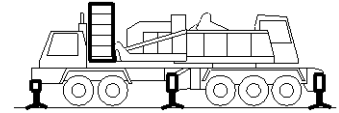


Liftcrane Boom Capacities

**Boom No. 78T With Long Reach Top
0 Lb. to 95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
Rating Over Rear or 360 Degrees On Fully Extended Outriggers**

Meets
ANSI B30.5
Requirements



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

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

OPERATING CONDITIONS: Machine to operate in a level position on a firm uniformly supporting surface with outriggers fully extended (22 Ft. 8 in.) and set. Refer to operators manual for outrigger positioning. Radii less than 32 Ft. not recommended when lifting over front of truck. Minimum boom angle over truck cab is 24 degrees.

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

Refer to boom rigging **No. 192093**, Wire Rope Specification chart **No. 8104-A** and Operating Range Diagram chart **No. 7974-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, wind

conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

MACHINE TRAVEL: Machine to travel with outrigger jacks retracted on a firm, level and uniformly supporting surface with boom within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8102-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 without front bumper counterweight.

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.

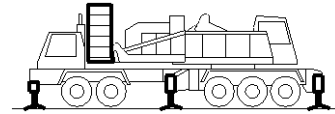
Auxiliary Drum Deduct

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

Liftcrane Boom Capacities

Boom No. 78T With Long Reach Top
0 Lb. to 95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
Rating Over Rear or 360 Degrees On Fully Extended Outriggers

 Meets
ANSI B30.5
Requirements

777T


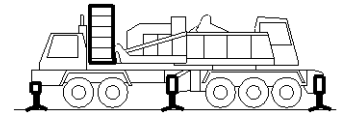
Maximum Boom and Jib Lengths Lifted Unassisted On Outriggers			
Over Rear of Outriggers		Over Side of Fully Extended Outriggers	
Boom Length	Jib No. 134	Boom Length	Jib No. 134
95,400 Lb. Crane Counterweight			
258 Ft.	—	248 Ft.	—
248 Ft.	—	238 Ft.	—
238 Ft.	—	228 Ft.	—
228 Ft.	50 Ft.	218 Ft.	40 Ft.
218 Ft.	70 Ft.	208 Ft.	60 Ft.
208 Ft.	80 Ft.	198 Ft.	80 Ft.
78,400 Lb. Crane Counterweight			
238 Ft.	—	228 Ft.	—
228 Ft.	—	218 Ft.	—
218 Ft.	30 Ft.	208 Ft.	—
208 Ft.	50 Ft.	198 Ft.	40 Ft.
198 Ft.	80 Ft.	188 Ft.	60 Ft.
		178 Ft.	80 Ft.
61,400 Lb. Crane Counterweight			
218 Ft.	—	208 Ft.	—
208 Ft.	—	198 Ft.	—
198 Ft.	40 Ft.	188 Ft.	—
188 Ft.	60 Ft.	178 Ft.	50 Ft.
178 Ft.	80 Ft.	168 Ft.	70 Ft.
		158 Ft.	80 Ft.
Load block, hook and weight ball on ground at start.			

Maximum Boom Lengths Lifted Unassisted On Outriggers	
Over Rear of Outriggers	Over Side of Fully Extended Outriggers
Boom Length	Boom Length
44,400 Lb. Crane Counterweight	
208 Ft.	188 Ft.
27,400 Lb. Crane Counterweight	
188 Ft.	168 Ft.
10,400 Lb. Crane Counterweight	
158 Ft.	148 Ft.
0 Lb. Crane Counterweight	
148 Ft.	Not Allowed
Load block, hook and weight ball on ground at start.	

Liftcrane Boom Capacities

Boom No. 78T With Long Reach Top
0 Lb. to 95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements



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		
168 Ft.	—	Not Allowed
158 Ft.	—	
148 Ft.	40 Ft.	
138 Ft.	60 Ft.	
78,400 Lb. Crane Counterweight		
158 Ft.	—	Not Allowed
148 Ft.	—	
138 Ft.	30 Ft.	
61,400 Lb. Crane Counterweight		
138 Ft.	—	Not Allowed
44,400 Lb. Crane Counterweight		
Not Allowed		
27,400 Lb. Crane Counterweight		
Not Allowed		
10,400 Lb. Crane Counterweight		
Not Allowed		
0 Lb. Crane Counterweight		
Not Allowed		
Load block, hook and weight ball on ground at start.		

Consult jib chart for jib capacities.

Refer to chart **No. 8083-A** or **-B** (0 or 25,000 Lb. front bumper counterweight [FBC]) for fully extended outrigger boom capacities and chart **No. 8098-A** or **-B** (0 or 25,000 Lb. FBC) for straight over rear on rubber boom capacities.

Liftcrane Boom Capacities

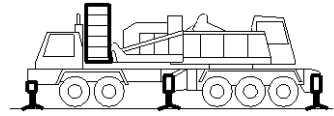
Boom No. 78T With Long Reach Top
0 Lb. to 95,400 Lb. Crane Counterweight

Without Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements

777T



138 Ft. Boom

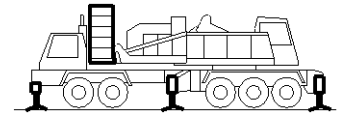


Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	95,400 Lb. Crane Counterweight		78,400 Lb. Crane Counterweight		61,400 Lb. Crane Counterweight		44,400 Lb. Crane Counterweight		Oper. Rad. Feet
			Boom Capacity 360 Deg. Pounds	Boom Capacity Rear Pounds	Boom Capacity 360 Deg. Pounds	Boom Capacity Rear Pounds	Boom Capacity 360 Deg. Pounds	Boom Capacity Rear Pounds	Boom Capacity 360 Deg. Pounds	Boom Capacity Rear Pounds	
24	81.5	145.6	146,200*	146,200*	146,200*	146,200*	146,200*	146,200*	146,200*	146,200*	24
26	80.6	145.2	140,700*	140,700*	140,700*	140,700*	140,700*	140,700*	140,700*	140,700*	26
28	79.8	144.9	135,500*	135,500*	135,500*	135,500*	135,500*	135,500*	135,500*	135,500*	28
30	78.9	144.5	130,600*	130,600*	130,600*	130,600*	130,600*	130,600*	130,600*	130,600*	30
32	78.1	144.1	125,900*	125,900*	125,900*	125,900*	125,900*	125,900*	116,700	125,900*	32
34	77.2	143.7	121,500*	121,500*	121,500*	121,500*	121,500*	121,500*	105,400	120,500*	34
36	76.4	143.2	117,300*	117,300*	117,300*	117,300*	113,300	117,300*	95,900	112,900*	36
38	75.5	142.7	113,300*	113,300*	113,300*	113,300*	104,000	113,300*	87,800	103,900	38
40	74.7	142.2	109,500*	109,500*	109,500*	109,500*	95,900	107,100*	80,900	95,800	40
45	72.5	140.7	100,800*	100,800*	92,700	99,700*	79,900	92,700	67,200	79,800	45
50	70.3	139.0	90,300	93,000*	79,200	88,300*	68,100	79,100	57,000	67,900	50
55	68.1	137.1	78,700	84,100*	68,800	78,600	59,000	68,700	49,100	58,800	55
60	65.8	135.0	69,400	76,000*	60,500	69,300	51,700	60,400	42,900	51,500	60
65	63.5	132.6	61,800	69,200*	53,800	61,700	45,800	53,700	37,800	45,600	65
70	61.2	130.0	55,500	62,900	48,200	55,500	40,900	48,100	33,500	40,700	70
75	58.8	127.1	50,200	57,000	43,500	50,200	36,700	43,300	30,000	36,500	75
80	56.3	123.9	45,700	51,900	39,500	45,600	33,200	39,300	26,900	33,000	80
85	53.8	120.4	41,800	47,600	36,000	41,700	30,100	35,800	24,300	29,900	85
90	51.2	116.6	38,400	43,800	32,900	38,300	27,500	32,800	22,000	27,300	90
95	48.5	112.4	35,400	40,400	30,200	35,300	25,100	30,100	19,900	24,900	95
100	45.6	107.7	32,700	37,500	27,800	32,600	23,000	27,700	18,100	22,800	100
105	42.6	102.6	30,300	34,800	25,700	30,200	21,100	25,600	16,500	20,900	105
110	39.5	96.8	28,100	32,400	23,800	28,000	19,400	23,600	15,000	19,200	110
115	36.1	90.4	26,200	30,200	22,000	26,100	17,900	21,900	13,700	17,700	115
120	32.4	83.1	24,400	28,300	20,400	24,300	16,500	20,300	12,500	16,300	120
125	28.3	74.5	22,700	26,500	18,900	22,600	15,200	18,800	11,400	15,000	125
130	23.6	64.2	21,200	24,800	17,600	21,100	14,000	17,500	10,300	13,800	130
135	17.7	50.9	19,800	23,200	16,300	19,700	12,800	16,200	9,400	12,700	135

