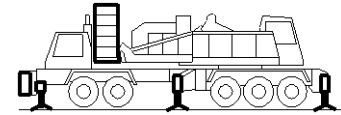
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 27,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 10,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 0 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|--------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds     | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 26                    | 82.8                 | 167.5                          | 149,100*                                        | 149,100*                           | 127,300                                         | 138,600*                           | 109,500                                    | 132,100*                           | 26                    |
| 28                    | 82.1                 | 167.2                          | 135,900                                         | 137,100*                           | 110,100                                         | 127,100*                           | 94,400                                     | 121,000*                           | 28                    |
| 30                    | 81.3                 | 166.9                          | 119,600                                         | 126,500*                           | 96,600                                          | 117,200*                           | 82,600                                     | 111,600*                           | 30                    |
| 32                    | 80.6                 | 166.5                          | 106,500                                         | 117,300*                           | 85,700                                          | 108,600*                           | 73,000                                     | 103,300*                           | 32                    |
| 34                    | 79.9                 | 166.2                          | 95,700                                          | 109,200*                           | 76,700                                          | 101,100*                           | 65,200                                     | 96,100*                            | 34                    |
| 36                    | 79.1                 | 165.8                          | 86,600                                          | 102,100*                           | 69,200                                          | 94,400*                            | 58,600                                     | 89,700*                            | 36                    |
| 38                    | 78.4                 | 165.3                          | 78,900                                          | 95,700*                            | 62,800                                          | 88,400*                            | 53,000                                     | 84,000*                            | 38                    |
| 40                    | 77.7                 | 164.9                          | 72,300                                          | 90,000*                            | 57,300                                          | 83,100*                            | 48,100                                     | 78,900*                            | 40                    |
| 45                    | 75.8                 | 163.6                          | 59,100                                          | 77,900*                            | 46,400                                          | 71,800*                            | 38,600                                     | 68,100*                            | 45                    |
| 50                    | 74.0                 | 162.2                          | 49,400                                          | 68,400*                            | 38,300                                          | 62,900*                            | 31,500                                     | 59,500*                            | 50                    |
| 55                    | 72.1                 | 160.6                          | 41,900                                          | 60,600*                            | 32,000                                          | 55,600*                            | 26,000                                     | 50,900                             | 55                    |
| 60                    | 70.2                 | 158.8                          | 35,900                                          | 54,100*                            | 27,000                                          | 49,400                             | 21,700                                     | 44,000                             | 60                    |
| 65                    | 68.3                 | 156.8                          | 31,000                                          | 48,700*                            | 23,000                                          | 43,300                             | 18,100                                     | 38,400                             | 65                    |
| 70                    | 66.3                 | 154.6                          | 27,000                                          | 44,000*                            | 19,600                                          | 38,200                             | 15,200                                     | 33,700                             | 70                    |
| 75                    | 64.3                 | 152.2                          | 23,600                                          | 40,000*                            | 16,800                                          | 33,900                             | 12,700                                     | 29,700                             | 75                    |
| 80                    | 62.3                 | 149.6                          | 20,600                                          | 36,400*                            | 14,400                                          | 30,200                             | 10,600                                     | 26,300                             | 80                    |
| 85                    | 60.2                 | 146.8                          | 18,100                                          | 32,900                             | 12,300                                          | 27,000                             | 8,700                                      | 23,400                             | 85                    |
| 90                    | 58.1                 | 143.7                          | 15,900                                          | 29,700                             | 10,400                                          | 24,200                             | 7,100                                      | 20,900                             | 90                    |
| 95                    | 56.0                 | 140.4                          | 14,000                                          | 27,000                             | 8,800                                           | 21,800                             | 5,700                                      | 18,600                             | 95                    |
| 100                   | 53.8                 | 136.7                          | 12,200                                          | 24,500                             | 7,400                                           | 19,600                             | 4,400                                      | 16,600                             | 100                   |
| 105                   | 51.5                 | 132.8                          | 10,700                                          | 22,300                             | 6,100                                           | 17,700                             | 3,300                                      | 14,800                             | 105                   |
| 110                   | 49.1                 | 128.5                          | 9,300                                           | 20,300                             | 4,900                                           | 15,900                             | 2,300                                      | 13,200                             | 110                   |
| 115                   | 46.7                 | 123.9                          | 8,000                                           | 18,500                             | 3,900                                           | 14,300                             |                                            | 11,800                             | 115                   |
| 120                   | 44.1                 | 118.8                          | 6,900                                           | 16,900                             | 2,900                                           | 12,900                             |                                            | 10,400                             | 120                   |
| 125                   | 41.5                 | 113.2                          | 5,800                                           | 15,400                             | 2,000                                           | 11,500                             |                                            | 9,200                              | 125                   |
| 130                   | 38.6                 | 107.1                          | 4,800                                           | 14,000                             |                                                 | 10,300                             |                                            | 8,100                              | 130                   |
| 135                   | 35.6                 | 100.3                          | 3,900                                           | 12,700                             |                                                 | 9,200                              |                                            | 7,100                              | 135                   |
| 140                   | 32.3                 | 92.6                           | 3,100                                           | 11,500                             |                                                 | 8,200                              |                                            | 6,100                              | 140                   |
| 145                   | 28.7                 | 83.8                           | 2,300                                           | 10,400                             |                                                 | 7,200                              |                                            | 5,200                              | 145                   |
| 150                   | 24.6                 | 73.5                           |                                                 | 9,400                              |                                                 | 6,300                              |                                            | 4,400                              | 150                   |
| 155                   | 19.6                 | 60.6                           |                                                 | 8,400                              |                                                 | 5,400                              |                                            | 3,600                              | 155                   |
| 160                   | 12.9                 | 42.5                           |                                                 | 7,400                              |                                                 | 4,500                              |                                            | 2,800                              | 160                   |

## Liftcrane Boom Capacities

Boom No. 78TA With Heavy Lift Top  
0 Lb. to 95,400 Lb. Crane Counterweight  
With 25,000 Lb. Front Bumper Counterweight  
Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets  
ANSI B30.5  
Requirements

777T



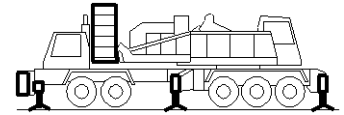
### 170 Ft. Boom

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 78,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 61,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 44,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 28                    | 82.5                 | 177.3                          | 145,400*                                        | 145,400*                           | 145,400*                                        | 145,400*                           | 145,400*                                        | 145,400*                           | 145,400*                                        | 145,400*                           | 28                    |
| 30                    | 81.8                 | 177.0                          | 140,600*                                        | 140,600*                           | 140,600*                                        | 140,600*                           | 140,600*                                        | 140,600*                           | 136,100*                                        | 136,100*                           | 30                    |
| 32                    | 81.2                 | 176.7                          | 132,200*                                        | 132,200*                           | 132,200*                                        | 132,200*                           | 132,200*                                        | 132,200*                           | 126,300*                                        | 126,300*                           | 32                    |
| 34                    | 80.5                 | 176.3                          | 124,400*                                        | 124,400*                           | 124,400*                                        | 124,400*                           | 124,400*                                        | 124,400*                           | 114,800                                         | 117,600*                           | 34                    |
| 36                    | 79.8                 | 176.0                          | 117,500*                                        | 117,500*                           | 117,500*                                        | 117,500*                           | 117,500*                                        | 117,500*                           | 104,200                                         | 110,000*                           | 36                    |
| 38                    | 79.1                 | 175.6                          | 111,400*                                        | 111,400*                           | 111,400*                                        | 111,400*                           | 110,500*                                        | 110,500*                           | 95,200                                          | 103,200*                           | 38                    |
| 40                    | 78.4                 | 175.1                          | 106,000*                                        | 106,000*                           | 106,000*                                        | 106,000*                           | 102,500                                         | 104,000*                           | 87,500                                          | 97,100*                            | 40                    |
| 45                    | 76.7                 | 174.0                          | 94,500*                                         | 94,500*                            | 94,500*                                         | 94,500*                            | 84,900                                          | 90,400*                            | 72,100                                          | 84,300*                            | 45                    |
| 50                    | 74.9                 | 172.6                          | 85,400*                                         | 85,400*                            | 83,000                                          | 85,100*                            | 71,800                                          | 79,600*                            | 60,700                                          | 74,100*                            | 50                    |
| 55                    | 73.2                 | 171.1                          | 77,900*                                         | 77,900*                            | 71,600                                          | 75,800*                            | 61,800                                          | 70,800*                            | 51,900                                          | 65,800*                            | 55                    |
| 60                    | 71.4                 | 169.4                          | 71,500                                          | 71,700*                            | 62,600                                          | 68,000*                            | 53,800                                          | 63,500*                            | 45,000                                          | 58,900*                            | 60                    |
| 65                    | 69.6                 | 167.6                          | 63,300                                          | 65,700*                            | 55,300                                          | 61,500*                            | 47,300                                          | 57,300*                            | 39,300                                          | 53,100*                            | 65                    |
| 70                    | 67.8                 | 165.6                          | 56,500                                          | 59,800*                            | 49,200                                          | 55,900*                            | 41,900                                          | 52,000*                            | 34,500                                          | 48,100*                            | 70                    |
| 75                    | 65.9                 | 163.3                          | 50,800                                          | 54,700*                            | 44,100                                          | 51,100*                            | 37,300                                          | 47,500*                            | 30,600                                          | 43,800*                            | 75                    |
| 80                    | 64.1                 | 160.9                          | 45,900                                          | 50,300*                            | 39,700                                          | 46,900*                            | 33,400                                          | 43,500*                            | 27,200                                          | 40,100*                            | 80                    |
| 85                    | 62.2                 | 158.3                          | 41,700                                          | 46,400*                            | 35,900                                          | 43,200*                            | 30,000                                          | 40,000*                            | 24,200                                          | 36,800*                            | 85                    |
| 90                    | 60.2                 | 155.5                          | 38,000                                          | 42,900*                            | 32,600                                          | 39,900*                            | 27,100                                          | 36,900*                            | 21,600                                          | 33,900*                            | 90                    |
| 95                    | 58.3                 | 152.4                          | 34,800                                          | 39,800*                            | 29,600                                          | 36,900*                            | 24,500                                          | 34,100*                            | 19,400                                          | 31,200*                            | 95                    |
| 100                   | 56.2                 | 149.1                          | 31,900                                          | 37,000*                            | 27,000                                          | 34,300*                            | 22,200                                          | 31,600*                            | 17,300                                          | 28,900*                            | 100                   |
| 105                   | 54.2                 | 145.5                          | 29,300                                          | 34,500*                            | 24,700                                          | 31,900*                            | 20,100                                          | 29,300*                            | 15,500                                          | 26,700*                            | 105                   |
| 110                   | 52.0                 | 141.6                          | 27,000                                          | 32,200*                            | 22,600                                          | 29,700*                            | 18,300                                          | 27,200*                            | 13,900                                          | 24,800*                            | 110                   |
| 115                   | 49.8                 | 137.4                          | 24,900                                          | 30,100*                            | 20,700                                          | 27,700*                            | 16,600                                          | 25,400*                            | 12,400                                          | 23,000                             | 115                   |
| 120                   | 47.6                 | 132.9                          | 23,000                                          | 28,100*                            | 19,000                                          | 25,900*                            | 15,100                                          | 23,600*                            | 11,100                                          | 21,100                             | 120                   |
| 125                   | 45.2                 | 128.0                          | 21,200                                          | 26,400*                            | 17,400                                          | 24,200*                            | 13,700                                          | 22,000*                            | 9,900                                           | 19,500                             | 125                   |
| 130                   | 42.7                 | 122.7                          | 19,600                                          | 24,700*                            | 16,000                                          | 22,600*                            | 12,400                                          | 20,600*                            | 8,800                                           | 17,900                             | 130                   |
| 135                   | 40.1                 | 116.8                          | 18,200                                          | 23,200*                            | 14,700                                          | 21,200*                            | 11,200                                          | 19,200*                            | 7,700                                           | 16,500                             | 135                   |
| 140                   | 37.4                 | 110.4                          | 16,800                                          | 21,800*                            | 13,400                                          | 19,900*                            | 10,100                                          | 17,800*                            | 6,800                                           | 15,200                             | 140                   |
| 145                   | 34.5                 | 103.3                          | 15,500                                          | 20,500*                            | 12,300                                          | 18,600*                            | 9,100                                           | 16,400*                            | 5,900                                           | 14,000                             | 145                   |
| 150                   | 31.3                 | 95.4                           | 14,300                                          | 19,200*                            | 11,200                                          | 17,400*                            | 8,100                                           | 15,200*                            | 5,000                                           | 12,900                             | 150                   |
| 155                   | 27.8                 | 86.2                           | 13,200                                          | 18,100*                            | 10,200                                          | 16,200*                            | 7,200                                           | 14,000*                            | 4,200                                           | 11,800                             | 155                   |
| 160                   | 23.8                 | 75.5                           | 12,200                                          | 17,000*                            | 9,300                                           | 15,000*                            | 6,400                                           | 12,900*                            | 3,500                                           | 10,800*                            | 160                   |
| 165                   | 19.0                 | 62.2                           | 11,200                                          | 15,900*                            | 8,400                                           | 13,900*                            | 5,600                                           | 11,900*                            | 2,800                                           | 9,800*                             | 165                   |
| 170                   | 12.5                 | 43.5                           | 10,200                                          | 13,400*                            | 7,500                                           | 12,800*                            | 4,800                                           | 10,800*                            | 2,100                                           | 8,800*                             | 170                   |

