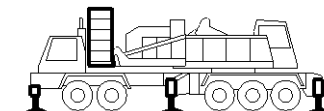


Liftcrane Boom Capacities With Luffing Jib Attached

Boom No. 78T With Heavy Lift Top, Luffing Jib No. 139
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating 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 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 without 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

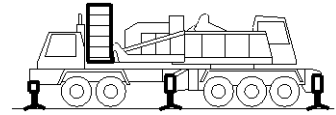
Consult Chart **No. 8100-B** for luffing jib capacities.

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
Without 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	91,500
45	48.6	52.5	72,300
50	41.6	47.1	58,000
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	93,500
45	55.6	65.5	74,100
50	50.4	61.5	59,600
55	44.6	56.6	48,500
60	38.2	50.5	39,700

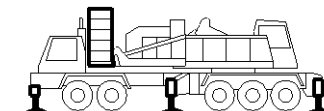
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
16	82.7	88.1	254,100 *
17	82.0	88.0	251,900 *
18	81.3	87.8	244,000 *
19	80.6	87.6	233,800 *
20	79.8	87.4	222,900 *
22	78.4	87.0	201,000 *
24	76.9	86.4	182,500 *
26	75.4	85.9	166,700 *
28	73.9	85.3	151,800 *
30	72.4	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	75,100
50	56.2	74.2	60,600
55	51.7	70.3	49,500
60	46.8	65.8	40,600
65	41.5	60.3	33,400
70	35.5	53.6	27,400
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	76,100
50	60.4	86.2	61,600
55	56.6	82.9	50,400
60	52.7	79.2	41,500
65	48.5	74.8	34,300
70	43.9	69.8	28,300
75	39.0	63.8	23,200

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	76,900
50	63.7	97.6	62,300
55	60.4	94.8	51,000
60	57.0	91.6	42,100
65	53.4	88.0	34,800
70	49.7	83.8	28,700
75	45.8	79.0	23,600
80	41.5	73.5	19,300
85	36.8	67.1	15,500
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	77,500
50	66.3	108.8	62,800
55	63.3	106.3	51,500
60	60.4	103.5	42,500
65	57.3	100.3	35,200
70	54.1	96.7	29,200
75	50.7	92.7	24,100
80	47.2	88.2	19,700
85	43.5	83.0	15,900
90	39.4	77.1	12,600

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
Without 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	78,300
50	68.4	119.7	63,600
55	65.7	117.5	52,300
60	63.1	115.0	43,300
65	60.3	112.2	35,900
70	57.5	109.0	29,900
75	54.6	105.5	24,700
80	51.6	101.6	20,400
85	48.4	97.2	16,600
90	45.0	92.3	13,300
95	41.5	86.8	10,400
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	63,800
55	67.7	128.5	52,400
60	65.3	126.2	43,400
65	62.8	123.6	36,100
70	60.3	120.8	30,000
75	57.7	117.7	24,800
80	55.0	114.2	20,400
85	52.2	110.4	16,600
90	49.4	106.2	13,300
95	46.3	101.5	10,400

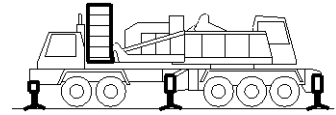
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
24	82.6	147.6	137,200 *
26	81.7	147.3	128,800 *
28	80.9	146.9	121,000 *
30	80.1	146.6	113,600 *
32	79.2	146.2	106,400 *
34	78.4	145.7	99,800 *
36	77.6	145.3	93,700 *
38	76.7	144.8	88,100 *
40	75.9	144.3	82,900 *
45	73.7	142.8	71,500 *
50	71.6	141.2	61,800 *
55	69.4	139.3	52,600
60	67.2	137.2	43,500
65	64.9	134.9	36,200
70	62.6	132.3	30,000
75	60.3	129.5	24,900
80	57.9	126.4	20,500
85	55.4	122.9	16,600
90	52.8	119.2	13,300
95	50.2	115.1	10,400
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	63,300
55	70.8	150.0	51,800
60	68.8	148.1	42,700
65	66.7	145.9	35,300
70	64.6	143.6	29,100
75	62.5	141.0	23,900
80	60.3	138.1	19,500
85	58.0	135.0	15,600
90	55.7	131.7	12,300

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
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers



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

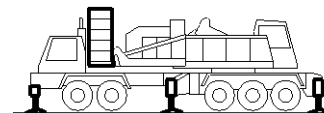
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
60 Ft. BOOM			
14	82.2	68.2	320,600 *
15	81.3	68.0	298,800 *
16	80.3	67.8	279,500 *
17	79.3	67.6	262,200 *
18	78.3	67.4	246,800 *
19	77.3	67.1	232,800 *
20	76.4	66.8	220,200 *
22	74.4	66.2	198,100 *
24	72.3	65.5	179,600 *
26	70.3	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	88,300 *
45	48.6	52.5	69,100 *
50	41.6	47.1	54,900 *
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	90,600 *
45	55.6	65.5	71,300 *
50	50.4	61.5	56,900 *
55	44.6	56.6	45,800 *
60	38.2	50.5	37,000 *