Liftcrane Boom Capacities

Boom No. 78T With Long Reach Top
0 Lb. to 95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements



138 Ft. Boom

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	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	
24	81.5	145.6	146,200*	146,200*	129,700	146,200*	109,000	142,900	24
26	80.6	145.2	139,800	140,700*	110,500	139,800	92,600	121,600	26
28	79.8	144.9	121,600	135,500*	95,800	121,400	80,100	105,500	28
30	78.9	144.5	107,400	129,500*	84,300	107,100	70,300	92,800	30
32	78.1	144.1	95,900	116,600	75,100	95,500	62,400	82,600	32
34	77.2	143.7	86,400	105,200	67,400	86,000	55,900	74,300	34
36	76.4	143.2	78,500	95,700	61,000	78,000	50,400	67,300	36
38	75.5	142.7	71,700	87,600	55,600	71,300	45,800	61,300	38
40	74.7	142.2	65,900	80,600	50,900	65,400	41,800	56,200	40
45	72.5	140.7	54,400	66,900	41,600	53,900	33,800	46,100	45
50	70.3	139.0	45,900	56,700	34,700	45,400	28,000	38,600	50
55	68.1	137.1	39,300	48,800	29,400	38,900	23,400	32,800	55
60	65.8	135.0	34,000	42,600	25,200	33,700	19,800	28,200	60
65	63.5	132.6	29,800	37,500	21,700	29,400	16,900	24,500	65
70	61.2	130.0	26,200	33,300	18,900	25,900	14,400	21,400	70
75	58.8	127.1	23,200	29,700	16,500	22,900	12,400	18,800	75
80	56.3	123.9	20,700	26,700	14,400	20,400	10,600	16,500	80
85	53.8	120.4	18,500	24,100	12,600	18,200	9,100	14,600	85
90	51.2	116.6	16,500	21,800	11,000	16,200	7,700	12,900	90
95	48.5	112.4	14,800	19,700	9,700	14,500	6,500	11,400	95
100	45.6	107.7	13,300	17,900	8,400	13,000	5,500	10,100	100
105	42.6	102.6	11,900	16,300	7,300	11,700	4,500	8,900	105
110	39.5	96.8	10,700	14,900	6,300	10,500	3,700	7,800	110
115	36.1	90.4	9,600	13,500	5,400	9,400	2,900	6,800	115
120	32.4	83.1	8,500	12,300	4,600	8,300	2,200	5,900	120
125	28.3	74.5	7,600	11,200	3,800	7,400		5,100	125
130	23.6	64.2	6,700	10,200	3,100	6,500		4,300	130
135	17.7	50.9	5,900	9,200	2,400	5,700		3,600	135

Liftcrane Boom Capacities

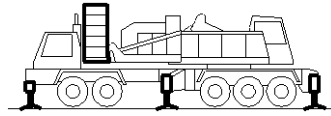
Boom No. 78T With Long Reach Top
0 Lb. to 95,400 Lb. Crane Counterweight

Without Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements

777T



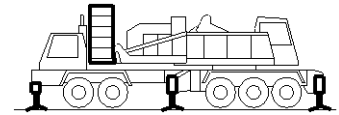
148 Ft. Boom

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	95,400 Lb. Crane Counterweight		78,400 Lb. Crane Counterweight		61,400 Lb. Crane Counterweight		44,400 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	
24	82.0	155.7	141,600*	141,600*	141,600*	141,600*	141,600*	141,600*	141,600*	141,600*	24
26	81.3	155.4	136,200*	136,200*	136,200*	136,200*	136,200*	136,200*	136,200*	136,200*	26
28	80.5	155.0	131,100*	131,100*	131,100*	131,100*	131,100*	131,100*	131,100*	131,100*	28
30	79.7	154.7	126,300*	126,300*	126,300*	126,300*	126,300*	126,300*	126,300*	126,300*	30
32	78.9	154.3	121,700*	121,700*	121,700*	121,700*	121,700*	121,700*	116,700	121,700*	32
34	78.1	153.9	117,400*	117,400*	117,400*	117,400*	117,400*	117,400*	105,400	117,400*	34
36	77.3	153.5	113,200*	113,200*	113,200*	113,200*	113,200*	113,200*	95,900	112,600*	36
38	76.5	153.0	109,300*	109,300*	109,300*	109,300*	103,900	109,300*	87,800	103,800	38
40	75.7	152.5	105,500*	105,500*	105,500*	105,500*	95,800	105,500*	80,800	95,700	40
45	73.7	151.1	97,000*	97,000*	92,600	97,000*	79,800	92,500	67,000	79,600	45
50	71.7	149.6	89,400*	89,400*	79,000	88,000*	67,900	79,000	56,800	67,700	50
55	69.6	147.8	78,500	82,600*	68,600	78,400	58,800	68,500	48,900	58,600	55
60	67.6	145.9	69,200	75,600*	60,300	69,100	51,500	60,200	42,600	51,300	60
65	65.4	143.7	61,600	68,800*	53,600	61,500	45,500	53,400	37,500	45,300	65
70	63.3	141.3	55,300	62,600	48,000	55,200	40,600	47,800	33,300	40,400	70
75	61.1	138.7	50,000	56,700	43,200	49,900	36,500	43,100	29,700	36,300	75
80	58.9	135.8	45,400	51,700	39,200	45,400	32,900	39,000	26,700	32,700	80
85	56.6	132.6	41,500	47,300	35,700	41,400	29,900	35,500	24,000	29,700	85
90	54.2	129.2	38,100	43,500	32,600	38,000	27,200	32,500	21,700	27,000	90
95	51.8	125.4	35,100	40,200	29,900	35,000	24,800	29,800	19,700	24,600	95
100	49.3	121.3	32,400	37,200	27,500	32,300	22,700	27,400	17,800	22,500	100
105	46.7	116.8	30,000	34,500	25,400	29,900	20,800	25,300	16,200	20,600	105
110	44.0	111.9	27,800	32,100	23,500	27,700	19,100	23,300	14,800	19,000	110
115	41.1	106.4	25,900	30,000	21,700	25,800	17,600	21,600	13,400	17,400	115
120	38.1	100.4	24,100	28,000	20,100	24,000	16,200	20,000	12,200	16,000	120
125	34.8	93.6	22,500	26,200	18,700	22,400	14,900	18,600	11,100	14,700	125
130	31.3	85.9	21,000	24,500	17,300	20,900	13,700	17,200	10,100	13,600	130
135	27.3	77.0	19,600	23,000	16,100	19,500	12,600	16,000	9,100	12,500	135
140	22.7	66.3	18,300	21,600	14,900	18,200	11,600	14,800	8,300	11,500	140
145	17.0	52.5	17,100	20,200	13,800	17,000	10,600	13,700	7,400	10,500	145

Liftcrane Boom Capacities

Boom No. 78T With Long Reach Top
0 Lb. to 95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements



148 Ft. Boom

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	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	
24	82.0	155.7	141,600*	141,600*	130,100	141,600*	109,400	141,600*	24
26	81.3	155.4	136,200*	136,200*	110,700	136,200*	92,900	121,800	26
28	80.5	155.0	121,800	131,100*	96,000	121,600	80,300	105,600	28
30	79.7	154.7	107,500	126,300*	84,400	107,200	70,400	92,900	30
32	78.9	154.3	95,900	116,600	75,100	95,500	62,400	82,700	32
34	78.1	153.9	86,400	105,200	67,400	86,000	55,900	74,300	34
36	77.3	153.5	78,400	95,600	61,000	78,000	50,400	67,200	36
38	76.5	153.0	71,600	87,500	55,500	71,200	45,700	61,300	38
40	75.7	152.5	65,800	80,500	50,800	65,400	41,700	56,100	40
45	73.7	151.1	54,300	66,700	41,500	53,800	33,700	45,900	45
50	71.7	149.6	45,700	56,500	34,600	45,300	27,800	38,400	50
55	69.6	147.8	39,100	48,600	29,200	38,700	23,200	32,600	55
60	67.6	145.9	33,800	42,300	25,000	33,400	19,600	28,000	60
65	65.4	143.7	29,500	37,300	21,500	29,200	16,600	24,200	65
70	63.3	141.3	26,000	33,000	18,600	25,600	14,200	21,100	70
75	61.1	138.7	23,000	29,500	16,200	22,700	12,100	18,500	75
80	58.9	135.8	20,400	26,400	14,100	20,100	10,300	16,300	80
85	56.6	132.6	18,200	23,800	12,300	17,900	8,800	14,300	85
90	54.2	129.2	16,200	21,500	10,800	16,000	7,400	12,600	90
95	51.8	125.4	14,500	19,400	9,400	14,300	6,200	11,100	95
100	49.3	121.3	13,000	17,600	8,100	12,700	5,200	9,800	100
105	46.7	116.8	11,600	16,000	7,000	11,400	4,200	8,600	105
110	44.0	111.9	10,400	14,600	6,000	10,200	3,400	7,500	110
115	41.1	106.4	9,300	13,200	5,100	9,100	2,600	6,500	115
120	38.1	100.4	8,300	12,000	4,300	8,100		5,600	120
125	34.8	93.6	7,300	10,900	3,500	7,100		4,800	125
130	31.3	85.9	6,500	9,900	2,800	6,300		4,000	130
135	27.3	77.0	5,700	9,000	2,200	5,500		3,300	135
140	22.7	66.3	4,900	8,100		4,700		2,700	140
145	17.0	52.5	4,200	7,300		4,000		2,000	145

