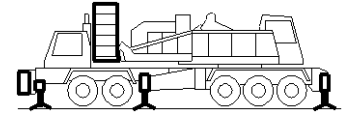


# Liftcrane Boom Capacities

**Boom No. 78T With Heavy Lift Top  
0 Lb. to 95,400 Lb. Crane Counterweight  
With or Without 25,000 Lb. Front Bumper Counterweight  
Rating Over Rear or 360 Degrees On Fully Retracted 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 (\*). Capacities indicated by (b) require 5,800 Lb. minimum block weight.

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

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 retracted 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. 192043**, Wire Rope Specification chart **No. 7973-A** and Operating Range Diagram chart **No. 7974-C**. 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.

**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 and with or without 25,000 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

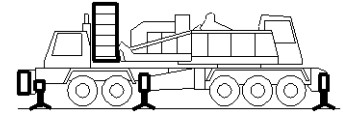
Meets  
ANSI B30.5  
Requirements

**Boom No. 78T With Heavy Lift Top**

**0 Lb. to 95,400 Lb. Crane Counterweight**

**With or Without 25,000 Lb. Front Bumper Counterweight**

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



**777T**

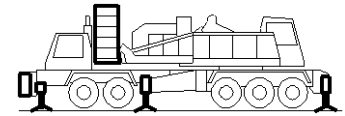
| Maximum Boom and Jib Lengths Lifted Unassisted On Outriggers                                                                                                                                                                                               |             |                                        |             |                                            |             |                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------------------------|-------------|--------------------------------------------|-------------|-----------------------------------------|
| Over Rear of Outriggers                                                                                                                                                                                                                                    |             | Over Side of Fully Extended Outriggers |             | Over Side of Partially Extended Outriggers |             | Over Side of Fully Retracted Outriggers |
| Boom Length                                                                                                                                                                                                                                                | Jib No. 134 | Boom Length                            | Jib No. 134 | Boom Length                                | Jib No. 134 | Boom Length                             |
| 95,400 Lb. Crane Counterweight + 25,000 Lb. Front Bumper Cwt.                                                                                                                                                                                              |             |                                        |             |                                            |             |                                         |
| (a) 270 Ft.                                                                                                                                                                                                                                                | ---         | 220 Ft.                                | ---         | Not Allowed                                |             | Not Allowed                             |
| (b) 260 Ft.                                                                                                                                                                                                                                                | ---         | 210 Ft.                                | ---         |                                            |             |                                         |
| 250 Ft.                                                                                                                                                                                                                                                    | ---         | 200 Ft.                                | 30 Ft.      |                                            |             |                                         |
| 240 Ft.                                                                                                                                                                                                                                                    | 30 Ft.      | 190 Ft.                                | 60 Ft.      |                                            |             |                                         |
| 230 Ft.                                                                                                                                                                                                                                                    | 50 Ft.      | 180 Ft.                                | 80 Ft.      |                                            |             |                                         |
| 220 Ft.                                                                                                                                                                                                                                                    | 80 Ft.      |                                        |             |                                            |             |                                         |
| 95,400 Lb. Crane Counterweight                                                                                                                                                                                                                             |             |                                        |             |                                            |             |                                         |
| (c) 240 Ft.                                                                                                                                                                                                                                                | ---         | 220 Ft.                                | ---         | Not Allowed                                |             | Not Allowed                             |
| 230 Ft.                                                                                                                                                                                                                                                    | ---         | 210 Ft.                                | ---         |                                            |             |                                         |
| 220 Ft.                                                                                                                                                                                                                                                    | ---         | 200 Ft.                                | 30 Ft.      |                                            |             |                                         |
| 210 Ft.                                                                                                                                                                                                                                                    | 40 Ft.      | 190 Ft.                                | 60 Ft.      |                                            |             |                                         |
| 200 Ft.                                                                                                                                                                                                                                                    | 70 Ft.      | 180 Ft.                                | 80 Ft.      |                                            |             |                                         |
| 190 Ft.                                                                                                                                                                                                                                                    | 80 Ft.      |                                        |             |                                            |             |                                         |
| 78,400 Lb. Crane Counterweight                                                                                                                                                                                                                             |             |                                        |             |                                            |             |                                         |
| 220 Ft.                                                                                                                                                                                                                                                    | ---         | 200 Ft.                                | ---         | 180 Ft.                                    | ---         | Not Allowed                             |
| 210 Ft.                                                                                                                                                                                                                                                    | ---         | 190 Ft.                                | ---         | 170 Ft.                                    | ---         |                                         |
| 200 Ft.                                                                                                                                                                                                                                                    | 30 Ft.      | 180 Ft.                                | 50 Ft.      | 160 Ft.                                    | 40 Ft.      |                                         |
| 190 Ft.                                                                                                                                                                                                                                                    | 60 Ft.      | 170 Ft.                                | 70 Ft.      | 150 Ft.                                    | 70 Ft.      |                                         |
| 180 Ft.                                                                                                                                                                                                                                                    | 80 Ft.      | 160 Ft.                                | 80 Ft.      | 140 Ft.                                    | 80 Ft.      |                                         |
|                                                                                                                                                                                                                                                            |             |                                        |             |                                            |             |                                         |
| 61,400 Lb. Crane Counterweight                                                                                                                                                                                                                             |             |                                        |             |                                            |             |                                         |
| 200 Ft.                                                                                                                                                                                                                                                    | ---         | 180 Ft.                                | ---         | 160 Ft.                                    | ---         | Not Allowed                             |
| 190 Ft.                                                                                                                                                                                                                                                    | ---         | 170 Ft.                                | 30 Ft.      | 150 Ft.                                    | ---         |                                         |
| 180 Ft.                                                                                                                                                                                                                                                    | 40 Ft.      | 160 Ft.                                | 50 Ft.      | 140 Ft.                                    | 50 Ft.      |                                         |
| 170 Ft.                                                                                                                                                                                                                                                    | 70 Ft.      | 150 Ft.                                | 70 Ft.      | 130 Ft.                                    | 80 Ft.      |                                         |
| 160 Ft.                                                                                                                                                                                                                                                    | 80 Ft.      | 140 Ft.                                | 80 Ft.      |                                            |             |                                         |
|                                                                                                                                                                                                                                                            |             |                                        |             |                                            |             |                                         |
| 44,400 Lb. Crane Counterweight                                                                                                                                                                                                                             |             |                                        |             |                                            |             |                                         |
| 180 Ft.                                                                                                                                                                                                                                                    | ---         | 160 Ft.                                | ---         | 140 Ft.                                    | ---         | Not Allowed                             |
| 170 Ft.                                                                                                                                                                                                                                                    | ---         | 150 Ft.                                | 30 Ft.      | 130 Ft.                                    | 30 Ft.      |                                         |
| 160 Ft.                                                                                                                                                                                                                                                    | 40 Ft.      | 140 Ft.                                | 60 Ft.      | 120 Ft.                                    | 60 Ft.      |                                         |
| 150 Ft.                                                                                                                                                                                                                                                    | 70 Ft.      | 130 Ft.                                | 80 Ft.      | 110 Ft.                                    | 80 Ft.      |                                         |
| 140 Ft.                                                                                                                                                                                                                                                    | 80 Ft.      |                                        |             |                                            |             |                                         |
|                                                                                                                                                                                                                                                            |             |                                        |             |                                            |             |                                         |
| Load block, hook and weight ball on ground at start. (a) Upper boom point and auxiliary drum cannot be used on 270 Ft. boom. (b) Upper boom point cannot be used on 260 Ft. boom over rear. (c) Upper boom point cannot be used on 240 Ft. boom over rear. |             |                                        |             |                                            |             |                                         |

| Maximum Boom<br>and Jib Lengths<br>Lifted Unassisted 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                                                   |                |                |
| 95,400 Lb. Crane Counterweight                                   |                |                |
| 150 Ft.                                                          | ---            | Not<br>Allowed |
| 140 Ft.                                                          | ---            |                |
| 130 Ft.                                                          | 40 Ft.         |                |
| 120 Ft.                                                          | 70 Ft.         |                |
| 110 Ft.                                                          | 80 Ft.         |                |
| 78,400 Lb. Crane Counterweight                                   |                |                |
| 130 Ft.                                                          | ---            | Not<br>Allowed |
| 120 Ft.                                                          | 30 Ft.         |                |
| 110 Ft.                                                          | 50 Ft.         |                |
| 100 Ft.                                                          | 80 Ft.         |                |
| 61,400 Lb. Crane Counterweight                                   |                |                |
| 120 Ft.                                                          | ---            | Not<br>Allowed |
| 110 Ft.                                                          | ---            |                |
| 100 Ft.                                                          | 40 Ft.         |                |
| 44,400 Lb. Crane Counterweight                                   |                |                |
| 100 Ft.                                                          | ---            | Not<br>Allowed |
| Load block, hook and weight<br>ball on ground at start.          |                |                |

# Liftcrane Boom Capacities

**Boom No. 78T With Heavy Lift Top**  
**0 Lb. to 95,400 Lb. Crane Counterweight**  
**With or Without 25,000 Lb. Front Bumper Counterweight**  
**Rating Over Rear or 360 Degrees On Fully Retracted Outriggers**

Meets  
ANSI B30.5  
Requirements



| Maximum Boom and Jib Lengths Lifted Unassisted On Outriggers |             |                                        |             |                                            |             |                                         |
|--------------------------------------------------------------|-------------|----------------------------------------|-------------|--------------------------------------------|-------------|-----------------------------------------|
| Over Rear of Outriggers                                      |             | Over Side of Fully Extended Outriggers |             | Over Side of Partially Extended Outriggers |             | Over Side of Fully Retracted Outriggers |
| Boom Length                                                  | Jib No. 134 | Boom Length                            | Jib No. 134 | Boom Length                                | Jib No. 134 | Boom Length                             |
| 27,400 Lb. Crane Counterweight                               |             |                                        |             |                                            |             |                                         |
| 160 Ft.                                                      | ---         | 140 Ft.                                | ---         | 120 Ft.                                    | ---         | 70 Ft.                                  |
| 150 Ft.                                                      | ---         | 130 Ft.                                | 30 Ft.      | 110 Ft.                                    | ---         |                                         |
| 140 Ft.                                                      | 50 Ft.      | 120 Ft.                                | 60 Ft.      | 100 Ft.                                    | 50 Ft.      |                                         |
| 130 Ft.                                                      | 80 Ft.      | 110 Ft.                                | 80 Ft.      |                                            |             |                                         |
| 10,400 Lb. Crane Counterweight                               |             |                                        |             |                                            |             |                                         |
| 140 Ft.                                                      | ---         | 120 Ft.                                | ---         | 100 Ft.                                    | ---         | 42.5 Ft.                                |
| 130 Ft.                                                      | ---         | 110 Ft.                                | ---         |                                            |             |                                         |
| 120 Ft.                                                      | 50 Ft.      | 100 Ft.                                | 50 Ft.      |                                            |             |                                         |
| 110 Ft.                                                      | 70 Ft.      |                                        |             |                                            |             |                                         |
| 100 Ft.                                                      | 80 Ft.      |                                        |             |                                            |             |                                         |
| 0 Lb. Crane Counterweight                                    |             |                                        |             |                                            |             |                                         |
| 130 Ft.                                                      | ---         | 100 Ft.                                | ---         | 80 Ft.                                     | ---         |                                         |
| 120 Ft.                                                      | ---         |                                        |             |                                            |             |                                         |
| 110 Ft.                                                      | 40 Ft.      |                                        |             |                                            |             |                                         |
| 100 Ft.                                                      | 60 Ft.      |                                        |             |                                            |             | Not Allowed                             |
| Load block, hook and weight ball on ground at start.         |             |                                        |             |                                            |             |                                         |

| Maximum Boom and Jib Lengths Lifted Unassisted On Rubber |             |             |
|----------------------------------------------------------|-------------|-------------|
| Over Rear                                                |             | Over Side   |
| Boom Length                                              | Jib No. 134 | Boom Length |
| 27,400 Lb. Crane Counterweight                           |             |             |
| 80 Ft.                                                   | ---         | Not Allowed |
| 10,400 Lb. Crane Counterweight                           |             |             |
| 60 Ft.                                                   | ---         | 42.5 Ft.    |
| 0 Lb. Crane Counterweight                                |             |             |
| 42.5 Ft.                                                 | ---         | Not Allowed |
| Load block, hook and weight ball on ground at start.     |             |             |

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

Refer to chart **No. 8063-A, -B or -C** (0, 8,000 or 25,000 Lb. front bumper counterweight [FBC]) for fully extended outrigger boom capacities, chart **No. 8094-A, -C or -E** (0, 8,000 or 25,000 Lb. FBC) for straight over rear on rubber boom capacities, chart **No. 8094-B, -D or -F** (0, 8,000 or 25,000 Lb. FBC) for over side sector on rubber boom capacities, chart **No. 8095-A** for partially extended outrigger boom capacities and chart **No. 8096-A** for fully retracted outrigger boom capacities.

# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top

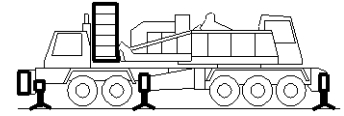
0 Lb. to 95,400 Lb. Crane Counterweight

With or Without 25,000 Lb. Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Retracted Outriggers

Meets  
ANSI B30.5  
Requirements

**777T**



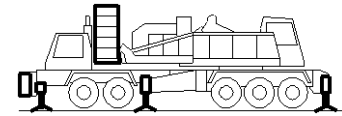
## 42.5 Ft. Boom

| 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. |                                    | 95,400 Lb.<br>Crane Counterweight      |                                    | 78,400 Lb.<br>Crane Counterweight      |                                    | 61,400 Lb.<br>Crane Counterweight      |                                    | 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*                           | ↑                                      | 359,200*                           | 12                    |
| 13                    | 80.2                 | 50.1                           |                                                 | 364,000*                           |                                        | 361,000*                           |                                        | 350,500*                           |                                        | 339,900*                           | 13                    |
| 14                    | 78.8                 | 49.8                           |                                                 | 352,000*                           |                                        | 342,500*                           |                                        | 332,500*                           |                                        | 322,500*                           | 14                    |
| 15                    | 77.4                 | 49.6                           |                                                 | 332,600*                           |                                        | 325,800*                           |                                        | 316,200*                           |                                        | 304,600*                           | 15                    |
| 16                    | 76.0                 | 49.3                           |                                                 | 312,800*                           |                                        | 310,500*                           |                                        | 299,600*                           |                                        | 286,400*                           | 16                    |
| 17                    | 74.6                 | 48.9                           | NOT<br>ALLOWED                                  | 295,200*                           | NOT<br>ALLOWED                         | 295,200*                           | NOT<br>ALLOWED                         | 282,700*                           | NOT<br>ALLOWED                         | 270,200*                           | 17                    |
| 18                    | 73.1                 | 48.6                           |                                                 | 279,400*                           |                                        | 279,400*                           |                                        | 267,500*                           |                                        | 255,700*                           | 18                    |
| 19                    | 71.7                 | 48.2                           |                                                 | 265,100*                           |                                        | 265,100*                           |                                        | 253,800*                           |                                        | 242,500*                           | 19                    |
| 20                    | 70.2                 | 47.8                           |                                                 | 252,100*                           |                                        | 252,100*                           |                                        | 241,400*                           |                                        | 230,600*                           | 20                    |
| 22                    | 67.2                 | 46.9                           |                                                 | 229,500*                           |                                        | 229,500*                           |                                        | 219,700*                           |                                        | 208,600*                           | 22                    |
| 24                    | 64.1                 | 45.8                           | NOT<br>ALLOWED                                  | 210,400*                           | NOT<br>ALLOWED                         | 210,400*                           | NOT<br>ALLOWED                         | 200,900*                           | NOT<br>ALLOWED                         | 189,100*                           | 24                    |
| 26                    | 61.0                 | 44.6                           |                                                 | 194,100*                           |                                        | 194,100*                           |                                        | 183,500*                           |                                        | 172,700*                           | 26                    |
| 28                    | 57.7                 | 43.3                           |                                                 | 178,800*                           |                                        | 178,800*                           |                                        | 168,800*                           |                                        | 158,800*                           | 28                    |
| 30                    | 54.2                 | 41.8                           |                                                 | 165,400*                           |                                        | 165,400*                           |                                        | 156,100*                           |                                        | 146,800*                           | 30                    |
| 32                    | 50.6                 | 40.0                           |                                                 | 153,700*                           |                                        | 153,700*                           |                                        | 145,000*                           |                                        | 136,300*                           | 32                    |
| 34                    | 46.8                 | 38.1                           | ↓                                               | 143,400*                           | ↓                                      | 143,400*                           | ↓                                      | 135,200*                           | ↓                                      | 127,100*                           | 34                    |
| 36                    | 42.7                 | 35.8                           |                                                 | 134,300*                           |                                        | 134,300*                           |                                        | 126,600*                           |                                        | 118,900*                           | 36                    |
| 38                    | 38.2                 | 33.2                           |                                                 | 126,100*                           |                                        | 126,100*                           |                                        | 118,800*                           |                                        | 111,600*                           | 38                    |
| 40                    | 33.1                 | 30.0                           |                                                 | 118,800*                           |                                        | 118,800*                           |                                        | 111,900*                           |                                        | 104,300                            | 40                    |
| 45                    | 12.7                 | 16.0                           |                                                 | 98,100*                            |                                        | 98,100*                            |                                        | 96,900*                            |                                        | 84,800                             | 45                    |

# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top  
0 Lb. to 95,400 Lb. Crane Counterweight  
With or Without 25,000 Lb. Front Bumper Counterweight  
Rating Over Rear or 360 Degrees On Fully Retracted 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 | 44,400 Lb.<br>Crane Counterweight      |                                    | 27,400 Lb.<br>Crane Counterweight      |                                    | 10,400 Lb.<br>Crane Counterweight      |                                    | 0 Lb.<br>Crane Counterweight           |                                    | 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                           | ↑<br>NOT<br>ALLOWED<br>↓               | 348,200*                           | 163,100b                               | 337,100*                           | 116,400                                | 317,700*                           | 87,900                                 | 304,800*                           | 12                    |
| 13                    | 80.2                 | 50.1                           |                                        | 329,400*                           | 141,600b                               | 314,500*                           | 100,500                                | 294,800*                           | 75,500                                 | 282,800*                           | 13                    |
| 14                    | 78.8                 | 49.8                           |                                        | 310,200*                           | 124,700b                               | 293,300*                           | 88,100                                 | 274,800*                           | 65,800                                 | 263,600*                           | 14                    |
| 15                    | 77.4                 | 49.6                           |                                        | 290,600*                           | 111,100                                | 274,600*                           | 78,100                                 | 257,300*                           | 58,000                                 | 246,800*                           | 15                    |
| 16                    | 76.0                 | 49.3                           |                                        | 273,200*                           | 100,000                                | 258,100*                           | 69,900                                 | 241,700*                           | 51,600                                 | 231,800*                           | 16                    |
| 17                    | 74.6                 | 48.9                           |                                        | 257,700*                           | 90,600                                 | 243,300*                           | 63,100                                 | 227,800*                           | 46,300                                 | 217,700*                           | 17                    |
| 18                    | 73.1                 | 48.6                           |                                        | 243,800*                           | 82,700                                 | 229,600*                           | 57,200                                 | 213,600*                           | 41,700                                 | 203,900*                           | 18                    |
| 19                    | 71.7                 | 48.2                           |                                        | 231,000*                           | 75,900                                 | 216,000*                           | 52,200                                 | 200,900*                           | 37,800                                 | 191,700*                           | 19                    |
| 20                    | 70.2                 | 47.8                           |                                        | 218,000*                           | 70,000                                 | 203,700*                           | 47,900                                 | 189,500*                           | 34,400                                 | 180,800*                           | 20                    |
| 22                    | 67.2                 | 46.9                           |                                        | 195,700*                           | 60,200                                 | 182,800*                           | 40,700                                 | 169,900*                           | 28,800                                 | 161,700                            | 22                    |
| 24                    | 64.1                 | 45.8                           |                                        | 177,300*                           | 52,500                                 | 165,600*                           | 35,000                                 | 153,800*                           | 24,300                                 | 129,600                            | 24                    |
| 26                    | 61.0                 | 44.6                           |                                        | 161,900*                           | 46,200                                 | 151,100*                           | 30,300                                 | 128,700                            | 20,600                                 | 107,400                            | 26                    |
| 28                    | 57.7                 | 43.3                           |                                        | 148,800*                           | 40,900                                 | 138,800*                           | 26,400                                 | 109,600                            | 17,600                                 | 91,100                             | 28                    |
| 30                    | 54.2                 | 41.8                           |                                        | 137,500*                           | 36,500                                 | 121,700                            | 23,100                                 | 94,900                             | 15,000                                 | 78,600                             | 30                    |
| 32                    | 50.6                 | 40.0                           |                                        | 127,600*                           | 32,700                                 | 107,300                            | 20,300                                 | 83,300                             | 12,800                                 | 68,700                             | 32                    |
| 34                    | 46.8                 | 38.1                           |                                        | 117,200                            | 29,400                                 | 95,500                             | 17,800                                 | 73,800                             | 10,800                                 | 60,600                             | 34                    |
| 36                    | 42.7                 | 35.8                           |                                        | 105,600                            | 26,400                                 | 85,800                             | 15,700                                 | 66,000                             | 9,100                                  | 53,900                             | 36                    |
| 38                    | 38.2                 | 33.2                           |                                        | 95,800                             | 23,900                                 | 77,600                             | 13,700                                 | 59,400                             | 7,600                                  | 48,300                             | 38                    |
| 40                    | 33.1                 | 30.0                           |                                        | 87,400                             | 21,500                                 | 70,600                             | 12,000                                 | 53,700                             | 6,200                                  | 43,400                             | 40                    |
| 45                    | 12.7                 | 16.0                           |                                        | 70,600                             | 16,300                                 | 56,300                             | 7,900                                  | 42,100                             | 2,800                                  | 33,400                             | 45                    |

# Liftcrane Boom Capacities

**Boom No. 78T With Heavy Lift Top**

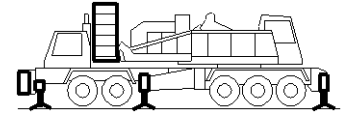
**0 Lb. to 95,400 Lb. Crane Counterweight**

**With or Without 25,000 Lb. Front Bumper Counterweight**

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

Meets  
ANSI B30.5  
Requirements

**777T**



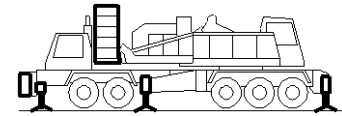
## 60 Ft. Boom

| 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. |                                    | 95,400 Lb.<br>Crane Counterweight      |                                    | 78,400 Lb.<br>Crane Counterweight      |                                    | 61,400 Lb.<br>Crane Counterweight      |                                    | 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 |                       |
| 13                    | 83.2                 | 68.4                           | ↑                                               | 364,000*                           | ↑                                      |                                    | ↑                                      |                                    | ↑                                      |                                    | 13                    |
| 14                    | 82.2                 | 68.2                           |                                                 | 349,900*                           |                                        |                                    |                                        |                                    |                                        |                                    | 14                    |
| 15                    | 81.3                 | 68.0                           |                                                 | 331,600*                           |                                        |                                    |                                        |                                    |                                        |                                    | 15                    |
| 16                    | 80.3                 | 67.8                           |                                                 | 311,800*                           |                                        |                                    |                                        |                                    |                                        |                                    | 16                    |
| 17                    | 79.3                 | 67.6                           |                                                 | 294,300*                           |                                        |                                    |                                        |                                    |                                        |                                    | 17                    |
| 18                    | 78.3                 | 67.4                           | N<br>O<br>T                                     | 278,500*                           | N<br>O<br>T                            |                                    | N<br>O<br>T                            |                                    | N<br>O<br>T                            |                                    | 18                    |
| 19                    | 77.3                 | 67.1                           |                                                 | 264,200*                           |                                        |                                    |                                        |                                    |                                        |                                    | 19                    |
| 20                    | 76.4                 | 66.8                           |                                                 | 251,300*                           |                                        |                                    |                                        |                                    |                                        |                                    | 20                    |
| 22                    | 74.4                 | 66.2                           |                                                 | 228,800*                           |                                        |                                    |                                        |                                    |                                        |                                    | 22                    |
| 24                    | 72.3                 | 65.5                           |                                                 | 209,800*                           |                                        |                                    |                                        |                                    |                                        |                                    | 24                    |
| 26                    | 70.3                 | 64.8                           | A<br>L<br>L<br>O<br>W<br>E<br>D                 | 193,500*                           | A<br>L<br>L<br>O<br>W<br>E<br>D        |                                    | A<br>L<br>L<br>O<br>W<br>E<br>D        |                                    | A<br>L<br>L<br>O<br>W<br>E<br>D        |                                    | 26                    |
| 28                    | 68.2                 | 63.9                           |                                                 | 178,600*                           |                                        |                                    |                                        |                                    |                                        |                                    | 28                    |
| 30                    | 66.1                 | 63.0                           |                                                 | 165,200*                           |                                        |                                    |                                        |                                    |                                        |                                    | 30                    |
| 32                    | 64.0                 | 61.9                           |                                                 | 153,600*                           |                                        |                                    |                                        |                                    |                                        |                                    | 32                    |
| 34                    | 61.8                 | 60.8                           |                                                 | 143,400*                           |                                        |                                    |                                        |                                    |                                        |                                    | 34                    |
| 36                    | 59.5                 | 59.6                           | ↓                                               | 134,300*                           | ↓                                      |                                    | ↓                                      |                                    | ↓                                      |                                    | 36                    |
| 38                    | 57.2                 | 58.2                           |                                                 | 126,200*                           |                                        |                                    |                                        |                                    |                                        |                                    | 38                    |
| 40                    | 54.9                 | 56.8                           |                                                 | 119,000*                           |                                        |                                    |                                        |                                    |                                        |                                    | 40                    |
| 45                    | 48.6                 | 52.5                           |                                                 | 103,700*                           |                                        |                                    |                                        |                                    |                                        |                                    | 45                    |
| 50                    | 41.6                 | 47.1                           |                                                 | 91,600*                            |                                        |                                    |                                        |                                    |                                        |                                    | 50                    |
| 55                    | 33.3                 | 40.0                           | ↓                                               | 81,600*                            | ↓                                      |                                    | ↓                                      |                                    | ↓                                      |                                    | 55                    |
| 60                    | 22.1                 | 29.4                           |                                                 | 73,200*                            |                                        |                                    |                                        |                                    |                                        |                                    | 60                    |

# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top  
0 Lb. to 95,400 Lb. Crane Counterweight  
With or Without 25,000 Lb. Front Bumper Counterweight  
Rating Over Rear or 360 Degrees On Fully Retracted Outriggers

Meets  
ANSI B30.5  
Requirements



## 60 Ft. Boom

| Oper. Rad. Feet | Boom Ang. Deg. | Boom Point Elev. Feet | 44,400 Lb. Crane Counterweight |                           | 27,400 Lb. Crane Counterweight |                           | 10,400 Lb. Crane Counterweight |                           | 0 Lb. Crane Counterweight     |                           | 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 |                 |
| 14              | 82.2           | 68.2                  | NOT ALLOWED                    | 309,100*                  | 125,500                        | 291,900*                  | 88,900                         | 273,500*                  | 66,600                        | 262,300*                  | 14              |
| 15              | 81.3           | 68.0                  |                                | 289,500*                  | 111,800                        | 273,300*                  | 78,800                         | 256,000*                  | 58,700                        | 245,500*                  | 15              |
| 16              | 80.3           | 67.8                  |                                | 272,200*                  | 100,600                        | 256,800*                  | 70,500                         | 240,500*                  | 52,200                        | 230,600*                  | 16              |
| 17              | 79.3           | 67.6                  |                                | 256,800*                  | 91,200                         | 242,100*                  | 63,600                         | 226,700*                  | 46,800                        | 217,200*                  | 17              |
| 18              | 78.3           | 67.4                  |                                | 242,900*                  | 83,200                         | 228,900*                  | 57,700                         | 213,200*                  | 42,200                        | 203,500*                  | 18              |
| 19              | 77.3           | 67.1                  |                                | 230,400*                  | 76,400                         | 215,500*                  | 52,700                         | 200,500*                  | 38,300                        | 191,300*                  | 19              |
| 20              | 76.4           | 66.8                  |                                | 217,600*                  | 70,400                         | 203,300*                  | 48,300                         | 189,100*                  | 34,800                        | 180,400*                  | 20              |
| 22              | 74.4           | 66.2                  |                                | 195,400*                  | 60,600                         | 182,500*                  | 41,000                         | 169,600*                  | 29,100                        | 161,700*                  | 22              |
| 24              | 72.3           | 65.5                  |                                | 177,000*                  | 52,800                         | 165,300*                  | 35,300                         | 153,500*                  | 24,600                        | 133,100                   | 24              |
| 26              | 70.3           | 64.8                  |                                | 161,600*                  | 46,500                         | 150,800*                  | 30,600                         | 131,800                   | 21,000                        | 110,400                   | 26              |
| 28              | 68.2           | 63.9                  |                                | 148,600*                  | 41,200                         | 138,500*                  | 26,700                         | 112,300                   | 17,900                        | 93,700                    | 28              |
| 30              | 66.1           | 63.0                  |                                | 137,300*                  | 36,800                         | 124,100                   | 23,500                         | 97,300                    | 15,400                        | 81,000                    | 30              |
| 32              | 64.0           | 61.9                  |                                | 127,500*                  | 33,000                         | 109,500                   | 20,700                         | 85,500                    | 13,200                        | 70,900                    | 32              |
| 34              | 61.8           | 60.8                  |                                | 118,800*                  | 29,800                         | 97,700                    | 18,300                         | 76,000                    | 11,300                        | 62,800                    | 34              |
| 36              | 59.5           | 59.6                  |                                | 107,700                   | 26,900                         | 87,900                    | 16,100                         | 68,100                    | 9,600                         | 56,000                    | 36              |
| 38              | 57.2           | 58.2                  |                                | 97,900                    | 24,400                         | 79,600                    | 14,300                         | 61,400                    | 8,100                         | 50,300                    | 38              |
| 40              | 54.9           | 56.8                  |                                | 89,500                    | 22,200                         | 72,600                    | 12,600                         | 55,800                    | 6,800                         | 45,500                    | 40              |
| 45              | 48.6           | 52.5                  |                                | 73,100                    | 17,500                         | 58,900                    | 9,100                          | 44,600                    | 4,100                         | 36,000                    | 45              |
| 50              | 41.6           | 47.1                  |                                | 61,100                    | 13,800                         | 48,800                    | 6,400                          | 36,500                    |                               | 29,000                    | 50              |
| 55              | 33.3           | 40.0                  |                                | 51,800                    | 10,800                         | 41,000                    | 4,100                          | 30,100                    |                               | 23,500                    | 55              |
| 60              | 22.1           | 29.4                  |                                | 44,400                    | 8,200                          | 34,700                    | 2,100                          | 25,000                    |                               | 19,100                    | 60              |

# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top

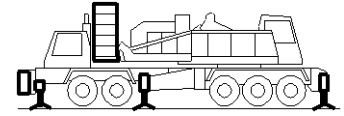
0 Lb. to 95,400 Lb. Crane Counterweight

With or Without 25,000 Lb. Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Retracted Outriggers

Meets  
ANSI B30.5  
Requirements

**777T**



## 70 Ft. Boom

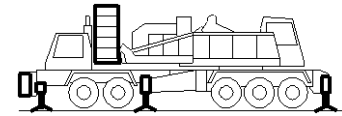
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 95,400 Lb.<br>Crane Counterweight      |                                    | 78,400 Lb.<br>Crane Counterweight      |                                    | 61,400 Lb.<br>Crane Counterweight      |                                    | 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*                           | 15                    |
| 16                    | 81.7                 | 78.0                           |                                                 | 294,300*                           |                                        | 294,300*                           |                                        | 294,300*                           |                                        | 286,200*                           | 16                    |
| 17                    | 80.9                 | 77.8                           |                                                 | 292,400*                           |                                        | 292,400*                           |                                        | 282,500*                           |                                        | 270,000*                           | 17                    |
| 18                    | 80.0                 | 77.6                           |                                                 | 279,300*                           |                                        | 279,300*                           |                                        | 267,400*                           |                                        | 255,600*                           | 18                    |
| 19                    | 79.2                 | 77.4                           |                                                 | 265,000*                           |                                        | 265,000*                           |                                        | 253,800*                           |                                        | 242,500*                           | 19                    |
| 20                    | 78.4                 | 77.2                           | ↓                                               | 252,100*                           | ↓                                      | 252,100*                           | ↓                                      | 241,400*                           | ↓                                      | 230,600*                           | 20                    |
| 22                    | 76.7                 | 76.6                           |                                                 | 229,600*                           |                                        | 229,600*                           |                                        | 219,800*                           |                                        | 209,300*                           | 22                    |
| 24                    | 75.0                 | 76.1                           |                                                 | 210,600*                           |                                        | 210,600*                           |                                        | 201,600*                           |                                        | 189,800*                           | 24                    |
| 26                    | 73.2                 | 75.4                           |                                                 | 194,000*                           |                                        | 194,000*                           |                                        | 184,300*                           |                                        | 173,500*                           | 26                    |
| 28                    | 71.5                 | 74.7                           |                                                 | 179,600*                           |                                        | 179,600*                           |                                        | 169,600*                           |                                        | 159,600*                           | 28                    |
| 30                    | 69.7                 | 73.9                           | ↓                                               | 166,200*                           | ↓                                      | 166,200*                           | ↓                                      | 156,900*                           | ↓                                      | 147,600*                           | 30                    |
| 32                    | 68.0                 | 73.1                           |                                                 | 154,600*                           |                                        | 154,600*                           |                                        | 145,900*                           |                                        | 137,200*                           | 32                    |
| 34                    | 66.2                 | 72.1                           |                                                 | 144,400*                           |                                        | 144,400*                           |                                        | 136,200*                           |                                        | 128,100*                           | 34                    |
| 36                    | 64.3                 | 71.1                           |                                                 | 135,400*                           |                                        | 135,400*                           |                                        | 127,700*                           |                                        | 120,000*                           | 36                    |
| 38                    | 62.5                 | 70.0                           |                                                 | 127,300*                           |                                        | 127,300*                           |                                        | 120,000*                           |                                        | 112,700*                           | 38                    |
| 40                    | 60.6                 | 68.9                           | ↓                                               | 120,100*                           | ↓                                      | 120,100*                           | ↓                                      | 113,200*                           | ↓                                      | 106,300*                           | 40                    |
| 45                    | 55.6                 | 65.5                           |                                                 | 104,900*                           |                                        | 104,900*                           |                                        | 98,800*                            |                                        | 89,100                             | 45                    |
| 50                    | 50.4                 | 61.5                           |                                                 | 92,800*                            |                                        | 92,800*                            |                                        | 87,300*                            |                                        | 75,200                             | 50                    |
| 55                    | 44.6                 | 56.6                           |                                                 | 82,900*                            |                                        | 82,900*                            |                                        | 75,300                             |                                        | 64,500                             | 55                    |
| 60                    | 38.2                 | 50.5                           |                                                 | 74,600*                            |                                        | 74,600*                            |                                        | 65,700                             |                                        | 56,100                             | 60                    |
| 65                    | 30.6                 | 42.6                           | ↓                                               | 67,600*                            | ↓                                      | 66,700                             | ↓                                      | 57,900                             | ↓                                      | 49,200                             | 65                    |
| 70                    | 20.3                 | 31.1                           |                                                 | 61,600*                            |                                        | 59,300                             |                                        | 51,300                             |                                        | 43,400                             | 70                    |



# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top  
0 Lb. to 95,400 Lb. Crane Counterweight  
With or Without 25,000 Lb. Front Bumper Counterweight  
Rating Over Rear or 360 Degrees On Fully Retracted 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 | 44,400 Lb.<br>Crane Counterweight      |                                    | 27,400 Lb.<br>Crane Counterweight      |                                    | 10,400 Lb.<br>Crane Counterweight      |                                    | 0 Lb.<br>Crane Counterweight           |                                    | 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                           | NOT<br>ALLOWED                         | 290,300*                           | 113,300                                | 274,200*                           | 80,300                                 | 256,900*                           | 60,200                                 | 246,400*                           | 15                    |
| 16                    | 81.7                 | 78.0                           |                                        | 273,000*                           | 102,000                                | 257,800*                           | 72,000                                 | 241,400*                           | 53,700                                 | 231,500*                           | 16                    |
| 17                    | 80.9                 | 77.8                           |                                        | 257,600*                           | 92,600                                 | 243,100*                           | 65,000                                 | 227,600*                           | 48,300                                 | 218,200*                           | 17                    |
| 18                    | 80.0                 | 77.6                           |                                        | 243,700*                           | 84,600                                 | 229,900*                           | 59,100                                 | 214,200*                           | 43,600                                 | 204,500*                           | 18                    |
| 19                    | 79.2                 | 77.4                           |                                        | 231,200*                           | 77,800                                 | 216,500*                           | 54,100                                 | 201,400*                           | 39,700                                 | 192,300*                           | 19                    |
| 20                    | 78.4                 | 77.2                           |                                        | 218,600*                           | 71,800                                 | 204,300*                           | 49,700                                 | 190,000*                           | 36,200                                 | 181,400*                           | 20                    |
| 22                    | 76.7                 | 76.6                           |                                        | 196,400*                           | 61,900                                 | 183,500*                           | 42,400                                 | 170,600*                           | 30,500                                 | 162,700*                           | 22                    |
| 24                    | 75.0                 | 76.1                           |                                        | 178,000*                           | 54,100                                 | 166,300*                           | 36,600                                 | 154,500*                           | 26,000                                 | 135,800                            | 24                    |
| 26                    | 73.2                 | 75.4                           |                                        | 162,700*                           | 47,800                                 | 151,800*                           | 31,900                                 | 134,200                            | 22,300                                 | 112,800                            | 26                    |
| 28                    | 71.5                 | 74.7                           |                                        | 149,600*                           | 42,500                                 | 139,600*                           | 28,000                                 | 114,500                            | 19,200                                 | 96,000                             | 28                    |
| 30                    | 69.7                 | 73.9                           |                                        | 138,300*                           | 38,100                                 | 126,200                            | 24,800                                 | 99,400                             | 16,700                                 | 83,100                             | 30                    |
| 32                    | 68.0                 | 73.1                           |                                        | 128,500*                           | 34,300                                 | 111,500                            | 22,000                                 | 87,600                             | 14,500                                 | 72,900                             | 32                    |
| 34                    | 66.2                 | 72.1                           |                                        | 119,900*                           | 31,100                                 | 99,600                             | 19,600                                 | 77,900                             | 12,600                                 | 64,700                             | 34                    |
| 36                    | 64.3                 | 71.1                           |                                        | 109,600                            | 28,200                                 | 89,800                             | 17,500                                 | 70,000                             | 10,900                                 | 57,900                             | 36                    |
| 38                    | 62.5                 | 70.0                           |                                        | 99,700                             | 25,700                                 | 81,500                             | 15,600                                 | 63,300                             | 9,400                                  | 52,200                             | 38                    |
| 40                    | 60.6                 | 68.9                           |                                        | 91,300                             | 23,500                                 | 74,500                             | 13,900                                 | 57,600                             | 8,100                                  | 47,300                             | 40                    |
| 45                    | 55.6                 | 65.5                           |                                        | 74,900                             | 18,900                                 | 60,700                             | 10,500                                 | 46,400                             | 5,400                                  | 37,800                             | 45                    |
| 50                    | 50.4                 | 61.5                           |                                        | 62,900                             | 15,200                                 | 50,600                             | 7,800                                  | 38,300                             | 3,300                                  | 30,800                             | 50                    |
| 55                    | 44.6                 | 56.6                           |                                        | 53,700                             | 12,300                                 | 42,800                             | 5,600                                  | 32,000                             |                                        | 25,400                             | 55                    |
| 60                    | 38.2                 | 50.5                           |                                        | 46,400                             | 9,800                                  | 36,700                             | 3,700                                  | 27,000                             |                                        | 21,100                             | 60                    |
| 65                    | 30.6                 | 42.6                           |                                        | 40,400                             | 7,700                                  | 31,700                             | 2,100                                  | 22,900                             |                                        | 17,600                             | 65                    |
| 70                    | 20.3                 | 31.1                           |                                        | 35,400                             | 5,800                                  | 27,400                             |                                        | 19,400                             |                                        | 14,500                             | 70                    |

# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top

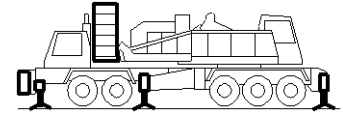
0 Lb. to 95,400 Lb. Crane Counterweight

With or Without 25,000 Lb. Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Retracted Outriggers

Meets  
ANSI B30.5  
Requirements

**777T**



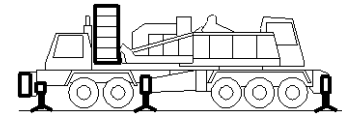
## 80 Ft. Boom

| 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. |                                    | 95,400 Lb.<br>Crane Counterweight      |                                    | 78,400 Lb.<br>Crane Counterweight      |                                    | 61,400 Lb.<br>Crane Counterweight      |                                    | 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*                           | 16                    |
| 17                    | 82.0                 | 88.0                           |                                                 | 278,500*                           |                                        | 278,500*                           |                                        | 278,500*                           |                                        | 269,900*                           | 17                    |
| 18                    | 81.3                 | 87.8                           |                                                 | 276,500*                           |                                        | 276,500*                           |                                        | 267,200*                           |                                        | 255,400*                           | 18                    |
| 19                    | 80.6                 | 87.6                           |                                                 | 264,900*                           |                                        | 264,900*                           |                                        | 253,600*                           |                                        | 242,300*                           | 19                    |
| 20                    | 79.8                 | 87.4                           |                                                 | 252,000*                           |                                        | 252,000*                           |                                        | 241,200*                           |                                        | 230,500*                           | 20                    |
| 22                    | 78.4                 | 87.0                           | NOT                                             | 229,400*                           | NOT                                    | 229,400*                           | NOT                                    | 219,600*                           | NOT                                    | 209,300*                           | 22                    |
| 24                    | 76.9                 | 86.4                           |                                                 | 210,500*                           |                                        | 210,500*                           |                                        | 201,400*                           |                                        | 189,800*                           | 24                    |
| 26                    | 75.4                 | 85.9                           |                                                 | 194,300*                           |                                        | 194,300*                           |                                        | 184,300*                           |                                        | 173,400*                           | 26                    |
| 28                    | 73.9                 | 85.3                           |                                                 | 179,600*                           |                                        | 179,600*                           |                                        | 169,600*                           |                                        | 159,600*                           | 28                    |
| 30                    | 72.4                 | 84.6                           |                                                 | 166,200*                           |                                        | 166,200*                           |                                        | 156,900*                           |                                        | 147,600*                           | 30                    |
| 32                    | 70.9                 | 83.9                           | ALL<br>LOW<br>ED                                | 154,600*                           | ALL<br>LOW<br>ED                       | 154,600*                           | ALL<br>LOW<br>ED                       | 145,900*                           | ALL<br>LOW<br>ED                       | 137,200*                           | 32                    |
| 34                    | 69.3                 | 83.1                           |                                                 | 144,400*                           |                                        | 144,400*                           |                                        | 136,200*                           |                                        | 128,000*                           | 34                    |
| 36                    | 67.8                 | 82.2                           |                                                 | 135,400*                           |                                        | 135,400*                           |                                        | 127,700*                           |                                        | 120,000*                           | 36                    |
| 38                    | 66.2                 | 81.3                           |                                                 | 127,300*                           |                                        | 127,300*                           |                                        | 120,000*                           |                                        | 112,700*                           | 38                    |
| 40                    | 64.6                 | 80.3                           |                                                 | 120,100*                           |                                        | 120,100*                           |                                        | 113,200*                           |                                        | 106,300*                           | 40                    |
| 45                    | 60.5                 | 77.5                           | ↓                                               | 104,900*                           | ↓                                      | 104,900*                           | ↓                                      | 98,800*                            | ↓                                      | 89,600                             | 45                    |
| 50                    | 56.2                 | 74.2                           |                                                 | 92,800*                            |                                        | 92,800*                            |                                        | 87,300*                            |                                        | 75,600                             | 50                    |
| 55                    | 51.7                 | 70.3                           |                                                 | 83,000*                            |                                        | 83,000*                            |                                        | 75,800                             |                                        | 65,000                             | 55                    |
| 60                    | 46.8                 | 65.8                           |                                                 | 74,800*                            |                                        | 74,800*                            |                                        | 66,200                             |                                        | 56,500                             | 60                    |
| 65                    | 41.5                 | 60.3                           |                                                 | 67,800*                            |                                        | 67,200                             |                                        | 58,400                             |                                        | 49,700                             | 65                    |
| 70                    | 35.5                 | 53.6                           | ↓                                               | 61,900*                            | ↓                                      | 60,000                             | ↓                                      | 52,000                             | ↓                                      | 44,000                             | 70                    |
| 75                    | 28.4                 | 45.0                           |                                                 | 56,700*                            |                                        | 53,900                             |                                        | 46,500                             |                                        | 39,200                             | 75                    |
| 80                    | 18.8                 | 32.6                           |                                                 | 51,100                             |                                        | 48,600                             |                                        | 41,800                             |                                        | 35,000                             | 80                    |

# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top  
0 Lb. to 95,400 Lb. Crane Counterweight  
With or Without 25,000 Lb. Front Bumper Counterweight  
Rating Over Rear or 360 Degrees On Fully Retracted Outriggers

Meets  
ANSI B30.5  
Requirements



## 80 Ft. Boom

| Oper. Rad. Feet | Boom Ang. Deg. | Boom Point Elev. Feet | 44,400 Lb. Crane Counterweight |                           | 27,400 Lb. Crane Counterweight |                           | 10,400 Lb. Crane Counterweight |                           | 0 Lb. Crane Counterweight     |                           | 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 |                 |
| 16              | 82.7           | 88.1                  | NOT ALLOWED                    | 272,800*                  | 102,500                        | 257,600*                  | 72,500                         | 241,200*                  | 54,200                        | 231,300*                  | 16              |
| 17              | 82.0           | 88.0                  |                                | 257,400*                  | 93,000                         | 242,900*                  | 65,400                         | 227,400*                  | 48,700                        | 218,000*                  | 17              |
| 18              | 81.3           | 87.8                  |                                | 243,500*                  | 85,000                         | 229,700*                  | 59,500                         | 214,200*                  | 44,000                        | 204,500*                  | 18              |
| 19              | 80.6           | 87.6                  |                                | 231,100*                  | 78,100                         | 216,500*                  | 54,400                         | 201,400*                  | 40,000                        | 192,300*                  | 19              |
| 20              | 79.8           | 87.4                  |                                | 218,600*                  | 72,100                         | 204,300*                  | 50,000                         | 190,000*                  | 36,500                        | 181,400*                  | 20              |
| 22              | 78.4           | 87.0                  |                                | 196,400*                  | 62,200                         | 183,500*                  | 42,600                         | 170,600*                  | 30,700                        | 162,700*                  | 22              |
| 24              | 76.9           | 86.4                  |                                | 178,000*                  | 54,400                         | 166,200*                  | 36,800                         | 154,500*                  | 26,200                        | 137,100                   | 24              |
| 26              | 75.4           | 85.9                  |                                | 162,600*                  | 48,000                         | 151,800*                  | 32,100                         | 135,300                   | 22,500                        | 113,900                   | 26              |
| 28              | 73.9           | 85.3                  |                                | 149,600*                  | 42,700                         | 139,500*                  | 28,200                         | 115,500                   | 19,400                        | 97,000                    | 28              |
| 30              | 72.4           | 84.6                  |                                | 138,300*                  | 38,300                         | 127,100                   | 24,900                         | 100,300                   | 16,800                        | 84,000                    | 30              |
| 32              | 70.9           | 83.9                  |                                | 128,500*                  | 34,500                         | 112,300                   | 22,100                         | 88,300                    | 14,600                        | 73,700                    | 32              |
| 34              | 69.3           | 83.1                  |                                | 119,900*                  | 31,200                         | 100,300                   | 19,700                         | 78,600                    | 12,700                        | 65,400                    | 34              |
| 36              | 67.8           | 82.2                  |                                | 110,200                   | 28,400                         | 90,400                    | 17,600                         | 70,600                    | 11,000                        | 58,600                    | 36              |
| 38              | 66.2           | 81.3                  |                                | 100,300                   | 25,800                         | 82,100                    | 15,700                         | 63,900                    | 9,600                         | 52,800                    | 38              |
| 40              | 64.6           | 80.3                  |                                | 91,900                    | 23,600                         | 75,000                    | 14,100                         | 58,200                    | 8,300                         | 47,900                    | 40              |
| 45              | 60.5           | 77.5                  |                                | 75,400                    | 19,000                         | 61,200                    | 10,600                         | 46,900                    | 5,500                         | 38,300                    | 45              |
| 50              | 56.2           | 74.2                  |                                | 63,300                    | 15,400                         | 51,000                    | 7,900                          | 38,700                    | 3,400                         | 31,200                    | 50              |
| 55              | 51.7           | 70.3                  |                                | 54,100                    | 12,400                         | 43,300                    | 5,700                          | 32,500                    |                               | 25,800                    | 55              |
| 60              | 46.8           | 65.8                  |                                | 46,800                    | 10,000                         | 37,200                    | 3,900                          | 27,500                    |                               | 21,600                    | 60              |
| 65              | 41.5           | 60.3                  |                                | 40,900                    | 8,000                          | 32,200                    | 2,400                          | 23,400                    |                               | 18,100                    | 65              |
| 70              | 35.5           | 53.6                  |                                | 36,000                    | 6,200                          | 28,000                    |                                | 20,100                    |                               | 15,200                    | 70              |
| 75              | 28.4           | 45.0                  |                                | 31,900                    | 4,700                          | 24,500                    |                                | 17,200                    |                               | 12,700                    | 75              |
| 80              | 18.8           | 32.6                  |                                | 28,200                    | 3,200                          | 21,400                    |                                | 14,600                    |                               | 10,500                    | 80              |

# Liftcrane Boom Capacities

**Boom No. 78T With Heavy Lift Top**

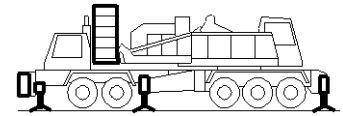
**0 Lb. to 95,400 Lb. Crane Counterweight**