# Liftcrane Boom Capacities

Boom No. 78TA With Heavy Lift Top  
0 Lb. to 95,400 Lb. Crane Counterweight  
With 25,000 Lb. Front Bumper Counterweight  
Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets  
ANSI B30.5  
Requirements



## 170 Ft. Boom

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 27,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 10,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 0 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|--------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds     | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 28                    | 82.5                 | 177.3                          | 136,100                                         | 137,400*                           | 110,300                                         | 127,400*                           | 94,600                                     | 121,300*                           | 28                    |
| 30                    | 81.8                 | 177.0                          | 119,800                                         | 126,800*                           | 96,800                                          | 117,500*                           | 82,700                                     | 111,800*                           | 30                    |
| 32                    | 81.2                 | 176.7                          | 106,700                                         | 117,600*                           | 85,900                                          | 108,900*                           | 73,200                                     | 103,600*                           | 32                    |
| 34                    | 80.5                 | 176.3                          | 95,900                                          | 109,500*                           | 76,900                                          | 101,300*                           | 65,300                                     | 96,300*                            | 34                    |
| 36                    | 79.8                 | 176.0                          | 86,800                                          | 102,300*                           | 69,400                                          | 94,600*                            | 58,700                                     | 89,900*                            | 36                    |
| 38                    | 79.1                 | 175.6                          | 79,100                                          | 95,900*                            | 63,000                                          | 88,600*                            | 53,100                                     | 84,200*                            | 38                    |
| 40                    | 78.4                 | 175.1                          | 72,500                                          | 90,200*                            | 57,500                                          | 83,300*                            | 48,300                                     | 79,100*                            | 40                    |
| 45                    | 76.7                 | 174.0                          | 59,300                                          | 78,200*                            | 46,600                                          | 72,100*                            | 38,800                                     | 68,300*                            | 45                    |
| 50                    | 74.9                 | 172.6                          | 49,600                                          | 68,600*                            | 38,500                                          | 63,100*                            | 31,700                                     | 59,800*                            | 50                    |
| 55                    | 73.2                 | 171.1                          | 42,100                                          | 60,800*                            | 32,200                                          | 55,800*                            | 26,200                                     | 51,200*                            | 55                    |
| 60                    | 71.4                 | 169.4                          | 36,100                                          | 54,400*                            | 27,300                                          | 49,700                             | 21,900                                     | 44,200                             | 60                    |
| 65                    | 69.6                 | 167.6                          | 31,200                                          | 48,900*                            | 23,200                                          | 43,500                             | 18,400                                     | 38,600                             | 65                    |
| 70                    | 67.8                 | 165.6                          | 27,200                                          | 44,300*                            | 19,900                                          | 38,400                             | 15,400                                     | 33,900                             | 70                    |
| 75                    | 65.9                 | 163.3                          | 23,800                                          | 40,200*                            | 17,000                                          | 34,100                             | 12,900                                     | 30,000                             | 75                    |
| 80                    | 64.1                 | 160.9                          | 20,900                                          | 36,700*                            | 14,600                                          | 30,400                             | 10,800                                     | 26,600                             | 80                    |
| 85                    | 62.2                 | 158.3                          | 18,400                                          | 33,200                             | 12,500                                          | 27,300                             | 9,000                                      | 23,700                             | 85                    |
| 90                    | 60.2                 | 155.5                          | 16,200                                          | 30,000                             | 10,700                                          | 24,500                             | 7,400                                      | 21,100                             | 90                    |
| 95                    | 58.3                 | 152.4                          | 14,200                                          | 27,200                             | 9,100                                           | 22,000                             | 5,900                                      | 18,900                             | 95                    |
| 100                   | 56.2                 | 149.1                          | 12,500                                          | 24,800                             | 7,600                                           | 19,900                             | 4,700                                      | 16,900                             | 100                   |
| 105                   | 54.2                 | 145.5                          | 10,900                                          | 22,600                             | 6,400                                           | 17,900                             | 3,600                                      | 15,100                             | 105                   |
| 110                   | 52.0                 | 141.6                          | 9,600                                           | 20,600                             | 5,200                                           | 16,200                             | 2,500                                      | 13,500                             | 110                   |
| 115                   | 49.8                 | 137.4                          | 8,300                                           | 18,800                             | 4,100                                           | 14,600                             |                                            | 12,100                             | 115                   |
| 120                   | 47.6                 | 132.9                          | 7,100                                           | 17,100                             | 3,200                                           | 13,200                             |                                            | 10,700                             | 120                   |
| 125                   | 45.2                 | 128.0                          | 6,100                                           | 15,700                             | 2,300                                           | 11,800                             |                                            | 9,500                              | 125                   |
| 130                   | 42.7                 | 122.7                          | 5,100                                           | 14,300                             |                                                 | 10,600                             |                                            | 8,400                              | 130                   |
| 135                   | 40.1                 | 116.8                          | 4,200                                           | 13,000                             |                                                 | 9,500                              |                                            | 7,400                              | 135                   |
| 140                   | 37.4                 | 110.4                          | 3,400                                           | 11,800                             |                                                 | 8,500                              |                                            | 6,400                              | 140                   |
| 145                   | 34.5                 | 103.3                          | 2,600                                           | 10,800                             |                                                 | 7,500                              |                                            | 5,500                              | 145                   |
| 150                   | 31.3                 | 95.4                           |                                                 | 9,700                              |                                                 | 6,600                              |                                            | 4,700                              | 150                   |
| 155                   | 27.8                 | 86.2                           |                                                 | 8,800                              |                                                 | 5,800                              |                                            | 3,900                              | 155                   |
| 160                   | 23.8                 | 75.5                           |                                                 | 7,900                              |                                                 | 5,000                              |                                            | 3,200                              | 160                   |
| 165                   | 19.0                 | 62.2                           |                                                 | 7,000                              |                                                 | 4,200                              |                                            | 2,500                              | 165                   |
| 170                   | 12.5                 | 43.5                           |                                                 | 6,200                              |                                                 | 3,500                              |                                            |                                    | 170                   |

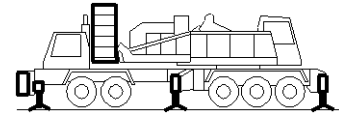
# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**