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	91,900 *
45	60.5	77.5	72,500 *
50	56.2	74.2	58,100 *
55	51.7	70.3	47,000 *
60	46.8	65.8	38,200 *
65	41.5	60.3	31,000 *
70	35.5	53.6	25,100 *
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	73,700 *
50	60.4	86.2	59,300 *
55	56.6	82.9	48,100 *
60	52.7	79.2	39,200 *
65	48.5	74.8	32,000 *
70	43.9	69.8	26,100 *
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	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	74,600 *
50	63.7	97.6	60,000 *
55	60.4	94.8	48,800 *
60	57.0	91.6	39,900 *
65	53.4	88.0	32,700 *
70	49.7	83.8	26,700 *
75	45.8	79.0	21,600 *
80	41.5	73.5	17,300 *
85	36.8	67.1	13,500 *
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	75,300 *
50	66.3	108.8	60,700 *
55	63.3	106.3	49,500 *
60	60.4	103.5	40,500 *
65	57.3	100.3	33,200 *
70	54.1	96.7	27,200 *
75	50.7	92.7	22,100 *
80	47.2	88.2	17,800 *
85	43.5	83.0	14,000 *
90	39.4	77.1	10,700 *

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
Without 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	76,200
50	68.4	119.7	61,600
55	65.7	117.5	50,300
60	63.1	115.0	41,300
65	60.3	112.2	34,000
70	57.5	109.0	28,000
75	54.6	105.5	22,900
80	51.6	101.6	18,500
85	48.4	97.2	14,700
90	45.0	92.3	11,500
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	76,600
50	70.1	130.5	61,900
55	67.7	128.5	50,500
60	65.3	126.2	41,500
65	62.8	123.6	34,200
70	60.3	120.8	28,100
75	57.7	117.7	23,000
80	55.0	114.2	18,600
85	52.2	110.4	14,900
90	49.4	106.2	11,600

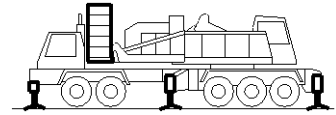
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
24	82.6	147.6	138,200 *
26	81.7	147.3	129,700 *
28	80.9	146.9	121,900 *
30	80.1	146.6	114,500 *
32	79.2	146.2	107,200 *
34	78.4	145.7	100,600 *
36	77.6	145.3	94,400 *
38	76.7	144.8	88,800 *
40	75.9	144.3	83,600 *
45	73.7	142.8	72,100 *
50	71.6	141.2	62,200
55	69.4	139.3	50,800
60	67.2	137.2	41,700
65	64.9	134.9	34,400
70	62.6	132.3	28,300
75	60.3	129.5	23,100
80	57.9	126.4	18,700
85	55.4	122.9	14,900
90	52.8	119.2	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	61,500
55	70.8	150.0	50,000
60	68.8	148.1	40,900
65	66.7	145.9	33,500
70	64.6	143.6	27,400
75	62.5	141.0	22,200
80	60.3	138.1	17,800
85	58.0	135.0	14,000
90	55.7	131.7	10,700

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
Without 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	94,300
40	54.9	56.8	84,800
45	48.6	52.5	65,900
50	41.6	47.1	51,900
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	87,200
45	55.6	65.5	68,200
50	50.4	61.5	54,000
55	44.6	56.6	43,200
60	38.2	50.5	34,600

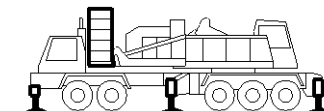
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
16	82.7	88.1	250,700 *
17	82.0	88.0	248,400 *
18	81.3	87.8	239,800 *
19	80.6	87.6	229,700 *
20	79.8	87.4	217,800 *
22	78.4	87.0	196,000 *
24	76.9	86.4	177,700 *
26	75.4	85.9	161,800 *
28	73.9	85.3	146,800 *
30	72.4	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	88,600
45	60.5	77.5	69,500
50	56.2	74.2	55,300
55	51.7	70.3	44,400
60	46.8	65.8	35,700
65	41.5	60.3	28,700
70	35.5	53.6	22,900
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	90,100
45	64.1	89.0	70,800
50	60.4	86.2	56,600
55	56.6	82.9	45,600
60	52.7	79.2	36,900
65	48.5	74.8	29,800
70	43.9	69.8	23,900
75	39.0	63.8	19,000

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	71,800
50	63.7	97.6	57,500
55	60.4	94.8	46,400
60	57.0	91.6	37,600
65	53.4	88.0	30,500
70	49.7	83.8	24,600
75	45.8	79.0	19,600
80	41.5	73.5	15,400
85	36.8	67.1	11,700
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	72,600
50	66.3	108.8	58,200
55	63.3	106.3	47,100
60	60.4	103.5	38,300
65	57.3	100.3	31,100
70	54.1	96.7	25,200
75	50.7	92.7	20,200
80	47.2	88.2	15,900
85	43.5	83.0	12,200