**With or Without 25,000 Lb. Front Bumper Counterweight**

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

Meets  
ANSI B30.5  
Requirements

**777T**

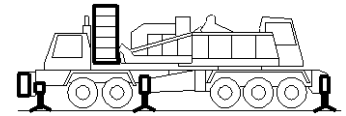


## 90 Ft. Boom

| 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. |                                    | 95,400 Lb.<br>Crane Counterweight      |                                    | 78,400 Lb.<br>Crane Counterweight      |                                    | 61,400 Lb.<br>Crane Counterweight      |                                    | 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 |                       |
| 17                    | 82.9                 | 98.1                           | ↑                                               | 273,700*                           | ↑                                      | 273,700*                           | ↑                                      | 273,700*                           | ↑                                      | 269,700*                           | 17                    |
| 18                    | 82.3                 | 97.9                           |                                                 | 265,300*                           |                                        | 265,300*                           |                                        | 265,300*                           |                                        | 255,200*                           | 18                    |
| 19                    | 81.6                 | 97.8                           |                                                 | 256,200*                           |                                        | 256,200*                           |                                        | 253,400*                           |                                        | 242,200*                           | 19                    |
| 20                    | 81.0                 | 97.6                           |                                                 | 247,500*                           |                                        | 247,500*                           |                                        | 241,100*                           |                                        | 230,300*                           | 20                    |
| 22                    | 79.7                 | 97.2                           |                                                 | 229,300*                           |                                        | 229,300*                           |                                        | 219,500*                           |                                        | 209,200*                           | 22                    |
| 24                    | 78.4                 | 96.8                           | ↓                                               | 210,300*                           | ↓                                      | 210,300*                           | ↓                                      | 201,300*                           | ↓                                      | 189,800*                           | 24                    |
| 26                    | 77.1                 | 96.3                           |                                                 | 194,100*                           |                                        | 194,100*                           |                                        | 184,200*                           |                                        | 173,400*                           | 26                    |
| 28                    | 75.7                 | 95.7                           |                                                 | 179,500*                           |                                        | 179,500*                           |                                        | 169,500*                           |                                        | 159,500*                           | 28                    |
| 30                    | 74.4                 | 95.1                           |                                                 | 166,200*                           |                                        | 166,200*                           |                                        | 156,900*                           |                                        | 147,600*                           | 30                    |
| 32                    | 73.1                 | 94.5                           |                                                 | 154,600*                           |                                        | 154,600*                           |                                        | 145,900*                           |                                        | 137,200*                           | 32                    |
| 34                    | 71.7                 | 93.8                           | ↓                                               | 144,400*                           | ↓                                      | 144,400*                           | ↓                                      | 136,200*                           | ↓                                      | 128,000*                           | 34                    |
| 36                    | 70.4                 | 93.0                           |                                                 | 135,300*                           |                                        | 135,300*                           |                                        | 127,600*                           |                                        | 119,900*                           | 36                    |
| 38                    | 69.0                 | 92.2                           |                                                 | 127,300*                           |                                        | 127,300*                           |                                        | 120,000*                           |                                        | 112,700*                           | 38                    |
| 40                    | 67.6                 | 91.4                           |                                                 | 120,100*                           |                                        | 120,100*                           |                                        | 113,200*                           |                                        | 106,200*                           | 40                    |
| 45                    | 64.1                 | 89.0                           |                                                 | 104,900*                           |                                        | 104,900*                           |                                        | 98,800*                            |                                        | 90,000                             | 45                    |
| 50                    | 60.4                 | 86.2                           | ↓                                               | 92,800*                            | ↓                                      | 92,800*                            | ↓                                      | 87,300*                            | ↓                                      | 76,000                             | 50                    |
| 55                    | 56.6                 | 82.9                           |                                                 | 83,000*                            |                                        | 83,000*                            |                                        | 76,100                             |                                        | 65,300                             | 55                    |
| 60                    | 52.7                 | 79.2                           |                                                 | 74,800*                            |                                        | 74,800*                            |                                        | 66,500                             |                                        | 56,900                             | 60                    |
| 65                    | 48.5                 | 74.8                           |                                                 | 67,900*                            |                                        | 67,500                             |                                        | 58,800                             |                                        | 50,000                             | 65                    |
| 70                    | 43.9                 | 69.8                           |                                                 | 62,000*                            |                                        | 60,300                             |                                        | 52,400                             |                                        | 44,400                             | 70                    |
| 75                    | 39.0                 | 63.8                           | ↓                                               | 56,800*                            | ↓                                      | 54,300                             | ↓                                      | 46,900                             | ↓                                      | 39,600                             | 75                    |
| 80                    | 33.4                 | 56.6                           |                                                 | 51,700                             |                                        | 49,100                             |                                        | 42,300                             |                                        | 35,500                             | 80                    |
| 85                    | 26.7                 | 47.3                           |                                                 | 47,000                             |                                        | 44,600                             |                                        | 38,300                             |                                        | 31,900                             | 85                    |
| 90                    | 17.6                 | 34.1                           |                                                 | 42,800                             |                                        | 40,600                             |                                        | 34,700                             |                                        | 28,800                             | 90                    |

# Liftcrane Boom Capacities

**Boom No. 78T With Heavy Lift Top**
**0 Lb. to 95,400 Lb. Crane Counterweight**
**With or Without 25,000 Lb. Front Bumper Counterweight**
**Rating Over Rear or 360 Degrees On Fully Retracted 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 | 44,400 Lb.<br>Crane Counterweight      |                                    | 27,400 Lb.<br>Crane Counterweight      |                                    | 10,400 Lb.<br>Crane Counterweight      |                                    | 0 Lb.<br>Crane Counterweight           |                                    | 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 |                       |
| 17                    | 82.9                 | 98.1                           | ↑<br>NOT<br>ALLOWED<br>↓               | 257,200*                           | 93,300                                 | 242,700*                           | 65,800                                 | 227,200*                           | 49,000                                 | 217,800*                           | 17                    |
| 18                    | 82.3                 | 97.9                           |                                        | 243,400*                           | 85,300                                 | 229,500*                           | 59,800                                 | 214,200*                           | 44,300                                 | 204,500*                           | 18                    |
| 19                    | 81.6                 | 97.8                           |                                        | 230,900*                           | 78,300                                 | 216,500*                           | 54,700                                 | 201,400*                           | 40,200                                 | 192,300*                           | 19                    |
| 20                    | 81.0                 | 97.6                           |                                        | 218,600*                           | 72,300                                 | 204,300*                           | 50,200                                 | 190,000*                           | 36,700                                 | 181,300*                           | 20                    |
| 22                    | 79.7                 | 97.2                           |                                        | 196,300*                           | 62,400                                 | 183,400*                           | 42,800                                 | 170,500*                           | 30,900                                 | 162,700*                           | 22                    |
| 24                    | 78.4                 | 96.8                           |                                        | 178,000*                           | 54,500                                 | 166,200*                           | 37,000                                 | 154,500*                           | 26,400                                 | 138,200                            | 24                    |
| 26                    | 77.1                 | 96.3                           |                                        | 162,600*                           | 48,100                                 | 151,800*                           | 32,300                                 | 136,200                            | 22,600                                 | 114,900                            | 26                    |
| 28                    | 75.7                 | 95.7                           |                                        | 149,500*                           | 42,800                                 | 139,500*                           | 28,400                                 | 116,300                            | 19,500                                 | 97,800                             | 28                    |
| 30                    | 74.4                 | 95.1                           |                                        | 138,300*                           | 38,400                                 | 127,800                            | 25,100                                 | 101,000                            | 16,900                                 | 84,700                             | 30                    |
| 32                    | 73.1                 | 94.5                           |                                        | 128,500*                           | 34,600                                 | 112,900                            | 22,200                                 | 89,000                             | 14,700                                 | 74,300                             | 32                    |
| 34                    | 71.7                 | 93.8                           |                                        | 119,800*                           | 31,300                                 | 100,900                            | 19,800                                 | 79,200                             | 12,800                                 | 66,000                             | 34                    |
| 36                    | 70.4                 | 93.0                           |                                        | 110,800                            | 28,500                                 | 90,900                             | 17,700                                 | 71,100                             | 11,100                                 | 59,100                             | 36                    |
| 38                    | 69.0                 | 92.2                           |                                        | 100,800                            | 25,900                                 | 82,600                             | 15,800                                 | 64,400                             | 9,600                                  | 53,300                             | 38                    |
| 40                    | 67.6                 | 91.4                           |                                        | 92,300                             | 23,700                                 | 75,500                             | 14,100                                 | 58,600                             | 8,300                                  | 48,300                             | 40                    |
| 45                    | 64.1                 | 89.0                           |                                        | 75,800                             | 19,100                                 | 61,600                             | 10,700                                 | 47,300                             | 5,600                                  | 38,700                             | 45                    |
| 50                    | 60.4                 | 86.2                           |                                        | 63,700                             | 15,400                                 | 51,400                             | 8,000                                  | 39,100                             | 3,500                                  | 31,600                             | 50                    |
| 55                    | 56.6                 | 82.9                           |                                        | 54,500                             | 12,500                                 | 43,600                             | 5,800                                  | 32,800                             |                                        | 26,200                             | 55                    |
| 60                    | 52.7                 | 79.2                           |                                        | 47,200                             | 10,100                                 | 37,500                             | 4,000                                  | 27,800                             |                                        | 21,900                             | 60                    |
| 65                    | 48.5                 | 74.8                           |                                        | 41,300                             | 8,100                                  | 32,500                             | 2,500                                  | 23,800                             |                                        | 18,400                             | 65                    |
| 70                    | 43.9                 | 69.8                           |                                        | 36,400                             | 6,400                                  | 28,400                             |                                        | 20,400                             |                                        | 15,600                             | 70                    |
| 75                    | 39.0                 | 63.8                           |                                        | 32,300                             | 4,900                                  | 24,900                             |                                        | 17,600                             |                                        | 13,100                             | 75                    |
| 80                    | 33.4                 | 56.6                           |                                        | 28,700                             | 3,600                                  | 21,900                             |                                        | 15,100                             |                                        | 11,000                             | 80                    |
| 85                    | 26.7                 | 47.3                           |                                        | 25,600                             | 2,300                                  | 19,300                             |                                        | 13,000                             |                                        | 9,100                              | 85                    |
| 90                    | 17.6                 | 34.1                           |                                        | 22,800                             |                                        | 16,900                             |                                        | 11,000                             |                                        | 7,400                              | 90                    |

# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top

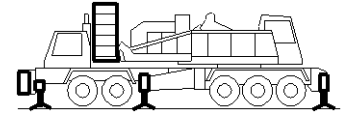
0 Lb. to 95,400 Lb. Crane Counterweight

With or Without 25,000 Lb. Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Retracted Outriggers

Meets  
ANSI B30.5  
Requirements

**777T**

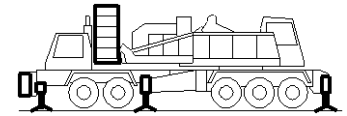


## 100 Ft. Boom

| 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. |                                    | 95,400 Lb.<br>Crane Counterweight      |                                    | 78,400 Lb.<br>Crane Counterweight      |                                    | 61,400 Lb.<br>Crane Counterweight      |                                    | 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                          | ↑                                               | 241,200*                           | ↑                                      | 241,200*                           | ↑                                      | 241,200*                           | ↑                                      | 241,200*                           | 18                    |
| 19                    | 82.5                 | 107.9                          |                                                 | 233,200*                           |                                        | 233,200*                           |                                        | 233,200*                           |                                        | 233,200*                           | 19                    |
| 20                    | 81.9                 | 107.7                          |                                                 | 225,800*                           |                                        | 225,800*                           |                                        | 225,800*                           |                                        | 225,800*                           | 20                    |
| 22                    | 80.7                 | 107.4                          |                                                 | 211,900*                           |                                        | 211,900*                           |                                        | 211,900*                           |                                        | 209,000*                           | 22                    |
| 24                    | 79.6                 | 107.0                          |                                                 | 199,600*                           |                                        | 199,600*                           |                                        | 199,600*                           |                                        | 189,500*                           | 24                    |
| 26                    | 78.4                 | 106.5                          | ↑                                               | 188,700*                           | ↑                                      | 188,700*                           | ↑                                      | 184,000*                           | ↑                                      | 173,200*                           | 26                    |
| 28                    | 77.2                 | 106.1                          |                                                 | 178,700*                           |                                        | 178,700*                           |                                        | 169,300*                           |                                        | 159,300*                           | 28                    |
| 30                    | 76.0                 | 105.5                          |                                                 | 166,000*                           |                                        | 166,000*                           |                                        | 156,700*                           |                                        | 147,300*                           | 30                    |
| 32                    | 74.8                 | 105.0                          |                                                 | 154,300*                           |                                        | 154,300*                           |                                        | 145,600*                           |                                        | 136,900*                           | 32                    |
| 34                    | 73.6                 | 104.3                          |                                                 | 144,100*                           |                                        | 144,100*                           |                                        | 136,000*                           |                                        | 127,800*                           | 34                    |
| 36                    | 72.4                 | 103.7                          | ↑                                               | 135,100*                           | ↑                                      | 135,100*                           | ↑                                      | 127,400*                           | ↑                                      | 119,700*                           | 36                    |
| 38                    | 71.2                 | 103.0                          |                                                 | 127,100*                           |                                        | 127,100*                           |                                        | 119,800*                           |                                        | 112,500*                           | 38                    |
| 40                    | 70.0                 | 102.2                          |                                                 | 119,800*                           |                                        | 119,800*                           |                                        | 112,900*                           |                                        | 106,000*                           | 40                    |
| 45                    | 66.9                 | 100.1                          |                                                 | 104,700*                           |                                        | 104,700*                           |                                        | 98,500*                            |                                        | 90,200                             | 45                    |
| 50                    | 63.7                 | 97.6                           |                                                 | 92,600*                            |                                        | 92,600*                            |                                        | 87,100*                            |                                        | 76,100                             | 50                    |
| 55                    | 60.4                 | 94.8                           | ↑                                               | 82,800*                            | ↑                                      | 82,800*                            | ↑                                      | 76,200                             | ↑                                      | 65,400                             | 55                    |
| 60                    | 57.0                 | 91.6                           |                                                 | 74,600*                            |                                        | 74,600*                            |                                        | 66,600                             |                                        | 56,900                             | 60                    |
| 65                    | 53.4                 | 88.0                           |                                                 | 67,700*                            |                                        | 67,600                             |                                        | 58,800                             |                                        | 50,100                             | 65                    |
| 70                    | 49.7                 | 83.8                           |                                                 | 61,800*                            |                                        | 60,400                             |                                        | 52,400                             |                                        | 44,400                             | 70                    |
| 75                    | 45.8                 | 79.0                           |                                                 | 56,700*                            |                                        | 54,300                             |                                        | 47,000                             |                                        | 39,700                             | 75                    |
| 80                    | 41.5                 | 73.5                           | ↑                                               | 51,700                             | ↑                                      | 49,200                             | ↑                                      | 42,400                             | ↑                                      | 35,600                             | 80                    |
| 85                    | 36.8                 | 67.1                           |                                                 | 47,100                             |                                        | 44,700                             |                                        | 38,400                             |                                        | 32,100                             | 85                    |
| 90                    | 31.5                 | 59.3                           |                                                 | 43,000                             |                                        | 40,800                             |                                        | 34,900                             |                                        | 29,000                             | 90                    |
| 95                    | 25.2                 | 49.5                           |                                                 | 39,400                             |                                        | 37,300                             |                                        | 31,800                             |                                        | 26,200                             | 95                    |
| 100                   | 16.6                 | 35.4                           |                                                 | 36,200                             |                                        | 34,200                             |                                        | 28,900                             |                                        | 23,700                             | 100                   |

# Liftcrane Boom Capacities

**Boom No. 78T With Heavy Lift Top**
**0 Lb. to 95,400 Lb. Crane Counterweight**
**With or Without 25,000 Lb. Front Bumper Counterweight**
**Rating Over Rear or 360 Degrees On Fully Retracted 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 | 44,400 Lb.<br>Crane Counterweight      |                                    | 27,400 Lb.<br>Crane Counterweight      |                                    | 10,400 Lb.<br>Crane Counterweight      |                                    | 0 Lb.<br>Crane Counterweight           |                                    | 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                          |                                        | 241,200*                           | 85,400                                 | 229,100*                           | 59,900                                 | 214,000*                           | 44,400                                 | 204,300*                           | 18                    |
| 19                    | 82.5                 | 107.9                          |                                        | 230,600*                           | 78,400                                 | 216,300*                           | 54,700                                 | 201,200*                           | 40,300                                 | 192,100*                           | 19                    |
| 20                    | 81.9                 | 107.7                          |                                        | 218,400*                           | 72,400                                 | 204,100*                           | 50,300                                 | 189,800*                           | 36,800                                 | 181,200*                           | 20                    |
| 22                    | 80.7                 | 107.4                          |                                        | 196,100*                           | 62,400                                 | 183,200*                           | 42,800                                 | 170,300*                           | 30,900                                 | 162,500*                           | 22                    |
| 24                    | 79.6                 | 107.0                          |                                        | 177,800*                           | 54,500                                 | 166,000*                           | 37,000                                 | 154,200*                           | 26,300                                 | 139,200                            | 24                    |
| 26                    | 78.4                 | 106.5                          |                                        | 162,400*                           | 48,100                                 | 151,600*                           | 32,200                                 | 137,000                            | 22,600                                 | 115,600                            | 26                    |
| 28                    | 77.2                 | 106.1                          |                                        | 149,300*                           | 42,800                                 | 139,300*                           | 28,300                                 | 116,900                            | 19,500                                 | 98,400                             | 28                    |
| 30                    | 76.0                 | 105.5                          |                                        | 138,000*                           | 38,300                                 | 128,300                            | 25,000                                 | 101,500                            | 16,900                                 | 85,200                             | 30                    |
| 32                    | 74.8                 | 105.0                          |                                        | 128,200*                           | 34,500                                 | 113,400                            | 22,100                                 | 89,400                             | 14,600                                 | 74,800                             | 32                    |
| 34                    | 73.6                 | 104.3                          |                                        | 119,600*                           | 31,200                                 | 101,300                            | 19,700                                 | 79,600                             | 12,700                                 | 66,300                             | 34                    |
| 36                    | 72.4                 | 103.7                          |                                        | 111,100                            | 28,300                                 | 91,300                             | 17,600                                 | 71,400                             | 11,000                                 | 59,400                             | 36                    |
| 38                    | 71.2                 | 103.0                          |                                        | 101,100                            | 25,800                                 | 82,800                             | 15,700                                 | 64,600                             | 9,500                                  | 53,500                             | 38                    |
| 40                    | 70.0                 | 102.2                          |                                        | 92,600                             | 23,600                                 | 75,700                             | 14,000                                 | 58,800                             | 8,200                                  | 48,500                             | 40                    |
| 45                    | 66.9                 | 100.1                          |                                        | 75,900                             | 18,900                                 | 61,700                             | 10,600                                 | 47,500                             | 5,500                                  | 38,800                             | 45                    |
| 50                    | 63.7                 | 97.6                           |                                        | 63,800                             | 15,300                                 | 51,500                             | 7,900                                  | 39,200                             | 3,300                                  | 31,700                             | 50                    |
| 55                    | 60.4                 | 94.8                           |                                        | 54,500                             | 12,400                                 | 43,700                             | 5,700                                  | 32,900                             |                                        | 26,300                             | 55                    |
| 60                    | 57.0                 | 91.6                           |                                        | 47,200                             | 10,000                                 | 37,500                             | 3,900                                  | 27,900                             |                                        | 22,000                             | 60                    |
| 65                    | 53.4                 | 88.0                           |                                        | 41,300                             | 8,000                                  | 32,600                             | 2,400                                  | 23,800                             |                                        | 18,500                             | 65                    |
| 70                    | 49.7                 | 83.8                           |                                        | 36,400                             | 6,300                                  | 28,400                             |                                        | 20,500                             |                                        | 15,600                             | 70                    |
| 75                    | 45.8                 | 79.0                           |                                        | 32,300                             | 4,800                                  | 25,000                             |                                        | 17,600                             |                                        | 13,200                             | 75                    |
| 80                    | 41.5                 | 73.5                           |                                        | 28,800                             | 3,500                                  | 22,000                             |                                        | 15,200                             |                                        | 11,100                             | 80                    |
| 85                    | 36.8                 | 67.1                           |                                        | 25,700                             | 2,300                                  | 19,400                             |                                        | 13,100                             |                                        | 9,300                              | 85                    |
| 90                    | 31.5                 | 59.3                           |                                        | 23,100                             |                                        | 17,200                             |                                        | 11,300                             |                                        | 7,700                              | 90                    |
| 95                    | 25.2                 | 49.5                           |                                        | 20,700                             |                                        | 15,100                             |                                        | 9,600                              |                                        | 6,200                              | 95                    |
| 100                   | 16.6                 | 35.4                           |                                        | 18,500                             |                                        | 13,300                             |                                        | 8,000                              |                                        | 4,800                              | 100                   |

 NOT  
ALLOWED

# Liftcrane Boom Capacities

 Meets  
ANSI B30.5  
Requirements

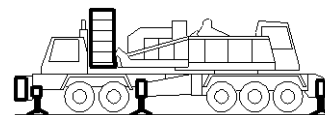
**777T**

Boom No. 78T With Heavy Lift Top

0 Lb. to 95,400 Lb. Crane Counterweight

With or Without 25,000 Lb. Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Retracted Outriggers

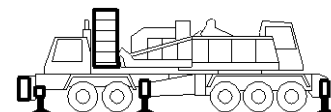

**110 Ft. Boom**

| 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. |                                    | 95,400 Lb.<br>Crane Counterweight      |                                    | 78,400 Lb.<br>Crane Counterweight      |                                    | 61,400 Lb.<br>Crane Counterweight      |                                    | 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                          | ↑                                               | 208,800*                           | ↑                                      | 208,800*                           | ↑                                      | 208,800*                           | ↑                                      | 208,800*                           | 20                    |
| 22                    | 81.6                 | 117.5                          |                                                 | 196,700*                           |                                        | 196,700*                           |                                        | 196,700*                           |                                        | 196,700*                           | 22                    |
| 24                    | 80.5                 | 117.2                          |                                                 | 185,800*                           |                                        | 185,800*                           |                                        | 185,800*                           |                                        | 185,800*                           | 24                    |
| 26                    | 79.5                 | 116.8                          |                                                 | 176,000*                           |                                        | 176,000*                           |                                        | 176,000*                           |                                        | 173,100*                           | 26                    |
| 28                    | 78.4                 | 116.3                          |                                                 | 167,000*                           |                                        | 167,000*                           |                                        | 167,000*                           |                                        | 159,200*                           | 28                    |
| 30                    | 77.3                 | 115.9                          | ↑                                               | 158,800*                           | ↑                                      | 158,800*                           | ↑                                      | 156,500*                           | ↑                                      | 147,200*                           | 30                    |
| 32                    | 76.2                 | 115.4                          |                                                 | 151,300*                           |                                        | 151,300*                           |                                        | 145,500*                           |                                        | 136,800*                           | 32                    |
| 34                    | 75.2                 | 114.8                          |                                                 | 144,000*                           |                                        | 144,000*                           |                                        | 135,800*                           |                                        | 127,700*                           | 34                    |
| 36                    | 74.1                 | 114.2                          |                                                 | 135,000*                           |                                        | 135,000*                           |                                        | 127,300*                           |                                        | 119,600*                           | 36                    |
| 38                    | 73.0                 | 113.6                          |                                                 | 126,900*                           |                                        | 126,900*                           |                                        | 119,600*                           |                                        | 112,400*                           | 38                    |
| 40                    | 71.9                 | 112.9                          | ↑                                               | 119,700*                           | ↑                                      | 119,700*                           | ↑                                      | 112,800*                           | ↑                                      | 105,900*                           | 40                    |
| 45                    | 69.1                 | 111.0                          |                                                 | 104,500*                           |                                        | 104,500*                           |                                        | 98,400*                            |                                        | 90,300                             | 45                    |
| 50                    | 66.3                 | 108.8                          |                                                 | 92,500*                            |                                        | 92,500*                            |                                        | 87,000*                            |                                        | 76,200                             | 50                    |
| 55                    | 63.3                 | 106.3                          |                                                 | 82,600*                            |                                        | 82,600*                            |                                        | 76,300                             |                                        | 65,500                             | 55                    |
| 60                    | 60.4                 | 103.5                          |                                                 | 74,500*                            |                                        | 74,500*                            |                                        | 66,700                             |                                        | 57,000                             | 60                    |
| 65                    | 57.3                 | 100.3                          | ↑                                               | 67,600*                            | ↑                                      | 67,600*                            | ↑                                      | 58,900                             | ↑                                      | 50,100                             | 65                    |
| 70                    | 54.1                 | 96.7                           |                                                 | 61,700*                            |                                        | 60,400                             |                                        | 52,500                             |                                        | 44,500                             | 70                    |
| 75                    | 50.7                 | 92.7                           |                                                 | 56,600*                            |                                        | 54,400                             |                                        | 47,100                             |                                        | 39,700                             | 75                    |
| 80                    | 47.2                 | 88.2                           |                                                 | 51,800                             |                                        | 49,200                             |                                        | 42,500                             |                                        | 35,700                             | 80                    |
| 85                    | 43.5                 | 83.0                           |                                                 | 47,200                             |                                        | 44,800                             |                                        | 38,500                             |                                        | 32,200                             | 85                    |
| 90                    | 39.4                 | 77.1                           | ↑                                               | 43,100                             | ↑                                      | 40,900                             | ↑                                      | 35,000                             | ↑                                      | 29,100                             | 90                    |
| 95                    | 35.0                 | 70.2                           |                                                 | 39,600                             |                                        | 37,500                             |                                        | 31,900                             |                                        | 26,400                             | 95                    |
| 100                   | 30.0                 | 61.9                           |                                                 | 36,400                             |                                        | 34,400                             |                                        | 29,200                             |                                        | 24,000                             | 100                   |
| 105                   | 24.0                 | 51.6                           |                                                 | 33,500                             |                                        | 31,700                             |                                        | 26,700                             |                                        | 21,800                             | 105                   |
| 110                   | 15.8                 | 36.7                           |                                                 | 30,900                             |                                        | 29,100                             |                                        | 24,400                             |                                        | 19,700                             | 110                   |



