



# Liftcrane Boom Capacities

**Boom No. 78T With Heavy Lift Top  
0 Lb. to 44,400 Lb. Crane Counterweight  
With 25,000 Lb. Front Bumper Counterweight  
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 25,000 Lb. front bumper counterweight.

**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.

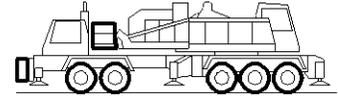


**777T**

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Meets  
ANSI B30.5  
Requirements

**Boom No. 78T With Heavy Lift Top  
0 Lb. to 44,400 Lb. Crane Counterweight  
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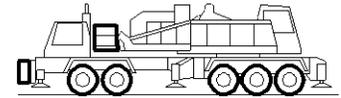
Maximum Boom and Jib Lengths Lifted Unassisted On Outriggers			
Over Rear of Outriggers		Over Side of Fully Extended Outriggers	
Boom Length	Jib No. 134	Boom Length	Jib No. 134
95,400 Lb. Crane Counterweight + 25,000 Lb. Front Bumper Cwt.			
(a) 270 Ft.	—	220 Ft.	—
(b) 260 Ft.	—	210 Ft.	—
250 Ft.	—	200 Ft.	30 Ft.
240 Ft.	30 Ft.	190 Ft.	60 Ft.
230 Ft.	50 Ft.	180 Ft.	80 Ft.
220 Ft.	80 Ft.		
78,400 Lb. Crane Counterweight + 25,000 Lb. Front Bumper Cwt.			
250 Ft.	—	210 Ft.	—
240 Ft.	—	200 Ft.	—
230 Ft.	40 Ft.	190 Ft.	40 Ft.
220 Ft.	60 Ft.	180 Ft.	70 Ft.
210 Ft.	80 Ft.	170 Ft.	80 Ft.
61,400 Lb. Crane Counterweight + 25,000 Lb. Front Bumper Cwt.			
230 Ft.	—	190 Ft.	—
220 Ft.	30 Ft.	180 Ft.	30 Ft.
210 Ft.	50 Ft.	170 Ft.	50 Ft.
200 Ft.	70 Ft.	160 Ft.	70 Ft.
190 Ft.	80 Ft.	150 Ft.	80 Ft.
44,400 Lb. Crane Counterweight + 25,000 Lb. Front Bumper Cwt.			
220 Ft.	—	170 Ft.	—
210 Ft.	—	160 Ft.	30 Ft.
200 Ft.	30 Ft.	150 Ft.	50 Ft.
190 Ft.	60 Ft.	140 Ft.	80 Ft.
180 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.			

Maximum Boom and Jib Lengths Lifted Unassisted On Rubber		
Over Rear		Over Side
Boom Length	Jib No. 134	Boom Length
95,400 Lb. Crane Counterweight + 25,000 Lb. Front Bumper Cwt.		
<b>Not Allowed</b>		
78,400 Lb. Crane Counterweight + 25,000 Lb. Front Bumper Cwt.		
<b>Not Allowed</b>		
61,400 Lb. Crane Counterweight + 25,000 Lb. Front Bumper Cwt.		
<b>Not Allowed</b>		
44,400 Lb. Crane Counterweight + 25,000 Lb. Front Bumper Cwt.		
140 Ft.	—	<b>Not Allowed</b>
130 Ft.	—	
120 Ft.	50 Ft.	
110 Ft.	60 Ft.	
100 Ft.	80 Ft.	
Load block, hook and weight ball on ground at start.		

