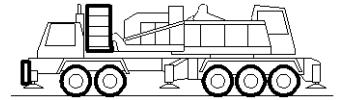




# Liftcrane Boom Capacities

**Boom No. 78T With Heavy Lift Top  
0 Lb. to 78,400 Lb. Crane Counterweight  
With 8,000 Lb. Front Bumper Counterweight Adapter  
Rating Straight Over Rear On Rubber - 1/4 MPH Travel**

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 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (\*).

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

Weight of jib, all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib point sheaves, is considered part of main boom load. Boom is not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

**OPERATING CONDITIONS:** Machine to operate in a level position on a firm uniformly supporting surface. Refer to boom rigging **No. 192043**, Wire Rope Specification chart **No. 7973-A** and Operating Range Diagram chart **No. 7974-D**. Crane operator judgment must be used to allow for dynamic load effects of hoisting or lowering, travel, wind conditions, ground conditions, condition and inflation of tires (116 PSI minimum), as well as adverse operating conditions and physical machine depreciation.

Loads lifted may increase radius due to tire deflection. This increase must be compensated for by raising boom. Refer to operators manual for operating guidelines.

**MACHINE TRAVEL:** Machine to travel (1/4 MPH) on a firm, level and uniformly supporting surface and boom within

boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 7976-A**, Maximum Allowable Traveling Weight chart **No. 7972-A** and Weight Distribution chart **No. 7975-A**.

**OPERATING RADIUS:** Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

**BOOM POINT ELEVATION:** Boom point elevation is vertical distance from ground level to centerline of boom point shaft.

**MACHINE EQUIPMENT:** Machine equipped with Manitowoc 10 x 6 carrier, 277 in. wheel base, 117 in. front axle track, 100 in. rear axle track, 14.00 x 24 tires, 96 in. front outriggers, 70 in. rear outriggers, two 12 in. boom hoist cylinders, 26 Ft. mast, two boom support straps, crane counterweight as specified and with 8,000 Lb. front bumper counterweight adapter.

**Note:** Travel not allowed with 95,400 Lb. crane counterweight without boom attached.

Swing over side on rubber not allowed with 27,400 Lb. thru 95,400 Lb. crane counterweight.

Swing over side on rubber with 0 Lb. or 10,400 Lb. crane counterweight is allowed with or without boom attached.

360 degree swing on rubber with 0 Lb. or 10,400 Lb. crane counterweight is allowed without boom attached.

Deduct From Capacities 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.

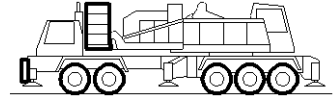
Upper Boom Point Deduct
Deduct 1,000 Lbs. from capacities when upper boom point is attached.

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 78,400 Lb. Crane Counterweight  
With 8,000 Lb. Front Bumper Counterweight Adapter  
Rating Straight Over Rear On Rubber - 1/4 MPH Travel**



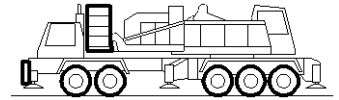
<b>Maximum Boom and Jib Lengths Lifted Unassisted On Outriggers</b>			
Over Rear of Outriggers		Over Side of Fully Extended Outriggers	
Boom Length	Jib No. 134	Boom Length	Jib No. 134
95,400 Lb. Crane Counterweight + 8,000 Lb. Front Bumper Cwt.			
240 Ft.	—	220 Ft.	—
230 Ft.	—	210 Ft.	—
220 Ft.	50 Ft.	200 Ft.	30 Ft.
210 Ft.	70 Ft.	190 Ft.	60 Ft.
200 Ft.	80 Ft.	180 Ft.	80 Ft.
78,400 Lb. Crane Counterweight + 8,000 Lb. Front Bumper Cwt.			
230 Ft.	—	200 Ft.	—
220 Ft.	—	190 Ft.	30 Ft.
210 Ft.	30 Ft.	180 Ft.	50 Ft.
200 Ft.	60 Ft.	170 Ft.	80 Ft.
190 Ft.	80 Ft.		
61,400 Lb. Crane Counterweight + 8,000 Lb. Front Bumper Cwt.			
210 Ft.	—	180 Ft.	—
200 Ft.	—	170 Ft.	40 Ft.
190 Ft.	40 Ft.	160 Ft.	60 Ft.
180 Ft.	70 Ft.	150 Ft.	80 Ft.
170 Ft.	80 Ft.		
44,400 Lb. Crane Counterweight + 8,000 Lb. Front Bumper Cwt.			
190 Ft.	—	170 Ft.	—
180 Ft.	30 Ft.	160 Ft.	—
170 Ft.	50 Ft.	150 Ft.	40 Ft.
160 Ft.	70 Ft.	140 Ft.	60 Ft.
150 Ft.	80 Ft.	130 Ft.	80 Ft.
Load block, hook and weight ball on ground at start.			

