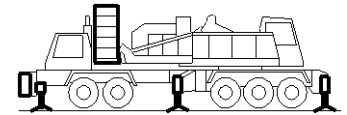


Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

777T



Boom No. 78T With Heavy Lift Top, Luffing Jib No. 139
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

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 all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom point sheaves, is considered part of main boom load. Weight of luffing jib and 2,825 Lbs. suspended beneath luffing jib point sheaves have been included in capacity determination. 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.

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 luffing jib assembly **No. 194151**, Wire Rope Specification chart **No. 8106-A** and Luffing Jib Raising Procedure chart **No. 8107-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 and luffing jib within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8103-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, 7 part luffing jib hoist reeving, two 1-1/2 luffing jib pendants, two 1-3/8 in. luffing jib backstays, 95,400 Lb. crane counterweight and 25,000 Lb. front bumper counterweight.

Luffing Jib Position During Operation	
Luffing Jib Length - Feet	Boom To Luffing Jib Angle
70	145 Degrees
80 - 90	150 Degrees
100 - 120	160 Degrees
130 - 170	168 Degrees

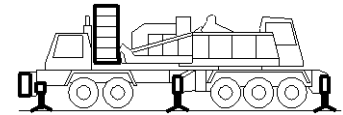
Consult Chart **No. 8100-A** for luffing jib capacities.



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Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements



Boom No. 78T With Heavy Lift Top, Luffing Jib No. 139
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

70 Ft. Luffing Jib, Attached At 145 Degree Boom To Luffing Jib Angle

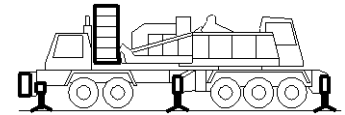
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
60 Ft. BOOM			
14	82.2	68.2	322,700 *
15	81.3	68.0	300,900 *
16	80.3	67.8	281,600 *
17	79.3	67.6	264,400 *
18	78.3	67.4	249,000 *
19	77.3	67.1	235,000 *
20	76.4	66.8	222,400 *
22	74.4	66.2	200,400 *
24	72.3	65.5	181,800 *
26	70.3	64.8	165,700 *
28	68.2	63.9	150,600 *
30	66.1	63.0	137,600 *
32	64.0	61.9	126,300 *
34	61.8	60.8	116,400 *
36	59.5	59.6	107,600 *
38	57.2	58.2	99,800 *
40	54.9	56.8	92,800 *
45	48.6	52.5	78,100 *
50	41.6	47.1	64,200 *
70 Ft. BOOM			
15	82.5	78.2	275,600 *
16	81.7	78.0	273,900 *
17	80.9	77.8	264,900 *
18	80.0	77.6	249,500 *
19	79.2	77.4	235,600 *
20	78.4	77.2	223,000 *
22	76.7	76.6	201,000 *
24	75.0	76.1	182,400 *
26	73.2	75.4	166,600 *
28	71.5	74.7	151,500 *
30	69.7	73.9	138,500 *
32	68.0	73.1	127,200 *
34	66.2	72.1	117,300 *
36	64.3	71.1	108,500 *
38	62.5	70.0	100,700 *
40	60.6	68.9	93,700 *
45	55.6	65.5	79,000 *
50	50.4	61.5	65,900 *
55	44.6	56.6	54,000 *
60	38.2	50.5	44,600 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
16	82.7	88.1	254,100 *
17	82.0	88.0	251,900 *
18	81.3	87.8	244,000 *
19	80.6	87.6	233,800 *
20	79.8	87.4	222,900 *
22	78.4	87.0	201,000 *
24	76.9	86.4	182,500 *
26	75.4	85.9	166,700 *
28	73.9	85.3	151,800 *
30	72.4	84.6	138,800 *
32	70.9	83.9	127,600 *
34	69.3	83.1	117,700 *
36	67.8	82.2	108,900 *
38	66.2	81.3	101,100 *
40	64.6	80.3	94,100 *
45	60.5	77.5	79,400 *
50	56.2	74.2	66,800 *
55	51.7	70.3	55,000 *
60	46.8	65.8	45,600 *
65	41.5	60.3	37,900 *
70	35.5	53.6	31,500 *
90 Ft. BOOM			
17	82.9	98.1	243,500 *
18	82.3	97.9	233,700 *
19	81.6	97.8	224,400 *
20	81.0	97.6	215,800 *
22	79.7	97.2	200,000 *
24	78.4	96.8	182,800 *
26	77.1	96.3	167,000 *
28	75.7	95.7	152,300 *
30	74.4	95.1	139,400 *
32	73.1	94.5	128,100 *
34	71.7	93.8	118,200 *
36	70.4	93.0	109,400 *
38	69.0	92.2	101,600 *
40	67.6	91.4	94,600 *
45	64.1	89.0	79,900 *
50	60.4	86.2	67,800 *
55	56.6	82.9	55,900 *
60	52.7	79.2	46,500 *
65	48.5	74.8	38,800 *
70	43.9	69.8	32,400 *
75	39.0	63.8	27,000 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
18	83.0	108.1	212,300 *
19	82.5	107.9	204,200 *
20	81.9	107.7	196,700 *
22	80.7	107.4	182,700 *
24	79.6	107.0	170,300 *
26	78.4	106.5	158,900 *
28	77.2	106.1	148,900 *
30	76.0	105.5	139,600 *
32	74.8	105.0	128,300 *
34	73.6	104.3	118,400 *
36	72.4	103.7	109,700 *
38	71.2	103.0	101,800 *
40	70.0	102.2	94,800 *
45	66.9	100.1	80,100 *
50	63.7	97.6	68,400 *
55	60.4	94.8	56,500 *
60	57.0	91.6	47,000 *
65	53.4	88.0	39,300 *
70	49.7	83.8	32,800 *
75	45.8	79.0	27,400 *
80	41.5	73.5	22,800 *
85	36.8	67.1	18,800 *
110 Ft. BOOM			
20	82.6	117.9	181,800 *
22	81.6	117.5	169,500 *
24	80.5	117.2	158,400 *
26	79.5	116.8	148,300 *
28	78.4	116.3	139,200 *
30	77.3	115.9	130,900 *
32	76.2	115.4	123,200 *
34	75.2	114.8	116,100 *
36	74.1	114.2	109,500 *
38	73.0	113.6	102,100 *
40	71.9	112.9	95,000 *
45	69.1	111.0	80,300 *
50	66.3	108.8	68,600 *
55	63.3	106.3	57,000 *
60	60.4	103.5	47,500 *
65	57.3	100.3	39,700 *
70	54.1	96.7	33,300 *
75	50.7	92.7	27,900 *
80	47.2	88.2	23,200 *
85	43.5	83.0	19,200 *
90	39.4	77.1	15,700 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements



Boom No. 78T With Heavy Lift Top, Luffing Jib No. 139
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

70 Ft. Luffing Jib, Attached At 145 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
22	82.3	127.7	162,600 *
24	81.3	127.3	151,600 *
26	80.3	127.0	141,700 *
28	79.4	126.6	132,700 *
30	78.4	126.1	124,500 *
32	77.4	125.7	116,900 *
34	76.4	125.2	110,000 *
36	75.4	124.6	103,700 *
38	74.4	124.0	97,700 *
40	73.4	123.4	92,200 *
45	70.9	121.7	79,700 *
50	68.4	119.7	69,100 *
55	65.7	117.5	57,800 *
60	63.1	115.0	48,200 *
65	60.3	112.2	40,400 *
70	57.5	109.0	34,000 *
75	54.6	105.5	28,500 *
80	51.6	101.6	23,900 *
85	48.4	97.2	19,900 *
90	45.0	92.3	16,300 *
95	41.5	86.8	13,200 *
100	37.6	80.5	10,500 *
130 Ft. BOOM			
22	82.9	137.8	154,200 *
24	82.0	137.5	144,700 *
26	81.1	137.1	136,100 *
28	80.2	136.8	128,100 *
30	79.3	136.4	119,900 *
32	78.4	135.9	112,400 *
34	77.5	135.5	105,600 *
36	76.6	135.0	99,300 *
38	75.7	134.4	93,500 *
40	74.8	133.9	88,100 *
45	72.5	132.3	76,100 *
50	70.1	130.5	65,900 *
55	67.7	128.5	57,200 *
60	65.3	126.2	48,400 *
65	62.8	123.6	40,500 *
70	60.3	120.8	34,100 *
75	57.7	117.7	28,600 *
80	55.0	114.2	23,900 *
85	52.2	110.4	19,900 *
90	49.4	106.2	16,400 *
95	46.3	101.5	13,300 *
100	43.1	96.2	10,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
24	82.6	147.6	137,200 *
26	81.7	147.3	128,800 *
28	80.9	146.9	121,000 *
30	80.1	146.6	113,600 *
32	79.2	146.2	106,400 *
34	78.4	145.7	99,800 *
36	77.6	145.3	93,700 *
38	76.7	144.8	88,100 *
40	75.9	144.3	82,900 *
45	73.7	142.8	71,500 *
50	71.6	141.2	61,800 *
55	69.4	139.3	53,500 *
60	67.2	137.2	46,300 *
65	64.9	134.9	40,200 *
70	62.6	132.3	34,100 *
75	60.3	129.5	28,700 *
80	57.9	126.4	24,000 *
85	55.4	122.9	19,900 *
90	52.8	119.2	16,400 *
95	50.2	115.1	13,300 *
100	47.4	110.5	10,500 *
150 Ft. BOOM			
26	82.3	157.4	137,800 *
28	81.5	157.1	137,800 *
30	80.7	156.7	130,900 *
32	80.0	156.4	120,700 *
34	79.2	156.0	111,800 *
36	78.4	155.5	104,000 *
38	77.6	155.1	97,000 *
40	76.8	154.6	90,800 *
45	74.9	153.2	77,800 *
50	72.9	151.7	67,400 *
55	70.8	150.0	57,300 *
60	68.8	148.1	47,600 *
65	66.7	145.9	39,800 *
70	64.6	143.6	33,200 *
75	62.5	141.0	27,700 *
80	60.3	138.1	23,000 *
85	58.0	135.0	18,900 *
90	55.7	131.7	15,400 *
95	53.3	128.0	12,200 *

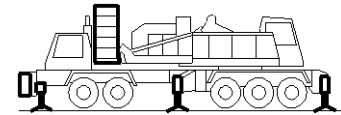
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
26	82.8	167.5	134,600 *
28	82.1	167.2	134,600 *
30	81.3	166.9	128,200 *
32	80.6	166.5	118,100 *
34	79.9	166.2	109,200 *
36	79.1	165.8	101,500 *
38	78.4	165.3	94,600 *
40	77.7	164.9	88,500 *
45	75.8	163.6	75,600 *
50	74.0	162.2	65,300 *
55	72.1	160.6	56,900 *
60	70.2	158.8	47,500 *
65	68.3	156.8	39,600 *
70	66.3	154.6	33,100 *
75	64.3	152.2	27,500 *
80	62.3	149.6	22,800 *
85	60.2	146.8	18,700 *
90	58.1	143.7	15,200 *
95	56.0	140.4	12,000 *



777T

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements



Boom No. 78T With Heavy Lift Top, Luffing Jib No. 139
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