Liftcrane Boom Capacities

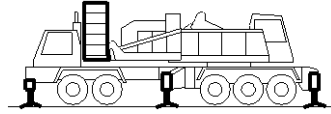
Boom No. 78T With Long Reach Top
0 Lb. to 95,400 Lb. Crane Counterweight

Without Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements

777T



158 Ft. Boom

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	95,400 Lb. Crane Counterweight		78,400 Lb. Crane Counterweight		61,400 Lb. Crane Counterweight		44,400 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	
26	81.8	165.5	131,800*	131,800*	131,800*	131,800*	131,800*	131,800*	131,800*	131,800*	26
28	81.1	165.2	126,800*	126,800*	126,800*	126,800*	126,800*	126,800*	126,800*	126,800*	28
30	80.3	164.8	122,100*	122,100*	122,100*	122,100*	122,100*	122,100*	122,100*	122,100*	30
32	79.6	164.5	117,700*	117,700*	117,700*	117,700*	117,700*	117,700*	116,700	117,700*	32
34	78.9	164.1	113,400*	113,400*	113,400*	113,400*	113,400*	113,400*	105,300	113,400*	34
36	78.1	163.7	109,400*	109,400*	109,400*	109,400*	109,400*	109,400*	95,800	109,400*	36
38	77.4	163.3	105,500*	105,500*	105,500*	105,500*	103,800	105,500*	87,700	103,700	38
40	76.6	162.8	101,900*	101,900*	101,900*	101,900*	95,700	101,900*	80,700	95,600	40
45	74.8	161.5	93,400*	93,400*	92,400	93,400*	79,600	92,400	66,800	79,500	45
50	72.9	160.1	86,000*	86,000*	78,800	86,000*	67,700	78,800	56,600	67,500	50
55	71.0	158.5	78,200	79,300*	68,400	78,200	58,500	68,300	48,700	58,300	55
60	69.0	156.6	68,900	73,300*	60,100	68,800	51,200	59,900	42,400	51,000	60
65	67.1	154.6	61,300	67,800*	53,300	61,200	45,300	53,100	37,300	45,100	65
70	65.1	152.4	55,000	62,300	47,700	54,900	40,300	47,500	33,000	40,100	70
75	63.1	150.0	49,700	56,400	42,900	49,600	36,200	42,800	29,400	36,000	75
80	61.0	147.3	45,100	51,400	38,900	45,000	32,600	38,700	26,300	32,400	80
85	58.9	144.4	41,200	47,000	35,400	41,100	29,500	35,200	23,700	29,300	85
90	56.8	141.3	37,800	43,200	32,300	37,700	26,800	32,200	21,400	26,700	90
95	54.6	137.9	34,800	39,800	29,600	34,700	24,500	29,500	19,300	24,300	95
100	52.4	134.2	32,100	36,900	27,200	32,000	22,400	27,100	17,500	22,200	100
105	50.0	130.2	29,700	34,200	25,100	29,600	20,500	24,900	15,900	20,300	105
110	47.6	125.8	27,500	31,800	23,100	27,400	18,800	23,000	14,400	18,600	110
115	45.1	121.0	25,500	29,600	21,400	25,400	17,200	21,300	13,100	17,100	115
120	42.5	115.8	23,800	27,700	19,800	23,700	15,800	19,700	11,900	15,700	120
125	39.7	110.1	22,100	25,900	18,300	22,000	14,600	18,200	10,800	14,400	125
130	36.8	103.7	20,600	24,200	17,000	20,500	13,400	16,900	9,800	13,200	130
135	33.7	96.7	19,300	22,700	15,800	19,200	12,300	15,700	8,800	12,200	135
140	30.2	88.7	18,000	21,300	14,600	17,900	11,300	14,500	8,000	11,200	140
145	26.4	79.4	16,800	19,900	13,600	16,700	10,400	13,500	7,100	10,200	145
150	22.0	68.3	15,700	18,700	12,600	15,600	9,500	12,500	6,400	9,300	150
155	16.5	53.9	14,600	17,500	11,600	14,500	8,600	11,500	5,600	8,500	155

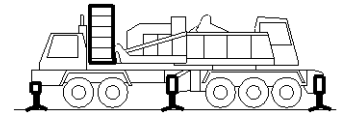
Liftcrane Boom Capacities

Boom No. 78T With Long Reach Top
0 Lb. to 95,400 Lb. Crane Counterweight

Without Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements



158 Ft. Boom



Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	27,400 Lb. Crane Counterweight		10,400 Lb. Crane Counterweight		Oper. Rad. Feet
			Boom Capacity 360 Deg. Pounds	Boom Capacity Rear Pounds	Boom Capacity 360 Deg. Pounds	Boom Capacity Rear Pounds	
26	81.8	165.5	131,800*	131,800*	110,900	131,800*	26
28	81.1	165.2	121,900	126,800*	96,100	121,700	28
30	80.3	164.8	107,500	122,100*	84,500	107,200	30
32	79.6	164.5	95,900	116,700	75,100	95,600	32
34	78.9	164.1	86,400	105,200	67,400	86,000	34
36	78.1	163.7	78,400	95,600	60,900	77,900	36
38	77.4	163.3	71,500	87,400	55,400	71,100	38
40	76.6	162.8	65,700	80,400	50,700	65,200	40
45	74.8	161.5	54,100	66,600	41,300	53,600	45
50	72.9	160.1	45,500	56,300	34,300	45,100	50
55	71.0	158.5	38,800	48,400	29,000	38,400	55
60	69.0	156.6	33,500	42,100	24,700	33,200	60
65	67.1	154.6	29,200	37,000	21,200	28,900	65
70	65.1	152.4	25,700	32,700	18,300	25,300	70
75	63.1	150.0	22,700	29,200	15,900	22,400	75
80	61.0	147.3	20,100	26,100	13,800	19,800	80
85	58.9	144.4	17,900	23,500	12,000	17,600	85
90	56.8	141.3	15,900	21,200	10,400	15,600	90
95	54.6	137.9	14,200	19,100	9,000	13,900	95
100	52.4	134.2	12,700	17,300	7,800	12,400	100
105	50.0	130.2	11,300	15,700	6,700	11,100	105
110	47.6	125.8	10,100	14,200	5,700	9,800	110
115	45.1	121.0	8,900	12,900	4,800	8,700	115
120	42.5	115.8	7,900	11,700	4,000	7,700	120
125	39.7	110.1	7,000	10,600	3,200	6,800	125
130	36.8	103.7	6,100	9,600	2,500	6,000	130
135	33.7	96.7	5,300	8,700		5,200	135
140	30.2	88.7	4,600	7,800		4,400	140
145	26.4	79.4	3,900	7,000		3,700	145
150	22.0	68.3	3,300	6,200		3,100	150
155	16.5	53.9	2,600	5,500		2,500	155

Liftcrane Boom Capacities

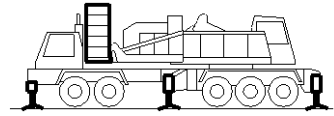
Boom No. 78T With Long Reach Top
0 Lb. to 95,400 Lb. Crane Counterweight