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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 + 25,000 Lb. Front Bumper Cwt.			
200 Ft.	—	150 Ft.	—
190 Ft.	—	140 Ft.	30 Ft.
180 Ft.	50 Ft.	130 Ft.	60 Ft.
170 Ft.	70 Ft.	120 Ft.	80 Ft.
160 Ft.	80 Ft.		
10,400 Lb. Crane Counterweight + 25,000 Lb. Front Bumper Cwt.			
180 Ft.	—	130 Ft.	—
170 Ft.	30 Ft.	120 Ft.	30 Ft.
160 Ft.	50 Ft.	110 Ft.	50 Ft.
150 Ft.	70 Ft.	100 Ft.	80 Ft.
140 Ft.	80 Ft.		
0 Lb. Crane Counterweight + 25,000 Lb. Front Bumper Cwt.			
170 Ft.	—	120 Ft.	—
160 Ft.	—	110 Ft.	—
150 Ft.	50 Ft.	100 Ft.	40 Ft.
140 Ft.	70 Ft.		
130 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 + 25,000 Lb. Front Bumper Cwt.		
120 Ft.	—	<b>Not Allowed</b>
110 Ft.	30 Ft.	
100 Ft.	50 Ft.	
10,400 Lb. Crane Counterweight + 25,000 Lb. Front Bumper Cwt.		
100 Ft.	—	42.5 Ft.
0 Lb. Crane Counterweight + 25,000 Lb. Front Bumper Cwt.		
90 Ft.	—	42.5 Ft.
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.

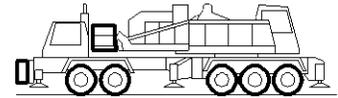


**777T**

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**0 Lb. to 44,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**  
**Rating Straight Over Rear On Rubber - 1/4 MPH Travel**

Meets  
**ANSI B30.5**  
 Requirements



**42.5 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	
			25,000 Lb. Bumper Cwt.	25,000 Lb. Bumper Cwt.	25,000 Lb. Bumper Cwt.	25,000 Lb. Bumper Cwt.		
			Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds		
12	81.6	50.3	177,100 *	177,100 *	153,100	136,200	12	
13	80.2	50.1	171,600 *	162,600	137,500	122,200	13	
14	78.8	49.8	166,400 *	147,500	124,600	110,600	14	
15	77.4	49.6	155,900	134,800	113,700	100,800	15	
16	76.0	49.3	143,600	124,000	104,400	92,500	16	
17	74.6	48.9	132,900	114,600	96,400	85,300	17	
18	73.1	48.6	123,500	106,500	89,400	79,100	18	
19	71.7	48.2	115,300	99,300	83,300	73,500	19	
20	70.2	47.8	108,100	92,900	77,800	68,600	20	
22	67.2	46.9	95,700	82,200	68,600	60,300	22	
24	64.1	45.8	85,700	73,300	61,000	53,500	24	
26	61.0	44.6	77,300	66,000	54,700	47,900	26	
28	57.7	43.3	70,200	59,800	49,400	43,100	28	
30	54.2	41.8	64,100	54,500	44,900	39,000	30	
32	50.6	40.0	58,900	49,900	40,900	35,400	32	
34	46.8	38.1	54,200	45,800	37,400	32,300	34	
36	42.7	35.8	50,100	42,200	34,300	29,500	36	
38	38.2	33.2	46,500	39,000	31,500	27,000	38	
40	33.1	30.0	43,200	36,100	29,000	24,700	40	
45	12.7	16.0	35,900	29,700	23,500	19,700	45	