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
Without 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	73,500
50	68.4	119.7	59,100
55	65.7	117.5	48,000
60	63.1	115.0	39,200
65	60.3	112.2	32,000
70	57.5	109.0	26,000
75	54.6	105.5	21,000
80	51.6	101.6	16,700
85	48.4	97.2	13,000
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	59,500
55	67.7	128.5	48,300
60	65.3	126.2	39,400
65	62.8	123.6	32,200
70	60.3	120.8	26,200
75	57.7	117.7	21,200
80	55.0	114.2	16,900
85	52.2	110.4	13,100

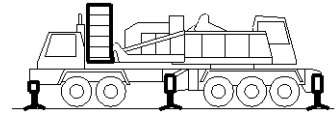
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
24	82.6	147.6	134,500 *
26	81.7	147.3	126,100 *
28	80.9	146.9	118,300 *
30	80.1	146.6	110,900 *
32	79.2	146.2	103,700 *
34	78.4	145.7	97,100 *
36	77.6	145.3	91,000 *
38	76.7	144.8	85,400 *
40	75.9	144.3	80,200 *
45	73.7	142.8	68,800 *
50	71.6	141.2	59,200 *
55	69.4	139.3	48,600
60	67.2	137.2	39,700
65	64.9	134.9	32,400
70	62.6	132.3	26,400
75	60.3	129.5	21,300
80	57.9	126.4	17,000
85	55.4	122.9	13,300
90	52.8	119.2	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	59,200
55	70.8	150.0	47,900
60	68.8	148.1	38,900
65	66.7	145.9	31,600
70	64.6	143.6	25,600
75	62.5	141.0	20,500
80	60.3	138.1	16,100
85	58.0	135.0	12,300

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
Without 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
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	92,900
40	54.9	56.8	83,200
45	48.6	52.5	63,900
50	41.6	47.1	49,600
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	86,200
45	55.6	65.5	66,800
50	50.4	61.5	52,300
55	44.6	56.6	41,200
60	38.2	50.5	32,400

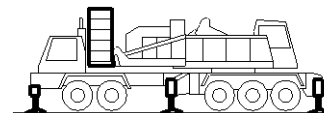
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
16	82.7	88.1	251,600 *
17	82.0	88.0	249,200 *
18	81.3	87.8	241,600 *
19	80.6	87.6	231,300 *
20	79.8	87.4	219,300 *
22	78.4	87.0	197,200 *
24	76.9	86.4	178,500 *
26	75.4	85.9	162,500 *
28	73.9	85.3	147,300 *
30	72.4	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	88,000
45	60.5	77.5	68,500
50	56.2	74.2	54,100
55	51.7	70.3	42,900
60	46.8	65.8	34,000
65	41.5	60.3	26,800
70	35.5	53.6	20,800
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	89,800
45	64.1	89.0	70,200
50	60.4	86.2	55,700
55	56.6	82.9	44,400
60	52.7	79.2	35,500
65	48.5	74.8	28,300
70	43.9	69.8	22,300
75	39.0	63.8	17,200

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	71,400
50	63.7	97.6	56,800
55	60.4	94.8	45,500
60	57.0	91.6	36,500
65	53.4	88.0	29,200
70	49.7	83.8	23,200
75	45.8	79.0	18,100
80	41.5	73.5	13,700
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	72,400
50	66.3	108.8	57,700
55	63.3	106.3	46,400
60	60.4	103.5	37,400
65	57.3	100.3	30,100
70	54.1	96.7	24,000
75	50.7	92.7	18,900
80	47.2	88.2	14,500
85	43.5	83.0	10,700

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
Without 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	73,500
50	68.4	119.7	58,800
55	65.7	117.5	47,400
60	63.1	115.0	38,400
65	60.3	112.2	31,100
70	57.5	109.0	25,000
75	54.6	105.5	19,900
80	51.6	101.6	15,500
85	48.4	97.2	11,700
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	59,300
55	67.7	128.5	47,900
60	65.3	126.2	38,800
65	62.8	123.6	31,500
70	60.3	120.8	25,300
75	57.7	117.7	20,200
80	55.0	114.2	15,800
85	52.2	110.4	12,000

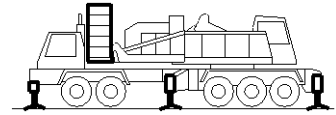
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
24	82.6	147.6	135,300 *
26	81.7	147.3	126,800 *
28	80.9	146.9	119,000 *
30	80.1	146.6	111,500 *
32	79.2	146.2	104,200 *
34	78.4	145.7	97,500 *
36	77.6	145.3	91,300 *
38	76.7	144.8	85,600 *
40	75.9	144.3	80,400 *
45	73.7	142.8	68,800 *
50	71.6	141.2	59,000 *
55	69.4	139.3	48,300
60	67.2	137.2	39,200
65	64.9	134.9	31,800
70	62.6	132.3	25,600
75	60.3	129.5	20,500
80	57.9	126.4	16,000
85	55.4	122.9	12,200
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	59,200
55	70.8	150.0	47,700
60	68.8	148.1	38,500
65	66.7	145.9	31,100
70	64.6	143.6	24,900
75	62.5	141.0	19,700
80	60.3	138.1	15,200
85	58.0	135.0	11,400