Without Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements

777T



168 Ft. Boom

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	95,400 Lb. Crane Counterweight		78,400 Lb. Crane Counterweight		61,400 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	
28	81.6	175.3	147,300*	147,300*	147,300*	147,300*	147,300*	147,300*	28
30	80.9	175.0	144,100*	144,100*	144,100*	144,100*	144,100*	144,100*	30
32	80.2	174.6	141,000*	141,000*	141,000*	141,000*	136,400*	136,400*	32
34	79.5	174.3	133,900*	133,900*	133,900*	133,900*	124,200	127,300*	34
36	78.8	173.9	126,400*	126,400*	126,400*	126,400*	113,100	119,300*	36
38	78.1	173.5	119,800*	119,800*	119,400*	119,400*	103,600	112,100*	38
40	77.5	173.1	113,900*	113,900*	110,500	112,600*	95,500	105,700*	40
45	75.7	171.9	101,600*	101,600*	92,100	98,300*	79,300	92,100	45
50	73.9	170.5	89,600	91,800*	78,500	87,000*	67,400	78,400	50
55	72.1	169.0	77,800	82,700*	68,000	77,700*	58,100	67,900	55
60	70.3	167.3	68,500	74,600*	59,700	68,400	50,800	59,500	60
65	68.5	165.4	60,900	67,800*	52,900	60,800	44,900	52,700	65
70	66.7	163.4	54,600	61,900*	47,200	54,500	39,900	47,100	70
75	64.8	161.1	49,200	56,000	42,500	49,100	35,700	42,300	75
80	62.9	158.7	44,700	50,900	38,400	44,600	32,100	38,300	80
85	61.0	156.0	40,700	46,500	34,900	40,600	29,100	34,800	85
90	59.0	153.1	37,300	42,700	31,800	37,200	26,400	31,700	90
95	57.0	150.0	34,300	39,300	29,100	34,200	24,000	29,000	95
100	54.9	146.6	31,600	36,400	26,700	31,500	21,900	26,600	100
105	52.8	143.0	29,200	33,700	24,600	29,100	20,000	24,400	105
110	50.7	139.0	27,000	31,300	22,600	26,900	18,300	22,500	110
115	48.4	134.7	25,000	29,100	20,900	24,900	16,700	20,800	115
120	46.1	130.1	23,300	27,200	19,300	23,200	15,300	19,200	120
125	43.7	125.1	21,600	25,400	17,800	21,500	14,100	17,700	125
130	41.2	119.6	20,100	23,700	16,500	20,000	12,900	16,400	130
135	38.5	113.6	18,800	22,200	15,300	18,700	11,800	15,200	135
140	35.7	107.0	17,500	20,800	14,100	17,400	10,800	14,000	140
145	32.6	99.6	16,300	19,500	13,100	16,200	9,900	13,000	145
150	29.3	91.3	15,200	18,200	12,100	15,100	9,000	12,000	150
155	25.6	81.7	14,200	17,100	11,200	14,100	8,200	11,100	155
160	21.3	70.2	13,200	16,000	10,300	13,100	7,400	10,200	160
165	16.0	55.4	12,300	15,000	9,500	12,200	6,700	9,400	165

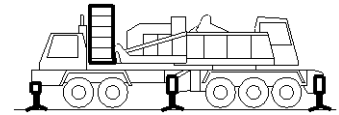
Liftcrane Boom Capacities

Boom No. 78T With Long Reach Top
0 Lb. to 95,400 Lb. Crane Counterweight

Without Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements



168 Ft. Boom



Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	44,400 Lb. Crane Counterweight		27,400 Lb. Crane Counterweight		Oper. Rad. Feet
			Boom Capacity 360 Deg. Pounds	Boom Capacity Rear Pounds	Boom Capacity 360 Deg. Pounds	Boom Capacity Rear Pounds	
28	81.6	175.3	147,300*	147,300*	122,000	138,600*	28
30	80.9	175.0	130,600	137,400*	107,500	128,100*	30
32	80.2	174.6	116,700	127,700*	95,800	116,600	32
34	79.5	174.3	105,200	119,200*	86,200	105,100	34
36	78.8	173.9	95,600	111,600*	78,200	95,400	36
38	78.1	173.5	87,500	103,600	71,300	87,200	38
40	77.5	173.1	80,500	95,400	65,400	80,200	40
45	75.7	171.9	66,600	79,200	53,800	66,300	45
50	73.9	170.5	56,200	67,200	45,100	56,000	50
55	72.1	169.0	48,300	57,900	38,500	48,000	55
60	70.3	167.3	42,000	50,600	33,100	41,700	60
65	68.5	165.4	36,800	44,600	28,800	36,600	65
70	66.7	163.4	32,600	39,700	25,200	32,300	70
75	64.8	161.1	29,000	35,500	22,200	28,700	75
80	62.9	158.7	25,900	32,000	19,600	25,600	80
85	61.0	156.0	23,200	28,900	17,400	23,000	85
90	59.0	153.1	20,900	26,200	15,400	20,700	90
95	57.0	150.0	18,800	23,800	13,700	18,600	95
100	54.9	146.6	17,000	21,700	12,200	16,800	100
105	52.8	143.0	15,400	19,800	10,800	15,200	105
110	50.7	139.0	13,900	18,100	9,600	13,700	110
115	48.4	134.7	12,600	16,600	8,400	12,400	115
120	46.1	130.1	11,400	15,200	7,400	11,200	120
125	43.7	125.1	10,300	13,900	6,500	10,100	125
130	41.2	119.6	9,300	12,700	5,600	9,100	130
135	38.5	113.6	8,300	11,700	4,800	8,200	135
140	35.7	107.0	7,500	10,700	4,100	7,300	140
145	32.6	99.6	6,600	9,700	3,400	6,500	145
150	29.3	91.3	5,900	8,900	2,800	5,700	150
155	25.6	81.7	5,200	8,100	2,200	5,000	155
160	21.3	70.2	4,500	7,300		4,400	160
165	16.0	55.4	3,900	6,500		3,700	165

Liftcrane Boom Capacities

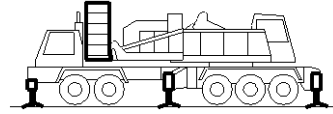
Boom No. 78T With Long Reach Top
0 Lb. to 95,400 Lb. Crane Counterweight

Without Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements

777T



178 Ft. Boom

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	95,400 Lb. Crane Counterweight		78,400 Lb. Crane Counterweight		61,400 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	
30	81.4	185.1	124,100*	124,100*	124,100*	124,100*	124,100*	124,100*	30
32	80.8	184.8	120,800*	120,800*	120,800*	120,800*	120,800*	120,800*	32
34	80.1	184.5	117,600*	117,600*	117,600*	117,600*	117,600*	117,600*	34
36	79.5	184.1	114,500*	114,500*	114,500*	114,500*	113,000	114,500*	36
38	78.8	183.7	111,400*	111,400*	111,400*	111,400*	103,500	111,400*	38
40	78.2	183.3	108,500*	108,500*	108,500*	108,500*	95,300	105,300*	40
45	76.5	182.2	99,000*	99,000*	91,900	97,900*	79,100	91,800*	45
50	74.9	180.9	89,300*	89,300*	78,200	86,500*	67,100	78,200	50
55	73.2	179.5	77,600	81,400*	67,700	77,300*	57,900	67,600	55
60	71.5	177.9	68,200	74,200*	59,400	68,100	50,500	59,200	60
65	69.8	176.1	60,600	67,300*	52,500	60,500	44,500	52,400	65
70	68.1	174.2	54,200	61,500*	46,900	54,100	39,600	46,800	70
75	66.3	172.1	48,900	55,600	42,100	48,800	35,400	42,000	75
80	64.5	169.8	44,300	50,500	38,000	44,200	31,800	37,900	80
85	62.8	167.3	40,400	46,200	34,500	40,300	28,700	34,400	85
90	60.9	164.7	36,900	42,300	31,400	36,800	26,000	31,300	90
95	59.1	161.8	33,900	39,000	28,700	33,800	23,600	28,600	95
100	57.2	158.7	31,200	36,000	26,300	31,100	21,500	26,200	100
105	55.2	155.3	28,800	33,300	24,200	28,700	19,600	24,100	105
110	53.3	151.7	26,600	30,900	22,200	26,500	17,900	22,100	110
115	51.2	147.8	24,600	28,700	20,500	24,500	16,300	20,400	115
120	49.1	143.7	22,900	26,800	18,900	22,800	14,900	18,800	120
125	47.0	139.2	21,200	24,900	17,400	21,100	13,700	17,300	125
130	44.7	134.3	19,700	23,300	16,100	19,600	12,500	16,000	130
135	42.4	129.0	18,400	21,800	14,900	18,300	11,400	14,800	135
140	39.9	123.3	17,100	20,400	13,700	17,000	10,400	13,600	140
145	37.4	117.1	15,900	19,100	12,700	15,800	9,500	12,600	145
150	34.6	110.2	14,800	17,800	11,700	14,700	8,600	11,600	150
155	31.7	102.5	13,800	16,700	10,800	13,700	7,800	10,700	155
160	28.5	93.9	12,800	15,600	9,900	12,700	7,000	9,800	160
165	24.9	83.9	11,900	14,600	9,100	11,800	6,300	9,000	165
170	20.7	72.0	11,000	13,700	8,300	11,000	5,600	8,200	170
175	15.5	56.7	10,200	12,800	7,600	10,100	5,000	7,500	175