80 Ft. Luffing Jib, Attached At 150 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
60 Ft. BOOM			
14	82.2	68.2	320,600 *
15	81.3	68.0	298,800 *
16	80.3	67.8	279,500 *
17	79.3	67.6	262,200 *
18	78.3	67.4	246,800 *
19	77.3	67.1	232,800 *
20	76.4	66.8	220,200 *
22	74.4	66.2	198,100 *
24	72.3	65.5	179,600 *
26	70.3	64.8	163,300 *
28	68.2	63.9	148,200 *
30	66.1	63.0	135,200 *
32	64.0	61.9	123,900 *
34	61.8	60.8	114,000 *
36	59.5	59.6	105,200 *
38	57.2	58.2	97,400 *
40	54.9	56.8	90,400 *
45	48.6	52.5	75,600 *
50	41.6	47.1	61,100 *
70 Ft. BOOM			
15	82.5	78.2	276,700 *
16	81.7	78.0	274,900 *
17	80.9	77.8	262,900 *
18	80.0	77.6	247,500 *
19	79.2	77.4	233,600 *
20	78.4	77.2	220,900 *
22	76.7	76.6	198,900 *
24	75.0	76.1	180,400 *
26	73.2	75.4	164,400 *
28	71.5	74.7	149,300 *
30	69.7	73.9	136,300 *
32	68.0	73.1	125,000 *
34	66.2	72.1	115,100 *
36	64.3	71.1	106,300 *
38	62.5	70.0	98,500 *
40	60.6	68.9	91,500 *
45	55.6	65.5	76,800 *
50	50.4	61.5	63,100 *
55	44.6	56.6	51,400 *
60	38.2	50.5	42,000 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
16	82.7	88.1	255,200 *
17	82.0	88.0	252,900 *
18	81.3	87.8	245,600 *
19	80.6	87.6	233,600 *
20	79.8	87.4	221,000 *
22	78.4	87.0	199,100 *
24	76.9	86.4	180,500 *
26	75.4	85.9	164,700 *
28	73.9	85.3	149,700 *
30	72.4	84.6	136,800 *
32	70.9	83.9	125,500 *
34	69.3	83.1	115,600 *
36	67.8	82.2	106,800 *
38	66.2	81.3	99,000 *
40	64.6	80.3	92,000 *
45	60.5	77.5	77,300 *
50	56.2	74.2	64,300 *
55	51.7	70.3	52,500 *
60	46.8	65.8	43,100 *
65	41.5	60.3	35,500 *
70	35.5	53.6	29,200 *
90 Ft. BOOM			
17	82.9	98.1	245,100 *
18	82.3	97.9	235,200 *
19	81.6	97.8	225,900 *
20	81.0	97.6	217,200 *
22	79.7	97.2	199,500 *
24	78.4	96.8	181,000 *
26	77.1	96.3	165,200 *
28	75.7	95.7	150,400 *
30	74.4	95.1	137,400 *
32	73.1	94.5	126,100 *
34	71.7	93.8	116,200 *
36	70.4	93.0	107,500 *
38	69.0	92.2	99,700 *
40	67.6	91.4	92,700 *
45	64.1	89.0	78,000 *
50	60.4	86.2	65,500 *
55	56.6	82.9	53,600 *
60	52.7	79.2	44,200 *
65	48.5	74.8	36,500 *
70	43.9	69.8	30,200 *
75	39.0	63.8	24,800 *

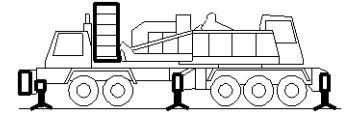
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
18	83.0	108.1	213,700 *
19	82.5	107.9	205,600 *
20	81.9	107.7	198,000 *
22	80.7	107.4	184,000 *
24	79.6	107.0	171,400 *
26	78.4	106.5	160,100 *
28	77.2	106.1	150,000 *
30	76.0	105.5	137,800 *
32	74.8	105.0	126,500 *
34	73.6	104.3	116,600 *
36	72.4	103.7	107,800 *
38	71.2	103.0	100,000 *
40	70.0	102.2	93,000 *
45	66.9	100.1	78,300 *
50	63.7	97.6	66,300 *
55	60.4	94.8	54,300 *
60	57.0	91.6	44,900 *
65	53.4	88.0	37,200 *
70	49.7	83.8	30,800 *
75	45.8	79.0	25,400 *
80	41.5	73.5	20,800 *
85	36.8	67.1	16,800 *
110 Ft. BOOM			
20	82.6	117.9	183,000 *
22	81.6	117.5	170,700 *
24	80.5	117.2	159,500 *
26	79.5	116.8	149,400 *
28	78.4	116.3	140,200 *
30	77.3	115.9	131,800 *
32	76.2	115.4	124,000 *
34	75.2	114.8	116,900 *
36	74.1	114.2	108,100 *
38	73.0	113.6	100,300 *
40	71.9	112.9	93,300 *
45	69.1	111.0	78,600 *
50	66.3	108.8	66,900 *
55	63.3	106.3	55,000 *
60	60.4	103.5	45,500 *
65	57.3	100.3	37,700 *
70	54.1	96.7	31,300 *
75	50.7	92.7	25,900 *
80	47.2	88.2	21,300 *
85	43.5	83.0	17,300 *
90	39.4	77.1	13,800 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

777T

Boom No. 78T With Heavy Lift Top, Luffing Jib No. 139
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers



80 Ft. Luffing Jib, Attached At 150 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
22	82.3	127.7	163,700 *
24	81.3	127.3	152,700 *
26	80.3	127.0	142,700 *
28	79.4	126.6	133,600 *
30	78.4	126.1	125,400 *
32	77.4	125.7	117,800 *
34	76.4	125.2	110,900 *
36	75.4	124.6	104,500 *
38	74.4	124.0	98,400 *
40	73.4	123.4	92,900 *
45	70.9	121.7	79,100 *
50	68.4	119.7	67,500 *
55	65.7	117.5	55,800 *
60	63.1	115.0	46,300 *
65	60.3	112.2	38,500 *
70	57.5	109.0	32,100 *
75	54.6	105.5	26,700 *
80	51.6	101.6	22,000 *
85	48.4	97.2	18,000 *
90	45.0	92.3	14,500 *
95	41.5	86.8	11,400 *
130 Ft. BOOM			
22	82.9	137.8	155,200 *
24	82.0	137.5	145,700 *
26	81.1	137.1	137,000 *
28	80.2	136.8	129,000 *
30	79.3	136.4	120,800 *
32	78.4	135.9	113,300 *
34	77.5	135.5	106,400 *
36	76.6	135.0	100,000 *
38	75.7	134.4	94,200 *
40	74.8	133.9	88,800 *
45	72.5	132.3	76,700 *
50	70.1	130.5	66,400 *
55	67.7	128.5	56,100 *
60	65.3	126.2	46,500 *
65	62.8	123.6	38,700 *
70	60.3	120.8	32,200 *
75	57.7	117.7	26,800 *
80	55.0	114.2	22,100 *
85	52.2	110.4	18,100 *
90	49.4	106.2	14,600 *
95	46.3	101.5	11,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
24	82.6	147.6	138,200 *
26	81.7	147.3	129,700 *
28	80.9	146.9	121,900 *
30	80.1	146.6	114,500 *
32	79.2	146.2	107,200 *
34	78.4	145.7	100,600 *
36	77.6	145.3	94,400 *
38	76.7	144.8	88,800 *
40	75.9	144.3	83,600 *
45	73.7	142.8	72,100 *
50	71.6	141.2	62,300 *
55	69.4	139.3	54,000 *
60	67.2	137.2	46,700 *
65	64.9	134.9	38,900 *
70	62.6	132.3	32,400 *
75	60.3	129.5	26,900 *
80	57.9	126.4	22,200 *
85	55.4	122.9	18,200 *
90	52.8	119.2	14,700 *
95	50.2	115.1	11,600 *
150 Ft. BOOM			
26	82.3	157.4	138,500 *
28	81.5	157.1	138,500 *
30	80.7	156.7	128,900 *
32	80.0	156.4	118,700 *
34	79.2	156.0	109,800 *
36	78.4	155.5	102,000 *
38	77.6	155.1	95,100 *
40	76.8	154.6	88,900 *
45	74.9	153.2	75,900 *
50	72.9	151.7	65,500 *
55	70.8	150.0	55,600 *
60	68.8	148.1	45,900 *
65	66.7	145.9	38,000 *
70	64.6	143.6	31,500 *
75	62.5	141.0	26,000 *
80	60.3	138.1	21,300 *
85	58.0	135.0	17,300 *
90	55.7	131.7	13,700 *
95	53.3	128.0	10,600 *

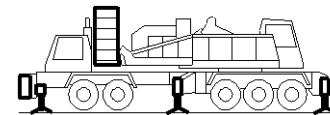
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
26	82.8	167.5	135,400 *
28	82.1	167.2	135,400 *
30	81.3	166.9	126,200 *
32	80.6	166.5	116,100 *
34	79.9	166.2	107,300 *
36	79.1	165.8	99,500 *
38	78.4	165.3	92,700 *
40	77.7	164.9	86,500 *
45	75.8	163.6	73,700 *
50	74.0	162.2	63,500 *
55	72.1	160.6	55,100 *
60	70.2	158.8	45,800 *
65	68.3	156.8	37,900 *
70	66.3	154.6	31,400 *
75	64.3	152.2	25,900 *
80	62.3	149.6	21,200 *
85	60.2	146.8	17,100 *
90	58.1	143.7	13,600 *
95	56.0	140.4	10,400 *



777T

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements



Boom No. 78T With Heavy Lift Top, Luffing Jib No. 139
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

90 Ft. Luffing Jib, Attached At 150 Degree Boom To Luffing Jib Angle

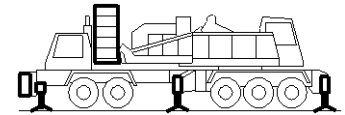
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
60 Ft. BOOM			
14	82.2	68.2	316,500 *
15	81.3	68.0	294,900 *
16	80.3	67.8	275,700 *
17	79.3	67.6	258,600 *
18	78.3	67.4	243,200 *
19	77.3	67.1	229,400 *
20	76.4	66.8	216,800 *
22	74.4	66.2	194,900 *
24	72.3	65.5	176,500 *
26	70.3	64.8	160,000 *
28	68.2	63.9	145,000 *
30	66.1	63.0	132,200 *
32	64.0	61.9	121,000 *
34	61.8	60.8	111,100 *
36	59.5	59.6	102,400 *
38	57.2	58.2	94,700 *
40	54.9	56.8	87,800 *
45	48.6	52.5	73,000
50	41.6	47.1	58,200
70 Ft. BOOM			
15	82.5	78.2	272,100 *
16	81.7	78.0	270,200 *
17	80.9	77.8	259,400 *
18	80.0	77.6	244,000 *
19	79.2	77.4	230,200 *
20	78.4	77.2	217,700 *
22	76.7	76.6	195,800 *
24	75.0	76.1	177,400 *
26	73.2	75.4	161,300 *
28	71.5	74.7	146,300 *
30	69.7	73.9	133,400 *
32	68.0	73.1	122,200 *
34	66.2	72.1	112,400 *
36	64.3	71.1	103,700 *
38	62.5	70.0	95,900 *
40	60.6	68.9	89,000 *
45	55.6	65.5	74,400 *
50	50.4	61.5	60,300
55	44.6	56.6	48,700
60	38.2	50.5	39,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
16	82.7	88.1	250,700 *
17	82.0	88.0	248,400 *
18	81.3	87.8	239,800 *
19	80.6	87.6	229,700 *
20	79.8	87.4	217,800 *
22	78.4	87.0	196,000 *
24	76.9	86.4	177,700 *
26	75.4	85.9	161,800 *
28	73.9	85.3	146,800 *
30	72.4	84.6	134,000 *
32	70.9	83.9	122,800 *
34	69.3	83.1	113,000 *
36	67.8	82.2	104,300 *
38	66.2	81.3	96,600 *
40	64.6	80.3	89,600 *
45	60.5	77.5	75,100 *
50	56.2	74.2	61,500
55	51.7	70.3	49,900
60	46.8	65.8	40,700
65	41.5	60.3	33,200
70	35.5	53.6	27,000
90 Ft. BOOM			
17	82.9	98.1	239,700 *
18	82.3	97.9	229,900 *
19	81.6	97.8	220,700 *
20	81.0	97.6	212,000 *
22	79.7	97.2	196,500 *
24	78.4	96.8	178,200 *
26	77.1	96.3	162,500 *
28	75.7	95.7	147,600 *
30	74.4	95.1	134,700 *
32	73.1	94.5	123,500 *
34	71.7	93.8	113,700 *
36	70.4	93.0	105,000 *
38	69.0	92.2	97,300 *
40	67.6	91.4	90,400 *
45	64.1	89.0	75,800 *
50	60.4	86.2	62,800
55	56.6	82.9	51,100
60	52.7	79.2	41,800
65	48.5	74.8	34,300
70	43.9	69.8	28,000
75	39.0	63.8	22,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
18	83.0	108.1	208,800 *
19	82.5	107.9	200,800 *
20	81.9	107.7	193,200 *
22	80.7	107.4	179,300 *
24	79.6	107.0	166,900 *
26	78.4	106.5	155,600 *
28	77.2	106.1	145,600 *
30	76.0	105.5	135,100 *
32	74.8	105.0	123,900 *
34	73.6	104.3	114,100 *
36	72.4	103.7	105,400 *
38	71.2	103.0	97,700 *
40	70.0	102.2	90,700 *
45	66.9	100.1	76,200 *
50	63.7	97.6	63,700
55	60.4	94.8	51,900
60	57.0	91.6	42,600
65	53.4	88.0	35,000
70	49.7	83.8	28,700
75	45.8	79.0	23,400
80	41.5	73.5	18,900
85	36.8	67.1	15,000
110 Ft. BOOM			
20	82.6	117.9	178,600 *
22	81.6	117.5	166,300 *
24	80.5	117.2	155,200 *
26	79.5	116.8	145,200 *
28	78.4	116.3	136,100 *
30	77.3	115.9	127,700 *
32	76.2	115.4	119,900 *
34	75.2	114.8	113,000 *
36	74.1	114.2	105,800 *
38	73.0	113.6	98,000 *
40	71.9	112.9	91,100 *
45	69.1	111.0	76,500 *
50	66.3	108.8	64,400
55	63.3	106.3	52,600
60	60.4	103.5	43,200
65	57.3	100.3	35,600
70	54.1	96.7	29,300
75	50.7	92.7	24,000
80	47.2	88.2	19,400
85	43.5	83.0	15,500
90	39.4	77.1	12,100