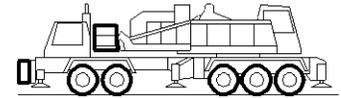


**777T**

# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top  
 0 Lb. to 44,400 Lb. Crane Counterweight  
 With 25,000 Lb. Front Bumper Counterweight  
 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	44,400 Lb. Crane Counterweight	27,400 Lb. Crane Counterweight	10,400 Lb. Crane Counterweight	0 Lb. Crane Counterweight	Oper. Rad. Feet
			25,000 Lb. Bumper Cwt.	25,000 Lb. Bumper Cwt.	25,000 Lb. Bumper Cwt.	25,000 Lb. Bumper Cwt.	
			Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	
14	82.2	68.2	161,200 *	147,400	124,500	110,500	14
15	81.3	68.0	155,900	134,700	113,600	100,800	15
16	80.3	67.8	143,500	123,900	104,300	92,400	16
17	79.3	67.6	132,800	114,500	96,300	85,200	17
18	78.3	67.4	123,500	106,400	89,300	79,000	18
19	77.3	67.1	115,300	99,200	83,200	73,400	19
20	76.4	66.8	108,000	92,900	77,800	68,600	20
22	74.4	66.2	95,700	82,100	68,500	60,300	22
24	72.3	65.5	85,600	73,300	61,000	53,500	24
26	70.3	64.8	77,300	66,000	54,700	47,900	26
28	68.2	63.9	70,200	59,800	49,500	43,100	28
30	66.1	63.0	64,200	54,600	44,900	39,100	30
32	64.0	61.9	59,000	50,000	41,000	35,600	32
34	61.8	60.8	54,400	46,000	37,600	32,500	34
36	59.5	59.6	50,400	42,500	34,600	29,700	36
38	57.2	58.2	46,800	39,300	31,900	27,300	38
40	54.9	56.8	43,600	36,500	29,500	25,200	40
45	48.6	52.5	36,900	30,600	24,400	20,600	45
50	41.6	47.1	31,500	25,900	20,300	16,900	50
55	33.3	40.0	27,100	22,000	17,000	13,900	55
60	22.1	29.4	23,300	18,700	14,100	11,300	60

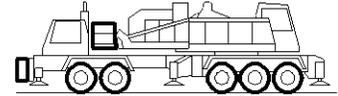


**777T**

# Liftcrane Boom Capacities

Meets  
ANSI B30.5  
Requirements

Boom No. 78T With Heavy Lift Top  
0 Lb. to 44,400 Lb. Crane Counterweight  
With 25,000 Lb. Front Bumper Counterweight  
Rating Straight Over Rear On Rubber - 1/4 MPH Travel



**70 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
			25,000 Lb. Bumper Cwt.	25,000 Lb. Bumper Cwt.	25,000 Lb. Bumper Cwt.	25,000 Lb. Bumper Cwt.	
			Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	
15	82.5	78.2	155,600 *	135,800	114,700	101,800	15
16	81.7	78.0	144,500	125,000	105,400	93,500	16
17	80.9	77.8	133,800	115,600	97,400	86,300	17
18	80.0	77.6	124,500	107,400	90,400	80,000	18
19	79.2	77.4	116,300	100,300	84,200	74,500	19
20	78.4	77.2	109,000	93,900	78,800	69,600	20
22	76.7	76.6	96,700	83,100	69,600	61,300	22
24	75.0	76.1	86,700	74,400	62,000	54,600	24
26	73.2	75.4	78,300	67,100	55,800	48,900	26
28	71.5	74.7	71,300	60,900	50,500	44,200	28
30	69.7	73.9	65,300	55,600	46,000	40,100	30
32	68.0	73.1	60,100	51,100	42,100	36,600	32
34	66.2	72.1	55,500	47,100	38,700	33,500	34
36	64.3	71.1	51,500	43,600	35,600	30,800	36
38	62.5	70.0	47,900	40,400	33,000	28,400	38
40	60.6	68.9	44,700	37,600	30,600	26,300	40
45	55.6	65.5	38,000	31,800	25,500	21,700	45
50	50.4	61.5	32,700	27,100	21,500	18,100	50
55	44.6	56.6	28,400	23,300	18,300	15,200	55
60	38.2	50.5	24,700	20,100	15,500	12,700	60
65	30.6	42.6	21,600	17,400	13,200	10,600	65
70	20.3	31.1	18,900	15,000	11,000	8,700	70