# Liftcrane Boom Capacities

**Boom No. 78T With Heavy Lift Top**
**0 Lb. to 95,400 Lb. Crane Counterweight**
**With or Without 25,000 Lb. Front Bumper Counterweight**
**Rating Over Rear or 360 Degrees On Fully Retracted 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 | 44,400 Lb.<br>Crane Counterweight      |                                    | 27,400 Lb.<br>Crane Counterweight      |                                    | 10,400 Lb.<br>Crane Counterweight      |                                    | 0 Lb.<br>Crane Counterweight           |                                    | 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                          | NOT<br>ALLOWED                         | 208,800*                           | 72,400                                 | 204,000*                           | 50,300                                 | 189,700*                           | 36,900                                 | 181,000*                           | 20                    |
| 22                    | 81.6                 | 117.5                          |                                        | 196,000*                           | 62,400                                 | 183,100*                           | 42,900                                 | 170,200*                           | 31,000                                 | 162,400*                           | 22                    |
| 24                    | 80.5                 | 117.2                          |                                        | 177,600*                           | 54,500                                 | 165,900*                           | 37,000                                 | 154,100*                           | 26,300                                 | 139,900                            | 24                    |
| 26                    | 79.5                 | 116.8                          |                                        | 162,300*                           | 48,100                                 | 151,400*                           | 32,200                                 | 137,600                            | 22,600                                 | 116,200                            | 26                    |
| 28                    | 78.4                 | 116.3                          |                                        | 149,200*                           | 42,800                                 | 139,200*                           | 28,300                                 | 117,400                            | 19,500                                 | 98,900                             | 28                    |
| 30                    | 77.3                 | 115.9                          |                                        | 137,900*                           | 38,300                                 | 128,600*                           | 24,900                                 | 101,900                            | 16,800                                 | 85,600                             | 30                    |
| 32                    | 76.2                 | 115.4                          |                                        | 128,100*                           | 34,500                                 | 113,700                            | 22,100                                 | 89,700                             | 14,600                                 | 75,100                             | 32                    |
| 34                    | 75.2                 | 114.8                          |                                        | 119,500*                           | 31,200                                 | 101,600                            | 19,600                                 | 79,900                             | 12,600                                 | 66,700                             | 34                    |
| 36                    | 74.1                 | 114.2                          |                                        | 111,300                            | 28,300                                 | 91,500                             | 17,500                                 | 71,700                             | 10,900                                 | 59,700                             | 36                    |
| 38                    | 73.0                 | 113.6                          |                                        | 101,300                            | 25,700                                 | 83,100                             | 15,600                                 | 64,900                             | 9,500                                  | 53,800                             | 38                    |
| 40                    | 71.9                 | 112.9                          |                                        | 92,800                             | 23,500                                 | 75,900                             | 13,900                                 | 59,000                             | 8,100                                  | 48,800                             | 40                    |
| 45                    | 69.1                 | 111.0                          |                                        | 76,100                             | 18,900                                 | 61,900                             | 10,500                                 | 47,600                             | 5,400                                  | 39,000                             | 45                    |
| 50                    | 66.3                 | 108.8                          |                                        | 63,900                             | 15,200                                 | 51,600                             | 7,800                                  | 39,300                             | 3,300                                  | 31,800                             | 50                    |
| 55                    | 63.3                 | 106.3                          |                                        | 54,600                             | 12,300                                 | 43,800                             | 5,600                                  | 33,000                             |                                        | 26,300                             | 55                    |
| 60                    | 60.4                 | 103.5                          |                                        | 47,300                             | 9,900                                  | 37,600                             | 3,800                                  | 27,900                             |                                        | 22,000                             | 60                    |
| 65                    | 57.3                 | 100.3                          |                                        | 41,400                             | 7,900                                  | 32,600                             | 2,300                                  | 23,900                             |                                        | 18,600                             | 65                    |
| 70                    | 54.1                 | 96.7                           |                                        | 36,500                             | 6,200                                  | 28,500                             |                                        | 20,500                             |                                        | 15,700                             | 70                    |
| 75                    | 50.7                 | 92.7                           |                                        | 32,400                             | 4,700                                  | 25,000                             |                                        | 17,700                             |                                        | 13,200                             | 75                    |
| 80                    | 47.2                 | 88.2                           |                                        | 28,900                             | 3,400                                  | 22,100                             |                                        | 15,300                             |                                        | 11,200                             | 80                    |
| 85                    | 43.5                 | 83.0                           |                                        | 25,800                             | 2,300                                  | 19,500                             |                                        | 13,200                             |                                        | 9,300                              | 85                    |
| 90                    | 39.4                 | 77.1                           |                                        | 23,200                             |                                        | 17,300                             |                                        | 11,400                             |                                        | 7,800                              | 90                    |
| 95                    | 35.0                 | 70.2                           |                                        | 20,800                             |                                        | 15,300                             |                                        | 9,700                              |                                        | 6,400                              | 95                    |
| 100                   | 30.0                 | 61.9                           |                                        | 18,700                             |                                        | 13,500                             |                                        | 8,300                              |                                        | 5,100                              | 100                   |
| 105                   | 24.0                 | 51.6                           |                                        | 16,800                             |                                        | 11,900                             |                                        | 6,900                              |                                        | 3,900                              | 105                   |
| 110                   | 15.8                 | 36.7                           |                                        | 15,100                             |                                        | 10,400                             |                                        | 5,700                              |                                        | 2,800                              | 110                   |

# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top

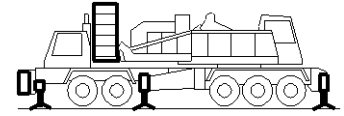
0 Lb. to 95,400 Lb. Crane Counterweight

With or Without 25,000 Lb. Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Retracted Outriggers

Meets  
ANSI B30.5  
Requirements

**777T**



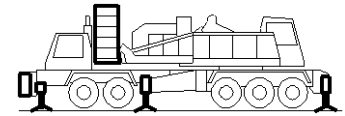
## 120 Ft. Boom

| 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. |                                    | 95,400 Lb.<br>Crane Counterweight      |                                    | 78,400 Lb.<br>Crane Counterweight      |                                    | 61,400 Lb.<br>Crane Counterweight      |                                    | 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                          | ↑                                               | 189,700*                           | ↑                                      | 189,700*                           | ↑                                      | 189,700*                           | ↑                                      | 189,700*                           | 22                    |
| 24                    | 81.3                 | 127.3                          |                                                 | 178,900*                           |                                        | 178,900*                           |                                        | 178,900*                           |                                        | 178,900*                           | 24                    |
| 26                    | 80.3                 | 127.0                          |                                                 | 169,000*                           |                                        | 169,000*                           |                                        | 169,000*                           |                                        | 169,000*                           | 26                    |
| 28                    | 79.4                 | 126.6                          |                                                 | 160,100*                           |                                        | 160,100*                           |                                        | 160,100*                           |                                        | 159,300*                           | 28                    |
| 30                    | 78.4                 | 126.1                          |                                                 | 152,000*                           |                                        | 152,000*                           |                                        | 152,000*                           |                                        | 147,400*                           | 30                    |
| 32                    | 77.4                 | 125.7                          | ↑                                               | 144,500*                           | ↑                                      | 144,500*                           | ↑                                      | 144,500*                           | ↑                                      | 136,900*                           | 32                    |
| 34                    | 76.4                 | 125.2                          |                                                 | 137,700*                           |                                        | 137,700*                           |                                        | 136,000*                           |                                        | 127,800*                           | 34                    |
| 36                    | 75.4                 | 124.6                          |                                                 | 131,400*                           |                                        | 131,400*                           |                                        | 127,400*                           |                                        | 119,700*                           | 36                    |
| 38                    | 74.4                 | 124.0                          |                                                 | 125,500*                           |                                        | 125,500*                           |                                        | 119,800*                           |                                        | 112,500*                           | 38                    |
| 40                    | 73.4                 | 123.4                          |                                                 | 119,900*                           |                                        | 119,900*                           |                                        | 112,900*                           |                                        | 106,000*                           | 40                    |
| 45                    | 70.9                 | 121.7                          | ↑                                               | 104,700*                           | ↑                                      | 104,700*                           | ↑                                      | 98,600*                            | ↑                                      | 90,700                             | 45                    |
| 50                    | 68.4                 | 119.7                          |                                                 | 92,600*                            |                                        | 92,600*                            |                                        | 87,100*                            |                                        | 76,600                             | 50                    |
| 55                    | 65.7                 | 117.5                          |                                                 | 82,800*                            |                                        | 82,800*                            |                                        | 76,600                             |                                        | 65,800                             | 55                    |
| 60                    | 63.1                 | 115.0                          |                                                 | 74,600*                            |                                        | 74,600*                            |                                        | 67,000                             |                                        | 57,300                             | 60                    |
| 65                    | 60.3                 | 112.2                          |                                                 | 67,800*                            |                                        | 67,800*                            |                                        | 59,200                             |                                        | 50,500                             | 65                    |
| 70                    | 57.5                 | 109.0                          | ↑                                               | 61,900*                            | ↑                                      | 60,800                             | ↑                                      | 52,800                             | ↑                                      | 44,800                             | 70                    |
| 75                    | 54.6                 | 105.5                          |                                                 | 56,800*                            |                                        | 54,700                             |                                        | 47,400                             |                                        | 40,000                             | 75                    |
| 80                    | 51.6                 | 101.6                          |                                                 | 52,100                             |                                        | 49,600                             |                                        | 42,800                             |                                        | 36,000                             | 80                    |
| 85                    | 48.4                 | 97.2                           |                                                 | 47,500                             |                                        | 45,100                             |                                        | 38,800                             |                                        | 32,500                             | 85                    |
| 90                    | 45.0                 | 92.3                           |                                                 | 43,500                             |                                        | 41,300                             |                                        | 35,400                             |                                        | 29,400                             | 90                    |
| 95                    | 41.5                 | 86.8                           | ↑                                               | 39,900                             | ↑                                      | 37,800                             | ↑                                      | 32,300                             | ↑                                      | 26,800                             | 95                    |
| 100                   | 37.6                 | 80.5                           |                                                 | 36,800                             |                                        | 34,800                             |                                        | 29,600                             |                                        | 24,400                             | 100                   |
| 105                   | 33.4                 | 73.1                           |                                                 | 34,000                             |                                        | 32,100                             |                                        | 27,200                             |                                        | 22,200                             | 105                   |
| 110                   | 28.6                 | 64.4                           |                                                 | 31,400                             |                                        | 29,600                             |                                        | 25,000                             |                                        | 20,300                             | 110                   |
| 115                   | 22.9                 | 53.5                           |                                                 | 29,100                             |                                        | 27,400                             |                                        | 22,900                             |                                        | 18,500                             | 115                   |
| 120                   | 15.1                 | 38.0                           |                                                 | 26,900                             |                                        | 25,300                             |                                        | 21,100                             |                                        | 16,800                             | 120                   |

# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top  
0 Lb. to 95,400 Lb. Crane Counterweight  
With or Without 25,000 Lb. Front Bumper Counterweight  
Rating Over Rear or 360 Degrees On Fully Retracted 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 | 44,400 Lb.<br>Crane Counterweight      |                                    | 27,400 Lb.<br>Crane Counterweight      |                                    | 10,400 Lb.<br>Crane Counterweight      |                                    | 0 Lb.<br>Crane Counterweight           |                                    | 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                          | ↑<br>NOT<br>ALLOWED<br>↓               | 189,700*                           | 62,700                                 | 183,300*                           | 43,200                                 | 170,400*                           | 31,300                                 | 162,500*                           | 22                    |
| 24                    | 81.3                 | 127.3                          |                                        | 177,800*                           | 54,800                                 | 166,000*                           | 37,300                                 | 154,300*                           | 26,600                                 | 140,700                            | 24                    |
| 26                    | 80.3                 | 127.0                          |                                        | 162,400*                           | 48,300                                 | 151,600*                           | 32,500                                 | 138,300                            | 22,800                                 | 116,900                            | 26                    |
| 28                    | 79.4                 | 126.6                          |                                        | 149,300*                           | 43,000                                 | 139,300*                           | 28,500                                 | 118,000                            | 19,700                                 | 99,500                             | 28                    |
| 30                    | 78.4                 | 126.1                          |                                        | 138,100*                           | 38,500                                 | 128,700*                           | 25,200                                 | 102,500                            | 17,100                                 | 86,100                             | 30                    |
| 32                    | 77.4                 | 125.7                          |                                        | 128,200*                           | 34,700                                 | 114,200                            | 22,300                                 | 90,200                             | 14,800                                 | 75,600                             | 32                    |
| 34                    | 76.4                 | 125.2                          |                                        | 119,600*                           | 31,400                                 | 102,000                            | 19,900                                 | 80,300                             | 12,900                                 | 67,100                             | 34                    |
| 36                    | 75.4                 | 124.6                          |                                        | 111,800                            | 28,500                                 | 92,000                             | 17,700                                 | 72,200                             | 11,200                                 | 60,100                             | 36                    |
| 38                    | 74.4                 | 124.0                          |                                        | 101,700                            | 26,000                                 | 83,500                             | 15,800                                 | 65,300                             | 9,700                                  | 54,200                             | 38                    |
| 40                    | 73.4                 | 123.4                          |                                        | 93,200                             | 23,700                                 | 76,300                             | 14,200                                 | 59,400                             | 8,400                                  | 49,200                             | 40                    |
| 45                    | 70.9                 | 121.7                          |                                        | 76,500                             | 19,100                                 | 62,200                             | 10,700                                 | 48,000                             | 5,600                                  | 39,300                             | 45                    |
| 50                    | 68.4                 | 119.7                          |                                        | 64,300                             | 15,400                                 | 52,000                             | 8,000                                  | 39,700                             | 3,500                                  | 32,200                             | 50                    |
| 55                    | 65.7                 | 117.5                          |                                        | 55,000                             | 12,500                                 | 44,100                             | 5,800                                  | 33,300                             |                                        | 26,700                             | 55                    |
| 60                    | 63.1                 | 115.0                          |                                        | 47,600                             | 10,100                                 | 38,000                             | 4,100                                  | 28,300                             |                                        | 22,400                             | 60                    |
| 65                    | 60.3                 | 112.2                          |                                        | 41,700                             | 8,100                                  | 33,000                             | 2,600                                  | 24,200                             |                                        | 18,900                             | 65                    |
| 70                    | 57.5                 | 109.0                          |                                        | 36,800                             | 6,400                                  | 28,800                             |                                        | 20,900                             |                                        | 16,000                             | 70                    |
| 75                    | 54.6                 | 105.5                          |                                        | 32,700                             | 5,000                                  | 25,400                             |                                        | 18,000                             |                                        | 13,600                             | 75                    |
| 80                    | 51.6                 | 101.6                          |                                        | 29,200                             | 3,700                                  | 22,400                             |                                        | 15,600                             |                                        | 11,500                             | 80                    |
| 85                    | 48.4                 | 97.2                           |                                        | 26,200                             | 2,600                                  | 19,900                             |                                        | 13,500                             |                                        | 9,700                              | 85                    |
| 90                    | 45.0                 | 92.3                           |                                        | 23,500                             |                                        | 17,600                             |                                        | 11,700                             |                                        | 8,100                              | 90                    |
| 95                    | 41.5                 | 86.8                           |                                        | 21,200                             |                                        | 15,700                             |                                        | 10,100                             |                                        | 6,700                              | 95                    |
| 100                   | 37.6                 | 80.5                           |                                        | 19,100                             |                                        | 13,900                             |                                        | 8,700                              |                                        | 5,500                              | 100                   |
| 105                   | 33.4                 | 73.1                           |                                        | 17,300                             |                                        | 12,300                             |                                        | 7,400                              |                                        | 4,400                              | 105                   |
| 110                   | 28.6                 | 64.4                           |                                        | 15,600                             |                                        | 10,900                             |                                        | 6,200                              |                                        | 3,300                              | 110                   |
| 115                   | 22.9                 | 53.5                           |                                        | 14,000                             |                                        | 9,600                              |                                        | 5,100                              |                                        | 2,400                              | 115                   |
| 120                   | 15.1                 | 38.0                           |                                        | 12,500                             |                                        | 8,300                              |                                        | 4,000                              |                                        |                                    | 120                   |

# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top

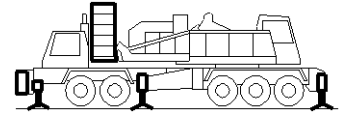
0 Lb. to 95,400 Lb. Crane Counterweight

With or Without 25,000 Lb. Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Retracted Outriggers

Meets  
ANSI B30.5  
Requirements

**777T**



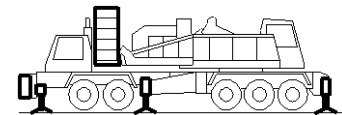
## 130 Ft. Boom

| 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. |                                    | 95,400 Lb.<br>Crane Counterweight      |                                    | 78,400 Lb.<br>Crane Counterweight      |                                    | 61,400 Lb.<br>Crane Counterweight      |                                    | 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                    | 82.9                 | 137.8                          | ↑                                               | 178,100*                           | ↑                                      | 178,100*                           | ↑                                      | 178,100*                           | ↑                                      | 178,100*                           | 22                    |
| 24                    | 82.0                 | 137.5                          |                                                 | 168,900*                           |                                        | 168,900*                           |                                        | 168,900*                           |                                        | 168,900*                           | 24                    |
| 26                    | 81.1                 | 137.1                          |                                                 | 160,500*                           |                                        | 160,500*                           |                                        | 160,500*                           |                                        | 160,500*                           | 26                    |
| 28                    | 80.2                 | 136.8                          |                                                 | 152,700*                           |                                        | 152,700*                           |                                        | 152,700*                           |                                        | 152,700*                           | 28                    |
| 30                    | 79.3                 | 136.4                          |                                                 | 145,700*                           |                                        | 145,700*                           |                                        | 145,700*                           |                                        | 145,700*                           | 30                    |
| 32                    | 78.4                 | 135.9                          | ↑                                               | 139,100*                           | ↑                                      | 139,100*                           | ↑                                      | 139,100*                           | ↑                                      | 136,600*                           | 32                    |
| 34                    | 77.5                 | 135.5                          |                                                 | 133,000*                           |                                        | 133,000*                           |                                        | 133,000*                           |                                        | 127,500*                           | 34                    |
| 36                    | 76.6                 | 135.0                          |                                                 | 126,700*                           |                                        | 126,700*                           |                                        | 126,700*                           |                                        | 119,400*                           | 36                    |
| 38                    | 75.7                 | 134.4                          |                                                 | 120,900*                           |                                        | 120,900*                           |                                        | 119,400*                           |                                        | 112,200*                           | 38                    |
| 40                    | 74.8                 | 133.9                          |                                                 | 115,500*                           |                                        | 115,500*                           |                                        | 112,600*                           |                                        | 105,700*                           | 40                    |
| 45                    | 72.5                 | 132.3                          | NOT<br>ALLOWED                                  | 103,700*                           | NOT<br>ALLOWED                         | 103,700*                           | NOT<br>ALLOWED                         | 98,200*                            | NOT<br>ALLOWED                         | 90,700                             | 45                    |
| 50                    | 70.1                 | 130.5                          |                                                 | 92,300*                            |                                        | 92,300*                            |                                        | 86,800*                            |                                        | 76,500                             | 50                    |
| 55                    | 67.7                 | 128.5                          |                                                 | 82,500*                            |                                        | 82,500*                            |                                        | 76,500                             |                                        | 65,700                             | 55                    |
| 60                    | 65.3                 | 126.2                          |                                                 | 74,300*                            |                                        | 74,300*                            |                                        | 66,900                             |                                        | 57,200                             | 60                    |
| 65                    | 62.8                 | 123.6                          |                                                 | 67,400*                            |                                        | 67,400*                            |                                        | 59,100                             |                                        | 50,300                             | 65                    |
| 70                    | 60.3                 | 120.8                          | NOT<br>ALLOWED                                  | 61,500*                            | NOT<br>ALLOWED                         | 60,600                             | NOT<br>ALLOWED                         | 52,600                             | NOT<br>ALLOWED                         | 44,600                             | 70                    |
| 75                    | 57.7                 | 117.7                          |                                                 | 56,400*                            |                                        | 54,500                             |                                        | 47,200                             |                                        | 39,900                             | 75                    |
| 80                    | 55.0                 | 114.2                          |                                                 | 52,000*                            |                                        | 49,400                             |                                        | 42,600                             |                                        | 35,800                             | 80                    |
| 85                    | 52.2                 | 110.4                          |                                                 | 47,300                             |                                        | 44,900                             |                                        | 38,600                             |                                        | 32,300                             | 85                    |
| 90                    | 49.4                 | 106.2                          |                                                 | 43,300                             |                                        | 41,100                             |                                        | 35,200                             |                                        | 29,200                             | 90                    |
| 95                    | 46.3                 | 101.5                          | ↓                                               | 39,800                             | ↓                                      | 37,700                             | ↓                                      | 32,100                             | ↓                                      | 26,600                             | 95                    |
| 100                   | 43.1                 | 96.2                           |                                                 | 36,600                             |                                        | 34,600                             |                                        | 29,400                             |                                        | 24,200                             | 100                   |
| 105                   | 39.7                 | 90.3                           |                                                 | 33,800                             |                                        | 31,900                             |                                        | 27,000                             |                                        | 22,000                             | 105                   |
| 110                   | 36.1                 | 83.7                           |                                                 | 31,300                             |                                        | 29,500                             |                                        | 24,800                             |                                        | 20,100                             | 110                   |
| 115                   | 32.0                 | 76.0                           |                                                 | 29,000                             |                                        | 27,300                             |                                        | 22,800                             |                                        | 18,400                             | 115                   |
| 120                   | 27.4                 | 66.8                           | ↓                                               | 26,900                             | ↓                                      | 25,200                             | ↓                                      | 21,000                             | ↓                                      | 16,700                             | 120                   |
| 125                   | 21.9                 | 55.4                           |                                                 | 24,900                             |                                        | 23,400                             |                                        | 19,300                             |                                        | 15,300                             | 125                   |
| 130                   | 14.4                 | 39.1                           |                                                 | 23,100                             |                                        | 21,600                             |                                        | 17,700                             |                                        | 13,800                             | 130                   |

# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top  
0 Lb. to 95,400 Lb. Crane Counterweight  
With or Without 25,000 Lb. Front Bumper Counterweight  
Rating Over Rear or 360 Degrees On Fully Retracted 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 | 44,400 Lb.<br>Crane Counterweight      |                                    | 27,400 Lb.<br>Crane Counterweight      |                                    | 10,400 Lb.<br>Crane Counterweight      |                                    | 0 Lb.<br>Crane Counterweight           |                                    | 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                    | 82.9                 | 137.8                          |                                        | 178,100*                           | 62,600                                 | 178,100*                           | 43,000                                 | 170,100*                           | 31,100                                 | 162,200*                           | 22                    |
| 24                    | 82.0                 | 137.5                          |                                        | 168,900*                           | 54,600                                 | 165,700*                           | 37,100                                 | 154,000*                           | 26,500                                 | 141,400                            | 24                    |
| 26                    | 81.1                 | 137.1                          |                                        | 160,500*                           | 48,200                                 | 151,300*                           | 32,300                                 | 138,800                            | 22,700                                 | 117,400                            | 26                    |
| 28                    | 80.2                 | 136.8                          |                                        | 149,000*                           | 42,800                                 | 139,000*                           | 28,300                                 | 118,400                            | 19,500                                 | 99,900                             | 28                    |
| 30                    | 79.3                 | 136.4                          |                                        | 137,700*                           | 38,300                                 | 128,400*                           | 25,000                                 | 102,800                            | 16,800                                 | 86,500                             | 30                    |
| 32                    | 78.4                 | 135.9                          |                                        | 127,900*                           | 34,500                                 | 114,500                            | 22,100                                 | 90,500                             | 14,600                                 | 75,900                             | 32                    |
| 34                    | 77.5                 | 135.5                          |                                        | 119,300*                           | 31,100                                 | 102,200                            | 19,600                                 | 80,500                             | 12,600                                 | 67,300                             | 34                    |
| 36                    | 76.6                 | 135.0                          |                                        | 111,700*                           | 28,300                                 | 92,100                             | 17,500                                 | 72,300                             | 10,900                                 | 60,200                             | 36                    |
| 38                    | 75.7                 | 134.4                          |                                        | 101,800                            | 25,700                                 | 83,600                             | 15,600                                 | 65,400                             | 9,400                                  | 54,300                             | 38                    |
| 40                    | 74.8                 | 133.9                          |                                        | 93,200                             | 23,500                                 | 76,400                             | 13,900                                 | 59,500                             | 8,100                                  | 49,200                             | 40                    |
| 45                    | 72.5                 | 132.3                          | NOT<br>ALLOWED                         | 76,400                             | 18,800                                 | 62,200                             | 10,400                                 | 48,000                             | 5,300                                  | 39,300                             | 45                    |
| 50                    | 70.1                 | 130.5                          |                                        | 64,200                             | 15,100                                 | 51,900                             | 7,700                                  | 39,600                             | 3,200                                  | 32,100                             | 50                    |
| 55                    | 67.7                 | 128.5                          |                                        | 54,900                             | 12,200                                 | 44,000                             | 5,500                                  | 33,200                             |                                        | 26,600                             | 55                    |
| 60                    | 65.3                 | 126.2                          |                                        | 47,500                             | 9,800                                  | 37,800                             | 3,700                                  | 28,100                             |                                        | 22,200                             | 60                    |
| 65                    | 62.8                 | 123.6                          |                                        | 41,600                             | 7,800                                  | 32,800                             | 2,200                                  | 24,100                             |                                        | 18,700                             | 65                    |
| 70                    | 60.3                 | 120.8                          |                                        | 36,600                             | 6,100                                  | 28,700                             |                                        | 20,700                             |                                        | 15,800                             | 70                    |
| 75                    | 57.7                 | 117.7                          |                                        | 32,500                             | 4,700                                  | 25,200                             |                                        | 17,800                             |                                        | 13,400                             | 75                    |
| 80                    | 55.0                 | 114.2                          |                                        | 29,000                             | 3,400                                  | 22,200                             |                                        | 15,400                             |                                        | 11,300                             | 80                    |
| 85                    | 52.2                 | 110.4                          |                                        | 26,000                             | 2,300                                  | 19,700                             |                                        | 13,300                             |                                        | 9,500                              | 85                    |
| 90                    | 49.4                 | 106.2                          |                                        | 23,300                             |                                        | 17,400                             |                                        | 11,500                             |                                        | 7,900                              | 90                    |
| 95                    | 46.3                 | 101.5                          |                                        | 21,000                             |                                        | 15,500                             |                                        | 9,900                              |                                        | 6,500                              | 95                    |
| 100                   | 43.1                 | 96.2                           |                                        | 18,900                             |                                        | 13,700                             |                                        | 8,500                              |                                        | 5,300                              | 100                   |
| 105                   | 39.7                 | 90.3                           |                                        | 17,100                             |                                        | 12,100                             |                                        | 7,200                              |                                        | 4,200                              | 105                   |
| 110                   | 36.1                 | 83.7                           |                                        | 15,400                             |                                        | 10,700                             |                                        | 6,000                              |                                        | 3,200                              | 110                   |
| 115                   | 32.0                 | 76.0                           |                                        | 13,900                             |                                        | 9,400                              |                                        | 5,000                              |                                        | 2,300                              | 115                   |
| 120                   | 27.4                 | 66.8                           |                                        | 12,500                             |                                        | 8,200                              |                                        | 4,000                              |                                        |                                    | 120                   |
| 125                   | 21.9                 | 55.4                           |                                        | 11,200                             |                                        | 7,100                              |                                        | 3,100                              |                                        |                                    | 125                   |
| 130                   | 14.4                 | 39.1                           |                                        | 10,000                             |                                        | 6,100                              |                                        | 2,200                              |                                        |                                    | 130                   |

# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top

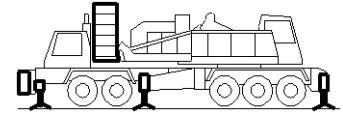
0 Lb. to 95,400 Lb. Crane Counterweight

With or Without 25,000 Lb. Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Retracted Outriggers

Meets  
ANSI B30.5  
Requirements

**777T**



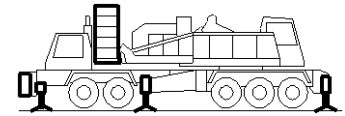
## 140 Ft. Boom

| 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. |                                    | 95,400 Lb.<br>Crane Counterweight      |                                    | 78,400 Lb.<br>Crane Counterweight      |                                    | 61,400 Lb.<br>Crane Counterweight      |                                    | 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                          | ↑                                               | 160,600*                           | ↑                                      | 160,600*                           | ↑                                      | 160,600*                           | ↑                                      | 160,600*                           | 24                    |
| 26                    | 81.7                 | 147.3                          |                                                 | 153,300*                           |                                        | 153,300*                           |                                        | 153,300*                           |                                        | 153,300*                           | 26                    |
| 28                    | 80.9                 | 146.9                          |                                                 | 145,700*                           |                                        | 145,700*                           |                                        | 145,700*                           |                                        | 145,700*                           | 28                    |
| 30                    | 80.1                 | 146.6                          |                                                 | 138,700*                           |                                        | 138,700*                           |                                        | 138,700*                           |                                        | 138,700*                           | 30                    |
| 32                    | 79.2                 | 146.2                          |                                                 | 132,200*                           |                                        | 132,200*                           |                                        | 132,200*                           |                                        | 132,200*                           | 32                    |
| 34                    | 78.4                 | 145.7                          |                                                 | 126,200*                           |                                        | 126,200*                           |                                        | 126,200*                           |                                        | 126,200*                           | 34                    |
| 36                    | 77.6                 | 145.3                          |                                                 | 120,600*                           |                                        | 120,600*                           |                                        | 120,600*                           |                                        | 119,100*                           | 36                    |
| 38                    | 76.7                 | 144.8                          |                                                 | 115,000*                           |                                        | 115,000*                           |                                        | 115,000*                           |                                        | 111,900*                           | 38                    |
| 40                    | 75.9                 | 144.3                          |                                                 | 109,800*                           |                                        | 109,800*                           |                                        | 109,800*                           |                                        | 105,400*                           | 40                    |
| 45                    | 73.7                 | 142.8                          |                                                 | 98,300*                            |                                        | 98,300*                            |                                        | 97,900*                            |                                        | 90,600                             | 45                    |
| 50                    | 71.6                 | 141.2                          | NOT<br>ALLOWED                                  | 88,700*                            | NOT<br>ALLOWED                         | 88,700*                            | NOT<br>ALLOWED                         | 86,500*                            | NOT<br>ALLOWED                         | 76,400                             | 50                    |
| 55                    | 69.4                 | 139.3                          |                                                 | 80,400*                            |                                        | 80,400*                            |                                        | 76,400                             |                                        | 65,600                             | 55                    |
| 60                    | 67.2                 | 137.2                          |                                                 | 73,200*                            |                                        | 73,200*                            |                                        | 66,700                             |                                        | 57,000                             | 60                    |
| 65                    | 64.9                 | 134.9                          |                                                 | 66,900*                            |                                        | 66,900*                            |                                        | 58,900                             |                                        | 50,200                             | 65                    |
| 70                    | 62.6                 | 132.3                          |                                                 | 61,200*                            |                                        | 60,400                             |                                        | 52,400                             |                                        | 44,500                             | 70                    |
| 75                    | 60.3                 | 129.5                          |                                                 | 56,100*                            |                                        | 54,400                             |                                        | 47,000                             |                                        | 39,700                             | 75                    |
| 80                    | 57.9                 | 126.4                          |                                                 | 51,700*                            |                                        | 49,200                             |                                        | 42,400                             |                                        | 35,600                             | 80                    |
| 85                    | 55.4                 | 122.9                          |                                                 | 47,100                             |                                        | 44,700                             |                                        | 38,400                             |                                        | 32,100                             | 85                    |
| 90                    | 52.8                 | 119.2                          |                                                 | 43,100                             |                                        | 40,900                             |                                        | 35,000                             |                                        | 29,100                             | 90                    |
| 95                    | 50.2                 | 115.1                          |                                                 | 39,600                             |                                        | 37,500                             |                                        | 31,900                             |                                        | 26,400                             | 95                    |
| 100                   | 47.4                 | 110.5                          | ↓                                               | 36,400                             | ↓                                      | 34,400                             | ↓                                      | 29,200                             | ↓                                      | 24,000                             | 100                   |
| 105                   | 44.5                 | 105.5                          |                                                 | 33,600                             |                                        | 31,700                             |                                        | 26,800                             |                                        | 21,800                             | 105                   |
| 110                   | 41.5                 | 100.0                          |                                                 | 31,100                             |                                        | 29,300                             |                                        | 24,600                             |                                        | 19,900                             | 110                   |
| 115                   | 38.2                 | 93.8                           |                                                 | 28,800                             |                                        | 27,100                             |                                        | 22,600                             |                                        | 18,200                             | 115                   |
| 120                   | 34.7                 | 86.8                           |                                                 | 26,700                             |                                        | 25,100                             |                                        | 20,900                             |                                        | 16,600                             | 120                   |
| 125                   | 30.8                 | 78.7                           |                                                 | 24,800                             |                                        | 23,300                             |                                        | 19,200                             |                                        | 15,100                             | 125                   |
| 130                   | 26.4                 | 69.1                           |                                                 | 23,000                             |                                        | 21,600                             |                                        | 17,700                             |                                        | 13,800                             | 130                   |
| 135                   | 21.1                 | 57.2                           |                                                 | 21,400                             |                                        | 20,000                             |                                        | 16,300                             |                                        | 12,500                             | 135                   |
| 140                   | 13.9                 | 40.3                           |                                                 | 19,900                             |                                        | 18,500                             |                                        | 14,900                             |                                        | 11,300                             | 140                   |

# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top  
0 Lb. to 95,400 Lb. Crane Counterweight  
With or Without 25,000 Lb. Front Bumper Counterweight  
Rating Over Rear or 360 Degrees On Fully Retracted 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 | 44,400 Lb.<br>Crane Counterweight      |                                    | 27,400 Lb.<br>Crane Counterweight      |                                    | 10,400 Lb.<br>Crane Counterweight      |                                    | 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                          | NOT<br>A<br>L<br>L<br>O<br>W<br>E<br>D | 160,600*                           | 54,500                                 | 160,600*                           | 37,000                                 | 153,700*                           | 24                    |
| 26                    | 81.7                 | 147.3                          |                                        | 153,300*                           | 48,000                                 | 151,000*                           | 32,100                                 | 139,200                            | 26                    |
| 28                    | 80.9                 | 146.9                          |                                        | 145,700*                           | 42,600                                 | 138,700*                           | 28,100                                 | 118,700                            | 28                    |
| 30                    | 80.1                 | 146.6                          |                                        | 137,400*                           | 38,100                                 | 128,100*                           | 24,800                                 | 103,000                            | 30                    |
| 32                    | 79.2                 | 146.2                          |                                        | 127,600*                           | 34,200                                 | 114,600                            | 21,900                                 | 90,600                             | 32                    |
| 34                    | 78.4                 | 145.7                          |                                        | 119,000*                           | 30,900                                 | 102,300                            | 19,400                                 | 80,600                             | 34                    |
| 36                    | 77.6                 | 145.3                          |                                        | 111,400*                           | 28,000                                 | 92,200                             | 17,200                                 | 72,400                             | 36                    |
| 38                    | 76.7                 | 144.8                          |                                        | 101,800                            | 25,500                                 | 83,600                             | 15,300                                 | 65,400                             | 38                    |
| 40                    | 75.9                 | 144.3                          |                                        | 93,200                             | 23,200                                 | 76,400                             | 13,700                                 | 59,500                             | 40                    |
| 45                    | 73.7                 | 142.8                          |                                        | 76,400                             | 18,500                                 | 62,200                             | 10,200                                 | 47,900                             | 45                    |
| 50                    | 71.6                 | 141.2                          |                                        | 64,100                             | 14,900                                 | 51,800                             | 7,400                                  | 39,500                             | 50                    |
| 55                    | 69.4                 | 139.3                          |                                        | 54,700                             | 11,900                                 | 43,900                             | 5,300                                  | 33,100                             | 55                    |
| 60                    | 67.2                 | 137.2                          |                                        | 47,400                             | 9,500                                  | 37,700                             | 3,500                                  | 28,000                             | 60                    |
| 65                    | 64.9                 | 134.9                          |                                        | 41,400                             | 7,500                                  | 32,600                             | 2,000                                  | 23,900                             | 65                    |
| 70                    | 62.6                 | 132.3                          |                                        | 36,500                             | 5,800                                  | 28,500                             |                                        | 20,500                             | 70                    |
| 75                    | 60.3                 | 129.5                          |                                        | 32,300                             | 4,400                                  | 25,000                             |                                        | 17,700                             | 75                    |
| 80                    | 57.9                 | 126.4                          |                                        | 28,800                             | 3,100                                  | 22,000                             |                                        | 15,200                             | 80                    |
| 85                    | 55.4                 | 122.9                          |                                        | 25,800                             | 2,000                                  | 19,500                             |                                        | 13,200                             | 85                    |
| 90                    | 52.8                 | 119.2                          |                                        | 23,100                             |                                        | 17,200                             |                                        | 11,300                             | 90                    |
| 95                    | 50.2                 | 115.1                          |                                        | 20,800                             |                                        | 15,300                             |                                        | 9,700                              | 95                    |
| 100                   | 47.4                 | 110.5                          |                                        | 18,800                             |                                        | 13,500                             |                                        | 8,300                              | 100                   |
| 105                   | 44.5                 | 105.5                          |                                        | 16,900                             |                                        | 12,000                             |                                        | 7,000                              | 105                   |
| 110                   | 41.5                 | 100.0                          |                                        | 15,200                             |                                        | 10,500                             |                                        | 5,900                              | 110                   |
| 115                   | 38.2                 | 93.8                           |                                        | 13,700                             |                                        | 9,300                              |                                        | 4,800                              | 115                   |
| 120                   | 34.7                 | 86.8                           |                                        | 12,400                             |                                        | 8,100                              |                                        | 3,800                              | 120                   |
| 125                   | 30.8                 | 78.7                           |                                        | 11,100                             |                                        | 7,000                              |                                        | 3,000                              | 125                   |
| 130                   | 26.4                 | 69.1                           |                                        | 9,900                              |                                        | 6,000                              |                                        | 2,100                              | 130                   |
| 135                   | 21.1                 | 57.2                           |                                        | 8,800                              |                                        | 5,100                              |                                        |                                    | 135                   |
| 140                   | 13.9                 | 40.3                           |                                        | 7,700                              |                                        | 4,200                              |                                        |                                    | 140                   |

# Liftcrane Boom Capacities

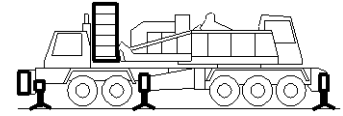
Boom No. 78T With Heavy Lift Top

0 Lb. to 95,400 Lb. Crane Counterweight

With or Without 25,000 Lb. Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Retracted 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 | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 95,400 Lb.<br>Crane Counterweight      |                                    | 78,400 Lb.<br>Crane Counterweight      |                                    | 61,400 Lb.<br>Crane Counterweight      |                                    | 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*                           | 26                    |
| 28                    | 81.5                 | 157.1                          |                                                 | 155,100*                           |                                        | 155,100*                           |                                        | 155,100*                           |                                        | 155,100*                           | 28                    |
| 30                    | 80.7                 | 156.7                          |                                                 | 148,000*                           |                                        | 148,000*                           |                                        | 148,000*                           |                                        | 146,200*                           | 30                    |
| 32                    | 80.0                 | 156.4                          |                                                 | 138,900*                           |                                        | 138,900*                           |                                        | 138,900*                           |                                        | 135,700*                           | 32                    |
| 34                    | 79.2                 | 156.0                          |                                                 | 130,900*                           |                                        | 130,900*                           |                                        | 130,900*                           |                                        | 126,600*                           | 34                    |
| 36                    | 78.4                 | 155.5                          |                                                 | 123,900*                           |                                        | 123,900*                           |                                        | 123,900*                           |                                        | 118,500*                           | 36                    |
| 38                    | 77.6                 | 155.1                          |                                                 | 117,600*                           |                                        | 117,600*                           |                                        | 117,600*                           |                                        | 111,300*                           | 38                    |
| 40                    | 76.8                 | 154.6                          |                                                 | 112,000*                           |                                        | 112,000*                           |                                        | 111,700*                           |                                        | 104,800*                           | 40                    |
| 45                    | 74.9                 | 153.2                          |                                                 | 100,200*                           |                                        | 100,200*                           |                                        | 97,300*                            |                                        | 90,400                             | 45                    |
| 50                    | 72.9                 | 151.7                          |                                                 | 90,700*                            |                                        | 90,700*                            |                                        | 85,800*                            |                                        | 76,100                             | 50                    |
| 55                    | 70.8                 | 150.0                          | NOT<br>ALLOWED                                  | 81,500*                            | NOT<br>ALLOWED                         | 81,500*                            | NOT<br>ALLOWED                         | 76,100                             | NOT<br>ALLOWED                         | 65,200                             | 55                    |
| 60                    | 68.8                 | 148.1                          |                                                 | 73,300*                            |                                        | 73,300*                            |                                        | 66,300                             |                                        | 56,700                             | 60                    |
| 65                    | 66.7                 | 145.9                          |                                                 | 66,500*                            |                                        | 66,500*                            |                                        | 58,500                             |                                        | 49,700                             | 65                    |
| 70                    | 64.6                 | 143.6                          |                                                 | 60,600*                            |                                        | 60,000                             |                                        | 52,000                             |                                        | 44,000                             | 70                    |
| 75                    | 62.5                 | 141.0                          |                                                 | 55,500*                            |                                        | 53,900                             |                                        | 46,600                             |                                        | 39,200                             | 75                    |
| 80                    | 60.3                 | 138.1                          | NOT<br>ALLOWED                                  | 51,000*                            | NOT<br>ALLOWED                         | 48,700                             | NOT<br>ALLOWED                         | 41,900                             | NOT<br>ALLOWED                         | 35,100                             | 80                    |
| 85                    | 58.0                 | 135.0                          |                                                 | 46,600                             |                                        | 44,200                             |                                        | 37,900                             |                                        | 31,600                             | 85                    |
| 90                    | 55.7                 | 131.7                          |                                                 | 42,600                             |                                        | 40,300                             |                                        | 34,400                             |                                        | 28,500                             | 90                    |
| 95                    | 53.3                 | 128.0                          |                                                 | 39,000                             |                                        | 36,900                             |                                        | 31,400                             |                                        | 25,800                             | 95                    |
| 100                   | 50.9                 | 123.9                          |                                                 | 35,900                             |                                        | 33,900                             |                                        | 28,700                             |                                        | 23,400                             | 100                   |
| 105                   | 48.3                 | 119.6                          | ↓                                               | 33,100                             | ↓                                      | 31,200                             | ↓                                      | 26,200                             | ↓                                      | 21,300                             | 105                   |
| 110                   | 45.7                 | 114.7                          |                                                 | 30,500                             |                                        | 28,800                             |                                        | 24,100                             |                                        | 19,400                             | 110                   |
| 115                   | 42.9                 | 109.5                          |                                                 | 28,200                             |                                        | 26,600                             |                                        | 22,100                             |                                        | 17,600                             | 115                   |
| 120                   | 40.0                 | 103.6                          |                                                 | 26,200                             |                                        | 24,600                             |                                        | 20,300                             |                                        | 16,100                             | 120                   |
| 125                   | 36.8                 | 97.1                           |                                                 | 24,300                             |                                        | 22,700                             |                                        | 18,700                             |                                        | 14,600                             | 125                   |
| 130                   | 33.4                 | 89.7                           |                                                 | 22,500                             |                                        | 21,000                             |                                        | 17,200                             |                                        | 13,300                             | 130                   |
| 135                   | 29.7                 | 81.3                           |                                                 | 20,900                             |                                        | 19,500                             |                                        | 15,800                             |                                        | 12,000                             | 135                   |
| 140                   | 25.4                 | 71.3                           |                                                 | 19,400                             |                                        | 18,000                             |                                        | 14,500                             |                                        | 10,900                             | 140                   |
| 145                   | 20.3                 | 58.9                           |                                                 | 18,000                             |                                        | 16,700                             |                                        | 13,200                             |                                        | 9,800                              | 145                   |
| 150                   | 13.4                 | 41.4                           |                                                 | 16,600                             |                                        | 15,400                             |                                        | 12,100                             |                                        | 8,700                              | 150                   |



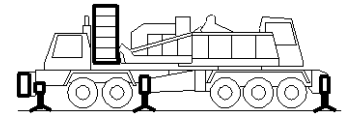
# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top

0 Lb. to 95,400 Lb. Crane Counterweight

With or Without 25,000 Lb. Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Retracted 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 | 44,400 Lb.<br>Crane Counterweight      |                                    | 27,400 Lb.<br>Crane Counterweight      |                                    | 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 |                       |
| 26                    | 82.3                 | 157.4                          |                                        | 161,100*                           | 47,700                                 | 150,500*                           | 26                    |
| 28                    | 81.5                 | 157.1                          |                                        | 148,200*                           | 42,200                                 | 138,200*                           | 28                    |
| 30                    | 80.7                 | 156.7                          |                                        | 136,900*                           | 37,700                                 | 127,600*                           | 30                    |
| 32                    | 80.0                 | 156.4                          |                                        | 127,000*                           | 33,800                                 | 114,800                            | 32                    |
| 34                    | 79.2                 | 156.0                          |                                        | 118,400*                           | 30,500                                 | 102,400                            | 34                    |
| 36                    | 78.4                 | 155.5                          |                                        | 110,800*                           | 27,500                                 | 92,200                             | 36                    |
| 38                    | 77.6                 | 155.1                          |                                        | 101,800                            | 25,000                                 | 83,600                             | 38                    |
| 40                    | 76.8                 | 154.6                          |                                        | 93,100                             | 22,700                                 | 76,300                             | 40                    |
| 45                    | 74.9                 | 153.2                          |                                        | 76,200                             | 18,000                                 | 62,000                             | 45                    |
| 50                    | 72.9                 | 151.7                          |                                        | 63,800                             | 14,300                                 | 51,500                             | 50                    |
| 55                    | 70.8                 | 150.0                          | NOT<br>ALLOWED                         | 54,400                             | 11,400                                 | 43,600                             | 55                    |
| 60                    | 68.8                 | 148.1                          |                                        | 47,000                             | 8,900                                  | 37,300                             | 60                    |
| 65                    | 66.7                 | 145.9                          |                                        | 41,000                             | 6,900                                  | 32,200                             | 65                    |
| 70                    | 64.6                 | 143.6                          |                                        | 36,000                             | 5,200                                  | 28,000                             | 70                    |
| 75                    | 62.5                 | 141.0                          |                                        | 31,900                             | 3,700                                  | 24,500                             | 75                    |
| 80                    | 60.3                 | 138.1                          |                                        | 28,300                             | 2,500                                  | 21,500                             | 80                    |
| 85                    | 58.0                 | 135.0                          |                                        | 25,300                             |                                        | 19,000                             | 85                    |
| 90                    | 55.7                 | 131.7                          |                                        | 22,600                             |                                        | 16,700                             | 90                    |
| 95                    | 53.3                 | 128.0                          |                                        | 20,300                             |                                        | 14,700                             | 95                    |
| 100                   | 50.9                 | 123.9                          |                                        | 18,200                             |                                        | 13,000                             | 100                   |
| 105                   | 48.3                 | 119.6                          |                                        | 16,400                             |                                        | 11,400                             | 105                   |
| 110                   | 45.7                 | 114.7                          |                                        | 14,700                             |                                        | 10,000                             | 110                   |
| 115                   | 42.9                 | 109.5                          |                                        | 13,200                             |                                        | 8,700                              | 115                   |
| 120                   | 40.0                 | 103.6                          |                                        | 11,800                             |                                        | 7,500                              | 120                   |
| 125                   | 36.8                 | 97.1                           |                                        | 10,500                             |                                        | 6,500                              | 125                   |
| 130                   | 33.4                 | 89.7                           |                                        | 9,400                              |                                        | 5,500                              | 130                   |
| 135                   | 29.7                 | 81.3                           |                                        | 8,300                              |                                        | 4,600                              | 135                   |
| 140                   | 25.4                 | 71.3                           |                                        | 7,300                              |                                        | 3,700                              | 140                   |
| 145                   | 20.3                 | 58.9                           |                                        | 6,300                              |                                        | 2,900                              | 145                   |
| 150                   | 13.4                 | 41.4                           |                                        | 5,400                              |                                        | 2,100                              | 150                   |