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements



Boom No. 78T With Heavy Lift Top, Luffing Jib No. 139
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

90 Ft. Luffing Jib, Attached At 150 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
22	82.3	127.7	159,500 *
24	81.3	127.3	148,600 *
26	80.3	127.0	138,700 *
28	79.4	126.6	129,700 *
30	78.4	126.1	121,500 *
32	77.4	125.7	114,000 *
34	76.4	125.2	107,100 *
36	75.4	124.6	100,800 *
38	74.4	124.0	94,800 *
40	73.4	123.4	89,200 *
45	70.9	121.7	76,900 *
50	68.4	119.7	65,300
55	65.7	117.5	53,500
60	63.1	115.0	44,100
65	60.3	112.2	36,500
70	57.5	109.0	30,100
75	54.6	105.5	24,800
80	51.6	101.6	20,200
85	48.4	97.2	16,300
90	45.0	92.3	12,800
130 Ft. BOOM			
22	82.9	137.8	151,300 *
24	82.0	137.5	141,900 *
26	81.1	137.1	133,300 *
28	80.2	136.8	125,200 *
30	79.3	136.4	117,000 *
32	78.4	135.9	109,600 *
34	77.5	135.5	102,700 *
36	76.6	135.0	96,500 *
38	75.7	134.4	90,700 *
40	74.8	133.9	85,300 *
45	72.5	132.3	73,300 *
50	70.1	130.5	63,200 *
55	67.7	128.5	53,800
60	65.3	126.2	44,400
65	62.8	123.6	36,700
70	60.3	120.8	30,300
75	57.7	117.7	25,000
80	55.0	114.2	20,400
85	52.2	110.4	16,400
90	49.4	106.2	13,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
24	82.6	147.6	134,500 *
26	81.7	147.3	126,100 *
28	80.9	146.9	118,300 *
30	80.1	146.6	110,900 *
32	79.2	146.2	103,700 *
34	78.4	145.7	97,100 *
36	77.6	145.3	91,000 *
38	76.7	144.8	85,400 *
40	75.9	144.3	80,200 *
45	73.7	142.8	68,800 *
50	71.6	141.2	59,200 *
55	69.4	139.3	50,900 *
60	67.2	137.2	43,800 *
65	64.9	134.9	36,900
70	62.6	132.3	30,500
75	60.3	129.5	25,100
80	57.9	126.4	20,500
85	55.4	122.9	16,500
90	52.8	119.2	13,100
95	50.2	115.1	10,000
150 Ft. BOOM			
26	82.3	157.4	135,200 *
28	81.5	157.1	135,200 *
30	80.7	156.7	125,600 *
32	80.0	156.4	115,600 *
34	79.2	156.0	106,800 *
36	78.4	155.5	99,100 *
38	77.6	155.1	92,300 *
40	76.8	154.6	86,200 *
45	74.9	153.2	73,400 *
50	72.9	151.7	63,200 *
55	70.8	150.0	53,400
60	68.8	148.1	43,900
65	66.7	145.9	36,100
70	64.6	143.6	29,700
75	62.5	141.0	24,200
80	60.3	138.1	19,600
85	58.0	135.0	15,600
90	55.7	131.7	12,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
26	82.8	167.5	132,100 *
28	82.1	167.2	132,100 *
30	81.3	166.9	123,000 *
32	80.6	166.5	113,000 *
34	79.9	166.2	104,300 *
36	79.1	165.8	96,700 *
38	78.4	165.3	90,000 *
40	77.7	164.9	83,900 *
45	75.8	163.6	71,300 *
50	74.0	162.2	61,200 *
55	72.1	160.6	52,900 *
60	70.2	158.8	43,800
65	68.3	156.8	36,000
70	66.3	154.6	29,600
75	64.3	152.2	24,100
80	62.3	149.6	19,500
85	60.2	146.8	15,500
90	58.1	143.7	12,000

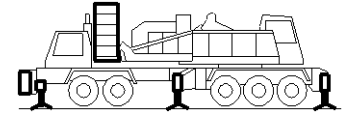


Liftcrane Boom Capacities With Luffing Jib Attached

Boom No. 78T With Heavy Lift Top, Luffing Jib No. 139
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements

777T



100 Ft. Luffing Jib, Attached At 160 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
60 Ft. BOOM			
14	82.2	68.2	319,300 *
15	81.3	68.0	297,300 *
16	80.3	67.8	277,800 *
17	79.3	67.6	260,400 *
18	78.3	67.4	244,700 *
19	77.3	67.1	230,700 *
20	76.4	66.8	217,900 *
22	74.4	66.2	195,600 *
24	72.3	65.5	176,800 *
26	70.3	64.8	160,200 *
28	68.2	63.9	144,900 *
30	66.1	63.0	131,800 *
32	64.0	61.9	120,400 *
34	61.8	60.8	110,400 *
36	59.5	59.6	101,500 *
38	57.2	58.2	93,600 *
40	54.9	56.8	86,500 *
45	48.6	52.5	71,100
50	41.6	47.1	55,800
70 Ft. BOOM			
15	82.5	78.2	272,900 *
16	81.7	78.0	271,000 *
17	80.9	77.8	261,400 *
18	80.0	77.6	245,800 *
19	79.2	77.4	231,700 *
20	78.4	77.2	219,000 *
22	76.7	76.6	196,700 *
24	75.0	76.1	178,000 *
26	73.2	75.4	161,700 *
28	71.5	74.7	146,500 *
30	69.7	73.9	133,400 *
32	68.0	73.1	122,000 *
34	66.2	72.1	112,000 *
36	64.3	71.1	103,100 *
38	62.5	70.0	95,200 *
40	60.6	68.9	88,100 *
45	55.6	65.5	73,200 *
50	50.4	61.5	58,600
55	44.6	56.6	46,700
60	38.2	50.5	37,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
16	82.7	88.1	251,600 *
17	82.0	88.0	249,200 *
18	81.3	87.8	241,600 *
19	80.6	87.6	231,300 *
20	79.8	87.4	219,300 *
22	78.4	87.0	197,200 *
24	76.9	86.4	178,500 *
26	75.4	85.9	162,500 *
28	73.9	85.3	147,300 *
30	72.4	84.6	134,200 *
32	70.9	83.9	122,800 *
34	69.3	83.1	112,800 *
36	67.8	82.2	104,000 *
38	66.2	81.3	96,100 *
40	64.6	80.3	89,100 *
45	60.5	77.5	74,200 *
50	56.2	74.2	60,300
55	51.7	70.3	48,400
60	46.8	65.8	39,000
65	41.5	60.3	31,300
70	35.5	53.6	24,900
90 Ft. BOOM			
17	82.9	98.1	241,500 *
18	82.3	97.9	231,500 *
19	81.6	97.8	222,200 *
20	81.0	97.6	213,400 *
22	79.7	97.2	197,500 *
24	78.4	96.8	179,200 *
26	77.1	96.3	163,200 *
28	75.7	95.7	148,200 *
30	74.4	95.1	135,100 *
32	73.1	94.5	123,800 *
34	71.7	93.8	113,800 *
36	70.4	93.0	104,900 *
38	69.0	92.2	97,100 *
40	67.6	91.4	90,000 *
45	64.1	89.0	75,200 *
50	60.4	86.2	61,900
55	56.6	82.9	50,000
60	52.7	79.2	40,500
65	48.5	74.8	32,800
70	43.9	69.8	26,400
75	39.0	63.8	21,000

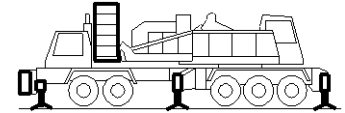
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
18	83.0	108.1	210,300 *
19	82.5	107.9	202,200 *
20	81.9	107.7	194,500 *
22	80.7	107.4	180,400 *
24	79.6	107.0	167,800 *
26	78.4	106.5	156,300 *
28	77.2	106.1	146,200 *
30	76.0	105.5	135,700 *
32	74.8	105.0	124,300 *
34	73.6	104.3	114,300 *
36	72.4	103.7	105,500 *
38	71.2	103.0	97,600 *
40	70.0	102.2	90,600 *
45	66.9	100.1	75,700 *
50	63.7	97.6	63,000
55	60.4	94.8	51,000
60	57.0	91.6	41,500
65	53.4	88.0	33,700
70	49.7	83.8	27,300
75	45.8	79.0	21,900
80	41.5	73.5	17,200
85	36.8	67.1	13,200
110 Ft. BOOM			
20	82.6	117.9	179,900 *
22	81.6	117.5	167,400 *
24	80.5	117.2	156,200 *
26	79.5	116.8	146,000 *
28	78.4	116.3	136,700 *
30	77.3	115.9	128,300 *
32	76.2	115.4	120,500 *
34	75.2	114.8	113,300 *
36	74.1	114.2	106,000 *
38	73.0	113.6	98,100 *
40	71.9	112.9	91,000 *
45	69.1	111.0	76,200 *
50	66.3	108.8	64,000
55	63.3	106.3	51,900
60	60.4	103.5	42,400
65	57.3	100.3	34,600
70	54.1	96.7	28,100
75	50.7	92.7	22,700
80	47.2	88.2	18,000
85	43.5	83.0	14,000
90	39.4	77.1	10,500

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

777T

Boom No. 78T With Heavy Lift Top, Luffing Jib No. 139
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers



100 Ft. Luffing Jib, Attached At 160 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
22	82.3	127.7	160,600 *
24	81.3	127.3	149,500 *
26	80.3	127.0	139,500 *
28	79.4	126.6	130,300 *
30	78.4	126.1	122,000 *
32	77.4	125.7	114,400 *
34	76.4	125.2	107,500 *
36	75.4	124.6	101,000 *
38	74.4	124.0	95,000 *
40	73.4	123.4	89,200 *
45	70.9	121.7	76,900 *
50	68.4	119.7	65,000
55	65.7	117.5	53,000
60	63.1	115.0	43,400
65	60.3	112.2	35,600
70	57.5	109.0	29,100
75	54.6	105.5	23,600
80	51.6	101.6	19,000
85	48.4	97.2	14,900
90	45.0	92.3	11,400
130 Ft. BOOM			
22	82.9	137.8	152,300 *
24	82.0	137.5	142,700 *
26	81.1	137.1	134,000 *
28	80.2	136.8	125,900 *
30	79.3	136.4	117,600 *
32	78.4	135.9	110,100 *
34	77.5	135.5	103,100 *
36	76.6	135.0	96,800 *
38	75.7	134.4	90,900 *
40	74.8	133.9	85,400 *
45	72.5	132.3	73,300 *
50	70.1	130.5	63,000 *
55	67.7	128.5	53,400
60	65.3	126.2	43,800
65	62.8	123.6	35,900
70	60.3	120.8	29,400
75	57.7	117.7	24,000
80	55.0	114.2	19,300
85	52.2	110.4	15,200
90	49.4	106.2	11,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
24	82.6	147.6	135,300 *
26	81.7	147.3	126,800 *
28	80.9	146.9	119,000 *
30	80.1	146.6	111,500 *
32	79.2	146.2	104,200 *
34	78.4	145.7	97,500 *
36	77.6	145.3	91,300 *
38	76.7	144.8	85,600 *
40	75.9	144.3	80,400 *
45	73.7	142.8	68,800 *
50	71.6	141.2	59,000 *
55	69.4	139.3	50,600 *
60	67.2	137.2	43,400 *
65	64.9	134.9	36,300
70	62.6	132.3	29,700
75	60.3	129.5	24,200
80	57.9	126.4	19,500
85	55.4	122.9	15,500
90	52.8	119.2	11,900
150 Ft. BOOM			
26	82.3	157.4	135,800 *
28	81.5	157.1	135,800 *
30	80.7	156.7	127,000 *
32	80.0	156.4	116,700 *
34	79.2	156.0	107,700 *
36	78.4	155.5	99,800 *
38	77.6	155.1	92,800 *
40	76.8	154.6	86,600 *
45	74.9	153.2	73,500 *
50	72.9	151.7	63,000 *
55	70.8	150.0	53,100 *
60	68.8	148.1	43,500
65	66.7	145.9	35,600
70	64.6	143.6	29,000
75	62.5	141.0	23,500
80	60.3	138.1	18,800
85	58.0	135.0	14,700
90	55.7	131.7	11,100