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
Without 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	90,100
40	54.9	56.8	80,400
45	48.6	52.5	61,400
50	41.6	47.1	47,300
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	83,700
45	55.6	65.5	64,400
50	50.4	61.5	50,200
55	44.6	56.6	39,200
60	38.2	50.5	30,400

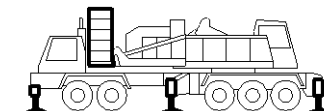
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
16	82.7	88.1	249,900 *
17	82.0	88.0	247,400 *
18	81.3	87.8	239,400 *
19	80.6	87.6	229,200 *
20	79.8	87.4	217,200 *
22	78.4	87.0	195,100 *
24	76.9	86.4	176,500 *
26	75.4	85.9	160,400 *
28	73.9	85.3	145,300 *
30	72.4	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	85,600
45	60.5	77.5	66,300
50	56.2	74.2	52,000
55	51.7	70.3	41,000
60	46.8	65.8	32,200
65	41.5	60.3	25,100
70	35.5	53.6	19,200
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	87,500
45	64.1	89.0	68,100
50	60.4	86.2	53,700
55	56.6	82.9	42,600
60	52.7	79.2	33,800
65	48.5	74.8	26,600
70	43.9	69.8	20,700
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	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	88,900
45	66.9	100.1	69,400
50	63.7	97.6	54,900
55	60.4	94.8	43,800
60	57.0	91.6	34,900
65	53.4	88.0	27,700
70	49.7	83.8	21,700
75	45.8	79.0	16,600
80	41.5	73.5	12,300
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	70,500
50	66.3	108.8	55,900
55	63.3	106.3	44,700
60	60.4	103.5	35,800
65	57.3	100.3	28,600
70	54.1	96.7	22,600
75	50.7	92.7	17,500
80	47.2	88.2	13,200

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
Without 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	71,700
50	68.4	119.7	57,100
55	65.7	117.5	45,800
60	63.1	115.0	36,900
65	60.3	112.2	29,600
70	57.5	109.0	23,600
75	54.6	105.5	18,500
80	51.6	101.6	14,200
85	48.4	97.2	10,400
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	57,600
55	67.7	128.5	46,300
60	65.3	126.2	37,400
65	62.8	123.6	30,100
70	60.3	120.8	24,000
75	57.7	117.7	18,900
80	55.0	114.2	14,500
85	52.2	110.4	10,800

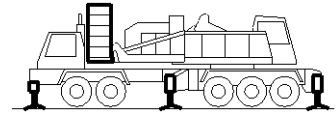
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
24	82.6	147.6	134,000 *
26	81.7	147.3	125,500 *
28	80.9	146.9	117,700 *
30	80.1	146.6	110,100 *
32	79.2	146.2	102,900 *
34	78.4	145.7	96,200 *
36	77.6	145.3	90,000 *
38	76.7	144.8	84,400 *
40	75.9	144.3	79,200 *
45	73.7	142.8	67,600 *
50	71.6	141.2	57,900 *
55	69.4	139.3	46,800
60	67.2	137.2	37,800
65	64.9	134.9	30,400
70	62.6	132.3	24,300
75	60.3	129.5	19,200
80	57.9	126.4	14,800
85	55.4	122.9	11,100
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	57,600
55	70.8	150.0	46,200
60	68.8	148.1	37,100
65	66.7	145.9	29,800
70	64.6	143.6	23,600
75	62.5	141.0	18,500
80	60.3	138.1	14,100
85	58.0	135.0	10,300

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
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers



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

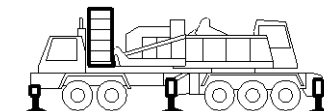
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
60 Ft. BOOM			
14	82.2	68.2	312,500 *
15	81.3	68.0	290,700 *
16	80.3	67.8	271,300 *
17	79.3	67.6	254,100 *
18	78.3	67.4	238,600 *
19	77.3	67.1	224,600 *
20	76.4	66.8	211,900 *
22	74.4	66.2	189,800 *
24	72.3	65.5	171,200 *
26	70.3	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	85,600 *
40	54.9	56.8	76,200 *
45	48.6	52.5	57,400 *
50	41.6	47.1	43,500 *
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	89,300 *
40	60.6	68.9	79,700 *
45	55.6	65.5	60,700 *
50	50.4	61.5	46,700 *
55	44.6	56.6	35,800 *
60	38.2	50.5	27,200 *