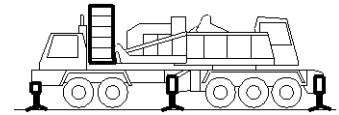
Liftcrane Boom Capacities

Boom No. 78T With Long Reach Top
0 Lb. to 95,400 Lb. Crane Counterweight

Without Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements



178 Ft. Boom



Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	44,400 Lb. Crane Counterweight		27,400 Lb. Crane Counterweight		Oper. Rad. Feet
			Boom Capacity 360 Deg. Pounds	Boom Capacity Rear Pounds	Boom Capacity 360 Deg. Pounds	Boom Capacity Rear Pounds	
30	81.4	185.1	124,100*	124,100*	107,600	124,100*	30
32	80.8	184.8	116,600	120,800*	95,800	116,600	32
34	80.1	184.5	105,100	117,600*	86,200	105,000	34
36	79.5	184.1	95,500	111,200*	78,100	95,300	36
38	78.8	183.7	87,300	103,400	71,200	87,100	38
40	78.2	183.3	80,300	95,200	65,300	80,000	40
45	76.5	182.2	66,300	79,000	53,600	66,100	45
50	74.9	180.9	56,000	66,900	44,900	55,700	50
55	73.2	179.5	48,000	57,700	38,200	47,700	55
60	71.5	177.9	41,700	50,300	32,800	41,400	60
65	69.8	176.1	36,500	44,300	28,500	36,200	65
70	68.1	174.2	32,200	39,400	24,900	32,000	70
75	66.3	172.1	28,600	35,200	21,900	28,400	75
80	64.5	169.8	25,500	31,600	19,300	25,300	80
85	62.8	167.3	22,900	28,500	17,000	22,600	85
90	60.9	164.7	20,500	25,800	15,000	20,300	90
95	59.1	161.8	18,500	23,400	13,300	18,200	95
100	57.2	158.7	16,600	21,300	11,800	16,400	100
105	55.2	155.3	15,000	19,400	10,400	14,800	105
110	53.3	151.7	13,500	17,700	9,200	13,300	110
115	51.2	147.8	12,200	16,200	8,000	12,000	115
120	49.1	143.7	11,000	14,800	7,000	10,800	120
125	47.0	139.2	9,900	13,500	6,100	9,700	125
130	44.7	134.3	8,900	12,300	5,200	8,700	130
135	42.4	129.0	7,900	11,300	4,400	7,800	135
140	39.9	123.3	7,100	10,300	3,700	6,900	140
145	37.4	117.1	6,200	9,300	3,000	6,100	145
150	34.6	110.2	5,500	8,500	2,400	5,400	150
155	31.7	102.5	4,800	7,700		4,700	155
160	28.5	93.9	4,100	6,900		4,000	160
165	24.9	83.9	3,500	6,200		3,400	165
170	20.7	72.0	2,900	5,500		2,800	170
175	15.5	56.7	2,300	4,900		2,200	175

Liftcrane Boom Capacities

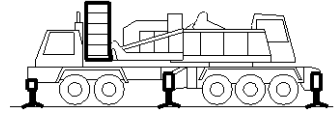
Boom No. 78T With Long Reach Top
0 Lb. to 95,400 Lb. Crane Counterweight

Without Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements

777T



188 Ft. Boom

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	95,400 Lb. Crane Counterweight		78,400 Lb. Crane Counterweight		61,400 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	
30	81.9	195.2	119,500*	119,500*	119,500*	119,500*	119,500*	119,500*	30
32	81.3	194.9	116,400*	116,400*	116,400*	116,400*	116,400*	116,400*	32
34	80.7	194.6	113,500*	113,500*	113,500*	113,500*	113,500*	113,500*	34
36	80.0	194.3	110,600*	110,600*	110,600*	110,600*	110,600*	110,600*	36
38	79.4	193.9	107,800*	107,800*	107,800*	107,800*	103,200	107,800*	38
40	78.8	193.5	105,100*	105,100*	105,100*	105,100*	95,100	104,900*	40
45	77.2	192.4	96,700*	96,700*	91,600	96,700*	78,900	91,400*	45
50	75.7	191.2	87,200*	87,200*	78,000	86,100*	66,800	77,900	50
55	74.1	189.9	77,300	79,400*	67,400	76,900*	57,600	67,300	55
60	72.5	188.4	67,900	72,900*	59,000	67,800	50,200	58,900	60
65	70.9	186.7	60,200	66,900*	52,200	60,200	44,200	52,100	65
70	69.3	184.9	53,900	61,100*	46,600	53,800	39,200	46,400	70
75	67.6	183.0	48,500	55,300	41,800	48,500	35,000	41,700	75
80	66.0	180.8	44,000	50,200	37,700	43,900	31,400	37,600	80
85	64.3	178.5	40,000	45,800	34,200	39,900	28,300	34,000	85
90	62.6	176.0	36,600	42,000	31,100	36,500	25,600	31,000	90
95	60.9	173.3	33,500	38,600	28,400	33,400	23,200	28,300	95
100	59.1	170.4	30,800	35,600	26,000	30,700	21,100	25,900	100
105	57.3	167.3	28,400	33,000	23,800	28,300	19,200	23,700	105
110	55.5	164.0	26,200	30,500	21,900	26,200	17,500	21,800	110
115	53.6	160.4	24,300	28,400	20,100	24,200	16,000	20,000	115
120	51.7	156.6	22,500	26,400	18,500	22,400	14,600	18,400	120
125	49.7	152.5	20,900	24,600	17,100	20,800	13,300	17,000	125
130	47.7	148.2	19,400	22,900	15,800	19,300	12,100	15,600	130
135	45.6	143.4	18,000	21,400	14,500	17,900	11,000	14,400	135
140	43.4	138.4	16,700	20,000	13,400	16,700	10,000	13,300	140
145	41.2	132.9	15,600	18,700	12,300	15,500	9,100	12,200	145
150	38.8	126.9	14,500	17,500	11,400	14,400	8,300	11,300	150
155	36.3	120.4	13,400	16,400	10,400	13,400	7,400	10,300	155
160	33.6	113.3	12,500	15,300	9,600	12,400	6,700	9,500	160
165	30.8	105.3	11,600	14,300	8,800	11,500	6,000	8,700	165
170	27.7	96.4	10,700	13,400	8,000	10,700	5,300	7,900	170
175	24.2	86.1	9,900	12,500	7,300	9,900	4,700	7,200	175
180	20.1	73.8	9,200	11,700	6,600	9,100	4,100	6,500	180
185	15.1	58.1	8,400	10,900	6,000	8,400	3,500	5,900	185