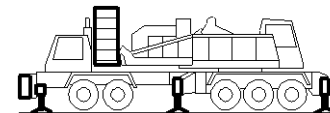
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
26	82.8	167.5	132,700 *
28	82.1	167.2	132,700 *
30	81.3	166.9	124,400 *
32	80.6	166.5	114,200 *
34	79.9	166.2	105,300 *
36	79.1	165.8	97,500 *
38	78.4	165.3	90,600 *
40	77.7	164.9	84,400 *
45	75.8	163.6	71,400 *
50	74.0	162.2	61,100 *
55	72.1	160.6	52,600 *
60	70.2	158.8	43,500
65	68.3	156.8	35,600
70	66.3	154.6	29,000
75	64.3	152.2	23,500
80	62.3	149.6	18,700
85	60.2	146.8	14,600
90	58.1	143.7	11,100



777T

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements



Boom No. 78T With Heavy Lift Top, Luffing Jib No. 139
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

110 Ft. Luffing Jib, Attached At 160 Degree Boom To Luffing Jib Angle

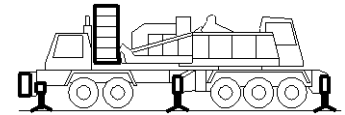
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
60 Ft. BOOM			
14	82.2	68.2	316,600 *
15	81.3	68.0	294,600 *
16	80.3	67.8	275,200 *
17	79.3	67.6	257,800 *
18	78.3	67.4	242,300 *
19	77.3	67.1	228,300 *
20	76.4	66.8	215,500 *
22	74.4	66.2	193,300 *
24	72.3	65.5	174,600 *
26	70.3	64.8	157,800 *
28	68.2	63.9	142,600 *
30	66.1	63.0	129,600 *
32	64.0	61.9	118,200 *
34	61.8	60.8	108,300 *
36	59.5	59.6	99,400 *
38	57.2	58.2	91,600 *
40	54.9	56.8	84,500 *
45	48.6	52.5	68,500 *
50	41.6	47.1	53,500 *
70 Ft. BOOM			
15	82.5	78.2	271,200 *
16	81.7	78.0	269,200 *
17	80.9	77.8	259,000 *
18	80.0	77.6	243,400 *
19	79.2	77.4	229,400 *
20	78.4	77.2	216,700 *
22	76.7	76.6	194,600 *
24	75.0	76.1	175,900 *
26	73.2	75.4	159,500 *
28	71.5	74.7	144,400 *
30	69.7	73.9	131,300 *
32	68.0	73.1	120,000 *
34	66.2	72.1	110,000 *
36	64.3	71.1	101,200 *
38	62.5	70.0	93,300 *
40	60.6	68.9	86,300 *
45	55.6	65.5	71,500 *
50	50.4	61.5	56,400 *
55	44.6	56.6	44,700 *
60	38.2	50.5	35,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
16	82.7	88.1	249,900 *
17	82.0	88.0	247,400 *
18	81.3	87.8	239,400 *
19	80.6	87.6	229,200 *
20	79.8	87.4	217,200 *
22	78.4	87.0	195,100 *
24	76.9	86.4	176,500 *
26	75.4	85.9	160,400 *
28	73.9	85.3	145,300 *
30	72.4	84.6	132,200 *
32	70.9	83.9	120,900 *
34	69.3	83.1	111,000 *
36	67.8	82.2	102,200 *
38	66.2	81.3	94,400 *
40	64.6	80.3	87,300 *
45	60.5	77.5	72,600 *
50	56.2	74.2	58,300 *
55	51.7	70.3	46,500 *
60	46.8	65.8	37,200 *
65	41.5	60.3	29,600 *
70	35.5	53.6	23,300 *
90 Ft. BOOM			
17	82.9	98.1	239,500 *
18	82.3	97.9	229,600 *
19	81.6	97.8	220,200 *
20	81.0	97.6	211,500 *
22	79.7	97.2	195,800 *
24	78.4	96.8	177,300 *
26	77.1	96.3	161,400 *
28	75.7	95.7	146,300 *
30	74.4	95.1	133,200 *
32	73.1	94.5	121,900 *
34	71.7	93.8	112,000 *
36	70.4	93.0	103,200 *
38	69.0	92.2	95,400 *
40	67.6	91.4	88,400 *
45	64.1	89.0	73,600 *
50	60.4	86.2	60,000 *
55	56.6	82.9	48,100 *
60	52.7	79.2	38,800 *
65	48.5	74.8	31,100 *
70	43.9	69.8	24,800 *
75	39.0	63.8	19,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
18	83.0	108.1	208,500 *
19	82.5	107.9	200,400 *
20	81.9	107.7	192,800 *
22	80.7	107.4	178,700 *
24	79.6	107.0	166,100 *
26	78.4	106.5	154,700 *
28	77.2	106.1	144,500 *
30	76.0	105.5	133,900 *
32	74.8	105.0	122,600 *
34	73.6	104.3	112,600 *
36	72.4	103.7	103,800 *
38	71.2	103.0	96,000 *
40	70.0	102.2	89,000 *
45	66.9	100.1	74,200 *
50	63.7	97.6	61,200 *
55	60.4	94.8	49,300 *
60	57.0	91.6	39,800 *
65	53.4	88.0	32,200 *
70	49.7	83.8	25,800 *
75	45.8	79.0	20,400 *
80	41.5	73.5	15,800 *
85	36.8	67.1	11,900 *
110 Ft. BOOM			
20	82.6	117.9	178,200 *
22	81.6	117.5	165,800 *
24	80.5	117.2	154,600 *
26	79.5	116.8	144,400 *
28	78.4	116.3	135,200 *
30	77.3	115.9	126,700 *
32	76.2	115.4	118,900 *
34	75.2	114.8	111,800 *
36	74.1	114.2	104,400 *
38	73.0	113.6	96,600 *
40	71.9	112.9	89,500 *
45	69.1	111.0	74,800 *
50	66.3	108.8	62,200 *
55	63.3	106.3	50,300 *
60	60.4	103.5	40,800 *
65	57.3	100.3	33,100 *
70	54.1	96.7	26,700 *
75	50.7	92.7	21,300 *
80	47.2	88.2	16,700 *
85	43.5	83.0	12,700 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements



Boom No. 78T With Heavy Lift Top, Luffing Jib No. 139
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

110 Ft. Luffing Jib, Attached At 160 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
22	82.3	127.7	159,000 *
24	81.3	127.3	148,000 *
26	80.3	127.0	138,000 *
28	79.4	126.6	128,900 *
30	78.4	126.1	120,600 *
32	77.4	125.7	113,000 *
34	76.4	125.2	106,100 *
36	75.4	124.6	99,700 *
38	74.4	124.0	93,600 *
40	73.4	123.4	87,900 *
45	70.9	121.7	75,600 *
50	68.4	119.7	63,300
55	65.7	117.5	51,400
60	63.1	115.0	41,900
65	60.3	112.2	34,100
70	57.5	109.0	27,700
75	54.6	105.5	22,300
80	51.6	101.6	17,700
85	48.4	97.2	13,700
90	45.0	92.3	10,200
130 Ft. BOOM			
22	82.9	137.8	150,900 *
24	82.0	137.5	141,300 *
26	81.1	137.1	132,600 *
28	80.2	136.8	124,500 *
30	79.3	136.4	116,200 *
32	78.4	135.9	108,700 *
34	77.5	135.5	101,800 *
36	76.6	135.0	95,400 *
38	75.7	134.4	89,600 *
40	74.8	133.9	84,100 *
45	72.5	132.3	72,000 *
50	70.1	130.5	61,800 *
55	67.7	128.5	51,900
60	65.3	126.2	42,300
65	62.8	123.6	34,600
70	60.3	120.8	28,100
75	57.7	117.7	22,700
80	55.0	114.2	18,000
85	52.2	110.4	14,000
90	49.4	106.2	10,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
24	82.6	147.6	134,000 *
26	81.7	147.3	125,500 *
28	80.9	146.9	117,700 *
30	80.1	146.6	110,100 *
32	79.2	146.2	102,900 *
34	78.4	145.7	96,200 *
36	77.6	145.3	90,000 *
38	76.7	144.8	84,400 *
40	75.9	144.3	79,200 *
45	73.7	142.8	67,600 *
50	71.6	141.2	57,900 *
55	69.4	139.3	49,500 *
60	67.2	137.2	42,300 *
65	64.9	134.9	34,900
70	62.6	132.3	28,500
75	60.3	129.5	23,000
80	57.9	126.4	18,300
85	55.4	122.9	14,300
90	52.8	119.2	10,800
150 Ft. BOOM			
26	82.3	157.4	134,600 *
28	81.5	157.1	134,600 *
30	80.7	156.7	124,900 *
32	80.0	156.4	114,700 *
34	79.2	156.0	105,800 *
36	78.4	155.5	98,000 *
38	77.6	155.1	91,000 *
40	76.8	154.6	84,800 *
45	74.9	153.2	71,800 *
50	72.9	151.7	61,500 *
55	70.8	150.0	51,700 *
60	68.8	148.1	42,100
65	66.7	145.9	34,300
70	64.6	143.6	27,800
75	62.5	141.0	22,300
80	60.3	138.1	17,600
85	58.0	135.0	13,500
90	55.7	131.7	10,000

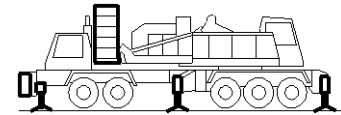
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
26	82.8	167.5	131,400 *
28	82.1	167.2	131,400 *
30	81.3	166.9	122,300 *
32	80.6	166.5	112,200 *
34	79.9	166.2	103,400 *
36	79.1	165.8	95,700 *
38	78.4	165.3	88,800 *
40	77.7	164.9	82,700 *
45	75.8	163.6	69,800 *
50	74.0	162.2	59,600 *
55	72.1	160.6	51,200 *
60	70.2	158.8	42,200
65	68.3	156.8	34,300
70	66.3	154.6	27,800
75	64.3	152.2	22,300
80	62.3	149.6	17,600
85	60.2	146.8	13,500
90	58.1	143.7	10,000



777T

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements



Boom No. 78T With Heavy Lift Top, Luffing Jib No. 139
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