**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets  
ANSI B30.5  
Requirements

**777T**



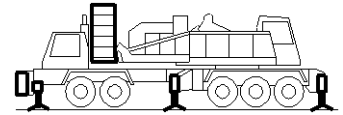
## 180 Ft. Boom

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 78,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 61,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 44,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 28                    | 82.9                 | 187.4                          | 130,900*                                        | 130,900*                           | 130,900*                                        | 130,900*                           | 130,900*                                        | 130,900*                           | 130,900*                                        | 130,900*                           | 28                    |
| 30                    | 82.3                 | 187.1                          | 126,600*                                        | 126,600*                           | 126,600*                                        | 126,600*                           | 126,600*                                        | 126,600*                           | 126,600*                                        | 126,600*                           | 30                    |
| 32                    | 81.7                 | 186.8                          | 122,400*                                        | 122,400*                           | 122,400*                                        | 122,400*                           | 122,400*                                        | 122,400*                           | 122,400*                                        | 122,400*                           | 32                    |
| 34                    | 81.0                 | 186.5                          | 118,400*                                        | 118,400*                           | 118,400*                                        | 118,400*                           | 118,400*                                        | 118,400*                           | 114,800                                         | 117,300*                           | 34                    |
| 36                    | 80.4                 | 186.1                          | 114,700*                                        | 114,700*                           | 114,700*                                        | 114,700*                           | 114,700*                                        | 114,700*                           | 104,200                                         | 109,600*                           | 36                    |
| 38                    | 79.7                 | 185.8                          | 108,700*                                        | 108,700*                           | 108,700*                                        | 108,700*                           | 108,700*                                        | 108,700*                           | 95,200                                          | 102,800*                           | 38                    |
| 40                    | 79.1                 | 185.4                          | 103,300*                                        | 103,300*                           | 103,300*                                        | 103,300*                           | 102,400                                         | 103,300*                           | 87,400                                          | 96,700*                            | 40                    |
| 45                    | 77.4                 | 184.3                          | 92,000*                                         | 92,000*                            | 92,000*                                         | 92,000*                            | 84,700                                          | 90,000*                            | 71,900                                          | 83,900*                            | 45                    |
| 50                    | 75.8                 | 183.0                          | 83,000*                                         | 83,000*                            | 82,800                                          | 83,000*                            | 71,600                                          | 79,200*                            | 60,500                                          | 73,700*                            | 50                    |
| 55                    | 74.1                 | 181.6                          | 75,700*                                         | 75,700*                            | 71,400                                          | 75,400*                            | 61,500                                          | 70,400*                            | 51,700                                          | 65,400*                            | 55                    |
| 60                    | 72.5                 | 180.0                          | 69,500*                                         | 69,500*                            | 62,400                                          | 67,600*                            | 53,500                                          | 63,100*                            | 44,700                                          | 58,500*                            | 60                    |
| 65                    | 70.8                 | 178.3                          | 63,000                                          | 64,300*                            | 55,000                                          | 61,100*                            | 47,000                                          | 56,900*                            | 39,000                                          | 52,700*                            | 65                    |
| 70                    | 69.1                 | 176.4                          | 56,200                                          | 59,400*                            | 48,900                                          | 55,500*                            | 41,600                                          | 51,600*                            | 34,200                                          | 47,700*                            | 70                    |
| 75                    | 67.4                 | 174.3                          | 50,500                                          | 54,300*                            | 43,800                                          | 50,700*                            | 37,000                                          | 47,100*                            | 30,200                                          | 43,400*                            | 75                    |
| 80                    | 65.6                 | 172.0                          | 45,600                                          | 49,900*                            | 39,400                                          | 46,500*                            | 33,100                                          | 43,100*                            | 26,800                                          | 39,700*                            | 80                    |
| 85                    | 63.8                 | 169.6                          | 41,400                                          | 45,900*                            | 35,500                                          | 42,800*                            | 29,700                                          | 39,600*                            | 23,900                                          | 36,400*                            | 85                    |
| 90                    | 62.1                 | 167.0                          | 37,700                                          | 42,500*                            | 32,200                                          | 39,500*                            | 26,800                                          | 36,400*                            | 21,300                                          | 33,400*                            | 90                    |
| 95                    | 60.2                 | 164.1                          | 34,400                                          | 39,400*                            | 29,300                                          | 36,500*                            | 24,100                                          | 33,600*                            | 19,000                                          | 30,800*                            | 95                    |
| 100                   | 58.4                 | 161.0                          | 31,500                                          | 36,600*                            | 26,700                                          | 33,900*                            | 21,800                                          | 31,100*                            | 17,000                                          | 28,400*                            | 100                   |
| 105                   | 56.4                 | 157.8                          | 29,000                                          | 34,000*                            | 24,400                                          | 31,500*                            | 19,800                                          | 28,900*                            | 15,200                                          | 26,300*                            | 105                   |
| 110                   | 54.5                 | 154.2                          | 26,600                                          | 31,700*                            | 22,300                                          | 29,300*                            | 17,900                                          | 26,800*                            | 13,500                                          | 24,400*                            | 110                   |
| 115                   | 52.5                 | 150.4                          | 24,500                                          | 29,600*                            | 20,400                                          | 27,300*                            | 16,200                                          | 24,900*                            | 12,100                                          | 22,500*                            | 115                   |
| 120                   | 50.4                 | 146.3                          | 22,600                                          | 27,700*                            | 18,700                                          | 25,500*                            | 14,700                                          | 23,200*                            | 10,700                                          | 20,700*                            | 120                   |
| 125                   | 48.3                 | 141.9                          | 20,900                                          | 25,900*                            | 17,100                                          | 23,800*                            | 13,300                                          | 21,600*                            | 9,500                                           | 19,100*                            | 125                   |
| 130                   | 46.1                 | 137.2                          | 19,300                                          | 24,300*                            | 15,600                                          | 22,200*                            | 12,000                                          | 20,100*                            | 8,400                                           | 17,600*                            | 130                   |
| 135                   | 43.8                 | 132.0                          | 17,800                                          | 22,800*                            | 14,300                                          | 20,800*                            | 10,800                                          | 18,600*                            | 7,300                                           | 16,100*                            | 135                   |
| 140                   | 41.5                 | 126.4                          | 16,400                                          | 21,400*                            | 13,100                                          | 19,400*                            | 9,700                                           | 17,200*                            | 6,400                                           | 14,800*                            | 140                   |
| 145                   | 39.0                 | 120.4                          | 15,100                                          | 20,100*                            | 11,900                                          | 18,200*                            | 8,700                                           | 15,900*                            | 5,500                                           | 13,600*                            | 145                   |
| 150                   | 36.3                 | 113.7                          | 14,000                                          | 18,800*                            | 10,900                                          | 17,000*                            | 7,800                                           | 14,700*                            | 4,700                                           | 12,400*                            | 150                   |
| 155                   | 33.5                 | 106.3                          | 12,900                                          | 17,700*                            | 9,900                                           | 15,700*                            | 6,900                                           | 13,500*                            | 3,900                                           | 11,400*                            | 155                   |
| 160                   | 30.4                 | 98.0                           | 11,800                                          | 16,600*                            | 8,900                                           | 14,600*                            | 6,000                                           | 12,400*                            | 3,100                                           | 10,300*                            | 160                   |
| 165                   | 27.0                 | 88.6                           | 10,800                                          | 15,500*                            | 8,100                                           | 13,500*                            | 5,300                                           | 11,400*                            | 2,500                                           | 9,400*                             | 165                   |
| 170                   | 23.1                 | 77.5                           | 9,900                                           | 14,400*                            | 7,200                                           | 12,400*                            | 4,500                                           | 10,400*                            |                                                 | 8,400*                             | 170                   |
| 175                   | 18.5                 | 63.8                           | 9,000                                           | 13,200*                            | 6,400                                           | 11,400*                            | 3,800                                           | 9,500*                             |                                                 | 7,500*                             | 175                   |
| 180                   | 12.1                 | 44.5                           | 8,200                                           | 10,900*                            | 5,600                                           | 10,400*                            | 3,100                                           | 8,600*                             |                                                 | 6,700*                             | 180                   |

# Liftcrane Boom Capacities

Boom No. 78TA With Heavy Lift Top  
0 Lb. to 95,400 Lb. Crane Counterweight  
With 25,000 Lb. Front Bumper Counterweight  
Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets  
ANSI B30.5  
Requirements



## 180 Ft. Boom

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 27,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 10,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 28                    | 82.9                 | 187.4                          | 130,900*                                        | 130,900*                           | 110,500                                         | 127,000*                           | 28                    |
| 30                    | 82.3                 | 187.1                          | 119,900                                         | 126,400*                           | 96,900                                          | 117,100*                           | 30                    |
| 32                    | 81.7                 | 186.8                          | 106,700                                         | 117,200*                           | 85,900                                          | 108,500*                           | 32                    |
| 34                    | 81.0                 | 186.5                          | 95,900                                          | 109,100*                           | 76,900                                          | 100,900*                           | 34                    |
| 36                    | 80.4                 | 186.1                          | 86,800                                          | 101,900*                           | 69,300                                          | 94,200*                            | 36                    |
| 38                    | 79.7                 | 185.8                          | 79,000                                          | 95,500*                            | 62,900                                          | 88,200*                            | 38                    |
| 40                    | 79.1                 | 185.4                          | 72,400                                          | 89,800*                            | 57,400                                          | 82,900*                            | 40                    |
| 45                    | 77.4                 | 184.3                          | 59,200                                          | 77,800*                            | 46,400                                          | 71,700*                            | 45                    |
| 50                    | 75.8                 | 183.0                          | 49,400                                          | 68,200*                            | 38,300                                          | 62,700*                            | 50                    |
| 55                    | 74.1                 | 181.6                          | 41,800                                          | 60,400*                            | 32,000                                          | 55,400*                            | 55                    |
| 60                    | 72.5                 | 180.0                          | 35,800                                          | 53,900*                            | 27,000                                          | 49,400*                            | 60                    |
| 65                    | 70.8                 | 178.3                          | 31,000                                          | 48,500*                            | 22,900                                          | 43,200                             | 65                    |
| 70                    | 69.1                 | 176.4                          | 26,900                                          | 43,800*                            | 19,600                                          | 38,100                             | 70                    |
| 75                    | 67.4                 | 174.3                          | 23,500                                          | 39,800*                            | 16,700                                          | 33,800                             | 75                    |
| 80                    | 65.6                 | 172.0                          | 20,600                                          | 36,300*                            | 14,300                                          | 30,100                             | 80                    |
| 85                    | 63.8                 | 169.6                          | 18,000                                          | 32,800                             | 12,200                                          | 26,900                             | 85                    |
| 90                    | 62.1                 | 167.0                          | 15,800                                          | 29,700                             | 10,400                                          | 24,100                             | 90                    |
| 95                    | 60.2                 | 164.1                          | 13,900                                          | 26,900                             | 8,700                                           | 21,700                             | 95                    |
| 100                   | 58.4                 | 161.0                          | 12,100                                          | 24,400                             | 7,300                                           | 19,500                             | 100                   |
| 105                   | 56.4                 | 157.8                          | 10,600                                          | 22,200                             | 6,000                                           | 17,600                             | 105                   |
| 110                   | 54.5                 | 154.2                          | 9,200                                           | 20,200                             | 4,800                                           | 15,800                             | 110                   |
| 115                   | 52.5                 | 150.4                          | 7,900                                           | 18,400                             | 3,800                                           | 14,200                             | 115                   |
| 120                   | 50.4                 | 146.3                          | 6,800                                           | 16,800                             | 2,800                                           | 12,800                             | 120                   |
| 125                   | 48.3                 | 141.9                          | 5,700                                           | 15,300                             |                                                 | 11,500                             | 125                   |
| 130                   | 46.1                 | 137.2                          | 4,800                                           | 13,900                             |                                                 | 10,300                             | 130                   |
| 135                   | 43.8                 | 132.0                          | 3,900                                           | 12,600                             |                                                 | 9,100                              | 135                   |
| 140                   | 41.5                 | 126.4                          | 3,000                                           | 11,500                             |                                                 | 8,100                              | 140                   |
| 145                   | 39.0                 | 120.4                          | 2,300                                           | 10,400                             |                                                 | 7,200                              | 145                   |
| 150                   | 36.3                 | 113.7                          |                                                 | 9,400                              |                                                 | 6,300                              | 150                   |
| 155                   | 33.5                 | 106.3                          |                                                 | 8,400                              |                                                 | 5,400                              | 155                   |
| 160                   | 30.4                 | 98.0                           |                                                 | 7,600                              |                                                 | 4,600                              | 160                   |
| 165                   | 27.0                 | 88.6                           |                                                 | 6,700                              |                                                 | 3,900                              | 165                   |
| 170                   | 23.1                 | 77.5                           |                                                 | 5,900                              |                                                 | 3,200                              | 170                   |
| 175                   | 18.5                 | 63.8                           |                                                 | 5,200                              |                                                 | 2,500                              | 175                   |
| 180                   | 12.1                 | 44.5                           |                                                 | 4,400                              |                                                 |                                    | 180                   |

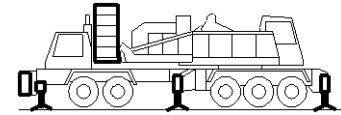
# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**