<b>Maximum Boom and Jib Lengths Lifted Unassisted On Rubber</b>		
Over Rear		Over Side
Boom Length	Jib No. 134	Boom Length
95,400 Lb. Crane Counterweight + 8,000 Lb. Front Bumper Cwt.		
<b>Not Allowed</b>		
78,400 Lb. Crane Counterweight + 8,000 Lb. Front Bumper Cwt.		
140 Ft.	—	<b>Not Allowed</b>
130 Ft.	30 Ft.	
120 Ft.	60 Ft.	
110 Ft.	80 Ft.	
61,400 Lb. Crane Counterweight + 8,000 Lb. Front Bumper Cwt.		
130 Ft.	—	<b>Not Allowed</b>
120 Ft.	—	
110 Ft.	40 Ft.	
100 Ft.	70 Ft.	
44,400 Lb. Crane Counterweight + 8,000 Lb. Front Bumper Cwt.		
110 Ft.	—	<b>Not Allowed</b>
Load block, hook and weight ball on ground at start.		

# Liftcrane Boom Capacities

**Boom No. 78T With Heavy Lift Top  
0 Lb. to 78,400 Lb. Crane Counterweight  
With 8,000 Lb. Front Bumper Counterweight Adapter  
Rating Straight Over Rear On Rubber - 1/4 MPH Travel**

Meets  
ANSI B30.5  
Requirements



Maximum Boom and Jib Lengths Lifted Unassisted On Outriggers			
Over Rear of Outriggers		Over Side of Fully Extended Outriggers	
Boom Length	Jib No. 134	Boom Length	Jib No. 134
27,400 Lb. Crane Counterweight + 8,000 Lb. Front Bumper Cwt.			
170 Ft.	—	140 Ft.	—
160 Ft.	30 Ft.	130 Ft.	40 Ft.
150 Ft.	50 Ft.	120 Ft.	70 Ft.
140 Ft.	80 Ft.	110 Ft.	80 Ft.
10,400 Lb. Crane Counterweight + 8,000 Lb. Front Bumper Cwt.			
150 Ft.	—	120 Ft.	—
140 Ft.	30 Ft.	110 Ft.	30 Ft.
130 Ft.	60 Ft.	100 Ft.	60 Ft.
120 Ft.	80 Ft.		
0 Lb. Crane Counterweight + 8,000 Lb. Front Bumper Cwt.			
140 Ft.	—	110 Ft.	—
130 Ft.	30 Ft.		
120 Ft.	50 Ft.		
110 Ft.	70 Ft.		
100 Ft.	80 Ft.		
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 + 8,000 Lb. Front Bumper Cwt.		
90 Ft.	—	<b>Not Allowed</b>
10,400 Lb. Crane Counterweight + 8,000 Lb. Front Bumper Cwt.		
70 Ft.	—	42.5 Ft.
0 Lb. Crane Counterweight + 8,000 Lb. Front Bumper Cwt.		
60 Ft.	—	<b>Not Allowed</b>
Load block, hook and weight ball on ground at start.		

Jib may remain attached as shown in raising table for raising over rear on rubber but must not be used to pick loads on rubber.

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.