120 Ft. Luffing Jib, Attached At 160 Degree Boom To Luffing Jib Angle

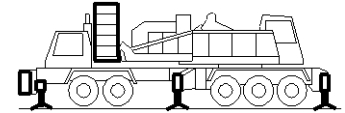
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
60 Ft. BOOM			
14	82.2	68.2	312,500 *
15	81.3	68.0	290,700 *
16	80.3	67.8	271,300 *
17	79.3	67.6	254,100 *
18	78.3	67.4	238,600 *
19	77.3	67.1	224,600 *
20	76.4	66.8	211,900 *
22	74.4	66.2	189,800 *
24	72.3	65.5	171,200 *
26	70.3	64.8	154,200 *
28	68.2	63.9	139,100 *
30	66.1	63.0	126,100 *
32	64.0	61.9	114,800 *
34	61.8	60.8	104,900 *
36	59.5	59.6	96,200 *
38	57.2	58.2	88,400 *
40	54.9	56.8	81,400 *
45	48.6	52.5	64,600 *
50	41.6	47.1	49,700 *
70 Ft. BOOM			
15	82.5	78.2	268,600 *
16	81.7	78.0	266,700 *
17	80.9	77.8	255,300 *
18	80.0	77.6	239,900 *
19	79.2	77.4	225,900 *
20	78.4	77.2	213,300 *
22	76.7	76.6	191,300 *
24	75.0	76.1	172,700 *
26	73.2	75.4	156,100 *
28	71.5	74.7	141,000 *
30	69.7	73.9	128,100 *
32	68.0	73.1	116,800 *
34	66.2	72.1	106,900 *
36	64.3	71.1	98,100 *
38	62.5	70.0	90,300 *
40	60.6	68.9	83,300 *
45	55.6	65.5	67,900 *
50	50.4	61.5	52,900 *
55	44.6	56.6	41,300 *
60	38.2	50.5	32,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
16	82.7	88.1	247,400 *
17	82.0	88.0	244,900 *
18	81.3	87.8	236,300 *
19	80.6	87.6	226,400 *
20	79.8	87.4	213,900 *
22	78.4	87.0	191,900 *
24	76.9	86.4	173,400 *
26	75.4	85.9	157,100 *
28	73.9	85.3	142,100 *
30	72.4	84.6	129,100 *
32	70.9	83.9	117,900 *
34	69.3	83.1	108,000 *
36	67.8	82.2	99,300 *
38	66.2	81.3	91,500 *
40	64.6	80.3	84,500 *
45	60.5	77.5	69,900 *
50	56.2	74.2	54,900 *
55	51.7	70.3	43,300 *
60	46.8	65.8	34,100 *
65	41.5	60.3	26,600 *
70	35.5	53.6	20,500 *
90 Ft. BOOM			
17	82.9	98.1	236,700 *
18	82.3	97.9	226,700 *
19	81.6	97.8	217,400 *
20	81.0	97.6	208,700 *
22	79.7	97.2	192,700 *
24	78.4	96.8	174,200 *
26	77.1	96.3	158,200 *
28	75.7	95.7	143,200 *
30	74.4	95.1	130,200 *
32	73.1	94.5	119,000 *
34	71.7	93.8	109,100 *
36	70.4	93.0	100,400 *
38	69.0	92.2	92,600 *
40	67.6	91.4	85,700 *
45	64.1	89.0	71,000 *
50	60.4	86.2	56,800 *
55	56.6	82.9	45,100 *
60	52.7	79.2	35,900 *
65	48.5	74.8	28,300 *
70	43.9	69.8	22,100 *
75	39.0	63.8	16,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
18	83.0	108.1	205,900 *
19	82.5	107.9	197,800 *
20	81.9	107.7	190,200 *
22	80.7	107.4	176,200 *
24	79.6	107.0	163,600 *
26	78.4	106.5	152,200 *
28	77.2	106.1	142,100 *
30	76.0	105.5	131,000 *
32	74.8	105.0	119,700 *
34	73.6	104.3	109,900 *
36	72.4	103.7	101,100 *
38	71.2	103.0	93,400 *
40	70.0	102.2	86,400 *
45	66.9	100.1	71,700 *
50	63.7	97.6	58,100 *
55	60.4	94.8	46,400 *
60	57.0	91.6	37,100 *
65	53.4	88.0	29,500 *
70	49.7	83.8	23,200 *
75	45.8	79.0	17,900 *
80	41.5	73.5	13,400 *
110 Ft. BOOM			
20	82.6	117.9	175,900 *
22	81.6	117.5	163,400 *
24	80.5	117.2	152,200 *
26	79.5	116.8	142,100 *
28	78.4	116.3	132,900 *
30	77.3	115.9	124,500 *
32	76.2	115.4	116,600 *
34	75.2	114.8	109,600 *
36	74.1	114.2	101,800 *
38	73.0	113.6	94,000 *
40	71.9	112.9	87,000 *
45	69.1	111.0	72,400 *
50	66.3	108.8	59,200 *
55	63.3	106.3	47,500 *
60	60.4	103.5	38,100 *
65	57.3	100.3	30,500 *
70	54.1	96.7	24,200 *
75	50.7	92.7	18,800 *
80	47.2	88.2	14,300 *
85	43.5	83.0	10,400 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements



Boom No. 78T With Heavy Lift Top, Luffing Jib No. 139
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

120 Ft. Luffing Jib, Attached At 160 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
22	82.3	127.7	156,800 *
24	81.3	127.3	145,700 *
26	80.3	127.0	135,800 *
28	79.4	126.6	126,700 *
30	78.4	126.1	118,400 *
32	77.4	125.7	110,900 *
34	76.4	125.2	103,900 *
36	75.4	124.6	97,500 *
38	74.4	124.0	91,500 *
40	73.4	123.4	85,800 *
45	70.9	121.7	73,200 *
50	68.4	119.7	60,500
55	65.7	117.5	48,600
60	63.1	115.0	39,300
65	60.3	112.2	31,600
70	57.5	109.0	25,300
75	54.6	105.5	19,900
80	51.6	101.6	15,400
85	48.4	97.2	11,400
130 Ft. BOOM			
22	82.9	137.8	148,800 *
24	82.0	137.5	139,300 *
26	81.1	137.1	130,500 *
28	80.2	136.8	122,300 *
30	79.3	136.4	114,100 *
32	78.4	135.9	106,600 *
34	77.5	135.5	99,700 *
36	76.6	135.0	93,400 *
38	75.7	134.4	87,500 *
40	74.8	133.9	82,100 *
45	72.5	132.3	70,000 *
50	70.1	130.5	59,700 *
55	67.7	128.5	49,200
60	65.3	126.2	39,800
65	62.8	123.6	32,100
70	60.3	120.8	25,800
75	57.7	117.7	20,400
80	55.0	114.2	15,800
85	52.2	110.4	11,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
24	82.6	147.6	132,000 *
26	81.7	147.3	123,500 *
28	80.9	146.9	115,700 *
30	80.1	146.6	108,100 *
32	79.2	146.2	100,800 *
34	78.4	145.7	94,200 *
36	77.6	145.3	88,100 *
38	76.7	144.8	82,400 *
40	75.9	144.3	77,200 *
45	73.7	142.8	65,700 *
50	71.6	141.2	56,000 *
55	69.4	139.3	47,700 *
60	67.2	137.2	40,200
65	64.9	134.9	32,500
70	62.6	132.3	26,100
75	60.3	129.5	20,800
80	57.9	126.4	16,200
85	55.4	122.9	12,200
150 Ft. BOOM			
26	82.3	157.4	132,600 *
28	81.5	157.1	132,600 *
30	80.7	156.7	121,400 *
32	80.0	156.4	111,300 *
34	79.2	156.0	102,600 *
36	78.4	155.5	94,800 *
38	77.6	155.1	88,000 *
40	76.8	154.6	81,900 *
45	74.9	153.2	69,000 *
50	72.9	151.7	58,800 *
55	70.8	150.0	49,100 *
60	68.8	148.1	39,700
65	66.7	145.9	31,900
70	64.6	143.6	25,500
75	62.5	141.0	20,100
80	60.3	138.1	15,500
85	58.0	135.0	11,500

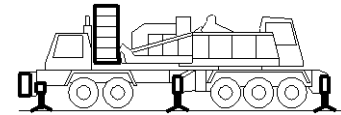
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
26	82.8	167.5	129,500 *
28	82.1	167.2	129,500 *
30	81.3	166.9	119,000 *
32	80.6	166.5	108,900 *
34	79.9	166.2	100,200 *
36	79.1	165.8	92,600 *
38	78.4	165.3	85,800 *
40	77.7	164.9	79,700 *
45	75.8	163.6	67,000 *
50	74.0	162.2	56,900 *
55	72.1	160.6	48,600 *
60	70.2	158.8	39,800
65	68.3	156.8	32,000
70	66.3	154.6	25,600
75	64.3	152.2	20,200
80	62.3	149.6	15,500
85	60.2	146.8	11,500



777T

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements



Boom No. 78T With Heavy Lift Top, Luffing Jib No. 139
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

130 Ft. Luffing Jib, Attached At 168 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
60 Ft. BOOM			
14	82.2	68.2	317,800 *
15	81.3	68.0	295,500 *
16	80.3	67.8	275,600 *
17	79.3	67.6	258,000 *
18	78.3	67.4	242,100 *
19	77.3	67.1	227,800 *
20	76.4	66.8	214,800 *
22	74.4	66.2	192,200 *
24	72.3	65.5	173,100 *
26	70.3	64.8	155,900 *
28	68.2	63.9	140,500 *
30	66.1	63.0	127,100 *
32	64.0	61.9	115,600 *
34	61.8	60.8	105,400 *
36	59.5	59.6	96,400 *
38	57.2	58.2	88,300 *
40	54.9	56.8	81,100 *
45	48.6	52.5	63,700 *
50	41.6	47.1	48,400 *
70 Ft. BOOM			
15	82.5	78.2	271,400 *
16	81.7	78.0	269,300 *
17	80.9	77.8	259,500 *
18	80.0	77.6	243,700 *
19	79.2	77.4	229,400 *
20	78.4	77.2	216,500 *
22	76.7	76.6	193,900 *
24	75.0	76.1	174,900 *
26	73.2	75.4	158,200 *
28	71.5	74.7	142,800 *
30	69.7	73.9	129,500 *
32	68.0	73.1	117,900 *
34	66.2	72.1	107,700 *
36	64.3	71.1	98,700 *
38	62.5	70.0	90,700 *
40	60.6	68.9	83,500 *
45	55.6	65.5	67,700 *
50	50.4	61.5	52,200 *
55	44.6	56.6	40,300 *
60	38.2	50.5	30,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
16	82.7	88.1	250,100 *
17	82.0	88.0	247,600 *
18	81.3	87.8	240,000 *
19	80.6	87.6	229,600 *
20	79.8	87.4	217,200 *
22	78.4	87.0	194,800 *
24	76.9	86.4	175,800 *
26	75.4	85.9	159,400 *
28	73.9	85.3	144,100 *
30	72.4	84.6	130,800 *
32	70.9	83.9	119,300 *
34	69.3	83.1	109,200 *
36	67.8	82.2	100,200 *
38	66.2	81.3	92,200 *
40	64.6	80.3	85,100 *
45	60.5	77.5	70,000 *
50	56.2	74.2	54,800 *
55	51.7	70.3	42,800 *
60	46.8	65.8	33,300 *
65	41.5	60.3	25,500 *
70	35.5	53.6	19,100 *
90 Ft. BOOM			
17	82.9	98.1	240,300 *
18	82.3	97.9	230,200 *
19	81.6	97.8	220,700 *
20	81.0	97.6	211,900 *
22	79.7	97.2	195,800 *
24	78.4	96.8	176,900 *
26	77.1	96.3	160,700 *
28	75.7	95.7	145,400 *
30	74.4	95.1	132,100 *
32	73.1	94.5	120,600 *
34	71.7	93.8	110,500 *
36	70.4	93.0	101,600 *
38	69.0	92.2	93,600 *
40	67.6	91.4	86,400 *
45	64.1	89.0	71,400 *
50	60.4	86.2	57,000 *
55	56.6	82.9	45,000 *
60	52.7	79.2	35,400 *
65	48.5	74.8	27,600 *
70	43.9	69.8	21,200 *
75	39.0	63.8	15,700 *

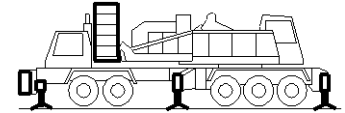
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
18	83.0	108.1	209,100 *
19	82.5	107.9	200,900 *
20	81.9	107.7	193,100 *
22	80.7	107.4	178,900 *
24	79.6	107.0	166,100 *
26	78.4	106.5	154,400 *
28	77.2	106.1	144,200 *
30	76.0	105.5	133,000 *
32	74.8	105.0	121,500 *
34	73.6	104.3	111,400 *
36	72.4	103.7	102,500 *
38	71.2	103.0	94,500 *
40	70.0	102.2	87,300 *
45	66.9	100.1	72,300 *
50	63.7	97.6	58,600 *
55	60.4	94.8	46,500 *
60	57.0	91.6	36,900 *
65	53.4	88.0	29,100 *
70	49.7	83.8	22,600 *
75	45.8	79.0	17,100 *
80	41.5	73.5	12,400 *
110 Ft. BOOM			
20	82.6	117.9	178,600 *
22	81.6	117.5	166,000 *
24	80.5	117.2	154,600 *
26	79.5	116.8	144,300 *
28	78.4	116.3	134,900 *
30	77.3	115.9	126,300 *
32	76.2	115.4	118,300 *
34	75.2	114.8	111,200 *
36	74.1	114.2	103,200 *
38	73.0	113.6	95,300 *
40	71.9	112.9	88,100 *
45	69.1	111.0	73,100 *
50	66.3	108.8	59,900 *
55	63.3	106.3	47,800 *
60	60.4	103.5	38,200 *
65	57.3	100.3	30,300 *
70	54.1	96.7	23,800 *
75	50.7	92.7	18,300 *
80	47.2	88.2	13,600 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

777T

Boom No. 78T With Heavy Lift Top, Luffing Jib No. 139
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers



130 Ft. Luffing Jib, Attached At 168 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
22	82.3	127.7	159,300 *
24	81.3	127.3	148,100 *
26	80.3	127.0	137,900 *
28	79.4	126.6	128,700 *
30	78.4	126.1	120,300 *
32	77.4	125.7	112,600 *
34	76.4	125.2	105,500 *
36	75.4	124.6	99,000 *
38	74.4	124.0	92,900 *
40	73.4	123.4	87,100 *
45	70.9	121.7	74,000 *
50	68.4	119.7	61,300
55	65.7	117.5	49,200
60	63.1	115.0	39,500
65	60.3	112.2	31,600
70	57.5	109.0	25,100
75	54.6	105.5	19,600
80	51.6	101.6	14,900
85	48.4	97.2	10,800
130 Ft. BOOM			
22	82.9	137.8	151,100 *
24	82.0	137.5	141,400 *
26	81.1	137.1	132,600 *
28	80.2	136.8	124,300 *
30	79.3	136.4	116,000 *
32	78.4	135.9	108,300 *
34	77.5	135.5	101,300 *
36	76.6	135.0	94,800 *
38	75.7	134.4	88,900 *
40	74.8	133.9	83,400 *
45	72.5	132.3	71,100 *
50	70.1	130.5	60,600 *
55	67.7	128.5	49,900
60	65.3	126.2	40,200
65	62.8	123.6	32,300
70	60.3	120.8	25,700
75	57.7	117.7	20,200
80	55.0	114.2	15,500
85	52.2	110.4	11,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
24	82.6	147.6	134,100 *
26	81.7	147.3	125,500 *
28	80.9	146.9	117,500 *
30	80.1	146.6	109,900 *
32	79.2	146.2	102,500 *
34	78.4	145.7	95,800 *
36	77.6	145.3	89,500 *
38	76.7	144.8	83,800 *
40	75.9	144.3	78,500 *
45	73.7	142.8	66,800 *
50	71.6	141.2	56,800 *
55	69.4	139.3	48,400 *
60	67.2	137.2	40,800
65	64.9	134.9	32,800
70	62.6	132.3	26,300
75	60.3	129.5	20,700
80	57.9	126.4	16,000
85	55.4	122.9	11,900
150 Ft. BOOM			
26	82.3	157.4	134,400 *
28	81.5	157.1	134,400 *
30	80.7	156.7	124,800 *
32	80.0	156.4	114,300 *
34	79.2	156.0	105,200 *
36	78.4	155.5	97,200 *
38	77.6	155.1	90,100 *
40	76.8	154.6	83,800 *
45	74.9	153.2	70,400 *
50	72.9	151.7	59,800 *
55	70.8	150.0	49,800 *
60	68.8	148.1	40,300
65	66.7	145.9	32,300
70	64.6	143.6	25,700
75	62.5	141.0	20,100
80	60.3	138.1	15,400
85	58.0	135.0	11,200

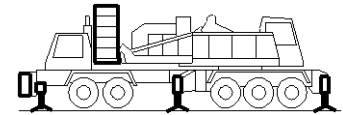
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
26	82.8	167.5	131,300 *
28	82.1	167.2	131,300 *
30	81.3	166.9	122,400 *
32	80.6	166.5	112,000 *
34	79.9	166.2	103,000 *
36	79.1	165.8	95,000 *
38	78.4	165.3	88,000 *
40	77.7	164.9	81,700 *
45	75.8	163.6	68,600 *
50	74.0	162.2	58,100 *
55	72.1	160.6	49,500 *
60	70.2	158.8	40,500
65	68.3	156.8	32,500
70	66.3	154.6	25,900
75	64.3	152.2	20,300
80	62.3	149.6	15,500
85	60.2	146.8	11,400



777T

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements



Boom No. 78T With Heavy Lift Top, Luffing Jib No. 139
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

140 Ft. Luffing Jib, Attached At 168 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
60 Ft. BOOM			
14	82.2	68.2	314,500 *
15	81.3	68.0	292,200 *
16	80.3	67.8	272,400 *
17	79.3	67.6	254,700 *
18	78.3	67.4	238,900 *
19	77.3	67.1	224,600 *
20	76.4	66.8	211,700 *
22	74.4	66.2	189,100 *
24	72.3	65.5	170,000 *
26	70.3	64.8	152,600 *
28	68.2	63.9	137,200 *
30	66.1	63.0	123,900 *
32	64.0	61.9	112,300 *
34	61.8	60.8	102,200 *
36	59.5	59.6	93,200 *
38	57.2	58.2	85,200 *
40	54.9	56.8	77,800 *
45	48.6	52.5	59,700
50	41.6	47.1	44,500
70 Ft. BOOM			
15	82.5	78.2	269,200 *
16	81.7	78.0	267,100 *
17	80.9	77.8	256,400 *
18	80.0	77.6	240,600 *
19	79.2	77.4	226,400 *
20	78.4	77.2	213,500 *
22	76.7	76.6	191,000 *
24	75.0	76.1	172,000 *
26	73.2	75.4	155,100 *
28	71.5	74.7	139,700 *
30	69.7	73.9	126,400 *
32	68.0	73.1	114,900 *
34	66.2	72.1	104,800 *
36	64.3	71.1	95,800 *
38	62.5	70.0	87,800 *
40	60.6	68.9	80,700 *
45	55.6	65.5	64,000
50	50.4	61.5	48,700
55	44.6	56.6	36,900
60	38.2	50.5	27,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
16	82.7	88.1	248,000 *
17	82.0	88.0	245,400 *
18	81.3	87.8	237,400 *
19	80.6	87.6	227,200 *
20	79.8	87.4	214,400 *
22	78.4	87.0	192,000 *
24	76.9	86.4	173,100 *
26	75.4	85.9	156,500 *
28	73.9	85.3	141,200 *
30	72.4	84.6	128,000 *
32	70.9	83.9	116,500 *
34	69.3	83.1	106,400 *
36	67.8	82.2	97,500 *
38	66.2	81.3	89,500 *
40	64.6	80.3	82,400 *
45	60.5	77.5	66,900
50	56.2	74.2	51,500
55	51.7	70.3	39,700
60	46.8	65.8	30,200
65	41.5	60.3	22,500
70	35.5	53.6	16,100
90 Ft. BOOM			
17	82.9	98.1	237,900 *
18	82.3	97.9	227,800 *
19	81.6	97.8	218,400 *
20	81.0	97.6	209,500 *
22	79.7	97.2	193,100 *
24	78.4	96.8	174,200 *
26	77.1	96.3	157,900 *
28	75.7	95.7	142,600 *
30	74.4	95.1	129,400 *
32	73.1	94.5	118,000 *
34	71.7	93.8	107,900 *
36	70.4	93.0	99,000 *
38	69.0	92.2	91,000 *
40	67.6	91.4	83,900 *
45	64.1	89.0	68,900 *
50	60.4	86.2	53,900
55	56.6	82.9	42,000
60	52.7	79.2	32,500
65	48.5	74.8	24,800
70	43.9	69.8	18,400
75	39.0	63.8	13,000

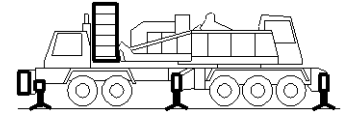
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
18	83.0	108.1	207,000 *
19	82.5	107.9	198,700 *
20	81.9	107.7	191,000 *
22	80.7	107.4	176,700 *
24	79.6	107.0	163,900 *
26	78.4	106.5	152,300 *
28	77.2	106.1	142,000 *
30	76.0	105.5	130,400 *
32	74.8	105.0	119,000 *
34	73.6	104.3	108,900 *
36	72.4	103.7	100,000 *
38	71.2	103.0	92,000 *
40	70.0	102.2	84,900 *
45	66.9	100.1	69,900 *
50	63.7	97.6	55,700
55	60.4	94.8	43,700
60	57.0	91.6	34,200
65	53.4	88.0	26,400
70	49.7	83.8	20,000
75	45.8	79.0	14,500
110 Ft. BOOM			
20	82.6	117.9	176,600 *
22	81.6	117.5	164,000 *
24	80.5	117.2	152,600 *
26	79.5	116.8	142,300 *
28	78.4	116.3	132,900 *
30	77.3	115.9	124,300 *
32	76.2	115.4	116,300 *
34	75.2	114.8	109,100 *
36	74.1	114.2	100,800 *
38	73.0	113.6	92,900 *
40	71.9	112.9	85,800 *
45	69.1	111.0	70,800 *
50	66.3	108.8	57,200
55	63.3	106.3	45,100
60	60.4	103.5	35,600
65	57.3	100.3	27,800
70	54.1	96.7	21,300
75	50.7	92.7	15,900
80	47.2	88.2	11,200

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

777T

Boom No. 78T With Heavy Lift Top, Luffing Jib No. 139
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers



140 Ft. Luffing Jib, Attached At 168 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
22	82.3	127.7	157,300 *
24	81.3	127.3	146,100 *
26	80.3	127.0	136,000 *
28	79.4	126.6	126,800 *
30	78.4	126.1	118,400 *
32	77.4	125.7	110,700 *
34	76.4	125.2	103,600 *
36	75.4	124.6	97,100 *
38	74.4	124.0	90,900 *
40	73.4	123.4	85,100 *
45	70.9	121.7	71,900 *
50	68.4	119.7	58,700
55	65.7	117.5	46,600
60	63.1	115.0	37,000
65	60.3	112.2	29,200
70	57.5	109.0	22,700
75	54.6	105.5	17,300
80	51.6	101.6	12,600
130 Ft. BOOM			
22	82.9	137.8	149,300 *
24	82.0	137.5	139,600 *
26	81.1	137.1	130,800 *
28	80.2	136.8	122,500 *
30	79.3	136.4	114,100 *
32	78.4	135.9	106,500 *
34	77.5	135.5	99,400 *
36	76.6	135.0	93,000 *
38	75.7	134.4	87,100 *
40	74.8	133.9	81,500 *
45	72.5	132.3	69,200 *
50	70.1	130.5	58,800 *
55	67.7	128.5	47,400
60	65.3	126.2	37,800
65	62.8	123.6	29,900
70	60.3	120.8	23,400
75	57.7	117.7	17,900
80	55.0	114.2	13,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
24	82.6	147.6	132,400 *
26	81.7	147.3	123,700 *
28	80.9	146.9	115,800 *
30	80.1	146.6	108,100 *
32	79.2	146.2	100,800 *
34	78.4	145.7	94,000 *
36	77.6	145.3	87,800 *
38	76.7	144.8	82,000 *
40	75.9	144.3	76,700 *
45	73.7	142.8	65,000 *
50	71.6	141.2	55,100 *
55	69.4	139.3	46,600 *
60	67.2	137.2	38,400
65	64.9	134.9	30,600
70	62.6	132.3	24,000
75	60.3	129.5	18,500
80	57.9	126.4	13,800
150 Ft. BOOM			
26	82.3	157.4	132,700 *
28	81.5	157.1	132,700 *
30	80.7	156.7	121,800 *
32	80.0	156.4	111,400 *
34	79.2	156.0	102,400 *
36	78.4	155.5	94,400 *
38	77.6	155.1	87,400 *
40	76.8	154.6	81,100 *
45	74.9	153.2	67,900 *
50	72.9	151.7	57,300 *
55	70.8	150.0	47,400 *
60	68.8	148.1	38,100
65	66.7	145.9	30,100
70	64.6	143.6	23,600
75	62.5	141.0	18,000
80	60.3	138.1	13,300

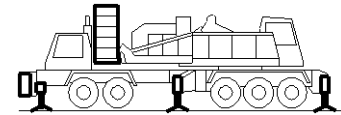
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
26	82.8	167.5	129,700 *
28	82.1	167.2	129,700 *
30	81.3	166.9	119,500 *
32	80.6	166.5	109,200 *
34	79.9	166.2	100,200 *
36	79.1	165.8	92,300 *
38	78.4	165.3	85,300 *
40	77.7	164.9	79,100 *
45	75.8	163.6	66,000 *
50	74.0	162.2	55,600 *
55	72.1	160.6	47,100 *
60	70.2	158.8	38,300
65	68.3	156.8	30,400
70	66.3	154.6	23,800
75	64.3	152.2	18,200
80	62.3	149.6	13,500



777T

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements



Boom No. 78T With Heavy Lift Top, Luffing Jib No. 139
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