**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets  
ANSI B30.5  
Requirements

**777T**



## 190 Ft. Boom

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 78,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 61,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 44,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 30                    | 82.7                 | 197.2                          | 118,200*                                        | 118,200*                           | 118,200*                                        | 118,200*                           | 118,200*                                        | 118,200*                           | 118,200*                                        | 118,200*                           | 30                    |
| 32                    | 82.1                 | 196.9                          | 114,000*                                        | 114,000*                           | 114,000*                                        | 114,000*                           | 114,000*                                        | 114,000*                           | 114,000*                                        | 114,000*                           | 32                    |
| 34                    | 81.5                 | 196.6                          | 110,000*                                        | 110,000*                           | 110,000*                                        | 110,000*                           | 110,000*                                        | 110,000*                           | 110,000*                                        | 110,000*                           | 34                    |
| 36                    | 80.9                 | 196.3                          | 106,200*                                        | 106,200*                           | 106,200*                                        | 106,200*                           | 106,200*                                        | 106,200*                           | 104,100                                         | 106,200*                           | 36                    |
| 38                    | 80.3                 | 195.9                          | 102,600*                                        | 102,600*                           | 102,600*                                        | 102,600*                           | 102,600*                                        | 102,600*                           | 95,000                                          | 102,300*                           | 38                    |
| 40                    | 79.7                 | 195.6                          | 99,200*                                         | 99,200*                            | 99,200*                                         | 99,200*                            | 99,200*                                         | 99,200*                            | 87,200                                          | 96,200*                            | 40                    |
| 45                    | 78.1                 | 194.5                          | 89,600*                                         | 89,600*                            | 89,600*                                         | 89,600*                            | 84,500                                          | 89,500*                            | 71,700                                          | 83,400*                            | 45                    |
| 50                    | 76.6                 | 193.3                          | 80,700*                                         | 80,700*                            | 80,700*                                         | 80,700*                            | 71,400                                          | 78,700*                            | 60,200                                          | 73,200*                            | 50                    |
| 55                    | 75.0                 | 192.0                          | 73,400*                                         | 73,400*                            | 71,100                                          | 73,400*                            | 61,200                                          | 69,900*                            | 51,400                                          | 64,900*                            | 55                    |
| 60                    | 73.4                 | 190.5                          | 67,300*                                         | 67,300*                            | 62,000                                          | 67,100*                            | 53,200                                          | 62,600*                            | 44,300                                          | 58,000*                            | 60                    |
| 65                    | 71.8                 | 188.9                          | 62,300*                                         | 62,300*                            | 54,600                                          | 60,600*                            | 46,600                                          | 56,400*                            | 38,600                                          | 52,200*                            | 65                    |
| 70                    | 70.2                 | 187.1                          | 55,900                                          | 57,800*                            | 48,500                                          | 55,000*                            | 41,200                                          | 51,100*                            | 33,900                                          | 47,200*                            | 70                    |
| 75                    | 68.6                 | 185.1                          | 50,100                                          | 53,800*                            | 43,400                                          | 50,200*                            | 36,600                                          | 46,500*                            | 29,900                                          | 42,900*                            | 75                    |
| 80                    | 67.0                 | 183.0                          | 45,200                                          | 49,400*                            | 38,900                                          | 46,000*                            | 32,700                                          | 42,600*                            | 26,400                                          | 39,200*                            | 80                    |
| 85                    | 65.3                 | 180.7                          | 41,000                                          | 45,400*                            | 35,100                                          | 42,200*                            | 29,300                                          | 39,100*                            | 23,500                                          | 35,900*                            | 85                    |
| 90                    | 63.6                 | 178.3                          | 37,300                                          | 42,000*                            | 31,800                                          | 39,000*                            | 26,300                                          | 35,900*                            | 20,900                                          | 32,900*                            | 90                    |
| 95                    | 61.9                 | 175.6                          | 34,000                                          | 38,900*                            | 28,900                                          | 36,000*                            | 23,700                                          | 33,100*                            | 18,600                                          | 30,300*                            | 95                    |
| 100                   | 60.2                 | 172.8                          | 31,100                                          | 36,100*                            | 26,300                                          | 33,400*                            | 21,400                                          | 30,600*                            | 16,600                                          | 27,900*                            | 100                   |
| 105                   | 58.4                 | 169.7                          | 28,500                                          | 33,500*                            | 23,900                                          | 31,000*                            | 19,300                                          | 28,400*                            | 14,700                                          | 25,800*                            | 105                   |
| 110                   | 56.6                 | 166.4                          | 26,200                                          | 31,200*                            | 21,800                                          | 28,800*                            | 17,500                                          | 26,300*                            | 13,100                                          | 23,900*                            | 110                   |
| 115                   | 54.8                 | 162.9                          | 24,100                                          | 29,100*                            | 19,900                                          | 26,800*                            | 15,800                                          | 24,400*                            | 11,600                                          | 21,900*                            | 115                   |
| 120                   | 52.9                 | 159.2                          | 22,200                                          | 27,200*                            | 18,200                                          | 25,000*                            | 14,200                                          | 22,700*                            | 10,300                                          | 20,100*                            | 120                   |
| 125                   | 51.0                 | 155.2                          | 20,400                                          | 25,400*                            | 16,600                                          | 23,300*                            | 12,800                                          | 21,100*                            | 9,100                                           | 18,500*                            | 125                   |
| 130                   | 49.0                 | 150.9                          | 18,800                                          | 23,800*                            | 15,200                                          | 21,700*                            | 11,600                                          | 19,500*                            | 7,900                                           | 16,900*                            | 130                   |
| 135                   | 46.9                 | 146.2                          | 17,300                                          | 22,300*                            | 13,900                                          | 20,300*                            | 10,400                                          | 18,000*                            | 6,900                                           | 15,500*                            | 135                   |
| 140                   | 44.8                 | 141.3                          | 16,000                                          | 20,900*                            | 12,600                                          | 19,000*                            | 9,300                                           | 16,600*                            | 5,900                                           | 14,200*                            | 140                   |
| 145                   | 42.6                 | 135.9                          | 14,700                                          | 19,400*                            | 11,500                                          | 17,700*                            | 8,300                                           | 15,300*                            | 5,000                                           | 13,000*                            | 145                   |
| 150                   | 40.3                 | 130.1                          | 13,500                                          | 17,900*                            | 10,400                                          | 16,400*                            | 7,300                                           | 14,100*                            | 4,200                                           | 11,800*                            | 150                   |
| 155                   | 37.9                 | 123.8                          | 12,400                                          | 16,400*                            | 9,400                                           | 15,100*                            | 6,400                                           | 12,900*                            | 3,400                                           | 10,800*                            | 155                   |
| 160                   | 35.3                 | 116.8                          | 11,400                                          | 15,000*                            | 8,500                                           | 14,000*                            | 5,600                                           | 11,900*                            | 2,700                                           | 9,700*                             | 160                   |
| 165                   | 32.5                 | 109.2                          | 10,400                                          | 13,700*                            | 7,600                                           | 12,900*                            | 4,800                                           | 10,800*                            | 2,000                                           | 8,800*                             | 165                   |
| 170                   | 29.5                 | 100.6                          | 9,500                                           | 12,400*                            | 6,800                                           | 11,900*                            | 4,100                                           | 9,900*                             |                                                 | 7,900*                             | 170                   |
| 175                   | 26.2                 | 90.9                           | 8,700                                           | 11,200*                            | 6,000                                           | 10,900*                            | 3,400                                           | 9,000*                             |                                                 | 7,000*                             | 175                   |
| 180                   | 22.5                 | 79.5                           | 7,800                                           | 10,100*                            | 5,300                                           | 10,000*                            | 2,700                                           | 8,100*                             |                                                 | 6,200*                             | 180                   |
| 185                   | 17.9                 | 65.3                           | 7,000                                           | 9,000*                             | 4,600                                           | 9,000*                             | 2,100                                           | 7,200*                             |                                                 | 5,400*                             | 185                   |
| 190                   | 11.8                 | 45.5                           | 6,300                                           | 7,900*                             | 3,900                                           | 7,900*                             |                                                 | 6,400*                             |                                                 | 4,600*                             | 190                   |

# Liftcrane Boom Capacities

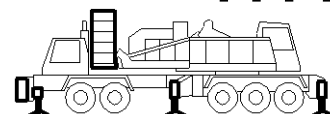
Boom No. 78TA With Heavy Lift Top

0 Lb. to 95,400 Lb. Crane Counterweight

With 25,000 Lb. Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets  
ANSI B30.5  
Requirements



## 190 Ft. Boom



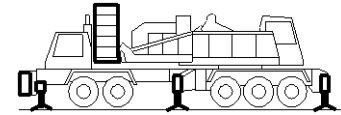
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 27,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds |
| 30                    | 82.7                 | 197.2                          | 118,200*                                        | 118,200*                           |
| 32                    | 82.1                 | 196.9                          | 106,700                                         | 114,000*                           |
| 34                    | 81.5                 | 196.6                          | 95,800                                          | 108,600*                           |
| 36                    | 80.9                 | 196.3                          | 86,600                                          | 101,400*                           |
| 38                    | 80.3                 | 195.9                          | 78,900                                          | 95,100*                            |
| 40                    | 79.7                 | 195.6                          | 72,200                                          | 89,300*                            |
| 45                    | 78.1                 | 194.5                          | 58,900                                          | 77,300*                            |
| 50                    | 76.6                 | 193.3                          | 49,100                                          | 67,700*                            |
| 55                    | 75.0                 | 192.0                          | 41,500                                          | 59,900*                            |
| 60                    | 73.4                 | 190.5                          | 35,500                                          | 53,400*                            |
| 65                    | 71.8                 | 188.9                          | 30,600                                          | 48,000*                            |
| 70                    | 70.2                 | 187.1                          | 26,500                                          | 43,300*                            |
| 75                    | 68.6                 | 185.1                          | 23,100                                          | 39,300*                            |
| 80                    | 67.0                 | 183.0                          | 20,200                                          | 35,800*                            |
| 85                    | 65.3                 | 180.7                          | 17,600                                          | 32,400                             |
| 90                    | 63.6                 | 178.3                          | 15,400                                          | 29,200                             |
| 95                    | 61.9                 | 175.6                          | 13,400                                          | 26,500                             |
| 100                   | 60.2                 | 172.8                          | 11,700                                          | 24,000                             |
| 105                   | 58.4                 | 169.7                          | 10,200                                          | 21,800                             |
| 110                   | 56.6                 | 166.4                          | 8,800                                           | 19,800                             |
| 115                   | 54.8                 | 162.9                          | 7,500                                           | 18,000                             |
| 120                   | 52.9                 | 159.2                          | 6,300                                           | 16,300                             |
| 125                   | 51.0                 | 155.2                          | 5,300                                           | 14,800                             |
| 130                   | 49.0                 | 150.9                          | 4,300                                           | 13,500                             |
| 135                   | 46.9                 | 146.2                          | 3,400                                           | 12,200                             |
| 140                   | 44.8                 | 141.3                          | 2,600                                           | 11,000                             |
| 145                   | 42.6                 | 135.9                          |                                                 | 10,000                             |
| 150                   | 40.3                 | 130.1                          |                                                 | 8,900                              |
| 155                   | 37.9                 | 123.8                          |                                                 | 8,000                              |
| 160                   | 35.3                 | 116.8                          |                                                 | 7,100                              |
| 165                   | 32.5                 | 109.2                          |                                                 | 6,300                              |
| 170                   | 29.5                 | 100.6                          |                                                 | 5,500                              |
| 175                   | 26.2                 | 90.9                           |                                                 | 4,800                              |
| 180                   | 22.5                 | 79.5                           |                                                 | 4,100                              |
| 185                   | 17.9                 | 65.3                           |                                                 | 3,400                              |
| 190                   | 11.8                 | 45.5                           |                                                 | 2,700                              |

# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**  
**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets  
ANSI B30.5  
Requirements

**777T**



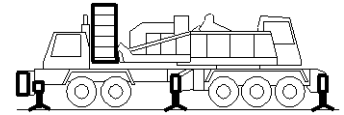
## 200 Ft. Boom

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 78,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 61,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 44,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 32                    | 82.5                 | 207.1                          | 103,700*                                        | 103,700*                           | 103,700*                                        | 103,700*                           | 103,700*                                        | 103,700*                           | 103,700*                                        | 103,700*                           | 32                    |
| 34                    | 81.9                 | 206.8                          | 100,100*                                        | 100,100*                           | 100,100*                                        | 100,100*                           | 100,100*                                        | 100,100*                           | 100,100*                                        | 100,100*                           | 34                    |
| 36                    | 81.3                 | 206.4                          | 96,600*                                         | 96,600*                            | 96,600*                                         | 96,600*                            | 96,600*                                         | 96,600*                            | 96,600*                                         | 96,600*                            | 36                    |
| 38                    | 80.8                 | 206.1                          | 93,100*                                         | 93,100*                            | 93,100*                                         | 93,100*                            | 93,100*                                         | 93,100*                            | 93,100*                                         | 93,100*                            | 38                    |
| 40                    | 80.2                 | 205.7                          | 89,600*                                         | 89,600*                            | 89,600*                                         | 89,600*                            | 89,600*                                         | 89,600*                            | 87,000                                          | 89,600*                            | 40                    |
| 45                    | 78.7                 | 204.7                          | 81,500*                                         | 81,500*                            | 81,500*                                         | 81,500*                            | 81,500*                                         | 81,500*                            | 71,500                                          | 81,500*                            | 45                    |
| 50                    | 77.2                 | 203.6                          | 74,400*                                         | 74,400*                            | 74,400*                                         | 74,400*                            | 71,100                                          | 74,400*                            | 60,000                                          | 72,800*                            | 50                    |
| 55                    | 75.8                 | 202.4                          | 68,100*                                         | 68,100*                            | 68,100*                                         | 68,100*                            | 60,900                                          | 68,100*                            | 51,100                                          | 64,400*                            | 55                    |
| 60                    | 74.3                 | 201.0                          | 62,400*                                         | 62,400*                            | 61,700                                          | 62,400*                            | 52,900                                          | 62,100*                            | 44,000                                          | 57,500*                            | 60                    |
| 65                    | 72.8                 | 199.4                          | 57,300*                                         | 57,300*                            | 54,300                                          | 57,300*                            | 46,300                                          | 55,900*                            | 38,300                                          | 51,700*                            | 65                    |
| 70                    | 71.3                 | 197.7                          | 52,800*                                         | 52,800*                            | 48,200                                          | 52,800*                            | 40,800                                          | 50,700*                            | 33,500                                          | 46,800*                            | 70                    |
| 75                    | 69.7                 | 195.9                          | 48,600*                                         | 48,600*                            | 43,000                                          | 48,600*                            | 36,200                                          | 46,100*                            | 29,500                                          | 42,500*                            | 75                    |
| 80                    | 68.2                 | 193.9                          | 44,800*                                         | 44,800*                            | 38,600                                          | 44,800*                            | 32,300                                          | 42,100*                            | 26,000                                          | 38,700*                            | 80                    |
| 85                    | 66.6                 | 191.7                          | 40,600                                          | 41,300*                            | 34,700                                          | 41,300*                            | 28,900                                          | 38,600*                            | 23,100                                          | 35,400*                            | 85                    |
| 90                    | 65.1                 | 189.4                          | 36,900                                          | 38,100*                            | 31,400                                          | 38,100*                            | 25,900                                          | 35,500*                            | 20,500                                          | 32,500*                            | 90                    |
| 95                    | 63.5                 | 186.9                          | 33,600                                          | 35,100*                            | 28,500                                          | 35,100*                            | 23,300                                          | 32,700*                            | 18,200                                          | 29,800*                            | 95                    |
| 100                   | 61.8                 | 184.3                          | 30,700                                          | 32,400*                            | 25,900                                          | 32,400*                            | 21,000                                          | 30,200*                            | 16,100                                          | 27,500*                            | 100                   |
| 105                   | 60.2                 | 181.4                          | 28,100                                          | 29,800*                            | 23,500                                          | 29,800*                            | 18,900                                          | 27,900*                            | 14,300                                          | 25,300*                            | 105                   |
| 110                   | 58.5                 | 178.4                          | 25,800                                          | 27,500*                            | 21,400                                          | 27,500*                            | 17,100                                          | 25,800*                            | 12,700                                          | 23,300*                            | 110                   |
| 115                   | 56.8                 | 175.1                          | 23,700                                          | 25,300*                            | 19,500                                          | 25,300*                            | 15,400                                          | 24,000*                            | 11,200                                          | 21,300*                            | 115                   |
| 120                   | 55.1                 | 171.7                          | 21,700                                          | 23,200*                            | 17,800                                          | 23,200*                            | 13,800                                          | 22,200*                            | 9,900                                           | 19,500*                            | 120                   |
| 125                   | 53.3                 | 168.0                          | 20,000                                          | 21,300*                            | 16,200                                          | 21,300*                            | 12,400                                          | 20,600*                            | 8,600                                           | 17,900*                            | 125                   |
| 130                   | 51.5                 | 164.0                          | 18,400                                          | 19,500*                            | 14,800                                          | 19,500*                            | 11,100                                          | 19,000*                            | 7,500                                           | 16,400*                            | 130                   |
| 135                   | 49.6                 | 159.8                          | 16,900                                          | 17,800*                            | 13,400                                          | 17,800*                            | 9,900                                           | 17,500*                            | 6,500                                           | 14,900*                            | 135                   |
| 140                   | 47.7                 | 155.3                          | 15,500                                          | 16,200*                            | 12,200                                          | 16,200*                            | 8,900                                           | 16,100*                            | 5,500                                           | 13,600*                            | 140                   |
| 145                   | 45.7                 | 150.4                          | 14,300                                          | 14,700*                            | 11,100                                          | 14,700*                            | 7,800                                           | 14,700*                            | 4,600                                           | 12,400*                            | 145                   |
| 150                   | 43.6                 | 145.3                          | 13,100                                          | 13,300*                            | 10,000                                          | 13,300*                            | 6,900                                           | 13,300*                            | 3,800                                           | 11,300*                            | 150                   |
| 155                   | 41.5                 | 139.7                          | 11,900*                                         | 11,900*                            | 9,000                                           | 11,900*                            | 6,000                                           | 11,900*                            | 3,000                                           | 10,200*                            | 155                   |
| 160                   | 39.2                 | 133.6                          | 10,600*                                         | 10,600*                            | 8,100                                           | 10,600*                            | 5,200                                           | 10,600*                            | 2,300                                           | 9,200*                             | 160                   |
| 165                   | 36.8                 | 127.1                          | 9,400*                                          | 9,400*                             | 7,200                                           | 9,400*                             | 4,400                                           | 9,400*                             |                                                 | 8,200*                             | 165                   |
| 170                   | 34.3                 | 119.9                          | 8,300*                                          | 8,300*                             | 6,400                                           | 8,300*                             | 3,700                                           | 8,300*                             |                                                 | 7,300*                             | 170                   |
| 175                   | 31.7                 | 112.0                          | 7,200*                                          | 7,200*                             | 5,600                                           | 7,200*                             | 3,000                                           | 7,200*                             |                                                 | 6,500*                             | 175                   |
| 180                   | 28.8                 | 103.2                          | 6,200*                                          | 6,200*                             | 4,900                                           | 6,200*                             | 2,300                                           | 6,200*                             |                                                 | 5,700*                             | 180                   |
| 185                   | 25.5                 | 93.1                           | 5,200*                                          | 5,200*                             | 4,200                                           | 5,200*                             |                                                 | 5,200*                             |                                                 | 4,900*                             | 185                   |
| 190                   | 21.9                 | 81.4                           | 4,200*                                          | 4,200*                             | 3,500                                           | 4,200*                             |                                                 | 4,200*                             |                                                 | 4,200*                             | 190                   |
| 195                   | 17.5                 | 66.8                           | 3,400*                                          | 3,400*                             | 2,900                                           | 3,400*                             |                                                 | 3,400*                             |                                                 | 3,400*                             | 195                   |
| 200                   | 11.4                 | 46.4                           | 2,500*                                          | 2,500*                             | 2,200                                           | 2,500*                             |                                                 | 2,500*                             |                                                 | 2,500*                             | 200                   |

# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**  
**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets  
ANSI B30.5  
Requirements