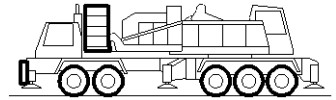


**777T**

# Liftcrane Boom Capacities

Meets  
ANSI B30.5  
Requirements

**Boom No. 78T With Heavy Lift Top**  
**0 Lb. to 78,400 Lb. Crane Counterweight**  
**With 8,000 Lb. Front Bumper Counterweight Adapter**  
**Rating Straight Over Rear On Rubber - 1/4 MPH Travel**



Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	78,400 Lb. Crane Counterweight	61,400 Lb. Crane Counterweight	44,400 Lb. Crane Counterweight	27,400 Lb. Crane Counterweight	10,400 Lb. Crane Counterweight	0 Lb. Crane Counterweight	Oper. Rad. Feet
			8,000 Lb. Bumper Cwt.	8,000 Lb. Bumper Cwt.	8,000 Lb. Bumper Cwt.	8,000 Lb. Bumper Cwt.	8,000 Lb. Bumper Cwt.	8,000 Lb. Bumper Cwt.	
			Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	
12	81.6	50.3	169,000 *	169,000 *	163,100	135,300	107,600	90,700	12
13	80.2	50.1	163,800 *	163,800 *	146,500	121,400	96,300	81,000	13
14	78.8	49.8	158,800 *	155,800	132,800	109,900	86,900	73,000	14
15	77.4	49.6	154,000 *	142,400	121,300	100,200	79,100	66,200	15
16	76.0	49.3	149,600 *	131,000	111,500	91,900	72,300	60,400	16
17	74.6	48.9	139,400	121,200	103,000	84,800	66,500	55,400	17
18	73.1	48.6	129,700	112,600	95,600	78,500	61,500	51,100	18
19	71.7	48.2	121,100	105,100	89,100	73,000	57,000	47,300	19
20	70.2	47.8	113,500	98,400	83,300	68,200	53,000	43,900	20
22	67.2	46.9	100,600	87,000	73,500	59,900	46,300	38,100	22
24	64.1	45.8	90,100	77,800	65,500	53,200	40,800	33,400	24
26	61.0	44.6	81,400	70,100	58,800	47,500	36,300	29,400	26
28	57.7	43.3	74,000	63,600	53,200	42,800	32,400	26,100	28
30	54.2	41.8	67,600	58,000	48,300	38,700	29,100	23,200	30
32	50.6	40.0	62,100	53,100	44,100	35,200	26,200	20,700	32
34	46.8	38.1	57,300	48,900	40,400	32,000	23,600	18,500	34
36	42.7	35.8	53,000	45,100	37,200	29,300	21,300	16,500	36
38	38.2	33.2	49,200	41,700	34,200	26,800	19,300	14,800	38
40	33.1	30.0	45,700	38,700	31,600	24,500	17,400	13,100	40
45	12.7	16.0	38,200	31,900	25,700	19,500	13,200	9,400	45

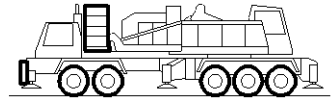


**777T**

# Liftcrane Boom Capacities

**Boom No. 78T With Heavy Lift Top  
0 Lb. to 78,400 Lb. Crane Counterweight  
With 8,000 Lb. Front Bumper Counterweight Adapter  
Rating Straight Over Rear On Rubber - 1/4 MPH Travel**