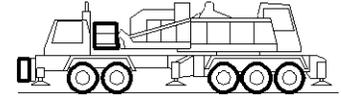


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# Liftcrane Boom Capacities

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**0 Lb. to 44,400 Lb. Crane Counterweight**  
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**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	44,400 Lb. Crane Counterweight	27,400 Lb. Crane Counterweight	10,400 Lb. Crane Counterweight	0 Lb. Crane Counterweight	Oper. Rad. Feet
			25,000 Lb. Bumper Cwt.	25,000 Lb. Bumper Cwt.	25,000 Lb. Bumper Cwt.	25,000 Lb. Bumper Cwt.	
			Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	
16	82.7	88.1	144,700	125,100	105,500	93,600	16
17	82.0	88.0	134,000	115,700	97,500	86,400	17
18	81.3	87.8	124,600	107,600	90,500	80,100	18
19	80.6	87.6	116,400	100,400	84,400	74,600	19
20	79.8	87.4	109,100	94,000	78,900	69,700	20
22	78.4	87.0	96,800	83,200	69,700	61,400	22
24	76.9	86.4	86,800	74,400	62,100	54,600	24
26	75.4	85.9	78,400	67,100	55,900	49,000	26
28	73.9	85.3	71,400	61,000	50,600	44,300	28
30	72.4	84.6	65,300	55,700	46,100	40,200	30
32	70.9	83.9	60,100	51,100	42,100	36,700	32
34	69.3	83.1	55,600	47,100	38,700	33,600	34
36	67.8	82.2	51,500	43,600	35,700	30,900	36
38	66.2	81.3	48,000	40,500	33,000	28,500	38
40	64.6	80.3	44,800	37,700	30,600	26,300	40
45	60.5	77.5	38,100	31,800	25,600	21,800	45
50	56.2	74.2	32,800	27,200	21,600	18,200	50
55	51.7	70.3	28,500	23,400	18,400	15,300	55
60	46.8	65.8	24,900	20,300	15,700	12,900	60
65	41.5	60.3	21,900	17,600	13,400	10,800	65
70	35.5	53.6	19,300	15,300	11,400	9,000	70
75	28.4	45.0	17,000	13,300	9,600	7,400	75
80	18.8	32.6	14,900	11,400	8,000	5,900	80

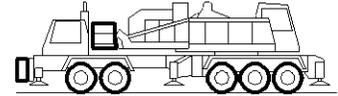


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**0 Lb. to 44,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**  
**Rating Straight Over Rear On Rubber - 1/4 MPH Travel**

Meets  
**ANSI B30.5**  
 Requirements



**90 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
			25,000 Lb. Bumper Cwt.	25,000 Lb. Bumper Cwt.	25,000 Lb. Bumper Cwt.	25,000 Lb. Bumper Cwt.	
			Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	
17	82.9	98.1	134,100	115,800	97,600	86,500	17
18	82.3	97.9	124,700	107,700	90,600	80,200	18
19	81.6	97.8	116,500	100,500	84,400	74,700	19
20	81.0	97.6	109,200	94,100	79,000	69,800	20
22	79.7	97.2	96,900	83,300	69,700	61,500	22
24	78.4	96.8	86,800	74,500	62,200	54,700	24
26	77.1	96.3	78,500	67,200	55,900	49,100	26
28	75.7	95.7	71,400	61,000	50,600	44,300	28
30	74.4	95.1	65,400	55,700	46,100	40,200	30
32	73.1	94.5	60,100	51,200	42,200	36,700	32
34	71.7	93.8	55,600	47,200	38,800	33,600	34
36	70.4	93.0	51,600	43,600	35,700	30,900	36
38	69.0	92.2	48,000	40,500	33,100	28,500	38
40	67.6	91.4	44,800	37,700	30,700	26,400	40
45	64.1	89.0	38,100	31,900	25,600	21,800	45
50	60.4	86.2	32,800	27,200	21,700	18,300	50
55	56.6	82.9	28,500	23,500	18,400	15,400	55
60	52.7	79.2	25,000	20,400	15,700	12,900	60
65	48.5	74.8	22,000	17,700	13,500	10,900	65
70	43.9	69.8	19,400	15,500	11,500	9,100	70
75	39.0	63.8	17,100	13,500	9,800	7,600	75
80	33.4	56.6	15,200	11,700	8,300	6,200	80
85	26.7	47.3	13,400	10,200	7,000	5,000	85
90	17.6	34.1	11,700	8,700	5,700	3,800	90