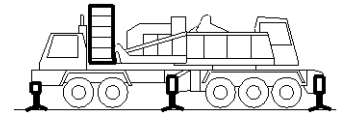
Liftcrane Boom Capacities

Boom No. 78T With Long Reach Top
0 Lb. to 95,400 Lb. Crane Counterweight

Without Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements



188 Ft. Boom



Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	44,400 Lb. Crane Counterweight		27,400 Lb. Crane Counterweight		Oper. Rad. Feet
			Boom Capacity 360 Deg. Pounds	Boom Capacity Rear Pounds	Boom Capacity 360 Deg. Pounds	Boom Capacity Rear Pounds	
30	81.9	195.2	119,500*	119,500*	107,400	119,500*	30
32	81.3	194.9	116,400*	116,400*	95,700	116,400*	32
34	80.7	194.6	105,000	113,500*	86,000	104,800	34
36	80.0	194.3	95,300	110,600*	77,900	95,100	36
38	79.4	193.9	87,100	103,200	71,000	86,900	38
40	78.8	193.5	80,100	95,000	65,100	79,800	40
45	77.2	192.4	66,100	78,700	53,300	65,800	45
50	75.7	191.2	55,700	66,700	44,600	55,400	50
55	74.1	189.9	47,700	57,400	37,900	47,400	55
60	72.5	188.4	41,400	50,000	32,500	41,100	60
65	70.9	186.7	36,200	44,000	28,200	35,900	65
70	69.3	184.9	31,900	39,000	24,600	31,600	70
75	67.6	183.0	28,300	34,800	21,500	28,000	75
80	66.0	180.8	25,200	31,300	18,900	24,900	80
85	64.3	178.5	22,500	28,200	16,700	22,300	85
90	62.6	176.0	20,200	25,500	14,700	20,000	90
95	60.9	173.3	18,100	23,100	13,000	17,900	95
100	59.1	170.4	16,300	21,000	11,400	16,100	100
105	57.3	167.3	14,600	19,100	10,000	14,400	105
110	55.5	164.0	13,200	17,400	8,800	13,000	110
115	53.6	160.4	11,800	15,800	7,700	11,700	115
120	51.7	156.6	10,600	14,400	6,700	10,500	120
125	49.7	152.5	9,500	13,200	5,700	9,400	125
130	47.7	148.2	8,500	12,000	4,900	8,300	130
135	45.6	143.4	7,600	10,900	4,100	7,400	135
140	43.4	138.4	6,700	9,900	3,400	6,600	140
145	41.2	132.9	5,900	9,000	2,700	5,800	145
150	38.8	126.9	5,200	8,100	2,100	5,000	150
155	36.3	120.4	4,500	7,300		4,300	155
160	33.6	113.3	3,800	6,600		3,700	160
165	30.8	105.3	3,200	5,900		3,100	165
170	27.7	96.4	2,600	5,200		2,500	170
175	24.2	86.1	2,000	4,600			175
180	20.1	73.8		4,000			180
185	15.1	58.1		3,400			185

Liftcrane Boom Capacities

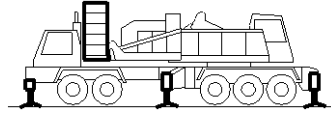
Boom No. 78T With Long Reach Top
0 Lb. to 95,400 Lb. Crane Counterweight

Without Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements

777T



198 Ft. Boom

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	95,400 Lb. Crane Counterweight		78,400 Lb. Crane Counterweight		61,400 Lb. Crane Counterweight		44,400 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	
32	81.7	205.0	114,500*	114,500*	114,500*	114,500*	114,500*	114,500*	114,500*	114,500*	32
34	81.1	204.7	111,800*	111,800*	111,800*	111,800*	111,800*	111,800*	104,900	111,800*	34
36	80.6	204.4	109,300*	109,300*	109,300*	109,300*	109,300*	109,300*	95,200	109,300*	36
38	80.0	204.1	106,800*	106,800*	106,800*	106,800*	103,100	106,800*	87,000	103,100	38
40	79.4	203.7	104,400*	104,400*	104,400*	104,400*	94,900	104,400*	79,900	94,900	40
45	77.9	202.7	95,300*	95,300*	91,500	95,300*	78,700	91,200*	66,000	78,600	45
50	76.4	201.5	85,800*	85,800*	77,800	85,800*	66,700	77,800	55,600	66,500	50
55	74.9	200.3	77,100	78,000*	67,300	76,700*	57,400	67,200	47,600	57,300	55
60	73.4	198.9	67,800	71,600*	58,900	67,700	50,100	58,800	41,200	49,900	60
65	71.9	197.3	60,100	66,100*	52,100	60,100	44,100	52,000	36,100	43,900	65
70	70.4	195.6	53,800	61,000*	46,400	53,700	39,100	46,300	31,800	38,900	70
75	68.8	193.7	48,400	55,100	41,700	48,300	34,900	41,500	28,200	34,700	75
80	67.3	191.7	43,800	50,100	37,600	43,800	31,300	37,400	25,100	31,100	80
85	65.7	189.5	39,900	45,700	34,100	39,800	28,200	33,900	22,400	28,000	85
90	64.1	187.2	36,400	41,900	31,000	36,400	25,500	30,800	20,000	25,300	90
95	62.5	184.7	33,400	38,500	28,300	33,300	23,100	28,100	18,000	23,000	95
100	60.8	182.0	30,700	35,500	25,900	30,600	21,000	25,700	16,200	20,800	100
105	59.2	179.1	28,300	32,800	23,700	28,200	19,100	23,600	14,500	19,000	105
110	57.5	176.0	26,100	30,400	21,800	26,000	17,400	21,600	13,000	17,300	110
115	55.7	172.7	24,200	28,300	20,000	24,100	15,900	19,900	11,700	15,700	115
120	54.0	169.2	22,400	26,300	18,400	22,300	14,500	18,300	10,500	14,300	120
125	52.1	165.4	20,800	24,500	17,000	20,700	13,200	16,900	9,400	13,000	125
130	50.3	161.4	19,300	22,800	15,600	19,200	12,000	15,500	8,400	11,900	130
135	48.4	157.1	17,900	21,300	14,400	17,800	10,900	14,300	7,500	10,800	135
140	46.4	152.5	16,600	19,900	13,300	16,500	9,900	13,200	6,600	9,800	140
145	44.4	147.6	15,400	18,600	12,200	15,400	9,000	12,100	5,800	8,900	145
150	42.3	142.3	14,400	17,400	11,300	14,300	8,100	11,200	5,000	8,000	150
155	40.1	136.6	13,300	16,300	10,300	13,300	7,300	10,200	4,400	7,200	155
160	37.8	130.4	12,400	15,200	9,500	12,300	6,600	9,400	3,700	6,500	160
165	35.3	123.6	11,500	14,200	8,700	11,400	5,900	8,600	3,100	5,800	165
170	32.8	116.2	10,600	13,300	7,900	10,600	5,200	7,800	2,500	5,100	170
175	30.0	108.0	9,900	12,400	7,200	9,800	4,600	7,100	2,000	4,500	175
180	26.9	98.8	9,100	11,600	6,600	9,000	4,000	6,500		3,900	180
185	23.6	88.2	8,400	10,800	5,900	8,300	3,400	5,800		3,300	185
190	19.6	75.6	7,700	10,100	5,300	7,600	2,900	5,200		2,800	190
195	14.7	59.4	7,100	9,300	4,700	7,000	2,400	4,600		2,300	195

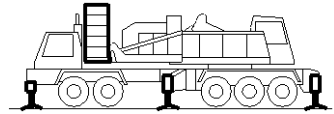
Liftcrane Boom Capacities

Boom No. 78T With Long Reach Top
0 Lb. to 95,400 Lb. Crane Counterweight

Without Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements



208 Ft. Boom

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	95,400 Lb. Crane Counterweight		78,400 Lb. Crane Counterweight		61,400 Lb. Crane Counterweight		44,400 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	
34	81.6	214.8	108,600*	108,600*	108,600*	108,600*	108,600*	108,600*	104,700	108,600*	34
36	81.0	214.5	106,200*	106,200*	106,200*	106,200*	106,200*	106,200*	95,000	106,200*	36
38	80.5	214.2	104,000*	104,000*	104,000*	104,000*	102,900	104,000*	86,800	102,900	38
40	79.9	213.9	101,800*	101,800*	101,800*	101,800*	94,700	101,800*	79,700	94,600	40
45	78.5	212.9	93,200*	93,200*	91,200	93,200*	78,500	90,700*	65,700	78,300	45
50	77.1	211.8	83,800*	83,800*	77,500	83,800*	66,400	77,500	55,300	66,200	50
55	75.7	210.6	76,100*	76,100*	67,000	76,100*	57,100	66,900	47,300	56,900	55
60	74.2	209.3	67,400	69,700*	58,600	67,400	49,700	58,400	40,900	49,500	60
65	72.8	207.8	59,700	64,300*	51,700	59,700	43,700	51,600	35,700	43,500	65
70	71.4	206.2	53,400	59,600*	46,100	53,300	38,700	45,900	31,400	38,500	70
75	69.9	204.4	48,000	54,800	41,300	48,000	34,500	41,100	27,800	34,300	75
80	68.4	202.5	43,400	49,700	37,200	43,400	30,900	37,100	24,700	30,700	80
85	66.9	200.5	39,500	45,300	33,700	39,400	27,800	33,500	22,000	27,600	85
90	65.4	198.2	36,000	41,500	30,600	35,900	25,100	30,400	19,600	24,900	90
95	63.9	195.9	33,000	38,100	27,800	32,900	22,700	27,700	17,600	22,500	95
100	62.4	193.3	30,300	35,100	25,400	30,200	20,600	25,300	15,700	20,400	100
105	60.8	190.6	27,900	32,400	23,300	27,800	18,700	23,200	14,100	18,500	105
110	59.2	187.7	25,700	30,000	21,300	25,600	17,000	21,200	12,600	16,800	110
115	57.6	184.7	23,700	27,800	19,600	23,600	15,400	19,500	11,300	15,300	115
120	55.9	181.4	21,900	25,800	18,000	21,900	14,000	17,900	10,100	13,900	120
125	54.3	177.9	20,300	24,000	16,500	20,200	12,800	16,400	9,000	12,600	125
130	52.5	174.2	18,800	22,400	15,200	18,700	11,600	15,100	8,000	11,400	130
135	50.8	170.2	17,500	20,900	14,000	17,400	10,500	13,900	7,000	10,400	135
140	49.0	166.0	16,200	19,500	12,800	16,100	9,500	12,700	6,200	9,400	140
145	47.1	161.5	15,000	18,200	11,800	14,900	8,600	11,700	5,400	8,500	145
150	45.2	156.7	13,900	17,000	10,800	13,800	7,700	10,700	4,600	7,600	150
155	43.3	151.6	12,900	15,800	9,900	12,800	6,900	9,800	3,900	6,800	155
160	41.2	146.1	11,900	14,800	9,100	11,900	6,200	9,000	3,300	6,000	160
165	39.1	140.2	11,100	13,800	8,300	11,000	5,500	8,200	2,700	5,400	165
170	36.8	133.7	10,200	12,900	7,500	10,100	4,800	7,400	2,100	4,700	170
175	34.5	126.8	9,400	12,000	6,800	9,400	4,200	6,700		4,100	175
180	31.9	119.1	8,700	11,200	6,100	8,600	3,600	6,100		3,500	180
185	29.2	110.7	8,000	10,400	5,500	7,900	3,000	5,400		2,900	185
190	26.3	101.2	7,300	9,700	4,900	7,200	2,500	4,800		2,400	190
195	23.0	90.3	6,700	9,000	4,300	6,600	2,000	4,300			195
200	19.1	77.3	6,100	8,300	3,800	6,000		3,700			200
205	14.4	60.7	5,500	7,600	3,200	5,400		3,200			205