Meets  
ANSI B30.5  
Requirements



**60 Ft. Boom**



Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	78,400 Lb. Crane Counterweight	61,400 Lb. Crane Counterweight	44,400 Lb. Crane Counterweight	27,400 Lb. Crane Counterweight	10,400 Lb. Crane Counterweight	0 Lb. Crane Counterweight	Oper. Rad. Feet
			8,000 Lb. Bumper Cwt.	8,000 Lb. Bumper Cwt.	8,000 Lb. Bumper Cwt.	8,000 Lb. Bumper Cwt.	8,000 Lb. Bumper Cwt.	8,000 Lb. Bumper Cwt.	
			Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	
14	82.2	68.2	153,700 *	153,700 *	132,800	109,800	86,900	72,900	14
15	81.3	68.0	149,100 *	142,300	121,200	100,100	79,000	66,100	15
16	80.3	67.8	144,800 *	131,000	111,400	91,800	72,200	60,300	16
17	79.3	67.6	139,300	121,100	102,900	84,700	66,400	55,400	17
18	78.3	67.4	129,600	112,500	95,500	78,400	61,400	51,000	18
19	77.3	67.1	121,000	105,000	89,000	73,000	56,900	47,200	19
20	76.4	66.8	113,400	98,300	83,200	68,100	53,000	43,800	20
22	74.4	66.2	100,600	87,000	73,400	59,800	46,300	38,000	22
24	72.3	65.5	90,100	77,800	65,400	53,100	40,800	33,300	24
26	70.3	64.8	81,400	70,100	58,800	47,500	36,300	29,400	26
28	68.2	63.9	74,000	63,600	53,200	42,800	32,400	26,100	28
30	66.1	63.0	67,700	58,000	48,400	38,800	29,100	23,300	30
32	64.0	61.9	62,200	53,200	44,300	35,300	26,300	20,800	32
34	61.8	60.8	57,500	49,000	40,600	32,200	23,800	18,700	34
36	59.5	59.6	53,200	45,300	37,400	29,500	21,600	16,800	36
38	57.2	58.2	49,500	42,000	34,600	27,100	19,600	15,100	38
40	54.9	56.8	46,100	39,100	32,000	24,900	17,900	13,600	40
45	48.6	52.5	39,100	32,900	26,600	20,400	14,100	10,400	45
50	41.6	47.1	33,500	27,900	22,300	16,800	11,200	7,800	50
55	33.3	40.0	28,900	23,900	18,800	13,700	8,700	5,600	55
60	22.1	29.4	25,000	20,400	15,700	11,100	6,500	3,700	60

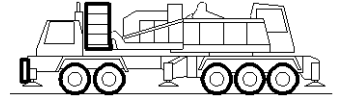


**777T**

# Liftcrane Boom Capacities

Meets  
ANSI B30.5  
Requirements

Boom No. 78T With Heavy Lift Top  
0 Lb. to 78,400 Lb. Crane Counterweight  
With 8,000 Lb. Front Bumper Counterweight Adapter  
Rating Straight Over Rear On Rubber - 1/4 MPH Travel



**70 Ft. Boom**



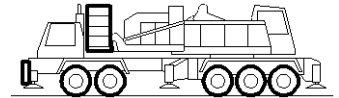
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	78,400 Lb. Crane Counterweight	61,400 Lb. Crane Counterweight	44,400 Lb. Crane Counterweight	27,400 Lb. Crane Counterweight	10,400 Lb. Crane Counterweight	Oper. Rad. Feet
			8,000 Lb. Bumper Cwt.	8,000 Lb. Bumper Cwt.	8,000 Lb. Bumper Cwt.	8,000 Lb. Bumper Cwt.	8,000 Lb. Bumper Cwt.	
			Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	
15	82.5	78.2	148,300 *	143,400	122,300	101,200	80,000	15
16	81.7	78.0	144,100 *	132,000	112,400	92,900	73,300	16
17	80.9	77.8	140,000 *	122,200	104,000	85,700	67,500	17
18	80.0	77.6	130,700	113,600	96,500	79,500	62,400	18
19	79.2	77.4	122,100	106,100	90,000	74,000	58,000	19
20	78.4	77.2	114,500	99,400	84,300	69,100	54,000	20
22	76.7	76.6	101,600	88,000	74,500	60,900	47,300	22
24	75.0	76.1	91,100	78,800	66,500	54,200	41,900	24
26	73.2	75.4	82,400	71,100	59,900	48,600	37,300	26
28	71.5	74.7	75,000	64,700	54,300	43,900	33,500	28
30	69.7	73.9	68,700	59,100	49,500	39,800	30,200	30
32	68.0	73.1	63,300	54,300	45,300	36,300	27,400	32
34	66.2	72.1	58,500	50,100	41,700	33,300	24,900	34
36	64.3	71.1	54,300	46,400	38,500	30,600	22,700	36
38	62.5	70.0	50,600	43,100	35,700	28,200	20,700	38
40	60.6	68.9	47,300	40,200	33,100	26,000	19,000	40
45	55.6	65.5	40,300	34,000	27,800	21,500	15,300	45
50	50.4	61.5	34,700	29,100	23,500	18,000	12,400	50
55	44.6	56.6	30,200	25,100	20,100	15,000	10,000	55
60	38.2	50.5	26,400	21,800	17,200	12,600	7,900	60
65	30.6	42.6	23,200	18,900	14,700	10,400	6,200	65
70	20.3	31.1	20,300	16,400	12,500	8,500	4,600	70