## 210 Ft. Boom

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 78,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 61,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 44,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 34                    | 82.3                 | 216.9                          | 100,800*                                        | 100,800*                           | 100,800*                                        | 100,800*                           | 100,800*                                        | 100,800*                           | 100,800*                                        | 100,800*                           | 34                    |
| 36                    | 81.8                 | 216.6                          | 97,900*                                         | 97,900*                            | 97,900*                                         | 97,900*                            | 97,900*                                         | 97,900*                            | 97,900*                                         | 97,900*                            | 36                    |
| 38                    | 81.2                 | 216.2                          | 95,000*                                         | 95,000*                            | 95,000*                                         | 95,000*                            | 95,000*                                         | 95,000*                            | 94,500                                          | 95,000*                            | 38                    |
| 40                    | 80.7                 | 215.9                          | 92,300*                                         | 92,300*                            | 92,300*                                         | 92,300*                            | 92,300*                                         | 92,300*                            | 86,700                                          | 92,300*                            | 40                    |
| 45                    | 79.3                 | 215.0                          | 86,100*                                         | 86,100*                            | 86,100*                                         | 86,100*                            | 83,900                                          | 86,100*                            | 71,100                                          | 82,400*                            | 45                    |
| 50                    | 77.9                 | 213.9                          | 78,000*                                         | 78,000*                            | 78,000*                                         | 78,000*                            | 70,700                                          | 77,700*                            | 59,600                                          | 72,200*                            | 50                    |
| 55                    | 76.5                 | 212.7                          | 70,800*                                         | 70,800*                            | 70,400                                          | 70,800*                            | 60,600                                          | 68,900*                            | 50,700                                          | 63,900*                            | 55                    |
| 60                    | 75.1                 | 211.4                          | 64,800*                                         | 64,800*                            | 61,300                                          | 64,800*                            | 52,500                                          | 61,600*                            | 43,600                                          | 57,000*                            | 60                    |
| 65                    | 73.6                 | 209.9                          | 59,800*                                         | 59,800*                            | 53,900                                          | 59,600*                            | 45,900                                          | 55,400*                            | 37,900                                          | 51,200*                            | 65                    |
| 70                    | 72.2                 | 208.3                          | 55,100                                          | 55,200*                            | 47,800                                          | 54,000*                            | 40,400                                          | 50,100*                            | 33,100                                          | 46,300*                            | 70                    |
| 75                    | 70.8                 | 206.6                          | 49,300                                          | 51,200*                            | 42,600                                          | 49,200*                            | 35,800                                          | 45,600*                            | 29,100                                          | 42,000*                            | 75                    |
| 80                    | 69.3                 | 204.7                          | 44,400                                          | 47,700*                            | 38,200                                          | 45,000*                            | 31,900                                          | 41,600*                            | 25,600                                          | 38,200*                            | 80                    |
| 85                    | 67.8                 | 202.6                          | 40,200                                          | 44,500*                            | 34,300                                          | 41,300*                            | 28,500                                          | 38,100*                            | 22,700                                          | 34,900*                            | 85                    |
| 90                    | 66.3                 | 200.5                          | 36,500                                          | 41,000*                            | 31,000                                          | 38,000*                            | 25,500                                          | 35,000*                            | 20,100                                          | 32,000*                            | 90                    |
| 95                    | 64.8                 | 198.1                          | 33,200                                          | 37,900*                            | 28,000                                          | 35,100*                            | 22,900                                          | 32,200*                            | 17,800                                          | 29,300*                            | 95                    |
| 100                   | 63.3                 | 195.6                          | 30,300                                          | 35,100*                            | 25,400                                          | 32,400*                            | 20,600                                          | 29,700*                            | 15,700                                          | 27,000*                            | 100                   |
| 105                   | 61.8                 | 192.9                          | 27,700                                          | 32,600*                            | 23,100                                          | 30,000*                            | 18,500                                          | 27,400*                            | 13,900                                          | 24,800*                            | 105                   |
| 110                   | 60.2                 | 190.1                          | 25,400                                          | 30,300*                            | 21,000                                          | 27,800*                            | 16,600                                          | 25,400*                            | 12,300                                          | 22,700*                            | 110                   |
| 115                   | 58.6                 | 187.1                          | 23,200                                          | 28,200*                            | 19,100                                          | 25,900*                            | 14,900                                          | 23,500*                            | 10,800                                          | 20,700*                            | 115                   |
| 120                   | 57.0                 | 183.8                          | 21,300                                          | 26,300*                            | 17,400                                          | 24,000*                            | 13,400                                          | 21,800*                            | 9,500                                           | 18,900*                            | 120                   |
| 125                   | 55.3                 | 180.4                          | 19,600                                          | 24,500*                            | 15,800                                          | 22,400*                            | 12,000                                          | 20,000*                            | 8,200                                           | 17,300*                            | 125                   |
| 130                   | 53.6                 | 176.7                          | 18,000                                          | 22,900*                            | 14,300                                          | 20,800*                            | 10,700                                          | 18,400*                            | 7,100                                           | 15,800*                            | 130                   |
| 135                   | 51.9                 | 172.8                          | 16,500                                          | 21,400*                            | 13,000                                          | 19,400*                            | 9,500                                           | 16,900*                            | 6,100                                           | 14,400*                            | 135                   |
| 140                   | 50.1                 | 168.7                          | 15,100                                          | 20,000*                            | 11,800                                          | 17,900*                            | 8,400                                           | 15,500*                            | 5,100                                           | 13,100*                            | 140                   |
| 145                   | 48.3                 | 164.3                          | 13,900                                          | 18,700*                            | 10,600                                          | 16,500*                            | 7,400                                           | 14,200*                            | 4,200                                           | 11,900*                            | 145                   |
| 150                   | 46.4                 | 159.6                          | 12,700                                          | 17,400*                            | 9,600                                           | 15,200*                            | 6,500                                           | 13,000*                            | 3,400                                           | 10,700*                            | 150                   |
| 155                   | 44.5                 | 154.5                          | 11,600                                          | 16,200*                            | 8,600                                           | 14,000*                            | 5,600                                           | 11,800*                            | 2,600                                           | 9,600*                             | 155                   |
| 160                   | 42.5                 | 149.1                          | 10,600                                          | 15,000*                            | 7,700                                           | 12,900*                            | 4,800                                           | 10,800*                            |                                                 | 8,600*                             | 160                   |
| 165                   | 40.4                 | 143.3                          | 9,600                                           | 13,800*                            | 6,800                                           | 11,800*                            | 4,000                                           | 9,800*                             |                                                 | 7,700*                             | 165                   |
| 170                   | 38.2                 | 137.1                          | 8,700                                           | 12,800*                            | 6,000                                           | 10,800*                            | 3,300                                           | 8,800*                             |                                                 | 6,800*                             | 170                   |
| 175                   | 35.9                 | 130.3                          | 7,900                                           | 11,800*                            | 5,200                                           | 9,800*                             | 2,600                                           | 7,900*                             |                                                 | 6,000*                             | 175                   |
| 180                   | 33.5                 | 122.9                          | 7,100                                           | 10,800*                            | 4,500                                           | 8,900*                             | 2,000                                           | 7,000*                             |                                                 | 5,200*                             | 180                   |
| 185                   | 30.9                 | 114.7                          | 6,300                                           | 9,900*                             | 3,800                                           | 8,100*                             |                                                 | 6,200*                             |                                                 | 4,400*                             | 185                   |
| 190                   | 28.0                 | 105.6                          | 5,600                                           | 9,000*                             | 3,200                                           | 7,200*                             |                                                 | 5,500*                             |                                                 | 3,700*                             | 190                   |
| 195                   | 24.9                 | 95.3                           | 4,900                                           | 8,200*                             | 2,500                                           | 6,500*                             |                                                 | 4,700*                             |                                                 | 3,000*                             | 195                   |
| 200                   | 21.3                 | 83.2                           | 4,200                                           | 7,400*                             |                                                 | 5,700*                             |                                                 | 4,000*                             |                                                 | 2,300*                             | 200                   |
| 205                   | 17.0                 | 68.3                           | 3,600                                           | 6,300*                             |                                                 | 5,000*                             |                                                 | 3,300*                             |                                                 |                                    | 205                   |
| 210                   | 11.2                 | 47.3                           | 2,900                                           | 4,500*                             |                                                 | 4,200*                             |                                                 | 2,600*                             |                                                 |                                    | 210                   |

# Liftcrane Boom Capacities

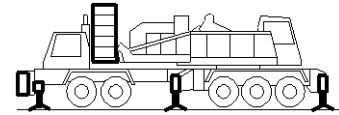
Boom No. 78TA With Heavy Lift Top

0 Lb. to 95,400 Lb. Crane Counterweight

With 25,000 Lb. Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets  
ANSI B30.5  
Requirements



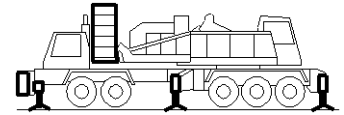
## 220 Ft. Boom

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 78,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 61,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 36                    | 82.1                 | 226.7                          | 101,400*                                        | 101,400*                           | 101,400*                                        | 101,400*                           | 101,400*                                        | 101,400*                           | 36                    |
| 38                    | 81.6                 | 226.4                          | 97,900*                                         | 97,900*                            | 97,900*                                         | 97,900*                            | 97,900*                                         | 97,900*                            | 38                    |
| 40                    | 81.1                 | 226.0                          | 92,800*                                         | 92,800*                            | 92,800*                                         | 92,800*                            | 92,800*                                         | 92,800*                            | 40                    |
| 45                    | 79.8                 | 225.1                          | 82,200*                                         | 82,200*                            | 82,200*                                         | 82,200*                            | 82,200*                                         | 82,200*                            | 45                    |
| 50                    | 78.4                 | 224.1                          | 73,800*                                         | 73,800*                            | 73,800*                                         | 73,800*                            | 70,800                                          | 73,800*                            | 50                    |
| 55                    | 77.1                 | 223.0                          | 66,900*                                         | 66,900*                            | 66,900*                                         | 66,900*                            | 60,600                                          | 66,900*                            | 55                    |
| 60                    | 75.7                 | 221.7                          | 61,200*                                         | 61,200*                            | 61,200*                                         | 61,200*                            | 52,600                                          | 61,200*                            | 60                    |
| 65                    | 74.4                 | 220.3                          | 56,400*                                         | 56,400*                            | 54,000                                          | 56,400*                            | 46,000                                          | 55,500*                            | 65                    |
| 70                    | 73.0                 | 218.8                          | 52,300*                                         | 52,300*                            | 47,800                                          | 52,300*                            | 40,500                                          | 50,200*                            | 70                    |
| 75                    | 71.7                 | 217.2                          | 48,700*                                         | 48,700*                            | 42,700                                          | 48,700*                            | 35,900                                          | 45,700*                            | 75                    |
| 80                    | 70.3                 | 215.4                          | 44,500                                          | 45,500*                            | 38,200                                          | 45,100*                            | 32,000                                          | 41,700*                            | 80                    |
| 85                    | 68.9                 | 213.4                          | 40,200                                          | 42,600*                            | 34,400                                          | 41,400*                            | 28,600                                          | 38,200*                            | 85                    |
| 90                    | 67.5                 | 211.4                          | 36,500                                          | 40,000*                            | 31,100                                          | 38,100*                            | 25,600                                          | 35,100*                            | 90                    |
| 95                    | 66.1                 | 209.2                          | 33,300                                          | 37,700*                            | 28,100                                          | 35,100*                            | 23,000                                          | 32,300*                            | 95                    |
| 100                   | 64.6                 | 206.8                          | 30,300                                          | 35,200*                            | 25,500                                          | 32,500*                            | 20,600                                          | 29,800*                            | 100                   |
| 105                   | 63.2                 | 204.3                          | 27,800                                          | 32,700*                            | 23,200                                          | 30,100*                            | 18,600                                          | 27,500*                            | 105                   |
| 110                   | 61.7                 | 201.6                          | 25,400                                          | 30,400*                            | 21,100                                          | 27,900*                            | 16,700                                          | 25,500*                            | 110                   |
| 115                   | 60.2                 | 198.8                          | 23,300                                          | 28,300*                            | 19,200                                          | 25,900*                            | 15,000                                          | 23,600*                            | 115                   |
| 120                   | 58.7                 | 195.7                          | 21,400                                          | 26,400*                            | 17,400                                          | 24,100*                            | 13,500                                          | 21,900*                            | 120                   |
| 125                   | 57.1                 | 192.5                          | 19,600                                          | 24,600*                            | 15,900                                          | 22,400*                            | 12,100                                          | 20,100*                            | 125                   |
| 130                   | 55.5                 | 189.1                          | 18,000                                          | 23,000*                            | 14,400                                          | 20,900*                            | 10,800                                          | 18,500*                            | 130                   |
| 135                   | 53.9                 | 185.5                          | 16,600                                          | 21,500*                            | 13,100                                          | 19,500*                            | 9,600                                           | 17,000*                            | 135                   |
| 140                   | 52.3                 | 181.6                          | 15,200                                          | 20,100*                            | 11,900                                          | 18,000*                            | 8,500                                           | 15,600*                            | 140                   |
| 145                   | 50.6                 | 177.6                          | 13,900                                          | 18,800*                            | 10,700                                          | 16,600*                            | 7,500                                           | 14,300*                            | 145                   |
| 150                   | 48.9                 | 173.2                          | 12,800                                          | 17,500*                            | 9,700                                           | 15,300*                            | 6,600                                           | 13,100*                            | 150                   |
| 155                   | 47.1                 | 168.6                          | 11,700                                          | 16,300*                            | 8,700                                           | 14,100*                            | 5,700                                           | 11,900*                            | 155                   |
| 160                   | 45.3                 | 163.7                          | 10,600                                          | 15,100*                            | 7,800                                           | 13,000*                            | 4,900                                           | 10,900*                            | 160                   |
| 165                   | 43.4                 | 158.5                          | 9,700                                           | 13,900*                            | 6,900                                           | 11,900*                            | 4,100                                           | 9,900*                             | 165                   |
| 170                   | 41.4                 | 152.9                          | 8,800                                           | 12,900*                            | 6,100                                           | 10,900*                            | 3,400                                           | 8,900*                             | 170                   |
| 175                   | 39.4                 | 146.9                          | 7,900                                           | 11,900*                            | 5,300                                           | 9,900*                             | 2,700                                           | 8,000*                             | 175                   |
| 180                   | 37.3                 | 140.4                          | 7,100                                           | 10,900*                            | 4,600                                           | 9,000*                             | 2,000                                           | 7,200*                             | 180                   |
| 185                   | 35.0                 | 133.4                          | 6,400                                           | 10,000*                            | 3,900                                           | 8,200*                             |                                                 | 6,400*                             | 185                   |
| 190                   | 32.7                 | 125.8                          | 5,700                                           | 9,100*                             | 3,300                                           | 7,400*                             |                                                 | 5,600*                             | 190                   |
| 195                   | 30.1                 | 117.4                          | 5,000                                           | 8,300*                             | 2,700                                           | 6,600*                             |                                                 | 4,900*                             | 195                   |
| 200                   | 27.4                 | 108.0                          | 4,300                                           | 7,500*                             | 2,100                                           | 5,800*                             |                                                 | 4,200*                             | 200                   |
| 205                   | 24.3                 | 97.4                           | 3,700                                           | 6,800*                             |                                                 | 5,100*                             |                                                 | 3,500*                             | 205                   |
| 210                   | 20.8                 | 85.0                           | 3,100                                           | 6,100*                             |                                                 | 4,400*                             |                                                 | 2,800*                             | 210                   |
| 215                   | 16.6                 | 69.7                           | 2,500                                           | 5,000*                             |                                                 | 3,800*                             |                                                 | 2,200*                             | 215                   |
| 220                   | 10.9                 | 48.2                           | 2,000                                           | 3,300*                             |                                                 | 3,100*                             |                                                 |                                    | 220                   |

# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**  
**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets  
ANSI B30.5  
Requirements



## 230 Ft. Boom

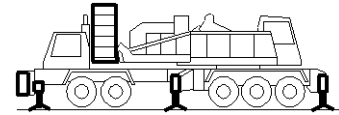
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 78,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 61,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 38                    | 82.0                 | 236.5                          | 94,800*                                         | 94,800*                            | 94,800*                                         | 94,800*                            | 94,800*                                         | 94,800*                            | 38                    |
| 40                    | 81.5                 | 236.2                          | 90,600*                                         | 90,600*                            | 90,600*                                         | 90,600*                            | 90,600*                                         | 90,600*                            | 40                    |
| 45                    | 80.2                 | 235.3                          | 80,200*                                         | 80,200*                            | 80,200*                                         | 80,200*                            | 80,200*                                         | 80,200*                            | 45                    |
| 50                    | 78.9                 | 234.3                          | 71,900*                                         | 71,900*                            | 71,900*                                         | 71,900*                            | 70,600                                          | 71,900*                            | 50                    |
| 55                    | 77.7                 | 233.3                          | 65,100*                                         | 65,100*                            | 65,100*                                         | 65,100*                            | 60,400                                          | 65,100*                            | 55                    |
| 60                    | 76.4                 | 232.0                          | 59,500*                                         | 59,500*                            | 59,500*                                         | 59,500*                            | 52,200                                          | 59,500*                            | 60                    |
| 65                    | 75.1                 | 230.7                          | 54,700*                                         | 54,700*                            | 53,700                                          | 54,700*                            | 45,600                                          | 54,700*                            | 65                    |
| 70                    | 73.8                 | 229.3                          | 50,700*                                         | 50,700*                            | 47,500                                          | 50,700*                            | 40,200                                          | 49,800*                            | 70                    |
| 75                    | 72.5                 | 227.7                          | 47,100*                                         | 47,100*                            | 42,300                                          | 47,100*                            | 35,500                                          | 45,200*                            | 75                    |
| 80                    | 71.2                 | 226.0                          | 43,900*                                         | 43,900*                            | 37,900                                          | 43,900*                            | 31,600                                          | 41,200*                            | 80                    |
| 85                    | 69.8                 | 224.2                          | 39,900                                          | 41,100*                            | 34,000                                          | 40,900*                            | 28,200                                          | 37,700*                            | 85                    |
| 90                    | 68.5                 | 222.2                          | 36,100                                          | 38,600*                            | 30,700                                          | 37,600*                            | 25,200                                          | 34,600*                            | 90                    |
| 95                    | 67.2                 | 220.1                          | 32,900                                          | 36,300*                            | 27,700                                          | 34,700*                            | 22,600                                          | 31,800*                            | 95                    |
| 100                   | 65.8                 | 217.9                          | 29,900                                          | 34,200*                            | 25,100                                          | 32,000*                            | 20,200                                          | 29,300*                            | 100                   |
| 105                   | 64.4                 | 215.5                          | 27,300                                          | 32,200*                            | 22,800                                          | 29,600*                            | 18,200                                          | 27,000*                            | 105                   |
| 110                   | 63.0                 | 213.0                          | 25,000                                          | 29,900*                            | 20,600                                          | 27,400*                            | 16,300                                          | 25,000*                            | 110                   |
| 115                   | 61.6                 | 210.3                          | 22,900                                          | 27,800*                            | 18,700                                          | 25,500*                            | 14,600                                          | 23,100*                            | 115                   |
| 120                   | 60.2                 | 207.4                          | 21,000                                          | 25,900*                            | 17,000                                          | 23,600*                            | 13,000                                          | 21,300*                            | 120                   |
| 125                   | 58.7                 | 204.4                          | 19,200                                          | 24,100*                            | 15,400                                          | 22,000*                            | 11,600                                          | 19,500*                            | 125                   |
| 130                   | 57.2                 | 201.2                          | 17,600                                          | 22,500*                            | 14,000                                          | 20,400*                            | 10,400                                          | 17,900*                            | 130                   |
| 135                   | 55.7                 | 197.8                          | 16,100                                          | 21,000*                            | 12,600                                          | 18,900*                            | 9,200                                           | 16,400*                            | 135                   |
| 140                   | 54.2                 | 194.2                          | 14,800                                          | 19,600*                            | 11,400                                          | 17,400*                            | 8,100                                           | 15,000*                            | 140                   |
| 145                   | 52.6                 | 190.4                          | 13,500                                          | 18,300*                            | 10,300                                          | 16,000*                            | 7,100                                           | 13,700*                            | 145                   |
| 150                   | 51.0                 | 186.4                          | 12,300                                          | 16,900*                            | 9,200                                           | 14,700*                            | 6,100                                           | 12,500*                            | 150                   |
| 155                   | 49.4                 | 182.2                          | 11,200                                          | 15,700*                            | 8,200                                           | 13,500*                            | 5,200                                           | 11,300*                            | 155                   |
| 160                   | 47.7                 | 177.6                          | 10,200                                          | 14,500*                            | 7,300                                           | 12,400*                            | 4,400                                           | 10,300*                            | 160                   |
| 165                   | 46.0                 | 172.9                          | 9,200                                           | 13,300*                            | 6,400                                           | 11,300*                            | 3,600                                           | 9,300*                             | 165                   |
| 170                   | 44.2                 | 167.8                          | 8,300                                           | 12,300*                            | 5,600                                           | 10,300*                            | 2,900                                           | 8,300*                             | 170                   |
| 175                   | 42.4                 | 162.4                          | 7,500                                           | 11,300*                            | 4,900                                           | 9,400*                             | 2,200                                           | 7,400*                             | 175                   |
| 180                   | 40.5                 | 156.6                          | 6,700                                           | 10,300*                            | 4,200                                           | 8,500*                             |                                                 | 6,600*                             | 180                   |
| 185                   | 38.5                 | 150.4                          | 5,900                                           | 9,200*                             | 3,500                                           | 7,600*                             |                                                 | 5,800*                             | 185                   |
| 190                   | 36.4                 | 143.7                          | 5,200                                           | 8,300*                             | 2,800                                           | 6,800*                             |                                                 | 5,000*                             | 190                   |
| 195                   | 34.2                 | 136.5                          | 4,600                                           | 7,300*                             | 2,200                                           | 6,000*                             |                                                 | 4,300*                             | 195                   |
| 200                   | 31.9                 | 128.6                          | 3,900                                           | 6,400*                             |                                                 | 5,300*                             |                                                 | 3,600*                             | 200                   |
| 205                   | 29.4                 | 120.0                          | 3,300                                           | 5,500*                             |                                                 | 4,600*                             |                                                 | 2,900*                             | 205                   |
| 210                   | 26.7                 | 110.4                          | 2,700                                           | 4,700*                             |                                                 | 3,900*                             |                                                 | 2,300*                             | 210                   |
| 215                   | 23.7                 | 99.5                           | 2,100                                           | 3,800*                             |                                                 | 3,300*                             |                                                 |                                    | 215                   |
| 220                   | 20.3                 | 86.8                           |                                                 | 3,100*                             |                                                 | 2,600*                             |                                                 |                                    | 220                   |
| 225                   | 16.2                 | 71.1                           |                                                 | 2,300*                             |                                                 | 2,000*                             |                                                 |                                    | 225                   |

# Liftcrane Boom Capacities

Boom No. 78TA With Heavy Lift Top  
0 Lb. to 95,400 Lb. Crane Counterweight  
With 25,000 Lb. Front Bumper Counterweight  
Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets  
ANSI B30.5  
Requirements