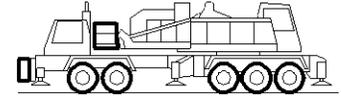


**777T**

# Liftcrane Boom Capacities

Boom No. 78T With Heavy Lift Top  
 0 Lb. to 44,400 Lb. Crane Counterweight  
 With 25,000 Lb. Front Bumper Counterweight  
 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	44,400 Lb. Crane Counterweight	27,400 Lb. Crane Counterweight	10,400 Lb. Crane Counterweight	Oper. Rad. Feet
			25,000 Lb. Bumper Cwt.	25,000 Lb. Bumper Cwt.	25,000 Lb. Bumper Cwt.	
			Boom Capacity Pounds	Boom Capacity Pounds	Boom Capacity Pounds	
18	83.0	108.1	124,600	107,600	90,500	18
19	82.5	107.9	116,400	100,400	84,400	19
20	81.9	107.7	109,100	94,000	78,900	20
22	80.7	107.4	96,800	83,200	69,600	22
24	79.6	107.0	86,700	74,400	62,100	24
26	78.4	106.5	78,300	67,000	55,800	26
28	77.2	106.1	71,300	60,900	50,500	28
30	76.0	105.5	65,200	55,600	45,900	30
32	74.8	105.0	60,000	51,000	42,000	32
34	73.6	104.3	55,400	47,000	38,600	34
36	72.4	103.7	51,400	43,500	35,600	36
38	71.2	103.0	47,800	40,400	32,900	38
40	70.0	102.2	44,600	37,600	30,500	40
45	66.9	100.1	38,000	31,700	25,500	45
50	63.7	97.6	32,700	27,100	21,500	50
55	60.4	94.8	28,400	23,300	18,300	55
60	57.0	91.6	24,800	20,200	15,600	60
65	53.4	88.0	21,800	17,600	13,300	65
70	49.7	83.8	19,300	15,300	11,400	70
75	45.8	79.0	17,000	13,400	9,700	75
80	41.5	73.5	15,100	11,700	8,200	80
85	36.8	67.1	13,400	10,100	6,900	85
90	31.5	59.3	11,800	8,800	5,700	90
95	25.2	49.5	10,400	7,500	4,600	95
100	16.6	35.4	9,100	6,300	3,600	100

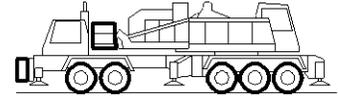


**777T**

# Liftcrane Boom Capacities

**Boom No. 78T With Heavy Lift Top**  
**0 Lb. to 44,400 Lb. Crane Counterweight**  
**With 25,000 Lb. Front Bumper Counterweight**  
**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	44,400 Lb. Crane Counterweight	27,400 Lb. Crane Counterweight
			25,000 Lb. Bumper Cwt.	25,000 Lb. Bumper Cwt.
			Boom Capacity Pounds	Boom Capacity Pounds
20	82.6	117.9	109,100	94,000
22	81.6	117.5	96,700	83,100
24	80.5	117.2	86,600	74,300
26	79.5	116.8	78,200	67,000
28	78.4	116.3	71,200	60,800
30	77.3	115.9	65,100	55,500
32	76.2	115.4	59,900	50,900
34	75.2	114.8	55,300	46,900
36	74.1	114.2	51,300	43,400
38	73.0	113.6	47,700	40,300
40	71.9	112.9	44,500	37,500
45	69.1	111.0	37,900	31,600
50	66.3	108.8	32,600	27,000
55	63.3	106.3	28,300	23,200
60	60.4	103.5	24,700	20,100
65	57.3	100.3	21,700	17,500
70	54.1	96.7	19,200	15,300
75	50.7	92.7	17,000	13,300
80	47.2	88.2	15,000	11,600
85	43.5	83.0	13,300	10,100
90	39.4	77.1	11,800	8,800
95	35.0	70.2	10,400	7,600
100	30.0	61.9	9,200	6,500
105	24.0	51.6	8,000	5,400
110	15.8	36.7	6,900	4,400