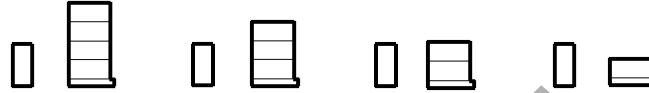
# Liftcrane Boom Capacities

**Boom No. 78T With Heavy Lift Top  
0 Lb. to 78,400 Lb. Crane Counterweight  
With 8,000 Lb. Front Bumper Counterweight Adapter  
Rating Straight Over Rear On Rubber - 1/4 MPH Travel**

Meets  
ANSI B30.5  
Requirements



## 80 Ft. Boom

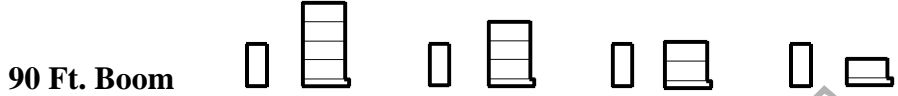
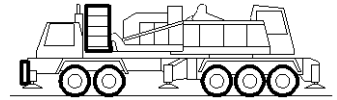


Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	78,400 Lb. Crane Counterweight	61,400 Lb. Crane Counterweight	44,400 Lb. Crane Counterweight	27,400 Lb. Crane Counterweight	Oper. Rad. Feet
			8,000 Lb. Bumper Cwt.	8,000 Lb. Bumper Cwt.	8,000 Lb. Bumper Cwt.	8,000 Lb. Bumper Cwt.	
			Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	
16	82.7	88.1	142,200 *	132,200	112,600	93,000	16
17	82.0	88.0	138,300 *	122,300	104,100	85,900	17
18	81.3	87.8	130,800	113,700	96,700	79,600	18
19	80.6	87.6	122,200	106,200	90,100	74,100	19
20	79.8	87.4	114,600	99,500	84,400	69,200	20
22	78.4	87.0	101,700	88,100	74,600	61,000	22
24	76.9	86.4	91,200	78,900	66,600	54,300	24
26	75.4	85.9	82,500	71,200	59,900	48,700	26
28	73.9	85.3	75,100	64,700	54,300	43,900	28
30	72.4	84.6	68,800	59,200	49,500	39,900	30
32	70.9	83.9	63,400	54,400	45,400	36,400	32
34	69.3	83.1	58,600	50,200	41,800	33,300	34
36	67.8	82.2	54,400	46,500	38,600	30,600	36
38	66.2	81.3	50,700	43,200	35,700	28,200	38
40	64.6	80.3	47,300	40,200	33,200	26,100	40
45	60.5	77.5	40,300	34,100	27,900	21,600	45
50	56.2	74.2	34,800	29,200	23,600	18,000	50
55	51.7	70.3	30,300	25,200	20,200	15,100	55
60	46.8	65.8	26,600	21,900	17,300	12,700	60
65	41.5	60.3	23,400	19,200	14,900	10,700	65
70	35.5	53.6	20,700	16,700	12,800	8,900	70
75	28.4	45.0	18,300	14,600	11,000	7,300	75
80	18.8	32.6	16,100	12,700	9,300	5,800	80

# Liftcrane Boom Capacities

**Boom No. 78T With Heavy Lift Top**  
**0 Lb. to 78,400 Lb. Crane Counterweight**  
**With 8,000 Lb. Front Bumper Counterweight Adapter**  
**Rating Straight Over Rear On Rubber - 1/4 MPH Travel**