150 Ft. Luffing Jib, Attached At 168 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
60 Ft. BOOM			
14	82.2	68.2	312,000 *
15	81.3	68.0	289,700 *
16	80.3	67.8	270,000 *
17	79.3	67.6	252,300 *
18	78.3	67.4	236,500 *
19	77.3	67.1	222,300 *
20	76.4	66.8	209,400 *
22	74.4	66.2	186,800 *
24	72.3	65.5	167,800 *
26	70.3	64.8	150,200 *
28	68.2	63.9	134,800 *
30	66.1	63.0	121,600 *
32	64.0	61.9	110,000 *
34	61.8	60.8	99,900 *
36	59.5	59.6	91,000 *
38	57.2	58.2	82,800 *
40	54.9	56.8	75,200 *
45	48.6	52.5	56,900
50	41.6	47.1	41,800
70 Ft. BOOM			
15	82.5	78.2	267,600 *
16	81.7	78.0	265,400 *
17	80.9	77.8	254,200 *
18	80.0	77.6	238,400 *
19	79.2	77.4	224,200 *
20	78.4	77.2	211,400 *
22	76.7	76.6	188,900 *
24	75.0	76.1	170,000 *
26	73.2	75.4	152,900 *
28	71.5	74.7	137,500 *
30	69.7	73.9	124,300 *
32	68.0	73.1	112,800 *
34	66.2	72.1	102,700 *
36	64.3	71.1	93,800 *
38	62.5	70.0	85,800 *
40	60.6	68.9	78,600 *
45	55.6	65.5	61,500
50	50.4	61.5	46,300
55	44.6	56.6	34,600
60	38.2	50.5	25,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
16	82.7	88.1	246,400 *
17	82.0	88.0	243,800 *
18	81.3	87.8	235,500 *
19	80.6	87.6	225,200 *
20	79.8	87.4	212,400 *
22	78.4	87.0	190,000 *
24	76.9	86.4	171,200 *
26	75.4	85.9	154,400 *
28	73.9	85.3	139,100 *
30	72.4	84.6	126,000 *
32	70.9	83.9	114,500 *
34	69.3	83.1	104,500 *
36	67.8	82.2	95,600 *
38	66.2	81.3	87,700 *
40	64.6	80.3	80,600 *
45	60.5	77.5	64,500
50	56.2	74.2	49,300
55	51.7	70.3	37,500
60	46.8	65.8	28,200
65	41.5	60.3	20,600
70	35.5	53.6	14,200
90 Ft. BOOM			
17	82.9	98.1	236,200 *
18	82.3	97.9	226,100 *
19	81.6	97.8	216,600 *
20	81.0	97.6	207,700 *
22	79.7	97.2	191,200 *
24	78.4	96.8	172,400 *
26	77.1	96.3	156,000 *
28	75.7	95.7	140,700 *
30	74.4	95.1	127,600 *
32	73.1	94.5	116,100 *
34	71.7	93.8	106,100 *
36	70.4	93.0	97,200 *
38	69.0	92.2	89,300 *
40	67.6	91.4	82,200 *
45	64.1	89.0	66,900 *
50	60.4	86.2	51,800
55	56.6	82.9	40,000
60	52.7	79.2	30,600
65	48.5	74.8	23,000
70	43.9	69.8	16,600
75	39.0	63.8	11,300

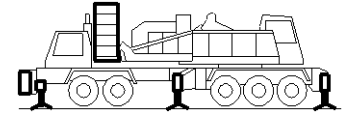
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
18	83.0	108.1	205,400 *
19	82.5	107.9	197,100 *
20	81.9	107.7	189,400 *
22	80.7	107.4	175,100 *
24	79.6	107.0	162,400 *
26	78.4	106.5	150,700 *
28	77.2	106.1	140,400 *
30	76.0	105.5	128,700 *
32	74.8	105.0	117,200 *
34	73.6	104.3	107,200 *
36	72.4	103.7	98,300 *
38	71.2	103.0	90,400 *
40	70.0	102.2	83,300 *
45	66.9	100.1	68,200 *
50	63.7	97.6	53,700
55	60.4	94.8	41,800
60	57.0	91.6	32,400
65	53.4	88.0	24,700
70	49.7	83.8	18,300
75	45.8	79.0	12,900
110 Ft. BOOM			
20	82.6	117.9	175,100 *
22	81.6	117.5	162,500 *
24	80.5	117.2	151,100 *
26	79.5	116.8	140,800 *
28	78.4	116.3	131,400 *
30	77.3	115.9	122,900 *
32	76.2	115.4	114,900 *
34	75.2	114.8	107,700 *
36	74.1	114.2	99,300 *
38	73.0	113.6	91,300 *
40	71.9	112.9	84,300 *
45	69.1	111.0	69,300 *
50	66.3	108.8	55,300
55	63.3	106.3	43,400
60	60.4	103.5	33,900
65	57.3	100.3	26,200
70	54.1	96.7	19,700
75	50.7	92.7	14,300

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

777T

Boom No. 78T With Heavy Lift Top, Luffing Jib No. 139
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers



150 Ft. Luffing Jib, Attached At 168 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
22	82.3	127.7	156,000 *
24	81.3	127.3	144,800 *
26	80.3	127.0	134,600 *
28	79.4	126.6	125,400 *
30	78.4	126.1	117,000 *
32	77.4	125.7	109,300 *
34	76.4	125.2	102,300 *
36	75.4	124.6	95,700 *
38	74.4	124.0	89,600 *
40	73.4	123.4	83,800 *
45	70.9	121.7	70,500 *
50	68.4	119.7	56,900
55	65.7	117.5	44,900
60	63.1	115.0	35,400
65	60.3	112.2	27,700
70	57.5	109.0	21,200
75	54.6	105.5	15,800
80	51.6	101.6	11,200
130 Ft. BOOM			
22	82.9	137.8	148,000 *
24	82.0	137.5	138,400 *
26	81.1	137.1	129,500 *
28	80.2	136.8	121,200 *
30	79.3	136.4	112,800 *
32	78.4	135.9	105,200 *
34	77.5	135.5	98,200 *
36	76.6	135.0	91,700 *
38	75.7	134.4	85,800 *
40	74.8	133.9	80,300 *
45	72.5	132.3	68,000 *
50	70.1	130.5	57,600 *
55	67.7	128.5	45,800
60	65.3	126.2	36,200
65	62.8	123.6	28,500
70	60.3	120.8	22,000
75	57.7	117.7	16,600
80	55.0	114.2	11,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
24	82.6	147.6	131,200 *
26	81.7	147.3	122,500 *
28	80.9	146.9	114,600 *
30	80.1	146.6	106,900 *
32	79.2	146.2	99,500 *
34	78.4	145.7	92,800 *
36	77.6	145.3	86,600 *
38	76.7	144.8	80,900 *
40	75.9	144.3	75,600 *
45	73.7	142.8	63,900 *
50	71.6	141.2	54,000 *
55	69.4	139.3	45,500 *
60	67.2	137.2	37,000
65	64.9	134.9	29,200
70	62.6	132.3	22,700
75	60.3	129.5	17,200
80	57.9	126.4	12,500
150 Ft. BOOM			
26	82.3	157.4	131,800 *
28	81.5	157.1	131,800 *
30	80.7	156.7	119,800 *
32	80.0	156.4	109,500 *
34	79.2	156.0	100,500 *
36	78.4	155.5	92,600 *
38	77.6	155.1	85,600 *
40	76.8	154.6	79,400 *
45	74.9	153.2	66,300 *
50	72.9	151.7	55,800 *
55	70.8	150.0	45,900 *
60	68.8	148.1	36,600
65	66.7	145.9	28,800
70	64.6	143.6	22,300
75	62.5	141.0	16,800
80	60.3	138.1	12,100

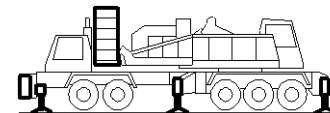
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
26	82.8	167.5	128,500 *
28	82.1	167.2	128,500 *
30	81.3	166.9	117,500 *
32	80.6	166.5	107,300 *
34	79.9	166.2	98,400 *
36	79.1	165.8	90,600 *
38	78.4	165.3	83,600 *
40	77.7	164.9	77,400 *
45	75.8	163.6	64,500 *
50	74.0	162.2	54,100 *
55	72.1	160.6	45,700 *
60	70.2	158.8	36,900
65	68.3	156.8	29,100
70	66.3	154.6	22,500
75	64.3	152.2	17,000
80	62.3	149.6	12,300



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Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements



Boom No. 78T With Heavy Lift Top, Luffing Jib No. 139
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

160 Ft. Luffing Jib, Attached At 168 Degree Boom To Luffing Jib Angle

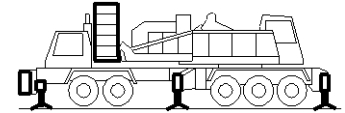
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
60 Ft. BOOM			
14	82.2	68.2	308,500 *
15	81.3	68.0	286,200 *
16	80.3	67.8	266,500 *
17	79.3	67.6	248,900 *
18	78.3	67.4	233,100 *
19	77.3	67.1	218,900 *
20	76.4	66.8	206,000 *
22	74.4	66.2	183,500 *
24	72.3	65.5	164,500 *
26	70.3	64.8	146,600 *
28	68.2	63.9	131,300 *
30	66.1	63.0	118,100 *
32	64.0	61.9	106,600 *
34	61.8	60.8	96,500 *
36	59.5	59.6	87,200 *
38	57.2	58.2	78,800 *
40	54.9	56.8	71,200 *
45	48.6	52.5	52,700 *
50	41.6	47.1	37,800 *
70 Ft. BOOM			
15	82.5	78.2	265,300 *
16	81.7	78.0	263,000 *
17	80.9	77.8	250,900 *
18	80.0	77.6	235,200 *
19	79.2	77.4	221,100 *
20	78.4	77.2	208,200 *
22	76.7	76.6	185,800 *
24	75.0	76.1	166,900 *
26	73.2	75.4	149,600 *
28	71.5	74.7	134,300 *
30	69.7	73.9	121,100 *
32	68.0	73.1	109,700 *
34	66.2	72.1	99,600 *
36	64.3	71.1	90,700 *
38	62.5	70.0	82,400 *
40	60.6	68.9	74,900 *
45	55.6	65.5	57,600 *
50	50.4	61.5	42,600 *
55	44.6	56.6	31,000 *
60	38.2	50.5	21,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
16	82.7	88.1	244,200 *
17	82.0	88.0	241,500 *
18	81.3	87.8	232,700 *
19	80.6	87.6	222,200 *
20	79.8	87.4	209,400 *
22	78.4	87.0	187,100 *
24	76.9	86.4	168,300 *
26	75.4	85.9	151,300 *
28	73.9	85.3	136,100 *
30	72.4	84.6	123,000 *
32	70.9	83.9	111,600 *
34	69.3	83.1	101,600 *
36	67.8	82.2	92,700 *
38	66.2	81.3	84,800 *
40	64.6	80.3	77,300 *
45	60.5	77.5	60,900 *
50	56.2	74.2	45,800 *
55	51.7	70.3	34,200 *
60	46.8	65.8	25,000 *
65	41.5	60.3	17,400 *
70	35.5	53.6	11,200 *
90 Ft. BOOM			
17	82.9	98.1	233,600 *
18	82.3	97.9	223,500 *
19	81.6	97.8	214,100 *
20	81.0	97.6	205,200 *
22	79.7	97.2	188,400 *
24	78.4	96.8	169,600 *
26	77.1	96.3	153,000 *
28	75.7	95.7	137,800 *
30	74.4	95.1	124,700 *
32	73.1	94.5	113,300 *
34	71.7	93.8	103,300 *
36	70.4	93.0	94,500 *
38	69.0	92.2	86,600 *
40	67.6	91.4	79,400 *
45	64.1	89.0	63,700 *
50	60.4	86.2	48,600 *
55	56.6	82.9	36,900 *
60	52.7	79.2	27,600 *
65	48.5	74.8	20,000 *
70	43.9	69.8	13,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
18	83.0	108.1	203,000 *
19	82.5	107.9	194,800 *
20	81.9	107.7	187,000 *
22	80.7	107.4	172,800 *
24	79.6	107.0	160,000 *
26	78.4	106.5	148,400 *
28	77.2	106.1	138,100 *
30	76.0	105.5	125,900 *
32	74.8	105.0	114,600 *
34	73.6	104.3	104,600 *
36	72.4	103.7	95,700 *
38	71.2	103.0	87,800 *
40	70.0	102.2	80,800 *
45	66.9	100.1	65,100 *
50	63.7	97.6	50,700 *
55	60.4	94.8	38,900 *
60	57.0	91.6	29,500 *
65	53.4	88.0	21,900 *
70	49.7	83.8	15,600 *
75	45.8	79.0	10,300 *
110 Ft. BOOM			
20	82.6	117.9	173,000 *
22	81.6	117.5	160,400 *
24	80.5	117.2	149,000 *
26	79.5	116.8	138,700 *
28	78.4	116.3	129,300 *
30	77.3	115.9	120,700 *
32	76.2	115.4	112,700 *
34	75.2	114.8	105,600 *
36	74.1	114.2	96,800 *
38	73.0	113.6	88,900 *
40	71.9	112.9	81,800 *
45	69.1	111.0	66,400 *
50	66.3	108.8	52,400 *
55	63.3	106.3	40,600 *
60	60.4	103.5	31,100 *
65	57.3	100.3	23,500 *
70	54.1	96.7	17,100 *
75	50.7	92.7	11,800 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements



Boom No. 78T With Heavy Lift Top, Luffing Jib No. 139
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

160 Ft. Luffing Jib, Attached At 168 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
22	82.3	127.7	153,900 *
24	81.3	127.3	142,700 *
26	80.3	127.0	132,600 *
28	79.4	126.6	123,400 *
30	78.4	126.1	115,000 *
32	77.4	125.7	107,300 *
34	76.4	125.2	100,200 *
36	75.4	124.6	93,700 *
38	74.4	124.0	87,500 *
40	73.4	123.4	81,800 *
45	70.9	121.7	67,800 *
50	68.4	119.7	54,100
55	65.7	117.5	42,200
60	63.1	115.0	32,800
65	60.3	112.2	25,100
70	57.5	109.0	18,700
75	54.6	105.5	13,400
130 Ft. BOOM			
22	82.9	137.8	146,100 *
24	82.0	137.5	136,400 *
26	81.1	137.1	127,600 *
28	80.2	136.8	119,200 *
30	79.3	136.4	110,800 *
32	78.4	135.9	103,200 *
34	77.5	135.5	96,200 *
36	76.6	135.0	89,800 *
38	75.7	134.4	83,800 *
40	74.8	133.9	78,300 *
45	72.5	132.3	65,900 *
50	70.1	130.5	55,100
55	67.7	128.5	43,200
60	65.3	126.2	33,700
65	62.8	123.6	26,000
70	60.3	120.8	19,600
75	57.7	117.7	14,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
24	82.6	147.6	129,300 *
26	81.7	147.3	120,700 *
28	80.9	146.9	112,800 *
30	80.1	146.6	105,000 *
32	79.2	146.2	97,700 *
34	78.4	145.7	90,900 *
36	77.6	145.3	84,700 *
38	76.7	144.8	79,000 *
40	75.9	144.3	73,700 *
45	73.7	142.8	62,000 *
50	71.6	141.2	52,100 *
55	69.4	139.3	43,600 *
60	67.2	137.2	34,500
65	64.9	134.9	26,800
70	62.6	132.3	20,300
75	60.3	129.5	14,900
80	57.9	126.4	10,300
150 Ft. BOOM			
26	82.3	157.4	128,600 *
28	81.5	157.1	128,600 *
30	80.7	156.7	116,700 *
32	80.0	156.4	106,500 *
34	79.2	156.0	97,600 *
36	78.4	155.5	89,800 *
38	77.6	155.1	82,800 *
40	76.8	154.6	76,600 *
45	74.9	153.2	63,600 *
50	72.9	151.7	53,200 *
55	70.8	150.0	43,400 *
60	68.8	148.1	34,300
65	66.7	145.9	26,500
70	64.6	143.6	20,000
75	62.5	141.0	14,500

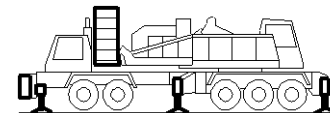
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
26	82.8	167.5	126,300 *
28	82.1	167.2	126,300 *
30	81.3	166.9	114,500 *
32	80.6	166.5	104,300 *
34	79.9	166.2	95,500 *
36	79.1	165.8	87,800 *
38	78.4	165.3	80,900 *
40	77.7	164.9	74,700 *
45	75.8	163.6	61,900 *
50	74.0	162.2	51,600 *
55	72.1	160.6	43,200 *
60	70.2	158.8	34,600
65	68.3	156.8	26,800
70	66.3	154.6	20,300
75	64.3	152.2	14,900
80	62.3	149.6	10,200



777T

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements



Boom No. 78T With Heavy Lift Top, Luffing Jib No. 139
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

170 Ft. Luffing Jib, Attached At 168 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
60 Ft. BOOM			
14	82.2	68.2	305,200 *
15	81.3	68.0	282,900 *
16	80.3	67.8	263,300 *
17	79.3	67.6	245,700 *
18	78.3	67.4	230,000 *
19	77.3	67.1	215,800 *
20	76.4	66.8	202,900 *
22	74.4	66.2	180,400 *
24	72.3	65.5	161,300 *
26	70.3	64.8	143,300 *
28	68.2	63.9	128,100 *
30	66.1	63.0	114,900 *
32	64.0	61.9	103,300 *
34	61.8	60.8	92,800 *
36	59.5	59.6	83,500 *
38	57.2	58.2	75,100 *
40	54.9	56.8	67,600 *
45	48.6	52.5	48,800
50	41.6	47.1	34,100
70 Ft. BOOM			
15	82.5	78.2	263,500 *
16	81.7	78.0	261,200 *
17	80.9	77.8	247,900 *
18	80.0	77.6	232,200 *
19	79.2	77.4	218,100 *
20	78.4	77.2	205,300 *
22	76.7	76.6	182,900 *
24	75.0	76.1	164,100 *
26	73.2	75.4	146,500 *
28	71.5	74.7	131,300 *
30	69.7	73.9	118,200 *
32	68.0	73.1	106,800 *
34	66.2	72.1	96,600 *
36	64.3	71.1	87,400 *
38	62.5	70.0	79,100 *
40	60.6	68.9	71,600 *
45	55.6	65.5	54,100
50	50.4	61.5	39,200
55	44.6	56.6	27,800
60	38.2	50.5	18,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
16	82.7	88.1	242,400 *
17	82.0	88.0	239,700 *
18	81.3	87.8	230,500 *
19	80.6	87.6	219,300 *
20	79.8	87.4	206,600 *
22	78.4	87.0	184,300 *
24	76.9	86.4	165,600 *
26	75.4	85.9	148,500 *
28	73.9	85.3	133,300 *
30	72.4	84.6	120,200 *
32	70.9	83.9	108,900 *
34	69.3	83.1	98,900 *
36	67.8	82.2	89,900 *
38	66.2	81.3	81,700 *
40	64.6	80.3	74,200 *
45	60.5	77.5	57,600
50	56.2	74.2	42,700
55	51.7	70.3	31,200
60	46.8	65.8	22,100
65	41.5	60.3	14,600
90 Ft. BOOM			
17	82.9	98.1	231,600 *
18	82.3	97.9	221,500 *
19	81.6	97.8	212,100 *
20	81.0	97.6	203,200 *
22	79.7	97.2	185,800 *
24	78.4	96.8	167,100 *
26	77.1	96.3	150,300 *
28	75.7	95.7	135,200 *
30	74.4	95.1	122,100 *
32	73.1	94.5	110,800 *
34	71.7	93.8	100,800 *
36	70.4	93.0	92,000 *
38	69.0	92.2	83,900 *
40	67.6	91.4	76,500 *
45	64.1	89.0	60,700
50	60.4	86.2	45,700
55	56.6	82.9	34,100
60	52.7	79.2	24,900
65	48.5	74.8	17,400
70	43.9	69.8	11,200

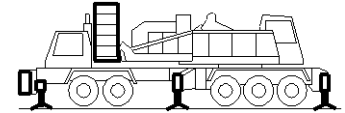
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
18	83.0	108.1	201,200 *
19	82.5	107.9	193,000 *
20	81.9	107.7	185,200 *
22	80.7	107.4	171,000 *
24	79.6	107.0	158,200 *
26	78.4	106.5	146,600 *
28	77.2	106.1	136,500 *
30	76.0	105.5	123,500 *
32	74.8	105.0	112,100 *
34	73.6	104.3	102,200 *
36	72.4	103.7	93,400 *
38	71.2	103.0	85,500 *
40	70.0	102.2	78,100 *
45	66.9	100.1	62,400 *
50	63.7	97.6	47,900
55	60.4	94.8	36,200
60	57.0	91.6	27,000
65	53.4	88.0	19,400
70	49.7	83.8	13,200
110 Ft. BOOM			
20	82.6	117.9	171,300 *
22	81.6	117.5	158,700 *
24	80.5	117.2	147,300 *
26	79.5	116.8	137,000 *
28	78.4	116.3	127,600 *
30	77.3	115.9	119,100 *
32	76.2	115.4	111,100 *
34	75.2	114.8	103,300 *
36	74.1	114.2	94,500 *
38	73.0	113.6	86,700 *
40	71.9	112.9	79,400 *
45	69.1	111.0	63,800 *
50	66.3	108.8	49,800
55	63.3	106.3	38,000
60	60.4	103.5	28,700
65	57.3	100.3	21,100
70	54.1	96.7	14,800

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

777T

Boom No. 78T With Heavy Lift Top, Luffing Jib No. 139
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers



170 Ft. Luffing Jib, Attached At 168 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
22	82.3	127.7	152,300 *
24	81.3	127.3	141,100 *
26	80.3	127.0	131,000 *
28	79.4	126.6	121,800 *
30	78.4	126.1	113,400 *
32	77.4	125.7	105,800 *
34	76.4	125.2	98,700 *
36	75.4	124.6	92,100 *
38	74.4	124.0	86,000 *
40	73.4	123.4	80,300 *
45	70.9	121.7	65,300 *
50	68.4	119.7	51,600
55	65.7	117.5	39,800
60	63.1	115.0	30,500
65	60.3	112.2	22,900
70	57.5	109.0	16,500
75	54.6	105.5	11,200
130 Ft. BOOM			
22	82.9	137.8	144,700 *
24	82.0	137.5	135,000 *
26	81.1	137.1	126,200 *
28	80.2	136.8	117,700 *
30	79.3	136.4	109,400 *
32	78.4	135.9	101,800 *
34	77.5	135.5	94,800 *
36	76.6	135.0	88,300 *
38	75.7	134.4	82,400 *
40	74.8	133.9	76,800 *
45	72.5	132.3	64,600 *
50	70.1	130.5	52,700
55	67.7	128.5	40,900
60	65.3	126.2	31,500
65	62.8	123.6	23,800
70	60.3	120.8	17,500
75	57.7	117.7	12,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
24	82.6	147.6	127,900 *
26	81.7	147.3	119,300 *
28	80.9	146.9	111,400 *
30	80.1	146.6	103,600 *
32	79.2	146.2	96,300 *
34	78.4	145.7	89,600 *
36	77.6	145.3	83,400 *
38	76.7	144.8	77,600 *
40	75.9	144.3	72,300 *
45	73.7	142.8	60,700 *
50	71.6	141.2	50,800 *
55	69.4	139.3	41,800
60	67.2	137.2	32,400
65	64.9	134.9	24,700
70	62.6	132.3	18,300
75	60.3	129.5	12,900
150 Ft. BOOM			
26	82.3	157.4	125,700 *
28	81.5	157.1	125,700 *
30	80.7	156.7	113,900 *
32	80.0	156.4	103,800 *
34	79.2	156.0	94,900 *
36	78.4	155.5	87,200 *
38	77.6	155.1	80,300 *
40	76.8	154.6	74,100 *
45	74.9	153.2	61,200 *
50	72.9	151.7	50,900 *
55	70.8	150.0	41,200 *
60	68.8	148.1	32,200
65	66.7	145.9	24,400
70	64.6	143.6	18,000
75	62.5	141.0	12,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
26	82.8	167.5	123,400 *
28	82.1	167.2	123,400 *
30	81.3	166.9	111,700 *
32	80.6	166.5	101,700 *
34	79.9	166.2	92,900 *
36	79.1	165.8	85,200 *
38	78.4	165.3	78,400 *
40	77.7	164.9	72,300 *
45	75.8	163.6	59,600 *
50	74.0	162.2	49,400 *
55	72.1	160.6	41,100 *
60	70.2	158.8	32,600 *
65	68.3	156.8	24,900
70	66.3	154.6	18,400
75	64.3	152.2	13,000