**777T**



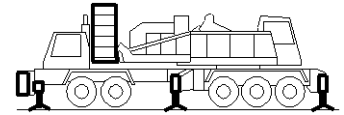
## 240 Ft. Boom

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 78,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | Oper.<br>Rad.<br>Feet |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|------------------------------------|-----------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds |                       |
| 40                    | 81.8                 | 246.3                          | 83,800*                                         | 83,800*                            | 83,800*                                         | 83,800*                            | 40                    |
| 45                    | 80.6                 | 245.5                          | 78,600*                                         | 78,600*                            | 78,600*                                         | 78,600*                            | 45                    |
| 50                    | 79.4                 | 244.5                          | 70,200*                                         | 70,200*                            | 70,200*                                         | 70,200*                            | 50                    |
| 55                    | 78.2                 | 243.5                          | 63,500*                                         | 63,500*                            | 63,500*                                         | 63,500*                            | 55                    |
| 60                    | 77.0                 | 242.4                          | 57,900*                                         | 57,900*                            | 57,900*                                         | 57,900*                            | 60                    |
| 65                    | 75.7                 | 241.1                          | 53,100*                                         | 53,100*                            | 53,100*                                         | 53,100*                            | 65                    |
| 70                    | 74.5                 | 239.7                          | 49,100*                                         | 49,100*                            | 47,100                                          | 49,100*                            | 70                    |
| 75                    | 73.2                 | 238.2                          | 45,500*                                         | 45,500*                            | 41,900                                          | 45,500*                            | 75                    |
| 80                    | 72.0                 | 236.6                          | 42,400*                                         | 42,400*                            | 37,500                                          | 42,400*                            | 80                    |
| 85                    | 70.7                 | 234.8                          | 39,500                                          | 39,600*                            | 33,600                                          | 39,600*                            | 85                    |
| 90                    | 69.5                 | 233.0                          | 35,700                                          | 37,100*                            | 30,300                                          | 37,100*                            | 90                    |
| 95                    | 68.2                 | 231.0                          | 32,400                                          | 34,800*                            | 27,300                                          | 34,200*                            | 95                    |
| 100                   | 66.9                 | 228.8                          | 29,500                                          | 32,800*                            | 24,700                                          | 31,500*                            | 100                   |
| 105                   | 65.6                 | 226.6                          | 26,900                                          | 30,900*                            | 22,300                                          | 29,100*                            | 105                   |
| 110                   | 64.2                 | 224.2                          | 24,600                                          | 29,100*                            | 20,200                                          | 26,900*                            | 110                   |
| 115                   | 62.9                 | 221.6                          | 22,400                                          | 26,800*                            | 18,300                                          | 25,000*                            | 115                   |
| 120                   | 61.5                 | 218.9                          | 20,500                                          | 24,700*                            | 16,600                                          | 23,100*                            | 120                   |
| 125                   | 60.2                 | 216.1                          | 18,800                                          | 22,700*                            | 15,000                                          | 21,500*                            | 125                   |
| 130                   | 58.8                 | 213.1                          | 17,100                                          | 20,900*                            | 13,500                                          | 19,900*                            | 130                   |
| 135                   | 57.4                 | 209.9                          | 15,700                                          | 19,100*                            | 12,200                                          | 18,300*                            | 135                   |
| 140                   | 55.9                 | 206.5                          | 14,300                                          | 17,500*                            | 11,000                                          | 16,800*                            | 140                   |
| 145                   | 54.5                 | 202.9                          | 13,000                                          | 16,000*                            | 9,800                                           | 15,400*                            | 145                   |
| 150                   | 53.0                 | 199.2                          | 11,900                                          | 14,500*                            | 8,800                                           | 14,100*                            | 150                   |
| 155                   | 51.4                 | 195.2                          | 10,800                                          | 13,200*                            | 7,800                                           | 12,900*                            | 155                   |
| 160                   | 49.9                 | 191.1                          | 9,700                                           | 11,900*                            | 6,800                                           | 11,800*                            | 160                   |
| 165                   | 48.3                 | 186.6                          | 8,800                                           | 10,600*                            | 6,000                                           | 10,600*                            | 165                   |
| 170                   | 46.7                 | 182.0                          | 7,900                                           | 9,500*                             | 5,200                                           | 9,500*                             | 170                   |
| 175                   | 45.0                 | 177.0                          | 7,000                                           | 8,300*                             | 4,400                                           | 8,300*                             | 175                   |
| 180                   | 43.2                 | 171.7                          | 6,200                                           | 7,300*                             | 3,700                                           | 7,300*                             | 180                   |
| 185                   | 41.4                 | 166.1                          | 5,500                                           | 6,300*                             | 3,000                                           | 6,300*                             | 185                   |
| 190                   | 39.6                 | 160.2                          | 4,800                                           | 5,300*                             | 2,400                                           | 5,300*                             | 190                   |
| 195                   | 37.6                 | 153.8                          | 4,100                                           | 4,400*                             |                                                 | 4,400*                             | 195                   |
| 200                   | 35.6                 | 146.9                          | 3,400                                           | 3,500*                             |                                                 | 3,500*                             | 200                   |
| 205                   | 33.5                 | 139.5                          | 2,600*                                          | 2,600*                             |                                                 | 2,600*                             | 205                   |
| 210                   | 31.2                 | 131.4                          | 2,300                                           |                                    |                                                 |                                    | 210                   |

# Liftcrane Boom Capacities

**Boom No. 78TA With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**  
**Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets  
ANSI B30.5  
Requirements



**250 Ft. Boom**

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds |
| 45                    | 81.0                 | 255.6                          | 76,900*                                         | 76,900*                            |
| 50                    | 79.8                 | 254.7                          | 68,700*                                         | 68,700*                            |
| 55                    | 78.7                 | 253.7                          | 61,900*                                         | 61,900*                            |
| 60                    | 77.5                 | 252.6                          | 56,400*                                         | 56,400*                            |
| 65                    | 76.3                 | 251.4                          | 51,700*                                         | 51,700*                            |
| 70                    | 75.1                 | 250.1                          | 47,600*                                         | 47,600*                            |
| 75                    | 73.9                 | 248.7                          | 44,100*                                         | 44,100*                            |
| 80                    | 72.7                 | 247.1                          | 41,000*                                         | 41,000*                            |
| 85                    | 71.5                 | 245.4                          | 38,300*                                         | 38,300*                            |
| 90                    | 70.3                 | 243.7                          | 35,200                                          | 35,800*                            |
| 95                    | 69.1                 | 241.7                          | 31,900                                          | 33,500*                            |
| 100                   | 67.8                 | 239.7                          | 29,000                                          | 31,500*                            |
| 105                   | 66.6                 | 237.6                          | 26,400                                          | 29,600*                            |
| 110                   | 65.3                 | 235.3                          | 24,100                                          | 27,900*                            |
| 115                   | 64.1                 | 232.9                          | 21,900                                          | 26,300*                            |
| 120                   | 62.8                 | 230.3                          | 20,000                                          | 24,800*                            |
| 125                   | 61.5                 | 227.6                          | 18,300                                          | 23,100*                            |
| 130                   | 60.2                 | 224.7                          | 16,600                                          | 21,500*                            |
| 135                   | 58.8                 | 221.7                          | 15,200                                          | 19,900*                            |
| 140                   | 57.5                 | 218.5                          | 13,800                                          | 18,400*                            |
| 145                   | 56.1                 | 215.2                          | 12,500                                          | 16,900*                            |
| 150                   | 54.7                 | 211.7                          | 11,300                                          | 15,600*                            |
| 155                   | 53.3                 | 208.0                          | 10,300                                          | 14,300*                            |
| 160                   | 51.8                 | 204.1                          | 9,200                                           | 13,100*                            |
| 165                   | 50.3                 | 199.9                          | 8,300                                           | 12,000*                            |
| 170                   | 48.8                 | 195.6                          | 7,400                                           | 11,000*                            |
| 175                   | 47.2                 | 191.0                          | 6,500                                           | 10,000*                            |
| 180                   | 45.6                 | 186.2                          | 5,700                                           | 9,100*                             |
| 185                   | 44.0                 | 181.0                          | 5,000                                           | 8,200*                             |
| 190                   | 42.3                 | 175.6                          | 4,300                                           | 7,300*                             |
| 195                   | 40.6                 | 169.8                          | 3,600                                           | 6,500*                             |
| 200                   | 38.7                 | 163.7                          | 3,000                                           | 5,700*                             |
| 205                   | 36.9                 | 157.1                          | 2,300                                           | 5,000*                             |
| 210                   | 34.9                 | 150.0                          |                                                 | 4,300*                             |
| 215                   | 32.8                 | 142.4                          |                                                 | 3,600*                             |
| 220                   | 30.6                 | 134.1                          |                                                 | 3,000*                             |
| 225                   | 28.2                 | 125.0                          |                                                 | 2,400*                             |

**260 Ft. Boom**

| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds |
| 45                    | 81.3                 | 265.8                          | 73,700*                                         | 73,700*                            |
| 50                    | 80.2                 | 264.9                          | 67,400*                                         | 67,400*                            |
| 55                    | 79.1                 | 263.9                          | 60,700*                                         | 60,700*                            |
| 60                    | 78.0                 | 262.9                          | 55,200*                                         | 55,200*                            |
| 65                    | 76.9                 | 261.7                          | 50,500*                                         | 50,500*                            |
| 70                    | 75.7                 | 260.4                          | 46,500*                                         | 46,500*                            |
| 75                    | 74.6                 | 259.1                          | 43,000*                                         | 43,000*                            |
| 80                    | 73.4                 | 257.6                          | 40,000*                                         | 40,000*                            |
| 85                    | 72.3                 | 256.0                          | 37,300*                                         | 37,300*                            |
| 90                    | 71.1                 | 254.3                          | 34,800                                          | 34,800*                            |
| 95                    | 69.9                 | 252.5                          | 31,500                                          | 32,600*                            |
| 100                   | 68.7                 | 250.5                          | 28,600                                          | 30,600*                            |
| 105                   | 67.6                 | 248.5                          | 26,000                                          | 28,800*                            |
| 110                   | 66.4                 | 246.3                          | 23,600                                          | 27,100*                            |
| 115                   | 65.1                 | 244.0                          | 21,500                                          | 25,500*                            |
| 120                   | 63.9                 | 241.5                          | 19,600                                          | 23,900*                            |
| 125                   | 62.7                 | 239.0                          | 17,800                                          | 22,400*                            |
| 130                   | 61.4                 | 236.2                          | 16,200                                          | 20,600*                            |
| 135                   | 60.2                 | 233.4                          | 14,700                                          | 19,000*                            |
| 140                   | 58.9                 | 230.4                          | 13,300                                          | 17,400*                            |
| 145                   | 57.6                 | 227.2                          | 12,100                                          | 16,000*                            |
| 150                   | 56.2                 | 223.9                          | 10,900                                          | 14,700*                            |
| 155                   | 54.9                 | 220.4                          | 9,800                                           | 13,400*                            |
| 160                   | 53.5                 | 216.7                          | 8,800                                           | 12,200*                            |
| 165                   | 52.1                 | 212.9                          | 7,800                                           | 11,200*                            |
| 170                   | 50.7                 | 208.8                          | 6,900                                           | 10,100*                            |
| 175                   | 49.3                 | 204.5                          | 6,000                                           | 9,200*                             |
| 180                   | 47.8                 | 200.0                          | 5,300                                           | 8,200*                             |
| 185                   | 46.3                 | 195.3                          | 4,500                                           | 7,400*                             |
| 190                   | 44.7                 | 190.3                          | 3,800                                           | 6,600*                             |
| 195                   | 43.1                 | 185.0                          | 3,100                                           | 5,800*                             |
| 200                   | 41.4                 | 179.4                          | 2,500                                           | 5,000*                             |
| 205                   | 39.7                 | 173.4                          |                                                 | 4,300*                             |
| 210                   | 38.0                 | 167.1                          |                                                 | 3,700*                             |
| 215                   | 36.1                 | 160.3                          |                                                 | 3,000*                             |
| 220                   | 34.2                 | 153.1                          |                                                 | 2,400*                             |