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



Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	78,400 Lb. Crane Counterweight	61,400 Lb. Crane Counterweight	44,400 Lb. Crane Counterweight	27,400 Lb. Crane Counterweight	Oper. Rad. Feet
			8,000 Lb. Bumper Cwt.	8,000 Lb. Bumper Cwt.	8,000 Lb. Bumper Cwt.	8,000 Lb. Bumper Cwt.	
			Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	
17	82.9	98.1	136,600 *	122,400	104,200	86,000	17
18	82.3	97.9	130,900	113,800	96,800	79,700	18
19	81.6	97.8	122,300	106,300	90,200	74,200	19
20	81.0	97.6	114,700	99,500	84,400	69,300	20
22	79.7	97.2	101,800	88,200	74,600	61,000	22
24	78.4	96.8	91,200	78,900	66,600	54,300	24
26	77.1	96.3	82,500	71,200	60,000	48,700	26
28	75.7	95.7	75,100	64,800	54,400	44,000	28
30	74.4	95.1	68,800	59,200	49,600	39,900	30
32	73.1	94.5	63,400	54,400	45,400	36,400	32
34	71.7	93.8	58,600	50,200	41,800	33,400	34
36	70.4	93.0	54,400	46,500	38,600	30,700	36
38	69.0	92.2	50,700	43,200	35,700	28,300	38
40	67.6	91.4	47,400	40,300	33,200	26,100	40
45	64.1	89.0	40,400	34,100	27,900	21,600	45
50	60.4	86.2	34,800	29,300	23,700	18,100	50
55	56.6	82.9	30,400	25,300	20,300	15,200	55
60	52.7	79.2	26,600	22,000	17,400	12,800	60
65	48.5	74.8	23,500	19,300	15,000	10,800	65
70	43.9	69.8	20,800	16,900	12,900	9,000	70
75	39.0	63.8	18,500	14,800	11,100	7,500	75
80	33.4	56.6	16,400	13,000	9,600	6,100	80
85	26.7	47.3	14,600	11,300	8,100	4,900	85
90	17.6	34.1	12,800	9,800	6,800	3,700	90



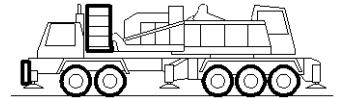


**777T**

# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top  
 0 Lb. to 78,400 Lb. Crane Counterweight  
 With 8,000 Lb. Front Bumper Counterweight Adapter  
 Rating Straight Over Rear On Rubber - 1/4 MPH Travel

Meets  
 ANSI B30.5  
 Requirements



**100 Ft. Boom**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	78,400 Lb. Crane Counterweight	61,400 Lb. Crane Counterweight	44,400 Lb. Crane Counterweight	Oper. Rad. Feet
			8,000 Lb. Bumper Cwt.	8,000 Lb. Bumper Cwt.	8,000 Lb. Bumper Cwt.	
			Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	
18	83.0	108.1	130,800	113,700	96,700	18
19	82.5	107.9	122,200	106,200	90,100	19
20	81.9	107.7	114,600	99,500	84,300	20
22	80.7	107.4	101,700	88,100	74,500	22
24	79.6	107.0	91,100	78,800	66,500	24
26	78.4	106.5	82,400	71,100	59,800	26
28	77.2	106.1	75,000	64,600	54,200	28
30	76.0	105.5	68,700	59,100	49,400	30
32	74.8	105.0	63,200	54,200	45,300	32
34	73.6	104.3	58,500	50,000	41,600	34
36	72.4	103.7	54,300	46,300	38,400	36
38	71.2	103.0	50,500	43,100	35,600	38
40	70.0	102.2	47,200	40,100	33,000	40
45	66.9	100.1	40,200	34,000	27,700	45
50	63.7	97.6	34,700	29,100	23,500	50
55	60.4	94.8	30,200	25,100	20,100	55
60	57.0	91.6	26,500	21,900	17,300	60
65	53.4	88.0	23,400	19,100	14,900	65
70	49.7	83.8	20,700	16,700	12,800	70
75	45.8	79.0	18,400	14,700	11,000	75
80	41.5	73.5	16,300	12,900	9,500	80
85	36.8	67.1	14,500	11,300	8,100	85
90	31.5	59.3	12,900	9,900	6,800	90
95	25.2	49.5	11,400	8,600	5,700	95
100	16.6	35.4	10,000	7,300	4,600	100