Liftcrane Boom Capacities

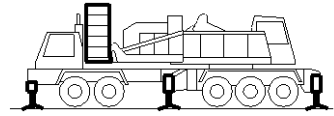
Boom No. 78T With Long Reach Top
0 Lb. to 95,400 Lb. Crane Counterweight

Without Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements

777T



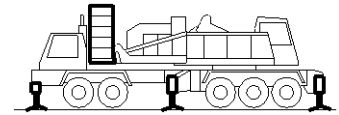
218 Ft. Boom

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	95,400 Lb. Crane Counterweight		78,400 Lb. Crane Counterweight		61,400 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	
34	82.0	224.9	101,400*	101,400*	101,400*	101,400*	101,400*	101,400*	34
36	81.4	224.6	99,000*	99,000*	99,000*	99,000*	99,000*	99,000*	36
38	80.9	224.3	96,700*	96,700*	96,700*	96,700*	96,700*	96,700*	38
40	80.4	224.0	94,500*	94,500*	94,500*	94,500*	94,500*	94,500*	40
45	79.0	223.1	89,100*	89,100*	89,100*	89,100*	78,200	89,100*	45
50	77.7	222.1	81,800*	81,800*	77,200	81,800*	66,100	77,200	50
55	76.3	220.9	74,300*	74,300*	66,700	74,300*	56,800	66,600	55
60	75.0	219.6	67,100	68,000*	58,200	67,100	49,400	58,100	60
65	73.6	218.2	59,400	62,600*	51,400	59,400	43,400	51,300	65
70	72.2	216.7	53,000	58,000*	45,700	53,000	38,400	45,600	70
75	70.9	215.0	47,700	54,000*	40,900	47,600	34,200	40,800	75
80	69.5	213.2	43,100	49,300	36,800	43,000	30,600	36,700	80
85	68.0	211.3	39,100	44,900	33,300	39,000	27,400	33,200	85
90	66.6	209.2	35,700	41,100	30,200	35,600	24,700	30,100	90
95	65.2	207.0	32,600	37,700	27,500	32,500	22,300	27,300	95
100	63.7	204.6	29,900	34,700	25,100	29,800	20,200	24,900	100
105	62.3	202.0	27,500	32,000	22,900	27,400	18,300	22,800	105
110	60.8	199.3	25,300	29,600	20,900	25,200	16,600	20,800	110
115	59.2	196.4	23,300	27,400	19,200	23,300	15,000	19,100	115
120	57.7	193.3	21,600	25,500	17,600	21,500	13,600	17,500	120
125	56.1	190.1	19,900	23,700	16,100	19,800	12,400	16,000	125
130	54.5	186.6	18,400	22,000	14,800	18,300	11,200	14,700	130
135	52.9	183.0	17,100	20,500	13,600	17,000	10,100	13,500	135
140	51.2	179.1	15,800	19,100	12,400	15,700	9,100	12,300	140
145	49.5	174.9	14,600	17,800	11,400	14,500	8,200	11,300	145
150	47.8	170.5	13,500	16,600	10,400	13,400	7,300	10,300	150
155	46.0	165.8	12,500	15,400	9,500	12,400	6,500	9,400	155
160	44.1	160.8	11,500	14,400	8,700	11,500	5,800	8,600	160
165	42.2	155.5	10,700	13,400	7,900	10,600	5,100	7,800	165
170	40.2	149.8	9,800	12,500	7,100	9,800	4,400	7,000	170
175	38.1	143.7	9,000	11,600	6,400	9,000	3,800	6,300	175
180	35.9	137.0	8,300	10,800	5,700	8,200	3,200	5,700	180
185	33.6	129.8	7,600	10,000	5,100	7,500	2,600	5,000	185
190	31.2	122.0	6,900	9,300	4,500	6,900	2,100	4,400	190
195	28.5	113.3	6,300	8,600	4,000	6,200		3,900	195
200	25.7	103.5	5,700	7,900	3,400	5,600		3,300	200
205	22.4	92.3	5,100	7,300	2,900	5,100		2,800	205
210	18.7	79.0	4,600	6,700	2,400	4,500		2,300	210
215	14.0	61.9	4,000	6,100		4,000			215

Liftcrane Boom Capacities

Boom No. 78T With Long Reach Top
0 Lb. to 95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements



228 Ft. Boom

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	95,400 Lb. Crane Counterweight		78,400 Lb. Crane Counterweight		Oper. Rad. Feet
			Boom Capacity 360 Deg. Pounds	Boom Capacity Rear Pounds	Boom Capacity 360 Deg. Pounds	Boom Capacity Rear Pounds	
36	81.8	234.8	90,600*	90,600*	90,600*	90,600*	36
38	81.3	234.5	88,300*	88,300*	88,300*	88,300*	38
40	80.8	234.1	86,200*	86,200*	86,200*	86,200*	40
45	79.5	233.3	80,900*	80,900*	80,900*	80,900*	45
50	78.2	232.3	76,100*	76,100*	76,100*	76,100*	50
55	76.9	231.2	71,600*	71,600*	66,300	71,600*	55
60	75.7	230.0	66,200*	66,200*	57,900	66,200*	60
65	74.4	228.6	59,100	60,900*	51,000	59,000	65
70	73.0	227.2	52,700	56,400*	45,300	52,600	70
75	71.7	225.6	47,300	52,500*	40,500	47,200	75
80	70.4	223.9	42,700	48,900	36,400	42,600	80
85	69.1	222.0	38,700	44,500	32,900	38,600	85
90	67.7	220.0	35,300	40,700	29,800	35,200	90
95	66.3	217.9	32,200	37,300	27,100	32,100	95
100	65.0	215.7	29,500	34,300	24,600	29,400	100
105	63.6	213.2	27,100	31,600	22,500	27,000	105
110	62.2	210.7	24,900	29,200	20,500	24,800	110
115	60.7	208.0	22,900	27,000	18,800	22,800	115
120	59.3	205.1	21,100	25,000	17,200	21,000	120
125	57.8	202.0	19,500	23,200	15,700	19,400	125
130	56.3	198.8	18,000	21,600	14,400	17,900	130
135	54.8	195.3	16,600	20,000	13,100	16,500	135
140	53.2	191.7	15,300	18,600	12,000	15,300	140
145	51.6	187.9	14,200	17,300	10,900	14,100	145
150	50.0	183.8	13,100	16,100	10,000	13,000	150
155	48.4	179.5	12,000	15,000	9,100	12,000	155
160	46.7	174.9	11,100	13,900	8,200	11,000	160
165	44.9	170.0	10,200	13,000	7,400	10,100	165
170	43.1	164.8	9,400	12,000	6,700	9,300	170
175	41.2	159.3	8,600	11,200	6,000	8,500	175
180	39.3	153.4	7,800	10,300	5,300	7,800	180
185	37.2	147.1	7,100	9,600	4,700	7,100	185
190	35.1	140.2	6,500	8,800	4,100	6,400	190
195	32.9	132.8	5,800	8,100	3,500	5,800	195
200	30.5	124.7	5,300	7,500	3,000	5,200	200
205	27.9	115.8	4,700	6,700*	2,500	4,600	205
210	25.1	105.7	4,100	5,700*	2,000	4,100	210
215	21.9	94.2	3,600	4,800*		3,600	215
220	18.3	80.6	3,100	3,900*		3,000	220
225	13.7	63.1	2,600	3,100*		2,600	225