# Liftcrane Boom Capacities

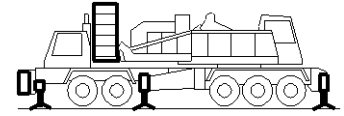
**Boom No. 78T With Heavy Lift Top**

**0 Lb. to 95,400 Lb. Crane Counterweight**

**With or Without 25,000 Lb. Front Bumper Counterweight**

**Rating Over Rear or 360 Degrees On Fully Retracted 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 | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    | 95,400 Lb.<br>Crane Counterweight      |                                    | 78,400 Lb.<br>Crane Counterweight      |                                    | 61,400 Lb.<br>Crane Counterweight      |                                    | 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                    | 82.8                 | 167.5                          | ↑                                               | 155,900*                           | ↑                                      | 155,900*                           | ↑                                      | 155,900*                           | ↑                                      | 155,900*                           | 26                    |
| 28                    | 82.1                 | 167.2                          |                                                 | 150,500*                           |                                        | 150,500*                           |                                        | 150,500*                           |                                        | 150,500*                           | 28                    |
| 30                    | 81.3                 | 166.9                          |                                                 | 145,000*                           |                                        | 145,000*                           |                                        | 145,000*                           |                                        | 145,000*                           | 30                    |
| 32                    | 80.6                 | 166.5                          |                                                 | 136,000*                           |                                        | 136,000*                           |                                        | 136,000*                           |                                        | 135,400*                           | 32                    |
| 34                    | 79.9                 | 166.2                          |                                                 | 128,100*                           |                                        | 128,100*                           |                                        | 128,100*                           |                                        | 126,200*                           | 34                    |
| 36                    | 79.1                 | 165.8                          |                                                 | 121,100*                           |                                        | 121,100*                           |                                        | 121,100*                           |                                        | 118,100*                           | 36                    |
| 38                    | 78.4                 | 165.3                          |                                                 | 115,000*                           |                                        | 115,000*                           |                                        | 115,000*                           |                                        | 110,900*                           | 38                    |
| 40                    | 77.7                 | 164.9                          |                                                 | 109,400*                           |                                        | 109,400*                           |                                        | 109,400*                           |                                        | 104,400*                           | 40                    |
| 45                    | 75.8                 | 163.6                          |                                                 | 97,800*                            |                                        | 97,800*                            |                                        | 96,900*                            |                                        | 90,300                             | 45                    |
| 50                    | 74.0                 | 162.2                          |                                                 | 88,500*                            |                                        | 88,500*                            |                                        | 85,500*                            |                                        | 75,900                             | 50                    |
| 55                    | 72.1                 | 160.6                          | ↓                                               | 80,900*                            | ↓                                      | 80,900*                            | ↓                                      | 75,900                             | ↓                                      | 65,000                             | 55                    |
| 60                    | 70.2                 | 158.8                          |                                                 | 73,000*                            |                                        | 73,000*                            |                                        | 66,100                             |                                        | 56,400                             | 60                    |
| 65                    | 68.3                 | 156.8                          |                                                 | 66,100*                            |                                        | 66,100*                            |                                        | 58,200                             |                                        | 49,500                             | 65                    |
| 70                    | 66.3                 | 154.6                          |                                                 | 60,200*                            |                                        | 59,700                             |                                        | 51,700                             |                                        | 43,800                             | 70                    |
| 75                    | 64.3                 | 152.2                          |                                                 | 55,100*                            |                                        | 53,600                             |                                        | 46,300                             |                                        | 39,000                             | 75                    |
| 80                    | 62.3                 | 149.6                          |                                                 | 50,700*                            |                                        | 48,400                             |                                        | 41,700                             |                                        | 34,900                             | 80                    |
| 85                    | 60.2                 | 146.8                          |                                                 | 46,400                             |                                        | 44,000                             |                                        | 37,700                             |                                        | 31,300                             | 85                    |
| 90                    | 58.1                 | 143.7                          |                                                 | 42,300                             |                                        | 40,100                             |                                        | 34,200                             |                                        | 28,300                             | 90                    |
| 95                    | 56.0                 | 140.4                          |                                                 | 38,800                             |                                        | 36,700                             |                                        | 31,100                             |                                        | 25,600                             | 95                    |
| 100                   | 53.8                 | 136.7                          |                                                 | 35,600                             |                                        | 33,600                             |                                        | 28,400                             |                                        | 23,200                             | 100                   |
| 105                   | 51.5                 | 132.8                          | ↓                                               | 32,800                             | ↓                                      | 30,900                             | ↓                                      | 26,000                             | ↓                                      | 21,000                             | 105                   |
| 110                   | 49.1                 | 128.5                          |                                                 | 30,300                             |                                        | 28,500                             |                                        | 23,800                             |                                        | 19,100                             | 110                   |
| 115                   | 46.7                 | 123.9                          |                                                 | 28,000                             |                                        | 26,300                             |                                        | 21,800                             |                                        | 17,400                             | 115                   |
| 120                   | 44.1                 | 118.8                          |                                                 | 25,900                             |                                        | 24,300                             |                                        | 20,000                             |                                        | 15,800                             | 120                   |
| 125                   | 41.5                 | 113.2                          |                                                 | 24,000                             |                                        | 22,500                             |                                        | 18,400                             |                                        | 14,300                             | 125                   |
| 130                   | 38.6                 | 107.1                          |                                                 | 22,300                             |                                        | 20,800                             |                                        | 16,900                             |                                        | 13,000                             | 130                   |
| 135                   | 35.6                 | 100.3                          |                                                 | 20,700                             |                                        | 19,300                             |                                        | 15,500                             |                                        | 11,800                             | 135                   |
| 140                   | 32.3                 | 92.6                           |                                                 | 19,200                             |                                        | 17,800                             |                                        | 14,200                             |                                        | 10,700                             | 140                   |
| 145                   | 28.7                 | 83.8                           |                                                 | 17,800                             |                                        | 16,500                             |                                        | 13,100                             |                                        | 9,600                              | 145                   |
| 150                   | 24.6                 | 73.5                           |                                                 | 16,500                             |                                        | 15,300                             |                                        | 11,900                             |                                        | 8,600                              | 150                   |
| 155                   | 19.6                 | 60.6                           | ↓                                               | 15,300                             | ↓                                      | 14,100                             | ↓                                      | 10,900                             | ↓                                      | 7,700                              | 155                   |
| 160                   | 12.9                 | 42.5                           |                                                 | 14,100                             |                                        | 12,900                             |                                        | 9,800                              |                                        | 6,700                              | 160                   |

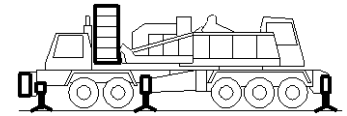
# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top

0 Lb. to 95,400 Lb. Crane Counterweight

With or Without 25,000 Lb. Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Retracted 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 | 44,400 Lb.<br>Crane Counterweight      |                                    | 27,400 Lb.<br>Crane Counterweight      |                                    | 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 |                       |
| 26                    | 82.8                 | 167.5                          |                                        | 155,900*                           | 47,400                                 | 150,100*                           | 26                    |
| 28                    | 82.1                 | 167.2                          |                                        | 147,800*                           | 42,000                                 | 137,800*                           | 28                    |
| 30                    | 81.3                 | 166.9                          |                                        | 136,500*                           | 37,400                                 | 127,200*                           | 30                    |
| 32                    | 80.6                 | 166.5                          |                                        | 126,700*                           | 33,500                                 | 114,800                            | 32                    |
| 34                    | 79.9                 | 166.2                          |                                        | 118,100*                           | 30,200                                 | 102,400                            | 34                    |
| 36                    | 79.1                 | 165.8                          |                                        | 110,400*                           | 27,200                                 | 92,100                             | 36                    |
| 38                    | 78.4                 | 165.3                          |                                        | 101,700                            | 24,700                                 | 83,500                             | 38                    |
| 40                    | 77.7                 | 164.9                          |                                        | 93,000                             | 22,400                                 | 76,200                             | 40                    |
| 45                    | 75.8                 | 163.6                          |                                        | 76,000                             | 17,600                                 | 61,800                             | 45                    |
| 50                    | 74.0                 | 162.2                          |                                        | 63,600                             | 14,000                                 | 51,300                             | 50                    |
| 55                    | 72.1                 | 160.6                          |                                        | 54,200                             | 11,000                                 | 43,400                             | 55                    |
| 60                    | 70.2                 | 158.8                          |                                        | 46,800                             | 8,600                                  | 37,100                             | 60                    |
| 65                    | 68.3                 | 156.8                          |                                        | 40,700                             | 6,600                                  | 32,000                             | 65                    |
| 70                    | 66.3                 | 154.6                          |                                        | 35,800                             | 4,900                                  | 27,800                             | 70                    |
| 75                    | 64.3                 | 152.2                          |                                        | 31,600                             | 3,400                                  | 24,300                             | 75                    |
| 80                    | 62.3                 | 149.6                          |                                        | 28,100                             | 2,100                                  | 21,300                             | 80                    |
| 85                    | 60.2                 | 146.8                          |                                        | 25,000                             |                                        | 18,700                             | 85                    |
| 90                    | 58.1                 | 143.7                          |                                        | 22,400                             |                                        | 16,400                             | 90                    |
| 95                    | 56.0                 | 140.4                          |                                        | 20,000                             |                                        | 14,500                             | 95                    |
| 100                   | 53.8                 | 136.7                          |                                        | 17,900                             |                                        | 12,700                             | 100                   |
| 105                   | 51.5                 | 132.8                          |                                        | 16,100                             |                                        | 11,100                             | 105                   |
| 110                   | 49.1                 | 128.5                          |                                        | 14,400                             |                                        | 9,700                              | 110                   |
| 115                   | 46.7                 | 123.9                          |                                        | 12,900                             |                                        | 8,400                              | 115                   |
| 120                   | 44.1                 | 118.8                          |                                        | 11,500                             |                                        | 7,300                              | 120                   |
| 125                   | 41.5                 | 113.2                          |                                        | 10,300                             |                                        | 6,200                              | 125                   |
| 130                   | 38.6                 | 107.1                          |                                        | 9,100                              |                                        | 5,200                              | 130                   |
| 135                   | 35.6                 | 100.3                          |                                        | 8,100                              |                                        | 4,300                              | 135                   |
| 140                   | 32.3                 | 92.6                           |                                        | 7,100                              |                                        | 3,500                              | 140                   |
| 145                   | 28.7                 | 83.8                           |                                        | 6,200                              |                                        | 2,700                              | 145                   |
| 150                   | 24.6                 | 73.5                           |                                        | 5,300                              |                                        | 2,000                              | 150                   |
| 155                   | 19.6                 | 60.6                           |                                        | 4,500                              |                                        |                                    | 155                   |
| 160                   | 12.9                 | 42.5                           |                                        | 3,700                              |                                        |                                    | 160                   |

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# Liftcrane Boom Capacities

**Boom No. 78T With Heavy Lift Top**

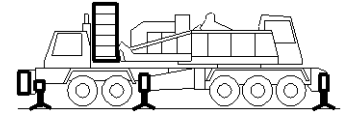
**0 Lb. to 95,400 Lb. Crane Counterweight**

**With or Without 25,000 Lb. Front Bumper Counterweight**

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

Meets  
ANSI B30.5  
Requirements

**777T**



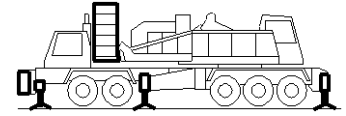
**170 Ft. Boom**

| 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. |                                    | 95,400 Lb.<br>Crane Counterweight      |                                    | 78,400 Lb.<br>Crane Counterweight      |                                    | 61,400 Lb.<br>Crane Counterweight      |                                    | 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                          | ↑                                               | 147,500*                           | ↑                                      | 147,500*                           | ↑                                      | 147,500*                           | ↑                                      | 147,500*                           | 28                    |
| 30                    | 81.8                 | 177.0                          |                                                 | 142,300*                           |                                        | 142,300*                           |                                        | 142,300*                           |                                        | 142,300*                           | 30                    |
| 32                    | 81.2                 | 176.7                          |                                                 | 133,300*                           |                                        | 133,300*                           |                                        | 133,300*                           |                                        | 133,300*                           | 32                    |
| 34                    | 80.5                 | 176.3                          |                                                 | 125,500*                           |                                        | 125,500*                           |                                        | 125,500*                           |                                        | 125,500*                           | 34                    |
| 36                    | 79.8                 | 176.0                          |                                                 | 118,600*                           |                                        | 118,600*                           |                                        | 118,600*                           |                                        | 118,100*                           | 36                    |
| 38                    | 79.1                 | 175.6                          | ↑                                               | 112,400*                           | ↑                                      | 112,400*                           | ↑                                      | 112,400*                           | ↑                                      | 110,800*                           | 38                    |
| 40                    | 78.4                 | 175.1                          |                                                 | 106,900*                           |                                        | 106,900*                           |                                        | 106,900*                           |                                        | 104,400*                           | 40                    |
| 45                    | 76.7                 | 174.0                          |                                                 | 95,400*                            |                                        | 95,400*                            |                                        | 95,400*                            |                                        | 90,300                             | 45                    |
| 50                    | 74.9                 | 172.6                          |                                                 | 86,200*                            |                                        | 86,200*                            |                                        | 85,400*                            |                                        | 75,900                             | 50                    |
| 55                    | 73.2                 | 171.1                          |                                                 | 78,700*                            |                                        | 78,700*                            |                                        | 75,900                             |                                        | 65,000                             | 55                    |
| 60                    | 71.4                 | 169.4                          | ↑                                               | 72,400*                            | ↑                                      | 72,400*                            | ↑                                      | 66,100                             | ↑                                      | 56,400                             | 60                    |
| 65                    | 69.6                 | 167.6                          |                                                 | 66,000*                            |                                        | 66,000*                            |                                        | 58,200                             |                                        | 49,500                             | 65                    |
| 70                    | 67.8                 | 165.6                          |                                                 | 60,200*                            |                                        | 59,700                             |                                        | 51,700                             |                                        | 43,700                             | 70                    |
| 75                    | 65.9                 | 163.3                          |                                                 | 55,100*                            |                                        | 53,600                             |                                        | 46,300                             |                                        | 38,900                             | 75                    |
| 80                    | 64.1                 | 160.9                          |                                                 | 50,600*                            |                                        | 48,400                             |                                        | 41,600                             |                                        | 34,800                             | 80                    |
| 85                    | 62.2                 | 158.3                          | ↑                                               | 46,300                             | ↑                                      | 44,000                             | ↑                                      | 37,600                             | ↑                                      | 31,300                             | 85                    |
| 90                    | 60.2                 | 155.5                          |                                                 | 42,300                             |                                        | 40,100                             |                                        | 34,200                             |                                        | 28,200                             | 90                    |
| 95                    | 58.3                 | 152.4                          |                                                 | 38,700                             |                                        | 36,600                             |                                        | 31,100                             |                                        | 25,500                             | 95                    |
| 100                   | 56.2                 | 149.1                          |                                                 | 35,600                             |                                        | 33,600                             |                                        | 28,400                             |                                        | 23,200                             | 100                   |
| 105                   | 54.2                 | 145.5                          |                                                 | 32,800                             |                                        | 30,900                             |                                        | 26,000                             |                                        | 21,000                             | 105                   |
| 110                   | 52.0                 | 141.6                          | ↑                                               | 30,300                             | ↑                                      | 28,500                             | ↑                                      | 23,800                             | ↑                                      | 19,100                             | 110                   |
| 115                   | 49.8                 | 137.4                          |                                                 | 28,000                             |                                        | 26,300                             |                                        | 21,800                             |                                        | 17,400                             | 115                   |
| 120                   | 47.6                 | 132.9                          |                                                 | 25,900                             |                                        | 24,300                             |                                        | 20,000                             |                                        | 15,800                             | 120                   |
| 125                   | 45.2                 | 128.0                          |                                                 | 24,000                             |                                        | 22,500                             |                                        | 18,400                             |                                        | 14,400                             | 125                   |
| 130                   | 42.7                 | 122.7                          |                                                 | 22,300                             |                                        | 20,800                             |                                        | 16,900                             |                                        | 13,000                             | 130                   |
| 135                   | 40.1                 | 116.8                          | ↑                                               | 20,700                             | ↑                                      | 19,300                             | ↑                                      | 15,500                             | ↑                                      | 11,800                             | 135                   |
| 140                   | 37.4                 | 110.4                          |                                                 | 19,200                             |                                        | 17,900                             |                                        | 14,300                             |                                        | 10,700                             | 140                   |
| 145                   | 34.5                 | 103.3                          |                                                 | 17,800                             |                                        | 16,500                             |                                        | 13,100                             |                                        | 9,600                              | 145                   |
| 150                   | 31.3                 | 95.4                           |                                                 | 16,600                             |                                        | 15,300                             |                                        | 12,000                             |                                        | 8,700                              | 150                   |
| 155                   | 27.8                 | 86.2                           |                                                 | 15,400                             |                                        | 14,200                             |                                        | 11,000                             |                                        | 7,800                              | 155                   |
| 160                   | 23.8                 | 75.5                           | ↑                                               | 14,300                             | ↑                                      | 13,100                             | ↑                                      | 10,000                             | ↑                                      | 6,900                              | 160                   |
| 165                   | 19.0                 | 62.2                           |                                                 | 13,200                             |                                        | 12,100                             |                                        | 9,100                              |                                        | 6,100                              | 165                   |
| 170                   | 12.5                 | 43.5                           |                                                 | 12,100                             |                                        | 11,100                             |                                        | 8,200                              |                                        | 5,300                              | 170                   |

# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top  
0 Lb. to 95,400 Lb. Crane Counterweight  
With or Without 25,000 Lb. Front Bumper Counterweight  
Rating Over Rear or 360 Degrees On Fully Retracted 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 | 44,400 Lb.<br>Crane Counterweight      |                                    |
|-----------------------|----------------------|--------------------------------|----------------------------------------|------------------------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds | Boom<br>Capacity<br>Rear<br>Pounds |
| 28                    | 82.5                 | 177.3                          | ↑                                      | 147,500*                           |
| 30                    | 81.8                 | 177.0                          |                                        | 136,400*                           |
| 32                    | 81.2                 | 176.7                          |                                        | 126,600*                           |
| 34                    | 80.5                 | 176.3                          |                                        | 118,000*                           |
| 36                    | 79.8                 | 176.0                          |                                        | 110,400*                           |
| 38                    | 79.1                 | 175.6                          |                                        | 101,700                            |
| 40                    | 78.4                 | 175.1                          |                                        | 93,000                             |
| 45                    | 76.7                 | 174.0                          |                                        | 76,000                             |
| 50                    | 74.9                 | 172.6                          |                                        | 63,600                             |
| 55                    | 73.2                 | 171.1                          |                                        | 54,200                             |
| 60                    | 71.4                 | 169.4                          | N<br>O<br>T                            | 46,700                             |
| 65                    | 69.6                 | 167.6                          |                                        | 40,700                             |
| 70                    | 67.8                 | 165.6                          |                                        | 35,800                             |
| 75                    | 65.9                 | 163.3                          |                                        | 31,600                             |
| 80                    | 64.1                 | 160.9                          |                                        | 28,100                             |
| 85                    | 62.2                 | 158.3                          |                                        | 25,000                             |
| 90                    | 60.2                 | 155.5                          |                                        | 22,300                             |
| 95                    | 58.3                 | 152.4                          |                                        | 20,000                             |
| 100                   | 56.2                 | 149.1                          |                                        | 17,900                             |
| 105                   | 54.2                 | 145.5                          |                                        | 16,100                             |
| 110                   | 52.0                 | 141.6                          | A<br>L<br>L<br>O<br>W<br>E<br>D        | 14,400                             |
| 115                   | 49.8                 | 137.4                          |                                        | 12,900                             |
| 120                   | 47.6                 | 132.9                          |                                        | 11,500                             |
| 125                   | 45.2                 | 128.0                          |                                        | 10,300                             |
| 130                   | 42.7                 | 122.7                          |                                        | 9,100                              |
| 135                   | 40.1                 | 116.8                          |                                        | 8,100                              |
| 140                   | 37.4                 | 110.4                          |                                        | 7,100                              |
| 145                   | 34.5                 | 103.3                          |                                        | 6,200                              |
| 150                   | 31.3                 | 95.4                           |                                        | 5,400                              |
| 155                   | 27.8                 | 86.2                           |                                        | 4,600                              |
| 160                   | 23.8                 | 75.5                           | ↓                                      | 3,800                              |
| 165                   | 19.0                 | 62.2                           |                                        | 3,100                              |
| 170                   | 12.5                 | 43.5                           |                                        | 2,400                              |

# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top

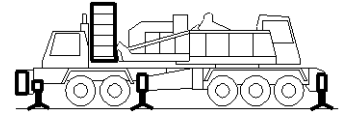
0 Lb. to 95,400 Lb. Crane Counterweight

With or Without 25,000 Lb. Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Retracted Outriggers

Meets  
ANSI B30.5  
Requirements

**777T**



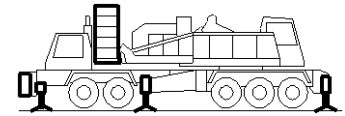
## 180 Ft. Boom

| 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. |                                    | 95,400 Lb.<br>Crane Counterweight      |                                    | 78,400 Lb.<br>Crane Counterweight      |                                    | 61,400 Lb.<br>Crane Counterweight      |                                    | 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                          | ↑                                               | 133,400*                           | ↑                                      | 133,400*                           | ↑                                      | 133,400*                           | ↑                                      | 133,400*                           | 28                    |
| 30                    | 82.3                 | 187.1                          |                                                 | 129,000*                           |                                        | 129,000*                           |                                        | 129,000*                           |                                        | 129,000*                           | 30                    |
| 32                    | 81.7                 | 186.8                          |                                                 | 124,900*                           |                                        | 124,900*                           |                                        | 124,900*                           |                                        | 124,900*                           | 32                    |
| 34                    | 81.0                 | 186.5                          |                                                 | 120,900*                           |                                        | 120,900*                           |                                        | 120,900*                           |                                        | 120,900*                           | 34                    |
| 36                    | 80.4                 | 186.1                          |                                                 | 115,700*                           |                                        | 115,700*                           |                                        | 115,700*                           |                                        | 115,700*                           | 36                    |
| 38                    | 79.7                 | 185.8                          | ↑                                               | 109,700*                           | ↑                                      | 109,700*                           | ↑                                      | 109,700*                           | ↑                                      | 109,700*                           | 38                    |
| 40                    | 79.1                 | 185.4                          |                                                 | 104,300*                           |                                        | 104,300*                           |                                        | 104,300*                           |                                        | 104,000*                           | 40                    |
| 45                    | 77.4                 | 184.3                          |                                                 | 92,900*                            |                                        | 92,900*                            |                                        | 92,900*                            |                                        | 90,200                             | 45                    |
| 50                    | 75.8                 | 183.0                          |                                                 | 83,800*                            |                                        | 83,800*                            |                                        | 83,800*                            |                                        | 75,800                             | 50                    |
| 55                    | 74.1                 | 181.6                          |                                                 | 76,500*                            |                                        | 76,500*                            |                                        | 75,700                             |                                        | 64,800                             | 55                    |
| 60                    | 72.5                 | 180.0                          | ↑                                               | 70,300*                            | ↑                                      | 70,300*                            | ↑                                      | 65,900                             | ↑                                      | 56,200                             | 60                    |
| 65                    | 70.8                 | 178.3                          |                                                 | 65,000*                            |                                        | 65,000*                            |                                        | 58,000                             |                                        | 49,200                             | 65                    |
| 70                    | 69.1                 | 176.4                          |                                                 | 59,700*                            |                                        | 59,400                             |                                        | 51,500                             |                                        | 43,500                             | 70                    |
| 75                    | 67.4                 | 174.3                          |                                                 | 54,600*                            |                                        | 53,300                             |                                        | 46,000                             |                                        | 38,600                             | 75                    |
| 80                    | 65.6                 | 172.0                          |                                                 | 50,200*                            |                                        | 48,100                             |                                        | 41,300                             |                                        | 34,500                             | 80                    |
| 85                    | 63.8                 | 169.6                          | ↑                                               | 46,000                             | ↑                                      | 43,600                             | ↑                                      | 37,300                             | ↑                                      | 31,000                             | 85                    |
| 90                    | 62.1                 | 167.0                          |                                                 | 42,000                             |                                        | 39,700                             |                                        | 33,800                             |                                        | 27,900                             | 90                    |
| 95                    | 60.2                 | 164.1                          |                                                 | 38,400                             |                                        | 36,300                             |                                        | 30,800                             |                                        | 25,200                             | 95                    |
| 100                   | 58.4                 | 161.0                          |                                                 | 35,200                             |                                        | 33,300                             |                                        | 28,000                             |                                        | 22,800                             | 100                   |
| 105                   | 56.4                 | 157.8                          |                                                 | 32,400                             |                                        | 30,600                             |                                        | 25,600                             |                                        | 20,700                             | 105                   |
| 110                   | 54.5                 | 154.2                          | ↑                                               | 29,900                             | ↑                                      | 28,100                             | ↑                                      | 23,400                             | ↑                                      | 18,700                             | 110                   |
| 115                   | 52.5                 | 150.4                          |                                                 | 27,600                             |                                        | 25,900                             |                                        | 21,500                             |                                        | 17,000                             | 115                   |
| 120                   | 50.4                 | 146.3                          |                                                 | 25,500                             |                                        | 23,900                             |                                        | 19,700                             |                                        | 15,400                             | 120                   |
| 125                   | 48.3                 | 141.9                          |                                                 | 23,700                             |                                        | 22,100                             |                                        | 18,100                             |                                        | 14,000                             | 125                   |
| 130                   | 46.1                 | 137.2                          |                                                 | 21,900                             |                                        | 20,400                             |                                        | 16,600                             |                                        | 12,700                             | 130                   |
| 135                   | 43.8                 | 132.0                          | ↑                                               | 20,300                             | ↑                                      | 18,900                             | ↑                                      | 15,200                             | ↑                                      | 11,500                             | 135                   |
| 140                   | 41.5                 | 126.4                          |                                                 | 18,900                             |                                        | 17,500                             |                                        | 13,900                             |                                        | 10,300                             | 140                   |
| 145                   | 39.0                 | 120.4                          |                                                 | 17,500                             |                                        | 16,200                             |                                        | 12,700                             |                                        | 9,300                              | 145                   |
| 150                   | 36.3                 | 113.7                          |                                                 | 16,200                             |                                        | 15,000                             |                                        | 11,600                             |                                        | 8,300                              | 150                   |
| 155                   | 33.5                 | 106.3                          |                                                 | 15,000                             |                                        | 13,800                             |                                        | 10,600                             |                                        | 7,400                              | 155                   |
| 160                   | 30.4                 | 98.0                           | ↑                                               | 13,900                             | ↑                                      | 12,800                             | ↑                                      | 9,700                              | ↑                                      | 6,600                              | 160                   |
| 165                   | 27.0                 | 88.6                           |                                                 | 12,900                             |                                        | 11,700                             |                                        | 8,800                              |                                        | 5,800                              | 165                   |
| 170                   | 23.1                 | 77.5                           |                                                 | 11,900                             |                                        | 10,800                             |                                        | 7,900                              |                                        | 5,000                              | 170                   |
| 175                   | 18.5                 | 63.8                           |                                                 | 10,900                             |                                        | 9,900                              |                                        | 7,100                              |                                        | 4,300                              | 175                   |
| 180                   | 12.1                 | 44.5                           |                                                 | 10,000                             |                                        | 9,000                              |                                        | 6,300                              |                                        | 3,500                              | 180                   |

# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top  
0 Lb. to 95,400 Lb. Crane Counterweight  
With or Without 25,000 Lb. Front Bumper Counterweight  
Rating Over Rear or 360 Degrees On Fully Retracted 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 | 44,400 Lb.<br>Crane Counterweight      |                                    |
|-----------------------|----------------------|--------------------------------|----------------------------------------|------------------------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds | Boom<br>Capacity<br>Rear<br>Pounds |
| 28                    | 82.9                 | 187.4                          |                                        | 133,400*                           |
| 30                    | 82.3                 | 187.1                          |                                        | 129,000*                           |
| 32                    | 81.7                 | 186.8                          |                                        | 124,900*                           |
| 34                    | 81.0                 | 186.5                          |                                        | 117,600*                           |
| 36                    | 80.4                 | 186.1                          |                                        | 110,000*                           |
| 38                    | 79.7                 | 185.8                          |                                        | 101,700                            |
| 40                    | 79.1                 | 185.4                          |                                        | 93,000                             |
| 45                    | 77.4                 | 184.3                          |                                        | 75,900                             |
| 50                    | 75.8                 | 183.0                          |                                        | 63,500                             |
| 55                    | 74.1                 | 181.6                          |                                        | 54,000                             |
| 60                    | 72.5                 | 180.0                          |                                        | 46,500                             |
| 65                    | 70.8                 | 178.3                          |                                        | 40,500                             |
| 70                    | 69.1                 | 176.4                          |                                        | 35,500                             |
| 75                    | 67.4                 | 174.3                          |                                        | 31,300                             |
| 80                    | 65.6                 | 172.0                          |                                        | 27,700                             |
| 85                    | 63.8                 | 169.6                          |                                        | 24,700                             |
| 90                    | 62.1                 | 167.0                          |                                        | 22,000                             |
| 95                    | 60.2                 | 164.1                          |                                        | 19,700                             |
| 100                   | 58.4                 | 161.0                          |                                        | 17,600                             |
| 105                   | 56.4                 | 157.8                          |                                        | 15,700                             |
| 110                   | 54.5                 | 154.2                          |                                        | 14,100                             |
| 115                   | 52.5                 | 150.4                          |                                        | 12,500                             |
| 120                   | 50.4                 | 146.3                          |                                        | 11,200                             |
| 125                   | 48.3                 | 141.9                          |                                        | 9,900                              |
| 130                   | 46.1                 | 137.2                          |                                        | 8,800                              |
| 135                   | 43.8                 | 132.0                          |                                        | 7,700                              |
| 140                   | 41.5                 | 126.4                          |                                        | 6,800                              |
| 145                   | 39.0                 | 120.4                          |                                        | 5,800                              |
| 150                   | 36.3                 | 113.7                          |                                        | 5,000                              |
| 155                   | 33.5                 | 106.3                          |                                        | 4,200                              |
| 160                   | 30.4                 | 98.0                           |                                        | 3,500                              |
| 165                   | 27.0                 | 88.6                           |                                        | 2,800                              |
| 170                   | 23.1                 | 77.5                           |                                        | 2,100                              |

NOT ALLOWED

# Liftcrane Boom Capacities

**Boom No. 78T With Heavy Lift Top**

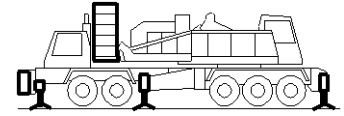
**0 Lb. to 95,400 Lb. Crane Counterweight**

**With or Without 25,000 Lb. Front Bumper Counterweight**

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

Meets  
ANSI B30.5  
Requirements

**777T**



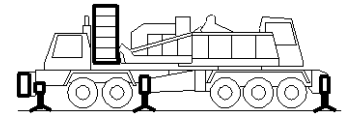
## 190 Ft. Boom

| 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. |                                    | 95,400 Lb.<br>Crane Counterweight      |                                    | 78,400 Lb.<br>Crane Counterweight      |                                    | 61,400 Lb.<br>Crane Counterweight      |                                    | 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                          | ↑                                               | 121,100*                           | ↑                                      | 121,100*                           | ↑                                      | 121,100*                           | ↑                                      | 121,100*                           | 30                    |
| 32                    | 82.1                 | 196.9                          |                                                 | 116,900*                           |                                        | 116,900*                           |                                        | 116,900*                           |                                        | 116,900*                           | 32                    |
| 34                    | 81.5                 | 196.6                          |                                                 | 112,900*                           |                                        | 112,900*                           |                                        | 112,900*                           |                                        | 112,900*                           | 34                    |
| 36                    | 80.9                 | 196.3                          |                                                 | 109,100*                           |                                        | 109,100*                           |                                        | 109,100*                           |                                        | 109,100*                           | 36                    |
| 38                    | 80.3                 | 195.9                          |                                                 | 105,500*                           |                                        | 105,500*                           |                                        | 105,500*                           |                                        | 105,500*                           | 38                    |
| 40                    | 79.7                 | 195.6                          |                                                 | 101,500*                           |                                        | 101,500*                           |                                        | 101,500*                           |                                        | 101,500*                           | 40                    |
| 45                    | 78.1                 | 194.5                          |                                                 | 90,400*                            |                                        | 90,400*                            |                                        | 90,400*                            |                                        | 90,000*                            | 45                    |
| 50                    | 76.6                 | 193.3                          |                                                 | 81,500*                            |                                        | 81,500*                            |                                        | 81,500*                            |                                        | 75,600                             | 50                    |
| 55                    | 75.0                 | 192.0                          |                                                 | 74,200*                            |                                        | 74,200*                            |                                        | 74,200*                            |                                        | 64,600                             | 55                    |
| 60                    | 73.4                 | 190.5                          |                                                 | 68,100*                            |                                        | 68,100*                            |                                        | 65,600                             |                                        | 55,900                             | 60                    |
| 65                    | 71.8                 | 188.9                          | NOT<br>ALLOWED                                  | 62,900*                            | NOT<br>ALLOWED                         | 62,900*                            | NOT<br>ALLOWED                         | 57,700                             | NOT<br>ALLOWED                         | 49,000                             | 65                    |
| 70                    | 70.2                 | 187.1                          |                                                 | 58,400*                            |                                        | 58,400*                            |                                        | 51,200                             |                                        | 43,200                             | 70                    |
| 75                    | 68.6                 | 185.1                          |                                                 | 54,200*                            |                                        | 53,000                             |                                        | 45,700                             |                                        | 38,400                             | 75                    |
| 80                    | 67.0                 | 183.0                          |                                                 | 49,800*                            |                                        | 47,800                             |                                        | 41,000                             |                                        | 34,200                             | 80                    |
| 85                    | 65.3                 | 180.7                          |                                                 | 45,700                             |                                        | 43,300                             |                                        | 37,000                             |                                        | 30,700                             | 85                    |
| 90                    | 63.6                 | 178.3                          |                                                 | 41,700                             |                                        | 39,400                             |                                        | 33,500                             |                                        | 27,600                             | 90                    |
| 95                    | 61.9                 | 175.6                          |                                                 | 38,100                             |                                        | 36,000                             |                                        | 30,400                             |                                        | 24,900                             | 95                    |
| 100                   | 60.2                 | 172.8                          |                                                 | 34,900                             |                                        | 32,900                             |                                        | 27,700                             |                                        | 22,500                             | 100                   |
| 105                   | 58.4                 | 169.7                          |                                                 | 32,100                             |                                        | 30,200                             |                                        | 25,300                             |                                        | 20,300                             | 105                   |
| 110                   | 56.6                 | 166.4                          |                                                 | 29,600                             |                                        | 27,800                             |                                        | 23,100                             |                                        | 18,400                             | 110                   |
| 115                   | 54.8                 | 162.9                          | ↓                                               | 27,300                             | ↓                                      | 25,600                             | ↓                                      | 21,100                             | ↓                                      | 16,700                             | 115                   |
| 120                   | 52.9                 | 159.2                          |                                                 | 25,200                             |                                        | 23,600                             |                                        | 19,300                             |                                        | 15,100                             | 120                   |
| 125                   | 51.0                 | 155.2                          |                                                 | 23,300                             |                                        | 21,800                             |                                        | 17,700                             |                                        | 13,700                             | 125                   |
| 130                   | 49.0                 | 150.9                          |                                                 | 21,600                             |                                        | 20,100                             |                                        | 16,200                             |                                        | 12,300                             | 130                   |
| 135                   | 46.9                 | 146.2                          |                                                 | 20,000                             |                                        | 18,600                             |                                        | 14,800                             |                                        | 11,100                             | 135                   |
| 140                   | 44.8                 | 141.3                          |                                                 | 18,500                             |                                        | 17,200                             |                                        | 13,600                             |                                        | 10,000                             | 140                   |
| 145                   | 42.6                 | 135.9                          |                                                 | 17,200                             |                                        | 15,800                             |                                        | 12,400                             |                                        | 9,000                              | 145                   |
| 150                   | 40.3                 | 130.1                          |                                                 | 15,900                             |                                        | 14,600                             |                                        | 11,300                             |                                        | 8,000                              | 150                   |
| 155                   | 37.9                 | 123.8                          |                                                 | 14,700                             |                                        | 13,500                             |                                        | 10,300                             |                                        | 7,100                              | 155                   |
| 160                   | 35.3                 | 116.8                          |                                                 | 13,600                             |                                        | 12,400                             |                                        | 9,300                              |                                        | 6,200                              | 160                   |
| 165                   | 32.5                 | 109.2                          |                                                 | 12,600                             |                                        | 11,400                             |                                        | 8,400                              |                                        | 5,400                              | 165                   |
| 170                   | 29.5                 | 100.6                          |                                                 | 11,600                             |                                        | 10,500                             |                                        | 7,600                              |                                        | 4,700                              | 170                   |
| 175                   | 26.2                 | 90.9                           |                                                 | 10,700                             |                                        | 9,600                              |                                        | 6,800                              |                                        | 4,000                              | 175                   |
| 180                   | 22.5                 | 79.5                           |                                                 | 9,800                              |                                        | 8,800                              |                                        | 6,000                              |                                        | 3,300                              | 180                   |
| 185                   | 17.9                 | 65.3                           |                                                 | 8,900                              |                                        | 7,900                              |                                        | 5,300                              |                                        | 2,700                              | 185                   |
| 190                   | 11.8                 | 45.5                           |                                                 | 8,100                              |                                        | 7,100                              |                                        | 4,600                              |                                        | 2,000                              | 190                   |



# Liftcrane Boom Capacities

**Boom No. 78T With Heavy Lift Top**
**0 Lb. to 95,400 Lb. Crane Counterweight**
**With or Without 25,000 Lb. Front Bumper Counterweight**
**Rating Over Rear or 360 Degrees On Fully Retracted Outriggers**

 Meets  
ANSI B30.5  
Requirements

**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. |                                    | 95,400 Lb.<br>Crane Counterweight      |                                    | 78,400 Lb.<br>Crane Counterweight      |                                    | 61,400 Lb.<br>Crane Counterweight      |                                    | 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                          | ↑                                               | 105,900*                           | ↑                                      | 105,900*                           | ↑                                      | 105,900*                           | ↑                                      | 105,900*                           | 32                    |
| 34                    | 81.9                 | 206.8                          |                                                 | 102,400*                           |                                        | 102,400*                           |                                        | 102,400*                           |                                        | 102,400*                           | 34                    |
| 36                    | 81.3                 | 206.4                          |                                                 | 99,000*                            |                                        | 99,000*                            |                                        | 99,000*                            |                                        | 99,000*                            | 36                    |
| 38                    | 80.8                 | 206.1                          |                                                 | 95,800*                            |                                        | 95,800*                            |                                        | 95,800*                            |                                        | 95,800*                            | 38                    |
| 40                    | 80.2                 | 205.7                          |                                                 | 92,700*                            |                                        | 92,700*                            |                                        | 92,700*                            |                                        | 92,700*                            | 40                    |
| 45                    | 78.7                 | 204.7                          |                                                 | 85,400*                            |                                        | 85,400*                            |                                        | 85,400*                            |                                        | 85,400*                            | 45                    |
| 50                    | 77.2                 | 203.6                          |                                                 | 78,600*                            |                                        | 78,600*                            |                                        | 78,600*                            |                                        | 75,400                             | 50                    |
| 55                    | 75.8                 | 202.4                          |                                                 | 72,200*                            |                                        | 72,200*                            |                                        | 72,200*                            |                                        | 64,400                             | 55                    |
| 60                    | 74.3                 | 201.0                          |                                                 | 66,300*                            |                                        | 66,300*                            |                                        | 65,400                             |                                        | 55,700                             | 60                    |
| 65                    | 72.8                 | 199.4                          |                                                 | 61,100*                            |                                        | 61,100*                            |                                        | 57,400                             |                                        | 48,700                             | 65                    |
| 70                    | 71.3                 | 197.7                          | ↓                                               | 56,300*                            | ↓                                      | 56,300*                            | ↓                                      | 50,900                             | ↓                                      | 42,900                             | 70                    |
| 75                    | 69.7                 | 195.9                          |                                                 | 52,100*                            |                                        | 52,100*                            |                                        | 45,400                             |                                        | 38,000                             | 75                    |
| 80                    | 68.2                 | 193.9                          |                                                 | 48,200*                            |                                        | 47,500                             |                                        | 40,700                             |                                        | 33,900                             | 80                    |
| 85                    | 66.6                 | 191.7                          |                                                 | 44,600*                            |                                        | 43,000                             |                                        | 36,700                             |                                        | 30,300                             | 85                    |
| 90                    | 65.1                 | 189.4                          |                                                 | 41,300*                            |                                        | 39,100                             |                                        | 33,100                             |                                        | 27,200                             | 90                    |
| 95                    | 63.5                 | 186.9                          |                                                 | 37,700                             |                                        | 35,600                             |                                        | 30,100                             |                                        | 24,500                             | 95                    |
| 100                   | 61.8                 | 184.3                          |                                                 | 34,500                             |                                        | 32,600                             |                                        | 27,300                             |                                        | 22,100                             | 100                   |
| 105                   | 60.2                 | 181.4                          |                                                 | 31,700                             |                                        | 29,800                             |                                        | 24,900                             |                                        | 20,000                             | 105                   |
| 110                   | 58.5                 | 178.4                          |                                                 | 29,200                             |                                        | 27,400                             |                                        | 22,700                             |                                        | 18,000                             | 110                   |
| 115                   | 56.8                 | 175.1                          |                                                 | 26,900                             |                                        | 25,200                             |                                        | 20,700                             |                                        | 16,300                             | 115                   |
| 120                   | 55.1                 | 171.7                          | ↓                                               | 24,800                             | ↓                                      | 23,200                             | ↓                                      | 18,900                             | ↓                                      | 14,700                             | 120                   |
| 125                   | 53.3                 | 168.0                          |                                                 | 22,900                             |                                        | 21,400                             |                                        | 17,300                             |                                        | 13,300                             | 125                   |
| 130                   | 51.5                 | 164.0                          |                                                 | 21,200                             |                                        | 19,700                             |                                        | 15,800                             |                                        | 11,900                             | 130                   |
| 135                   | 49.6                 | 159.8                          |                                                 | 19,600                             |                                        | 18,200                             |                                        | 14,400                             |                                        | 10,700                             | 135                   |
| 140                   | 47.7                 | 155.3                          |                                                 | 18,100                             |                                        | 16,800                             |                                        | 13,200                             |                                        | 9,600                              | 140                   |
| 145                   | 45.7                 | 150.4                          |                                                 | 16,700                             |                                        | 15,400                             |                                        | 12,000                             |                                        | 8,600                              | 145                   |
| 150                   | 43.6                 | 145.3                          |                                                 | 15,500                             |                                        | 14,200                             |                                        | 10,900                             |                                        | 7,600                              | 150                   |
| 155                   | 41.5                 | 139.7                          |                                                 | 14,200*                            |                                        | 13,100                             |                                        | 9,900                              |                                        | 6,700                              | 155                   |
| 160                   | 39.2                 | 133.6                          |                                                 | 12,900*                            |                                        | 12,000                             |                                        | 8,900                              |                                        | 5,800                              | 160                   |
| 165                   | 36.8                 | 127.1                          |                                                 | 11,600*                            |                                        | 11,000                             |                                        | 8,000                              |                                        | 5,100                              | 165                   |
| 170                   | 34.3                 | 119.9                          | ↓                                               | 10,400*                            | ↓                                      | 10,100                             | ↓                                      | 7,200                              | ↓                                      | 4,300                              | 170                   |
| 175                   | 31.7                 | 112.0                          |                                                 | 9,300*                             |                                        | 9,200                              |                                        | 6,400                              |                                        | 3,600                              | 175                   |
| 180                   | 28.8                 | 103.2                          |                                                 | 8,200*                             |                                        | 8,200*                             |                                        | 5,700                              |                                        | 2,900                              | 180                   |
| 185                   | 25.5                 | 93.1                           |                                                 | 7,200*                             |                                        | 7,200*                             |                                        | 4,900                              |                                        | 2,300                              | 185                   |
| 190                   | 21.9                 | 81.4                           |                                                 | 6,200*                             |                                        | 6,200*                             |                                        | 4,300                              |                                        |                                    | 190                   |
| 195                   | 17.5                 | 66.8                           |                                                 | 5,300*                             |                                        | 5,300*                             |                                        | 3,600                              |                                        |                                    | 195                   |
| 200                   | 11.4                 | 46.4                           |                                                 | 4,400*                             |                                        | 4,400*                             |                                        | 2,900                              |                                        |                                    | 200                   |

# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top

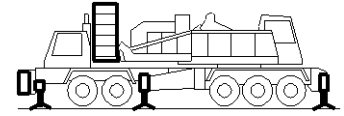
0 Lb. to 95,400 Lb. Crane Counterweight

With or Without 25,000 Lb. Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Retracted Outriggers

Meets  
ANSI B30.5  
Requirements

**777T**



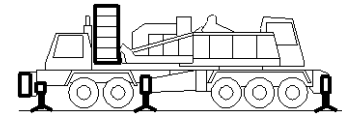
## 210 Ft. Boom

| 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. |                                    | 95,400 Lb.<br>Crane Counterweight      |                                    | 78,400 Lb.<br>Crane Counterweight      |                                    | 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 |                       |
| 34                    | 82.3                 | 216.9                          | ↑                                               | 106,100*                           | ↑                                      | 106,100*                           | ↑                                      | 106,100*                           | 34                    |
| 36                    | 81.8                 | 216.6                          |                                                 | 103,200*                           |                                        | 103,200*                           |                                        | 103,200*                           | 36                    |
| 38                    | 81.2                 | 216.2                          |                                                 | 100,400*                           |                                        | 100,400*                           |                                        | 100,400*                           | 38                    |
| 40                    | 80.7                 | 215.9                          |                                                 | 97,700*                            |                                        | 97,700*                            |                                        | 97,700*                            | 40                    |
| 45                    | 79.3                 | 215.0                          |                                                 | 87,500*                            |                                        | 87,500*                            |                                        | 87,500*                            | 45                    |
| 50                    | 77.9                 | 213.9                          |                                                 | 78,700*                            |                                        | 78,700*                            |                                        | 78,700*                            | 50                    |
| 55                    | 76.5                 | 212.7                          |                                                 | 71,500*                            |                                        | 71,500*                            |                                        | 71,500*                            | 55                    |
| 60                    | 75.1                 | 211.4                          |                                                 | 65,500*                            |                                        | 65,500*                            |                                        | 65,200                             | 60                    |
| 65                    | 73.6                 | 209.9                          |                                                 | 60,400*                            |                                        | 60,400*                            |                                        | 57,200                             | 65                    |
| 70                    | 72.2                 | 208.3                          |                                                 | 56,000*                            |                                        | 56,000*                            |                                        | 50,600                             | 70                    |
| 75                    | 70.8                 | 206.6                          | ↓                                               | 52,000*                            | ↓                                      | 52,000*                            | ↓                                      | 45,100                             | 75                    |
| 80                    | 69.3                 | 204.7                          |                                                 | 48,500*                            |                                        | 47,200                             |                                        | 40,500                             | 80                    |
| 85                    | 67.8                 | 202.6                          |                                                 | 45,100*                            |                                        | 42,700                             |                                        | 36,400                             | 85                    |
| 90                    | 66.3                 | 200.5                          |                                                 | 41,100                             |                                        | 38,800                             |                                        | 32,900                             | 90                    |
| 95                    | 64.8                 | 198.1                          |                                                 | 37,500                             |                                        | 35,400                             |                                        | 29,800                             | 95                    |
| 100                   | 63.3                 | 195.6                          |                                                 | 34,300                             |                                        | 32,300                             |                                        | 27,100                             | 100                   |
| 105                   | 61.8                 | 192.9                          |                                                 | 31,500                             |                                        | 29,600                             |                                        | 24,700                             | 105                   |
| 110                   | 60.2                 | 190.1                          |                                                 | 28,900                             |                                        | 27,200                             |                                        | 22,500                             | 110                   |
| 115                   | 58.6                 | 187.1                          |                                                 | 26,600                             |                                        | 25,000                             |                                        | 20,500                             | 115                   |
| 120                   | 57.0                 | 183.8                          |                                                 | 24,600                             |                                        | 23,000                             |                                        | 18,700                             | 120                   |
| 125                   | 55.3                 | 180.4                          | ↓                                               | 22,700                             | ↓                                      | 21,100                             | ↓                                      | 17,100                             | 125                   |
| 130                   | 53.6                 | 176.7                          |                                                 | 20,900                             |                                        | 19,500                             |                                        | 15,600                             | 130                   |
| 135                   | 51.9                 | 172.8                          |                                                 | 19,300                             |                                        | 17,900                             |                                        | 14,200                             | 135                   |
| 140                   | 50.1                 | 168.7                          |                                                 | 17,900                             |                                        | 16,500                             |                                        | 12,900                             | 140                   |
| 145                   | 48.3                 | 164.3                          |                                                 | 16,500                             |                                        | 15,200                             |                                        | 11,800                             | 145                   |
| 150                   | 46.4                 | 159.6                          |                                                 | 15,300                             |                                        | 14,000                             |                                        | 10,700                             | 150                   |
| 155                   | 44.5                 | 154.5                          |                                                 | 14,100                             |                                        | 12,900                             |                                        | 9,700                              | 155                   |
| 160                   | 42.5                 | 149.1                          |                                                 | 13,000                             |                                        | 11,800                             |                                        | 8,700                              | 160                   |
| 165                   | 40.4                 | 143.3                          |                                                 | 11,900                             |                                        | 10,800                             |                                        | 7,800                              | 165                   |
| 170                   | 38.2                 | 137.1                          |                                                 | 11,000                             |                                        | 9,900                              |                                        | 7,000                              | 170                   |
| 175                   | 35.9                 | 130.3                          | ↓                                               | 10,100                             | ↓                                      | 9,000                              | ↓                                      | 6,200                              | 175                   |
| 180                   | 33.5                 | 122.9                          |                                                 | 9,200                              |                                        | 8,200                              |                                        | 5,500                              | 180                   |
| 185                   | 30.9                 | 114.7                          |                                                 | 8,400                              |                                        | 7,400                              |                                        | 4,800                              | 185                   |
| 190                   | 28.0                 | 105.6                          |                                                 | 7,600                              |                                        | 6,700                              |                                        | 4,100                              | 190                   |
| 195                   | 24.9                 | 95.3                           |                                                 | 6,900                              |                                        | 5,900                              |                                        | 3,500                              | 195                   |
| 200                   | 21.3                 | 83.2                           |                                                 | 6,200                              |                                        | 5,300                              |                                        | 2,800                              | 200                   |
| 205                   | 17.0                 | 68.3                           |                                                 | 5,500                              |                                        | 4,600                              |                                        | 2,200                              | 205                   |
| 210                   | 11.2                 | 47.3                           |                                                 | 4,800                              |                                        | 4,000                              |                                        |                                    | 210                   |

# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top  
0 Lb. to 95,400 Lb. Crane Counterweight  
With or Without 25,000 Lb. Front Bumper Counterweight  
Rating Over Rear or 360 Degrees On Fully Retracted 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. |                                    | 95,400 Lb.<br>Crane Counterweight      |                                    | 78,400 Lb.<br>Crane Counterweight      |                                    | 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                          | ↑                                               | 107,600*                           | ↑                                      | 107,600*                           | ↑                                      | 107,600*                           | 36                    |
| 38                    | 81.6                 | 226.4                          |                                                 | 101,700*                           |                                        | 101,700*                           |                                        | 101,700*                           | 38                    |
| 40                    | 81.1                 | 226.0                          |                                                 | 96,400*                            |                                        | 96,400*                            |                                        | 96,400*                            | 40                    |
| 45                    | 79.8                 | 225.1                          |                                                 | 85,300*                            |                                        | 85,300*                            |                                        | 85,300*                            | 45                    |
| 50                    | 78.4                 | 224.1                          |                                                 | 76,600*                            |                                        | 76,600*                            |                                        | 76,600*                            | 50                    |
| 55                    | 77.1                 | 223.0                          |                                                 | 69,400*                            |                                        | 69,400*                            |                                        | 69,400*                            | 55                    |
| 60                    | 75.7                 | 221.7                          |                                                 | 63,500*                            |                                        | 63,500*                            |                                        | 63,500*                            | 60                    |
| 65                    | 74.4                 | 220.3                          |                                                 | 58,500*                            |                                        | 58,500*                            |                                        | 57,100                             | 65                    |
| 70                    | 73.0                 | 218.8                          |                                                 | 54,200*                            |                                        | 54,200*                            |                                        | 50,500                             | 70                    |
| 75                    | 71.7                 | 217.2                          |                                                 | 50,400*                            |                                        | 50,400*                            |                                        | 45,000                             | 75                    |
| 80                    | 70.3                 | 215.4                          | NOT<br>ALLOWED<br>↓                             | 47,000*                            | NOT<br>ALLOWED<br>↓                    | 47,000*                            | NOT<br>ALLOWED<br>↓                    | 40,300                             | 80                    |
| 85                    | 68.9                 | 213.4                          |                                                 | 44,100*                            |                                        | 42,600                             |                                        | 36,300                             | 85                    |
| 90                    | 67.5                 | 211.4                          |                                                 | 40,900                             |                                        | 38,700                             |                                        | 32,800                             | 90                    |
| 95                    | 66.1                 | 209.2                          |                                                 | 37,300                             |                                        | 35,200                             |                                        | 29,700                             | 95                    |
| 100                   | 64.6                 | 206.8                          |                                                 | 34,200                             |                                        | 32,200                             |                                        | 26,900                             | 100                   |
| 105                   | 63.2                 | 204.3                          |                                                 | 31,300                             |                                        | 29,400                             |                                        | 24,500                             | 105                   |
| 110                   | 61.7                 | 201.6                          |                                                 | 28,800                             |                                        | 27,000                             |                                        | 22,300                             | 110                   |
| 115                   | 60.2                 | 198.8                          |                                                 | 26,500                             |                                        | 24,800                             |                                        | 20,300                             | 115                   |
| 120                   | 58.7                 | 195.7                          |                                                 | 24,400                             |                                        | 22,800                             |                                        | 18,600                             | 120                   |
| 125                   | 57.1                 | 192.5                          |                                                 | 22,500                             |                                        | 21,000                             |                                        | 16,900                             | 125                   |
| 130                   | 55.5                 | 189.1                          | NOT<br>ALLOWED<br>↓                             | 20,800                             | NOT<br>ALLOWED<br>↓                    | 19,300                             | NOT<br>ALLOWED<br>↓                    | 15,400                             | 130                   |
| 135                   | 53.9                 | 185.5                          |                                                 | 19,200                             |                                        | 17,800                             |                                        | 14,100                             | 135                   |
| 140                   | 52.3                 | 181.6                          |                                                 | 17,700                             |                                        | 16,400                             |                                        | 12,800                             | 140                   |
| 145                   | 50.6                 | 177.6                          |                                                 | 16,400                             |                                        | 15,100                             |                                        | 11,600                             | 145                   |
| 150                   | 48.9                 | 173.2                          |                                                 | 15,100                             |                                        | 13,800                             |                                        | 10,500                             | 150                   |
| 155                   | 47.1                 | 168.6                          |                                                 | 13,900                             |                                        | 12,700                             |                                        | 9,500                              | 155                   |
| 160                   | 45.3                 | 163.7                          |                                                 | 12,800                             |                                        | 11,700                             |                                        | 8,600                              | 160                   |
| 165                   | 43.4                 | 158.5                          |                                                 | 11,800                             |                                        | 10,700                             |                                        | 7,700                              | 165                   |
| 170                   | 41.4                 | 152.9                          |                                                 | 10,800                             |                                        | 9,700                              |                                        | 6,800                              | 170                   |
| 175                   | 39.4                 | 146.9                          |                                                 | 9,900                              |                                        | 8,900                              |                                        | 6,100                              | 175                   |
| 180                   | 37.3                 | 140.4                          | NOT<br>ALLOWED<br>↓                             | 9,100                              | NOT<br>ALLOWED<br>↓                    | 8,000                              | NOT<br>ALLOWED<br>↓                    | 5,300                              | 180                   |
| 185                   | 35.0                 | 133.4                          |                                                 | 8,300                              |                                        | 7,300                              |                                        | 4,600                              | 185                   |
| 190                   | 32.7                 | 125.8                          |                                                 | 7,500                              |                                        | 6,500                              |                                        | 4,000                              | 190                   |
| 195                   | 30.1                 | 117.4                          |                                                 | 6,800                              |                                        | 5,800                              |                                        | 3,300                              | 195                   |
| 200                   | 27.4                 | 108.0                          |                                                 | 6,100                              |                                        | 5,200                              |                                        | 2,700                              | 200                   |
| 205                   | 24.3                 | 97.4                           |                                                 | 5,400                              |                                        | 4,500                              |                                        | 2,200                              | 205                   |
| 210                   | 20.8                 | 85.0                           |                                                 | 4,800                              |                                        | 3,900                              |                                        |                                    | 210                   |
| 215                   | 16.6                 | 69.7                           |                                                 | 4,200                              |                                        | 3,300                              |                                        |                                    | 215                   |
| 220                   | 10.9                 | 48.2                           |                                                 | 3,600                              |                                        | 2,700                              |                                        |                                    | 220                   |

# Liftcrane Boom Capacities

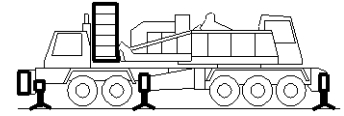
Boom No. 78T With Heavy Lift Top

0 Lb. to 95,400 Lb. Crane Counterweight

With or Without 25,000 Lb. Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Retracted 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. |                                    | 95,400 Lb.<br>Crane Counterweight      |                                    | 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 |                       |
| 38                    | 82.0                 | 236.5                          | ↑                                               | 94,800*                            | ↑                                      | 94,800*                            | 38                    |
| 40                    | 81.5                 | 236.2                          |                                                 | 92,600*                            |                                        | 92,600*                            | 40                    |
| 45                    | 80.2                 | 235.3                          |                                                 | 83,300*                            |                                        | 83,300*                            | 45                    |
| 50                    | 78.9                 | 234.3                          |                                                 | 74,700*                            |                                        | 74,700*                            | 50                    |
| 55                    | 77.7                 | 233.3                          |                                                 | 67,600*                            |                                        | 67,600*                            | 55                    |
| 60                    | 76.4                 | 232.0                          |                                                 | 61,800*                            |                                        | 61,800*                            | 60                    |
| 65                    | 75.1                 | 230.7                          |                                                 | 56,800*                            |                                        | 56,800*                            | 65                    |
| 70                    | 73.8                 | 229.3                          |                                                 | 52,500*                            |                                        | 52,500*                            | 70                    |
| 75                    | 72.5                 | 227.7                          |                                                 | 48,800*                            |                                        | 48,800*                            | 75                    |
| 80                    | 71.2                 | 226.0                          |                                                 | 45,500*                            |                                        | 45,500*                            | 80                    |
| 85                    | 69.8                 | 224.2                          | NOT<br>ALLOWED<br>↓                             | 42,600*                            | NOT<br>ALLOWED<br>↓                    | 42,200                             | 85                    |
| 90                    | 68.5                 | 222.2                          |                                                 | 40,000*                            |                                        | 38,300                             | 90                    |
| 95                    | 67.2                 | 220.1                          |                                                 | 37,000                             |                                        | 34,900                             | 95                    |
| 100                   | 65.8                 | 217.9                          |                                                 | 33,800                             |                                        | 31,800                             | 100                   |
| 105                   | 64.4                 | 215.5                          |                                                 | 30,900                             |                                        | 29,100                             | 105                   |
| 110                   | 63.0                 | 213.0                          |                                                 | 28,400                             |                                        | 26,600                             | 110                   |
| 115                   | 61.6                 | 210.3                          |                                                 | 26,100                             |                                        | 24,400                             | 115                   |
| 120                   | 60.2                 | 207.4                          |                                                 | 24,000                             |                                        | 22,400                             | 120                   |
| 125                   | 58.7                 | 204.4                          |                                                 | 22,100                             |                                        | 20,600                             | 125                   |
| 130                   | 57.2                 | 201.2                          |                                                 | 20,400                             |                                        | 18,900                             | 130                   |
| 135                   | 55.7                 | 197.8                          |                                                 | 18,800                             |                                        | 17,400                             | 135                   |
| 140                   | 54.2                 | 194.2                          |                                                 | 17,300                             |                                        | 15,900                             | 140                   |
| 145                   | 52.6                 | 190.4                          |                                                 | 15,900                             |                                        | 14,600                             | 145                   |
| 150                   | 51.0                 | 186.4                          |                                                 | 14,700                             |                                        | 13,400                             | 150                   |
| 155                   | 49.4                 | 182.2                          |                                                 | 13,500                             |                                        | 12,300                             | 155                   |
| 160                   | 47.7                 | 177.6                          |                                                 | 12,400                             |                                        | 11,200                             | 160                   |
| 165                   | 46.0                 | 172.9                          |                                                 | 11,400                             |                                        | 10,200                             | 165                   |
| 170                   | 44.2                 | 167.8                          |                                                 | 10,400                             |                                        | 9,300                              | 170                   |
| 175                   | 42.4                 | 162.4                          |                                                 | 9,500                              |                                        | 8,400                              | 175                   |
| 180                   | 40.5                 | 156.6                          |                                                 | 8,700                              |                                        | 7,600                              | 180                   |
| 185                   | 38.5                 | 150.4                          |                                                 | 7,800                              |                                        | 6,800                              | 185                   |
| 190                   | 36.4                 | 143.7                          |                                                 | 7,100                              |                                        | 6,100                              | 190                   |
| 195                   | 34.2                 | 136.5                          |                                                 | 6,400                              |                                        | 5,400                              | 195                   |
| 200                   | 31.9                 | 128.6                          |                                                 | 5,700                              |                                        | 4,800                              | 200                   |
| 205                   | 29.4                 | 120.0                          |                                                 | 5,000                              |                                        | 4,100                              | 205                   |
| 210                   | 26.7                 | 110.4                          |                                                 | 4,400                              |                                        | 3,500                              | 210                   |
| 215                   | 23.7                 | 99.5                           |                                                 | 3,800*                             |                                        | 2,900                              | 215                   |
| 220                   | 20.3                 | 86.8                           |                                                 | 3,100*                             |                                        | 2,400                              | 220                   |
| 225                   | 16.2                 | 71.1                           |                                                 | 2,300*                             |                                        |                                    | 225                   |

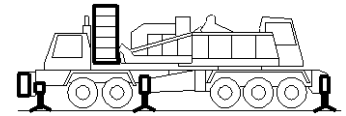
# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top

0 Lb. to 95,400 Lb. Crane Counterweight

With or Without 25,000 Lb. Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Retracted Outriggers

 Meets  
ANSI B30.5  
Requirements


## 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. |                                    | 95,400 Lb.<br>Crane Counterweight      |                                    | 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*                            | 40                    |
| 45                    | 80.6                 | 245.5                          |                                                 | 78,600*                            |                                        | 78,600*                            | 45                    |
| 50                    | 79.4                 | 244.5                          |                                                 | 73,000*                            |                                        | 73,000*                            | 50                    |
| 55                    | 78.2                 | 243.5                          |                                                 | 66,000*                            |                                        | 66,000*                            | 55                    |
| 60                    | 77.0                 | 242.4                          |                                                 | 60,200*                            |                                        | 60,200*                            | 60                    |
| 65                    | 75.7                 | 241.1                          |                                                 | 55,200*                            |                                        | 55,200*                            | 65                    |
| 70                    | 74.5                 | 239.7                          |                                                 | 51,000*                            |                                        | 51,000*                            | 70                    |
| 75                    | 73.2                 | 238.2                          |                                                 | 47,300*                            |                                        | 47,300*                            | 75                    |
| 80                    | 72.0                 | 236.6                          |                                                 | 44,000*                            |                                        | 44,000*                            | 80                    |
| 85                    | 70.7                 | 234.8                          |                                                 | 41,200*                            |                                        | 41,200*                            | 85                    |
| 90                    | 69.5                 | 233.0                          | ↓                                               | 38,600*                            | ↓                                      | 38,000                             | 90                    |
| 95                    | 68.2                 | 231.0                          |                                                 | 36,200*                            |                                        | 34,500                             | 95                    |
| 100                   | 66.9                 | 228.8                          |                                                 | 33,400                             |                                        | 31,400                             | 100                   |
| 105                   | 65.6                 | 226.6                          |                                                 | 30,600                             |                                        | 28,700                             | 105                   |
| 110                   | 64.2                 | 224.2                          |                                                 | 28,000                             |                                        | 26,200                             | 110                   |
| 115                   | 62.9                 | 221.6                          |                                                 | 25,700                             |                                        | 24,000                             | 115                   |
| 120                   | 61.5                 | 218.9                          |                                                 | 23,600                             |                                        | 22,000                             | 120                   |
| 125                   | 60.2                 | 216.1                          |                                                 | 21,700                             |                                        | 20,200                             | 125                   |
| 130                   | 58.8                 | 213.1                          |                                                 | 20,000                             |                                        | 18,500                             | 130                   |
| 135                   | 57.4                 | 209.9                          |                                                 | 18,400                             |                                        | 17,000                             | 135                   |
| 140                   | 55.9                 | 206.5                          | ↓                                               | 16,900                             | ↓                                      | 15,600                             | 140                   |
| 145                   | 54.5                 | 202.9                          |                                                 | 15,500                             |                                        | 14,200                             | 145                   |
| 150                   | 53.0                 | 199.2                          |                                                 | 14,300                             |                                        | 13,000                             | 150                   |
| 155                   | 51.4                 | 195.2                          |                                                 | 13,100                             |                                        | 11,900                             | 155                   |
| 160                   | 49.9                 | 191.1                          |                                                 | 11,900*                            |                                        | 10,800                             | 160                   |
| 165                   | 48.3                 | 186.6                          |                                                 | 10,600*                            |                                        | 9,800                              | 165                   |
| 170                   | 46.7                 | 182.0                          |                                                 | 9,500*                             |                                        | 8,900                              | 170                   |
| 175                   | 45.0                 | 177.0                          |                                                 | 8,300*                             |                                        | 8,000                              | 175                   |
| 180                   | 43.2                 | 171.7                          |                                                 | 7,300*                             |                                        | 7,200                              | 180                   |
| 185                   | 41.4                 | 166.1                          |                                                 | 6,300*                             |                                        | 6,300*                             | 185                   |
| 190                   | 39.6                 | 160.2                          | ↓                                               | 5,300*                             | ↓                                      | 5,300*                             | 190                   |
| 195                   | 37.6                 | 153.8                          |                                                 | 4,400*                             |                                        | 4,400*                             | 195                   |
| 200                   | 35.6                 | 146.9                          |                                                 | 3,500*                             |                                        | 3,500*                             | 200                   |
| 205                   | 33.5                 | 139.5                          |                                                 | 2,600*                             |                                        | 2,600*                             | 205                   |

# Liftcrane Boom Capacities

**Boom No. 78T With Heavy Lift Top**

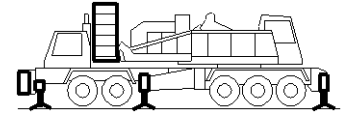
**0 Lb. to 95,400 Lb. Crane Counterweight**

**With or Without 25,000 Lb. Front Bumper Counterweight**

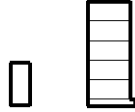
**Rating Over Rear or 360 Degrees On Fully Retracted Outriggers**

Meets  
ANSI B30.5  
Requirements

**777T**

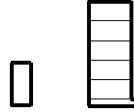


**250 Ft. Boom**



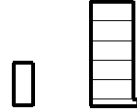
| Oper.<br>Rad.<br>Feet | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Feet | 95,400 Lb. Crane Cwt.<br>25,000 Lb. Bumper Cwt. |                                    |
|-----------------------|----------------------|--------------------------------|-------------------------------------------------|------------------------------------|
|                       |                      |                                | Boom<br>Capacity<br>360 Deg.<br>Pounds          | Boom<br>Capacity<br>Rear<br>Pounds |
| 45                    | 81.0                 | 255.6                          | ↑<br>NOT<br>ALLOWED                             | 80,600*                            |
| 50                    | 79.8                 | 254.7                          |                                                 | 71,900*                            |
| 55                    | 78.7                 | 253.7                          |                                                 | 64,900*                            |
| 60                    | 77.5                 | 252.6                          |                                                 | 59,000*                            |
| 65                    | 76.3                 | 251.4                          |                                                 | 54,100*                            |
| 70                    | 75.1                 | 250.1                          |                                                 | 49,800*                            |
| 75                    | 73.9                 | 248.7                          |                                                 | 46,200*                            |
| 80                    | 72.7                 | 247.1                          |                                                 | 42,900*                            |
| 85                    | 71.5                 | 245.4                          |                                                 | 40,000*                            |
| 90                    | 70.3                 | 243.7                          |                                                 | 37,500*                            |
| 95                    | 69.1                 | 241.7                          |                                                 | 35,100*                            |
| 100                   | 67.8                 | 239.7                          |                                                 | 32,900*                            |
| 105                   | 66.6                 | 237.6                          |                                                 | 30,100                             |
| 110                   | 65.3                 | 235.3                          |                                                 | 27,500                             |
| 115                   | 64.1                 | 232.9                          |                                                 | 25,200                             |
| 120                   | 62.8                 | 230.3                          | ↓                                               | 23,200                             |
| 125                   | 61.5                 | 227.6                          |                                                 | 21,300                             |
| 130                   | 60.2                 | 224.7                          |                                                 | 19,500                             |
| 135                   | 58.8                 | 221.7                          |                                                 | 17,900                             |
| 140                   | 57.5                 | 218.5                          |                                                 | 16,400                             |
| 145                   | 56.1                 | 215.2                          |                                                 | 15,100                             |
| 150                   | 54.7                 | 211.7                          |                                                 | 13,800                             |
| 155                   | 53.3                 | 208.0                          |                                                 | 12,600                             |
| 160                   | 51.8                 | 204.1                          |                                                 | 11,500                             |
| 165                   | 50.3                 | 199.9                          |                                                 | 10,500                             |
| 170                   | 48.8                 | 195.6                          |                                                 | 9,500                              |
| 175                   | 47.2                 | 191.0                          |                                                 | 8,600                              |
| 180                   | 45.6                 | 186.2                          |                                                 | 7,800                              |
| 185                   | 44.0                 | 181.0                          |                                                 | 7,000                              |
| 190                   | 42.3                 | 175.6                          |                                                 | 6,200                              |
| 195                   | 40.6                 | 169.8                          |                                                 | 5,500                              |
| 200                   | 38.7                 | 163.7                          |                                                 | 4,800                              |
| 205                   | 36.9                 | 157.1                          |                                                 | 4,200                              |
| 210                   | 34.9                 | 150.0                          |                                                 | 3,500                              |
| 215                   | 32.8                 | 142.4                          |                                                 | 3,000                              |
| 220                   | 30.6                 | 134.1                          |                                                 | 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                          | ↑<br>NOT<br>ALLOWED                             | 75,600*                            |
| 50                    | 80.2                 | 264.9                          |                                                 | 70,300*                            |
| 55                    | 79.1                 | 263.9                          |                                                 | 63,400*                            |
| 60                    | 78.0                 | 262.9                          |                                                 | 57,600*                            |
| 65                    | 76.9                 | 261.7                          |                                                 | 52,700*                            |
| 70                    | 75.7                 | 260.4                          |                                                 | 48,500*                            |
| 75                    | 74.6                 | 259.1                          |                                                 | 44,900*                            |
| 80                    | 73.4                 | 257.6                          |                                                 | 41,700*                            |
| 85                    | 72.3                 | 256.0                          |                                                 | 38,900*                            |
| 90                    | 71.1                 | 254.3                          |                                                 | 36,300*                            |
| 95                    | 69.9                 | 252.5                          |                                                 | 33,900*                            |
| 100                   | 68.7                 | 250.5                          |                                                 | 31,700*                            |
| 105                   | 67.6                 | 248.5                          |                                                 | 29,700*                            |
| 110                   | 66.4                 | 246.3                          |                                                 | 27,200                             |
| 115                   | 65.1                 | 244.0                          |                                                 | 24,900                             |
| 120                   | 63.9                 | 241.5                          | ↓                                               | 22,800                             |
| 125                   | 62.7                 | 239.0                          |                                                 | 20,900                             |
| 130                   | 61.4                 | 236.2                          |                                                 | 19,100                             |
| 135                   | 60.2                 | 233.4                          |                                                 | 17,500                             |
| 140                   | 58.9                 | 230.4                          |                                                 | 16,000                             |
| 145                   | 57.6                 | 227.2                          |                                                 | 14,700                             |
| 150                   | 56.2                 | 223.9                          |                                                 | 13,400                             |
| 155                   | 54.9                 | 220.4                          |                                                 | 12,200                             |
| 160                   | 53.5                 | 216.7                          |                                                 | 11,100                             |
| 165                   | 52.1                 | 212.9                          |                                                 | 10,100                             |
| 170                   | 50.7                 | 208.8                          |                                                 | 9,100                              |
| 175                   | 49.3                 | 204.5                          |                                                 | 8,200                              |
| 180                   | 47.8                 | 200.0                          |                                                 | 7,400                              |
| 185                   | 46.3                 | 195.3                          |                                                 | 6,600                              |
| 190                   | 44.7                 | 190.3                          |                                                 | 5,800                              |
| 195                   | 43.1                 | 185.0                          |                                                 | 5,100                              |
| 200                   | 41.4                 | 179.4                          |                                                 | 4,400                              |
| 205                   | 39.7                 | 173.4                          |                                                 | 3,800                              |
| 210                   | 38.0                 | 167.1                          |                                                 | 3,100                              |
| 215                   | 36.1                 | 160.3                          |                                                 | 2,600                              |
| 220                   | 34.2                 | 153.1                          |                                                 | 2,000                              |

**270 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                    | 81.7                 | 275.9                          | ↑<br>NOT<br>ALLOWED                             | 73,900*                            |
| 50                    | 80.6                 | 275.1                          |                                                 | 68,700*                            |
| 55                    | 79.5                 | 274.1                          |                                                 | 61,800*                            |
| 60                    | 78.4                 | 273.1                          |                                                 | 56,000*                            |
| 65                    | 77.3                 | 272.0                          |                                                 | 51,100*                            |
| 70                    | 76.3                 | 270.8                          |                                                 | 47,000*                            |
| 75                    | 75.2                 | 269.5                          |                                                 | 43,400*                            |
| 80                    | 74.1                 | 268.0                          |                                                 | 40,200*                            |
| 85                    | 72.9                 | 266.5                          |                                                 | 37,400*                            |
| 90                    | 71.8                 | 264.9                          |                                                 | 34,900*                            |
| 95                    | 70.7                 | 263.1                          |                                                 | 32,600*                            |
| 100                   | 69.6                 | 261.3                          |                                                 | 30,500*                            |
| 105                   | 68.4                 | 259.3                          |                                                 | 28,600*                            |
| 110                   | 67.3                 | 257.2                          |                                                 | 26,800                             |
| 115                   | 66.1                 | 255.0                          |                                                 | 24,500                             |
| 120                   | 65.0                 | 252.7                          | ↓                                               | 22,400                             |
| 125                   | 63.8                 | 250.2                          |                                                 | 20,500                             |
| 130                   | 62.6                 | 247.6                          |                                                 | 18,800                             |
| 135                   | 61.4                 | 244.9                          |                                                 | 17,100                             |
| 140                   | 60.1                 | 242.1                          |                                                 | 15,700                             |
| 145                   | 58.9                 | 239.0                          |                                                 | 14,300                             |
| 150                   | 57.7                 | 235.9                          |                                                 | 13,000                             |
| 155                   | 56.4                 | 232.6                          |                                                 | 11,900                             |
| 160                   | 55.1                 | 229.1                          |                                                 | 10,800                             |
| 165                   | 53.8                 | 225.5                          |                                                 | 9,700                              |
| 170                   | 52.4                 | 221.6                          |                                                 | 8,800                              |
| 175                   | 51.1                 | 217.6                          |                                                 | 7,900                              |
| 180                   | 49.7                 | 213.4                          |                                                 | 7,000                              |
| 185                   | 48.3                 | 209.0                          |                                                 | 6,200                              |
| 190                   | 46.8                 | 204.3                          |                                                 | 5,500                              |
| 195                   | 45.3                 | 199.4                          |                                                 | 4,700                              |
| 200                   | 43.8                 | 194.3                          |                                                 | 4,100                              |
| 205                   | 42.2                 | 188.8                          |                                                 | 3,400                              |
| 210                   | 40.6                 | 183.0                          |                                                 | 2,800                              |
| 215                   | 38.9                 | 176.9                          |                                                 | 2,200                              |