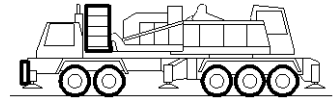


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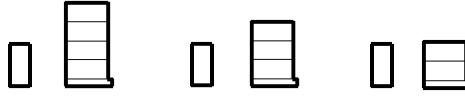
# Liftcrane Boom Capacities

**Boom No. 78T With Heavy Lift Top**  
**0 Lb. to 78,400 Lb. Crane Counterweight**  
**With 8,000 Lb. Front Bumper Counterweight Adapter**  
**Rating Straight Over Rear On Rubber - 1/4 MPH Travel**

Meets  
**ANSI B30.5**  
 Requirements



**110 Ft. Boom**

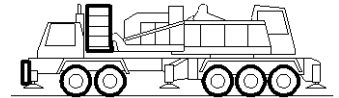


Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	78,400 Lb. Crane Counterweight	61,400 Lb. Crane Counterweight	44,400 Lb. Crane Counterweight	Oper. Rad. Feet
			8,000 Lb. Bumper Cwt.	8,000 Lb. Bumper Cwt.	8,000 Lb. Bumper Cwt.	
			Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	
20	82.6	117.9	114,500	99,400	84,300	20
22	81.6	117.5	101,600	88,000	74,400	22
24	80.5	117.2	91,100	78,700	66,400	24
26	79.5	116.8	82,300	71,000	59,800	26
28	78.4	116.3	74,900	64,500	54,100	28
30	77.3	115.9	68,600	59,000	49,300	30
32	76.2	115.4	63,100	54,200	45,200	32
34	75.2	114.8	58,400	50,000	41,500	34
36	74.1	114.2	54,200	46,300	38,300	36
38	73.0	113.6	50,400	43,000	35,500	38
40	71.9	112.9	47,100	40,000	32,900	40
45	69.1	111.0	40,100	33,900	27,600	45
50	66.3	108.8	34,600	29,000	23,400	50
55	63.3	106.3	30,100	25,100	20,000	55
60	60.4	103.5	26,400	21,800	17,200	60
65	57.3	100.3	23,300	19,000	14,800	65
70	54.1	96.7	20,600	16,700	12,700	70
75	50.7	92.7	18,300	14,600	11,000	75
80	47.2	88.2	16,300	12,900	9,400	80
85	43.5	83.0	14,500	11,300	8,100	85
90	39.4	77.1	12,900	9,900	6,800	90
95	35.0	70.2	11,500	8,600	5,700	95
100	30.0	61.9	10,200	7,400	4,700	100
105	24.0	51.6	9,000	6,400	3,800	105
110	15.8	36.7	7,800	5,300	2,900	110

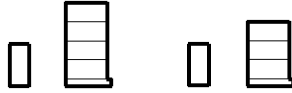
# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top  
 0 Lb. to 78,400 Lb. Crane Counterweight  
 With 8,000 Lb. Front Bumper Counterweight Adapter  
 Rating Straight Over Rear On Rubber - 1/4 MPH Travel