Liftcrane Boom Capacities

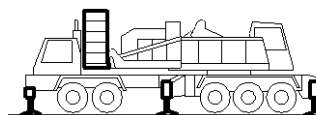
Boom No. 78T With Long Reach Top
0 Lb. to 95,400 Lb. Crane Counterweight

Without Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements

777T



238 Ft. Boom

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	95,400 Lb. Crane Counterweight		78,400 Lb. Crane Counterweight		Oper. Rad. Feet
			Boom Capacity 360 Deg. Pounds	Boom Capacity Rear Pounds	Boom Capacity 360 Deg. Pounds	Boom Capacity Rear Pounds	
38	81.7	244.6	80,000*	80,000*	80,000*	80,000*	38
40	81.2	244.3	77,900*	77,900*	77,900*	77,900*	40
45	80.0	243.4	72,900*	72,900*	72,900*	72,900*	45
50	78.7	242.5	68,200*	68,200*	68,200*	68,200*	50
55	77.5	241.4	63,800*	63,800*	63,800*	63,800*	55
60	76.3	240.3	59,700*	59,700*	57,600	59,700*	60
65	75.0	239.0	55,900*	55,900*	50,700	55,900*	65
70	73.8	237.6	52,300*	52,300*	45,000	52,300*	70
75	72.5	236.1	46,900	49,000*	40,200	46,900	75
80	71.3	234.5	42,300	45,900*	36,100	42,300	80
85	70.0	232.7	38,400	42,900*	32,500	38,300	85
90	68.7	230.8	34,900	40,100*	29,400	34,800	90
95	67.4	228.8	31,800	36,900	26,700	31,700	95
100	66.1	226.6	29,100	33,900	24,200	29,000	100
105	64.8	224.4	26,700	31,200	22,100	26,600	105
110	63.4	221.9	24,500	28,800	20,100	24,400	110
115	62.1	219.3	22,500	26,600	18,400	22,400	115
120	60.7	216.6	20,700	24,600	16,800	20,600	120
125	59.3	213.7	19,100	22,800	15,300	19,000	125
130	57.9	210.7	17,600	21,200	14,000	17,500	130
135	56.5	207.5	16,200	19,600	12,700	16,100	135
140	55.0	204.0	14,900	18,200	11,600	14,900	140
145	53.5	200.5	13,800	16,900	10,500	13,700	145
150	52.0	196.7	12,700	15,700	9,600	12,600	150
155	50.5	192.6	11,600	14,600	8,600	11,600	155
160	48.9	188.4	10,700	13,500	7,800	10,600	160
165	47.3	183.9	9,800	12,500*	7,000	9,700	165
170	45.6	179.1	9,000	11,300*	6,300	8,900	170
175	43.9	174.1	8,200	10,100*	5,600	8,100	175
180	42.1	168.7	7,400	9,000*	4,900	7,400	180
185	40.3	163.0	6,700	7,900*	4,300	6,700	185
190	38.4	156.9	6,100	6,900*	3,700	6,000	190
195	36.4	150.4	5,500	5,900*	3,100	5,400	195
200	34.3	143.4	4,900*	4,900*	2,600	4,800	200
205	32.2	135.7	4,000*	4,000*	2,100	4,000*	205
210	29.8	127.4	3,200*	3,200*		3,200*	210
215	27.3	118.2	2,400*	2,400*		2,400*	215

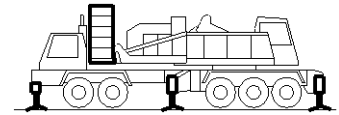
Liftcrane Boom Capacities

Boom No. 78T With Long Reach Top
0 Lb. to 95,400 Lb. Crane Counterweight

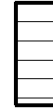
Without Front Bumper Counterweight

Rating Over Rear or 360 Degrees On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements


248 Ft. Boom


Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	95,400 Lb. Crane Counterweight	
			Boom Capacity 360 Deg. Pounds	Boom Capacity Rear Pounds
38	82.0	254.7	83,000*	83,000*
40	81.5	254.4	81,800*	81,800*
45	80.4	253.6	78,800*	78,800*
50	79.2	252.7	76,000*	76,000*
55	78.0	251.7	70,000*	70,000*
60	76.8	250.6	63,800*	63,800*
65	75.6	249.3	58,600*	58,600*
70	74.4	248.0	52,200	54,100*
75	73.2	246.6	46,800	50,200*
80	72.0	245.0	42,200	46,700*
85	70.8	243.3	38,200	43,700*
90	69.6	241.5	34,700	40,100
95	68.3	239.6	31,700	36,700
100	67.1	237.5	28,900	33,700
105	65.8	235.4	26,500	31,000
110	64.6	233.1	24,300	28,600
115	63.3	230.6	22,400	26,400
120	62.0	228.0	20,600	24,500
125	60.7	225.3	18,900	22,700
130	59.3	222.4	17,400	21,000
135	58.0	219.3	16,000	19,500
140	56.6	216.1	14,800	18,100
145	55.2	212.8	13,600	16,800
150	53.8	209.2	12,500	15,600
155	52.3	205.4	11,500	14,400
160	50.9	201.5	10,500	13,400
165	49.4	197.3	9,600	12,400
170	47.8	192.9	8,800	11,500
175	46.2	188.2	8,000	10,600
180	44.6	183.3	7,300	9,800
185	43.0	178.1	6,600	9,000
190	41.2	172.6	5,900	8,300
195	39.5	166.7	5,300	7,600
200	37.6	160.4	4,700	6,900
205	35.7	153.7	4,200	6,300
210	33.6	146.4	3,600	5,700
215	31.5	138.6	3,100	5,200
220	29.2	130.0	2,600	4,600
225	26.7	120.6	2,100	3,800*
230	24.0	110.1		2,800*
235	21.0	98.0		2,000*

258 Ft. Boom


Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	95,400 Lb. Crane Counterweight	
			Boom Capacity 360 Deg. Pounds	Boom Capacity Rear Pounds
40	81.9	264.5	77,400*	77,400*
45	80.7	263.7	74,600*	74,600*
50	79.6	262.9	72,000*	72,000*
55	78.5	261.9	68,400*	68,400*
60	77.4	260.8	62,300*	62,300*
65	76.2	259.6	57,100*	57,100*
70	75.1	258.4	51,800	52,600*
75	73.9	257.0	46,400	48,800*
80	72.8	255.5	41,700	45,400*
85	71.6	253.9	37,800	42,400*
90	70.4	252.2	34,300	39,700*
95	69.2	250.3	31,200	36,300
100	68.0	248.4	28,500	33,300
105	66.8	246.3	26,100	30,600
110	65.6	244.1	23,900	28,200
115	64.4	241.7	21,900	26,000
120	63.2	239.3	20,100	24,000
125	61.9	236.7	18,500	22,200
130	60.6	233.9	17,000	20,500
135	59.4	231.1	15,600	19,000
140	58.1	228.0	14,300	17,600
145	56.7	224.8	13,100	16,300
150	55.4	221.5	12,000	15,100
155	54.0	217.9	11,000	14,000
160	52.7	214.2	10,100	12,900
165	51.2	210.3	9,200	11,900
170	49.8	206.2	8,300	11,000
175	48.3	201.8	7,600	10,100
180	46.8	197.3	6,800	9,300
185	45.3	192.4	6,100	8,500
190	43.7	187.4	5,500	7,800
195	42.1	182.0	4,800	7,100
200	40.4	176.3	4,200	6,500
205	38.6	170.2	3,700	5,900
210	36.8	163.7	3,100	5,300
215	34.9	156.8	2,600	4,700
220	32.9	149.4	2,100	4,200
225	30.8	141.4		3,600
230	28.6	132.6		3,200
235	26.2	123.0		2,700