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	81,900 *
45	60.5	77.5	62,800 *
50	56.2	74.2	48,700 *
55	51.7	70.3	37,800 *
60	46.8	65.8	29,200 *
65	41.5	60.3	22,200 *
70	35.5	53.6	16,300 *
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	83,900 *
45	64.1	89.0	64,800 *
50	60.4	86.2	50,600 *
55	56.6	82.9	39,600 *
60	52.7	79.2	30,900 *
65	48.5	74.8	23,800 *
70	43.9	69.8	18,000 *
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	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	85,500 *
45	66.9	100.1	66,200 *
50	63.7	97.6	51,900 *
55	60.4	94.8	40,900 *
60	57.0	91.6	32,100 *
65	53.4	88.0	25,000 *
70	49.7	83.8	19,100 *
75	45.8	79.0	14,100 *
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	86,700 *
45	69.1	111.0	67,400 *
50	66.3	108.8	53,000 *
55	63.3	106.3	41,900 *
60	60.4	103.5	33,100 *
65	57.3	100.3	26,000 *
70	54.1	96.7	20,100 *
75	50.7	92.7	15,100 *
80	47.2	88.2	10,800 *

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
Without 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	68,600
50	68.4	119.7	54,200
55	65.7	117.5	43,100
60	63.1	115.0	34,300
65	60.3	112.2	27,100
70	57.5	109.0	21,200
75	54.6	105.5	16,200
80	51.6	101.6	11,900
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	69,300
50	70.1	130.5	54,900
55	67.7	128.5	43,700
60	65.3	126.2	34,800
65	62.8	123.6	27,600
70	60.3	120.8	21,600
75	57.7	117.7	16,600
80	55.0	114.2	12,300

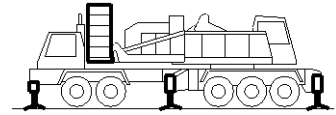
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
24	82.6	147.6	132,000 *
26	81.7	147.3	123,500 *
28	80.9	146.9	115,700 *
30	80.1	146.6	108,100 *
32	79.2	146.2	100,800 *
34	78.4	145.7	94,200 *
36	77.6	145.3	88,100 *
38	76.7	144.8	82,400 *
40	75.9	144.3	77,200 *
45	73.7	142.8	65,700 *
50	71.6	141.2	55,400
55	69.4	139.3	44,200
60	67.2	137.2	35,300
65	64.9	134.9	28,100
70	62.6	132.3	22,000
75	60.3	129.5	17,000
80	57.9	126.4	12,700
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	55,000
55	70.8	150.0	43,700
60	68.8	148.1	34,700
65	66.7	145.9	27,400
70	64.6	143.6	21,400
75	62.5	141.0	16,300
80	60.3	138.1	11,900

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
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers



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

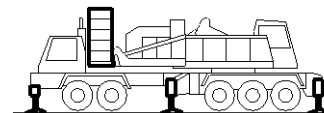
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
60 Ft. BOOM			
14	82.2	68.2	317,800 *
15	81.3	68.0	295,500 *
16	80.3	67.8	275,600 *
17	79.3	67.6	258,000 *
18	78.3	67.4	242,100 *
19	77.3	67.1	227,800 *
20	76.4	66.8	214,800 *
22	74.4	66.2	192,200 *
24	72.3	65.5	173,100 *
26	70.3	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	85,800 *
40	54.9	56.8	76,000 *
45	48.6	52.5	56,600 *
50	41.6	47.1	42,100 *
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	90,000 *
40	60.6	68.9	80,100 *
45	55.6	65.5	60,600 *
50	50.4	61.5	46,000 *
55	44.6	56.6	34,800 *
60	38.2	50.5	25,800 *

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	82,800 *
45	60.5	77.5	63,100 *
50	56.2	74.2	48,600 *
55	51.7	70.3	37,300 *
60	46.8	65.8	28,300 *
65	41.5	60.3	21,000 *
70	35.5	53.6	15,000 *
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	85,200 *
45	64.1	89.0	65,400 *
50	60.4	86.2	50,800 *
55	56.6	82.9	39,500 *
60	52.7	79.2	30,500 *
65	48.5	74.8	23,100 *
70	43.9	69.8	17,000 *
75	39.0	63.8	11,900 *

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	87,000 *
45	66.9	100.1	67,100 *
50	63.7	97.6	52,400 *
55	60.4	94.8	41,000 *
60	57.0	91.6	32,000 *
65	53.4	88.0	24,600 *
70	49.7	83.8	18,500 *
75	45.8	79.0	13,300 *
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	68,500 *
50	66.3	108.8	53,700 *
55	63.3	106.3	42,300 *
60	60.4	103.5	33,200 *
65	57.3	100.3	25,800 *
70	54.1	96.7	19,700 *
75	50.7	92.7	14,500 *
80	47.2	88.2	10,100 *

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
Without 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	70,000
50	68.4	119.7	55,100
55	65.7	117.5	43,700
60	63.1	115.0	34,600
65	60.3	112.2	27,200
70	57.5	109.0	21,000
75	54.6	105.5	15,800
80	51.6	101.6	11,400
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	70,800
50	70.1	130.5	55,900
55	67.7	128.5	44,400
60	65.3	126.2	35,200
65	62.8	123.6	27,800
70	60.3	120.8	21,600
75	57.7	117.7	16,400
80	55.0	114.2	12,000