Meets  
 ANSI B30.5  
 Requirements

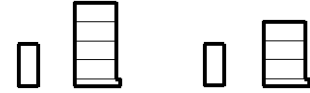


## 120 Ft. Boom



Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	78,400 Lb. Crane Counterweight	61,400 Lb. Crane Counterweight
			8,000 Lb. Bumper Cwt.	8,000 Lb. Bumper Cwt.
			Boom Capacity Pounds	Boom Capacity Pounds
22	82.3	127.7	101,800	88,200
24	81.3	127.3	91,200	78,900
26	80.3	127.0	82,500	71,200
28	79.4	126.6	75,100	64,700
30	78.4	126.1	68,800	59,100
32	77.4	125.7	63,300	54,300
34	76.4	125.2	58,500	50,100
36	75.4	124.6	54,300	46,400
38	74.4	124.0	50,600	43,100
40	73.4	123.4	47,300	40,200
45	70.9	121.7	40,300	34,000
50	68.4	119.7	34,800	29,200
55	65.7	117.5	30,300	25,200
60	63.1	115.0	26,600	22,000
65	60.3	112.2	23,500	19,200
70	57.5	109.0	20,800	16,900
75	54.6	105.5	18,500	14,800
80	51.6	101.6	16,500	13,100
85	48.4	97.2	14,700	11,500
90	45.0	92.3	13,100	10,100
95	41.5	86.8	11,700	8,900
100	37.6	80.5	10,400	7,700
105	33.4	73.1	9,300	6,700
110	28.6	64.4	8,200	5,700
115	22.9	53.5	7,200	4,800
120	15.1	38.0	6,200	4,000

## 130 Ft. Boom



Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	78,400 Lb. Crane Counterweight	61,400 Lb. Crane Counterweight
			8,000 Lb. Bumper Cwt.	8,000 Lb. Bumper Cwt.
			Boom Capacity Pounds	Boom Capacity Pounds
22	82.9	137.8	101,600	88,000
24	82.0	137.5	91,000	78,700
26	81.1	137.1	82,200	71,000
28	80.2	136.8	74,800	64,500
30	79.3	136.4	68,500	58,900
32	78.4	135.9	63,100	54,100
34	77.5	135.5	58,300	49,900
36	76.6	135.0	54,100	46,100
38	75.7	134.4	50,300	42,900
40	74.8	133.9	47,000	39,900
45	72.5	132.3	40,000	33,800
50	70.1	130.5	34,500	28,900
55	67.7	128.5	30,000	24,900
60	65.3	126.2	26,300	21,700
65	62.8	123.6	23,200	18,900
70	60.3	120.8	20,500	16,600
75	57.7	117.7	18,200	14,600
80	55.0	114.2	16,200	12,800
85	52.2	110.4	14,400	11,200
90	49.4	106.2	12,900	9,800
95	46.3	101.5	11,500	8,600
100	43.1	96.2	10,200	7,500
105	39.7	90.3	9,000	6,400
110	36.1	83.7	8,000	5,500
115	32.0	76.0	7,000	4,600
120	27.4	66.8	6,100	3,800
125	21.9	55.4	5,200	3,100
130	14.4	39.1	4,400	2,300

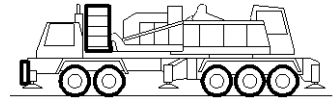


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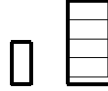
# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top  
 0 Lb. to 78,400 Lb. Crane Counterweight  
 With 8,000 Lb. Front Bumper Counterweight Adapter  
 Rating Straight Over Rear On Rubber - 1/4 MPH Travel

Meets  
 ANSI B30.5  
 Requirements



## 140 Ft. Boom



Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	78,400 Lb. Crane Counterweight
			8,000 Lb. Bumper Cwt.
			Boom Capacity Pounds
24	82.6	147.6	90,800
26	81.7	147.3	82,000
28	80.9	146.9	74,600
30	80.1	146.6	68,300
32	79.2	146.2	62,800
34	78.4	145.7	58,000
36	77.6	145.3	53,800
38	76.7	144.8	50,100
40	75.9	144.3	46,700
45	73.7	142.8	39,700
50	71.6	141.2	34,200
55	69.4	139.3	29,700
60	67.2	137.2	26,000
65	64.9	134.9	22,900
70	62.6	132.3	20,200
75	60.3	129.5	17,900
80	57.9	126.4	15,900
85	55.4	122.9	14,200
90	52.8	119.2	12,600
95	50.2	115.1	11,200
100	47.4	110.5	9,900
105	44.5	105.5	8,800
110	41.5	100.0	7,800
115	38.2	93.8	6,800
120	34.7	86.8	5,900
125	30.8	78.7	5,100
130	26.4	69.1	4,300
135	21.1	57.2	3,600
140	13.9	40.3	2,900