## 120 Ft. Boom



Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	44,400 Lb. Crane Counterweight	27,400 Lb. Crane Counterweight
			25,000 Lb. Bumper Cwt.	25,000 Lb. Bumper Cwt.
			Boom Capacity Pounds	Boom Capacity Pounds
22	82.3	127.7	96,900	83,300
24	81.3	127.3	86,800	74,500
26	80.3	127.0	78,400	67,100
28	79.4	126.6	71,400	61,000
30	78.4	126.1	65,300	55,700
32	77.4	125.7	60,100	51,100
34	76.4	125.2	55,500	47,100
36	75.4	124.6	51,500	43,600
38	74.4	124.0	47,900	40,400
40	73.4	123.4	44,700	37,600
45	70.9	121.7	38,000	31,800
50	68.4	119.7	32,800	27,200
55	65.7	117.5	28,500	23,400
60	63.1	115.0	24,900	20,300
65	60.3	112.2	21,900	17,700
70	57.5	109.0	19,400	15,500
75	54.6	105.5	17,200	13,500
80	51.6	101.6	15,300	11,800
85	48.4	97.2	13,600	10,300
90	45.0	92.3	12,100	9,000
95	41.5	86.8	10,700	7,800
100	37.6	80.5	9,500	6,700
105	33.4	73.1	8,300	5,800
110	28.6	64.4	7,300	4,800
115	22.9	53.5	6,300	4,000
120	15.1	38.0	5,400	3,200

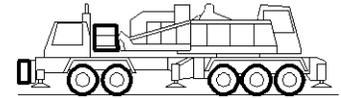


**777T**

# Liftcrane Boom Capacities

**Boom No. 78T With Heavy Lift Top  
0 Lb. to 44,400 Lb. Crane Counterweight  
With 25,000 Lb. Front Bumper Counterweight  
Rating Straight Over Rear On Rubber - 1/4 MPH Travel**

**Meets  
ANSI B30.5  
Requirements**



**130 Ft. Boom**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	44,400 Lb. Crane Counterweight
			25,000 Lb. Bumper Cwt.
			Boom Capacity Pounds
22	82.9	137.8	96,700
24	82.0	137.5	86,600
26	81.1	137.1	78,200
28	80.2	136.8	71,100
30	79.3	136.4	65,000
32	78.4	135.9	59,800
34	77.5	135.5	55,200
36	76.6	135.0	51,200
38	75.7	134.4	47,600
40	74.8	133.9	44,400
45	72.5	132.3	37,700
50	70.1	130.5	32,500
55	67.7	128.5	28,200
60	65.3	126.2	24,600
65	62.8	123.6	21,600
70	60.3	120.8	19,100
75	57.7	117.7	16,900
80	55.0	114.2	15,000
85	52.2	110.4	13,300
90	49.4	106.2	11,800
95	46.3	101.5	10,400
100	43.1	96.2	9,200
105	39.7	90.3	8,100
110	36.1	83.7	7,100
115	32.0	76.0	6,200
120	27.4	66.8	5,300
125	21.9	55.4	4,500
130	14.4	39.1	3,700

**140 Ft. Boom**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	44,400 Lb. Crane Counterweight
			25,000 Lb. Bumper Cwt.
			Boom Capacity Pounds
24	82.6	147.6	86,300
26	81.7	147.3	77,900
28	80.9	146.9	70,900
30	80.1	146.6	64,800
32	79.2	146.2	59,600
34	78.4	145.7	55,000
36	77.6	145.3	51,000
38	76.7	144.8	47,400
40	75.9	144.3	44,200
45	73.7	142.8	37,500
50	71.6	141.2	32,200
55	69.4	139.3	27,900
60	67.2	137.2	24,400
65	64.9	134.9	21,400
70	62.6	132.3	18,800
75	60.3	129.5	16,600
80	57.9	126.4	14,700
85	55.4	122.9	13,000
90	52.8	119.2	11,500
95	50.2	115.1	10,200
100	47.4	110.5	9,000
105	44.5	105.5	7,900
110	41.5	100.0	6,900
115	38.2	93.8	5,900
120	34.7	86.8	5,100
125	30.8	78.7	4,300
130	26.4	69.1	3,600
135	21.1	57.2	2,900
140	13.9	40.3	2,200