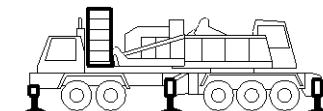
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
24	82.6	147.6	134,100 *
26	81.7	147.3	125,500 *
28	80.9	146.9	117,500 *
30	80.1	146.6	109,900 *
32	79.2	146.2	102,500 *
34	78.4	145.7	95,800 *
36	77.6	145.3	89,500 *
38	76.7	144.8	83,800 *
40	75.9	144.3	78,500 *
45	73.7	142.8	66,800 *
50	71.6	141.2	56,600
55	69.4	139.3	45,000
60	67.2	137.2	35,800
65	64.9	134.9	28,400
70	62.6	132.3	22,200
75	60.3	129.5	16,900
80	57.9	126.4	12,500
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	56,200
55	70.8	150.0	44,600
60	68.8	148.1	35,400
65	66.7	145.9	27,900
70	64.6	143.6	21,600
75	62.5	141.0	16,400
80	60.3	138.1	11,900

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
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers



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

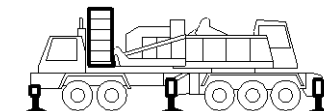
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
60 Ft. BOOM			
14	82.2	68.2	314,500 *
15	81.3	68.0	292,200 *
16	80.3	67.8	272,400 *
17	79.3	67.6	254,700 *
18	78.3	67.4	238,900 *
19	77.3	67.1	224,600 *
20	76.4	66.8	211,700 *
22	74.4	66.2	189,100 *
24	72.3	65.5	170,000 *
26	70.3	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	92,700 *
38	57.2	58.2	81,400 *
40	54.9	56.8	71,800 *
45	48.6	52.5	52,600 *
50	41.6	47.1	38,300 *
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	86,100 *
40	60.6	68.9	76,300 *
45	55.6	65.5	56,900 *
50	50.4	61.5	42,500 *
55	44.6	56.6	31,400 *
60	38.2	50.5	22,500 *

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	89,000 *
40	64.6	80.3	79,200 *
45	60.5	77.5	59,700 *
50	56.2	74.2	45,300 *
55	51.7	70.3	34,100 *
60	46.8	65.8	25,300 *
65	41.5	60.3	18,000 *
70	35.5	53.6	12,000 *
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	81,800 *
45	64.1	89.0	62,200 *
50	60.4	86.2	47,700 *
55	56.6	82.9	36,500 *
60	52.7	79.2	27,600 *
65	48.5	74.8	20,300 *
70	43.9	69.8	14,300 *

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	83,800 *
45	66.9	100.1	64,100 *
50	63.7	97.6	49,500 *
55	60.4	94.8	38,200 *
60	57.0	91.6	29,200 *
65	53.4	88.0	21,900 *
70	49.7	83.8	15,900 *
75	45.8	79.0	10,800 *
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	85,400 *
45	69.1	111.0	65,600 *
50	66.3	108.8	50,900 *
55	63.3	106.3	39,600 *
60	60.4	103.5	30,600 *
65	57.3	100.3	23,300 *
70	54.1	96.7	17,200 *
75	50.7	92.7	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
Without 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	67,200 *
50	68.4	119.7	52,400 *
55	65.7	117.5	41,100 *
60	63.1	115.0	32,100 *
65	60.3	112.2	24,700 *
70	57.5	109.0	18,600 *
75	54.6	105.5	13,500 *
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	68,100 *
50	70.1	130.5	53,300 *
55	67.7	128.5	41,900 *
60	65.3	126.2	32,800 *
65	62.8	123.6	25,500 *
70	60.3	120.8	19,300 *
75	57.7	117.7	14,200 *

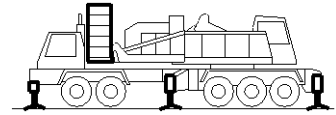
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
24	82.6	147.6	132,400 *
26	81.7	147.3	123,700 *
28	80.9	146.9	115,800 *
30	80.1	146.6	108,100 *
32	79.2	146.2	100,800 *
34	78.4	145.7	94,000 *
36	77.6	145.3	87,800 *
38	76.7	144.8	82,000 *
40	75.9	144.3	76,700 *
45	73.7	142.8	65,000 *
50	71.6	141.2	54,100 *
55	69.4	139.3	42,600 *
60	67.2	137.2	33,500 *
65	64.9	134.9	26,100 *
70	62.6	132.3	19,900 *
75	60.3	129.5	14,700 *
80	57.9	126.4	10,300 *
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	53,800 *
55	70.8	150.0	42,300 *
60	68.8	148.1	33,100 *
65	66.7	145.9	25,600 *
70	64.6	143.6	19,500 *
75	62.5	141.0	14,200 *

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
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers



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

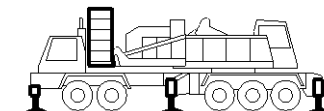
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
60 Ft. BOOM			
14	82.2	68.2	312,000 *
15	81.3	68.0	289,700 *
16	80.3	67.8	270,000 *
17	79.3	67.6	252,300 *
18	78.3	67.4	236,500 *
19	77.3	67.1	222,300 *
20	76.4	66.8	209,400 *
22	74.4	66.2	186,800 *
24	72.3	65.5	167,800 *
26	70.3	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	89,500 *
38	57.2	58.2	78,300 *
40	54.9	56.8	68,700 *
45	48.6	52.5	49,700 *
50	41.6	47.1	35,600 *
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	83,200 *
40	60.6	68.9	73,500 *
45	55.6	65.5	54,300 *
50	50.4	61.5	40,100 *
55	44.6	56.6	29,100 *
60	38.2	50.5	20,300 *

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	86,400 *
40	64.6	80.3	76,700 *
45	60.5	77.5	57,400 *
50	56.2	74.2	43,100 *
55	51.7	70.3	32,000 *
60	46.8	65.8	23,200 *
65	41.5	60.3	16,100 *
70	35.5	53.6	10,100 *
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	89,200 *
40	67.6	91.4	79,400 *
45	64.1	89.0	60,000 *
50	60.4	86.2	45,600 *
55	56.6	82.9	34,500 *
60	52.7	79.2	25,700 *
65	48.5	74.8	18,500 *
70	43.9	69.8	12,500 *

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	81,500 *
45	66.9	100.1	62,000 *
50	63.7	97.6	47,500 *
55	60.4	94.8	36,300 *
60	57.0	91.6	27,400 *
65	53.4	88.0	20,200 *
70	49.7	83.8	14,200 *
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	83,300 *
45	69.1	111.0	63,600 *
50	66.3	108.8	49,100 *
55	63.3	106.3	37,900 *
60	60.4	103.5	28,900 *
65	57.3	100.3	21,700 *
70	54.1	96.7	15,600 *
75	50.7	92.7	10,600 *

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
Without 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	65,300
50	68.4	119.7	50,700
55	65.7	117.5	39,400
60	63.1	115.0	30,500
65	60.3	112.2	23,200
70	57.5	109.0	17,100
75	54.6	105.5	12,000
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	66,300
50	70.1	130.5	51,600
55	67.7	128.5	40,300
60	65.3	126.2	31,300
65	62.8	123.6	24,000
70	60.3	120.8	17,900
75	57.7	117.7	12,800

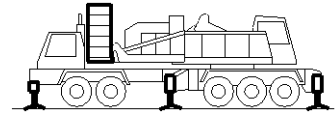
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
24	82.6	147.6	131,200 *
26	81.7	147.3	122,500 *
28	80.9	146.9	114,600 *
30	80.1	146.6	106,900 *
32	79.2	146.2	99,500 *
34	78.4	145.7	92,800 *
36	77.6	145.3	86,600 *
38	76.7	144.8	80,900 *
40	75.9	144.3	75,600 *
45	73.7	142.8	63,900 *
50	71.6	141.2	52,400
55	69.4	139.3	41,100
60	67.2	137.2	32,000
65	64.9	134.9	24,700
70	62.6	132.3	18,600
75	60.3	129.5	13,400
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	52,200
55	70.8	150.0	40,800
60	68.8	148.1	31,700
65	66.7	145.9	24,300
70	64.6	143.6	18,100
75	62.5	141.0	13,000

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
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers



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

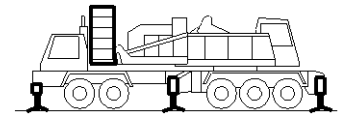
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
60 Ft. BOOM			
14	82.2	68.2	308,500 *
15	81.3	68.0	286,200 *
16	80.3	67.8	266,500 *
17	79.3	67.6	248,900 *
18	78.3	67.4	233,100 *
19	77.3	67.1	218,900 *
20	76.4	66.8	206,000 *
22	74.4	66.2	183,500 *
24	72.3	65.5	164,500 *
26	70.3	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	84,800 *
38	57.2	58.2	73,800 *
40	54.9	56.8	64,300 *
45	48.6	52.5	45,500 *
50	41.6	47.1	31,600 *
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	90,200 *
38	62.5	70.0	79,000 *
40	60.6	68.9	69,500 *
45	55.6	65.5	50,500 *
50	50.4	61.5	36,400 *
55	44.6	56.6	25,500 *
60	38.2	50.5	16,800 *

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	82,500 *
40	64.6	80.3	72,900 *
45	60.5	77.5	53,800 *
50	56.2	74.2	39,600 *
55	51.7	70.3	28,700 *
60	46.8	65.8	20,000 *
65	41.5	60.3	12,900 *
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	85,600 *
40	67.6	91.4	75,900 *
45	64.1	89.0	56,600 *
50	60.4	86.2	42,400 *
55	56.6	82.9	31,400 *
60	52.7	79.2	22,700 *
65	48.5	74.8	15,500 *

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	78,200 *
45	66.9	100.1	58,800 *
50	63.7	97.6	44,400 *
55	60.4	94.8	33,400 *
60	57.0	91.6	24,600 *
65	53.4	88.0	17,400 *
70	49.7	83.8	11,500 *
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	80,000 *
45	69.1	111.0	60,600 *
50	66.3	108.8	46,200 *
55	63.3	106.3	35,000 *
60	60.4	103.5	26,200 *
65	57.3	100.3	19,000 *
70	54.1	96.7	13,000 *

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
Without 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	62,400
50	68.4	119.7	47,900
55	65.7	117.5	36,700
60	63.1	115.0	27,800
65	60.3	112.2	20,600
70	57.5	109.0	14,600
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	63,500
50	70.1	130.5	48,900
55	67.7	128.5	37,700
60	65.3	126.2	28,800
65	62.8	123.6	21,500
70	60.3	120.8	15,500
75	57.7	117.7	10,400

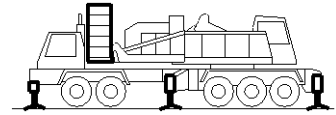
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
24	82.6	147.6	129,300 *
26	81.7	147.3	120,700 *
28	80.9	146.9	112,800 *
30	80.1	146.6	105,000 *
32	79.2	146.2	97,700 *
34	78.4	145.7	90,900 *
36	77.6	145.3	84,700 *
38	76.7	144.8	79,000 *
40	75.9	144.3	73,700 *
45	73.7	142.8	62,000 *
50	71.6	141.2	49,800
55	69.4	139.3	38,500
60	67.2	137.2	29,600
65	64.9	134.9	22,300
70	62.6	132.3	16,200
75	60.3	129.5	11,100
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	49,700
55	70.8	150.0	38,300
60	68.8	148.1	29,300
65	66.7	145.9	22,000
70	64.6	143.6	15,900
75	62.5	141.0	10,800

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
Without 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	80,400 *
38	57.2	58.2	69,500 *
40	54.9	56.8	60,100 *
45	48.6	52.5	41,600 *
50	41.6	47.1	27,800 *
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	86,200 *
38	62.5	70.0	75,200 *
40	60.6	68.9	65,700 *
45	55.6	65.5	46,900 *
50	50.4	61.5	33,000 *
55	44.6	56.6	22,200 *
60	38.2	50.5	13,700 *

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	78,900 *
40	64.6	80.3	69,400 *
45	60.5	77.5	50,500 *
50	56.2	74.2	36,500 *
55	51.7	70.3	25,700 *
60	46.8	65.8	17,100 *
65	41.5	60.3	10,100 *
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	82,200 *
40	67.6	91.4	72,600 *
45	64.1	89.0	53,600 *
50	60.4	86.2	39,500 *
55	56.6	82.9	28,600 *
60	52.7	79.2	19,900 *
65	48.5	74.8	12,900 *

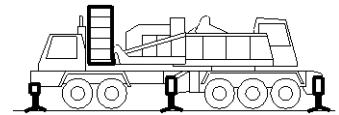
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
18	83.0	108.1	201,200 *
19	82.5	107.9	193,000 *
20	81.9	107.7	185,200 *
22	80.7	107.4	171,000 *
24	79.6	107.0	158,200 *
26	78.4	106.5	146,600 *
28	77.2	106.1	136,500 *
30	76.0	105.5	123,500 *
32	74.8	105.0	112,100 *
34	73.6	104.3	102,200 *
36	72.4	103.7	93,400 *
38	71.2	103.0	84,700 *
40	70.0	102.2	75,100 *
45	66.9	100.1	55,900 *
50	63.7	97.6	41,700 *
55	60.4	94.8	30,700 *
60	57.0	91.6	22,000 *
65	53.4	88.0	14,900 *
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	77,100 *
45	69.1	111.0	57,800 *
50	66.3	108.8	43,500 *
55	63.3	106.3	32,500 *
60	60.4	103.5	23,800 *
65	57.3	100.3	16,600 *
70	54.1	96.7	10,700 *

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
Without 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	79,000 *
45	70.9	121.7	59,700 *
50	68.4	119.7	45,400 *
55	65.7	117.5	34,300 *
60	63.1	115.0	25,500 *
65	60.3	112.2	18,400 *
70	57.5	109.0	12,400 *
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	60,900 *
50	70.1	130.5	46,500 *
55	67.7	128.5	35,400 *
60	65.3	126.2	26,500 *
65	62.8	123.6	19,400 *
70	60.3	120.8	13,400 *

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	47,500 *
55	69.4	139.3	36,300 *
60	67.2	137.2	27,400 *
65	64.9	134.9	20,200 *
70	62.6	132.3	14,200 *
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	47,400 *
55	70.8	150.0	36,200 *
60	68.8	148.1	27,200 *
65	66.7	145.9	20,000 *
70	64.6	143.6	13,900 *