

Liftcrane Boom Capacities

Boom No. 83
53,000 Lb. Counterweight
23 Ft. 6 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

LIFTING CAPACITIES: Lifting capacities are for a crawler machine when operating on a barge. Machine shall be positively secured to prevent shifting. Lifting capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*).

Capacities indicated by (b) require 3,900 Lb. minimum weight. Capacities indicated by (c) require 10,000 Lb. minimum weight. Capacities indicated by (d) require 15,000 Lb. minimum weight.

To maintain boom and mast stability at high boom angles, a minimum of 4 parts hoist line is required for capacities denoted by (c) and (d).

Upper boom point operation not allowed on capacities denoted by (b), (c) or (d).

Upper boom point capacity for liftcrane service is 66,000 Lbs. with single part 38 mm whip line. Upper boom point capacity for liftcrane service is 44,000 Lbs. with single part 32 mm whip line or 66,000 Lbs. with two part whip line. When boom butt mounted auxiliary drum equipped for 28 mm wire rope is used, capacity with single part whip line is 33,000 Lbs. or 66,000 Lbs. with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

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

OPERATING CONDITIONS: Machine to operate in a level position on a firm uniformly supporting surface with machine list not to exceed degrees noted and gantry up. Refer to boom rigging **No. A00005** and Wire Rope Specification chart **No. 8474-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.

OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation at barge deck 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 barge deck to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 23 Ft. 6 in. extendible crawlers, 39-3/8 in. treads, 9 Ft. 7 in. gantry, 25 Ft. live mast, 12 part boom hoist reeving, two 1-1/2 in. pendants and 53,000 Lb. counterweight.

Upper Boom Point Deduct

Deduct 1,300 Lbs. from capacities when upper boom point is attached.

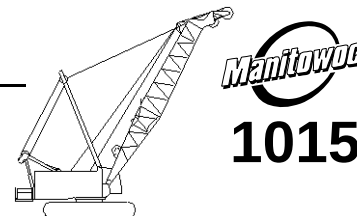
Auxiliary Drum Deduct

Deduct 2,000 Lbs. from boom capacities when boom butt is equipped with auxiliary drum.

Maximum Boom Lengths Lifted Unassisted

	Over Front of Blocked Crawlers	Over Rear of Blocked Crawlers	Over Side of Extended Crawlers
List	Boom Length	Boom Length	Boom Length
0 Degree	(a) 200 Ft.	180 Ft.	160 Ft.
1 Degree	(a) 200 Ft.	180 Ft.	160 Ft.
2 Degree	190 Ft.	180 Ft.	150 Ft.
3 Degree	180 Ft.	180 Ft.	150 Ft.

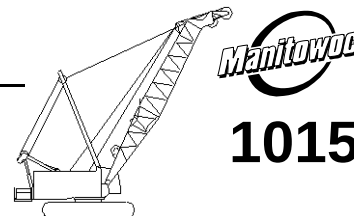
Load block, hook and weight ball on barge deck at start. (a) Upper boom point cannot be attached on 200 Ft. boom. Jib cannot be attached on crawler machine while operating on a barge.


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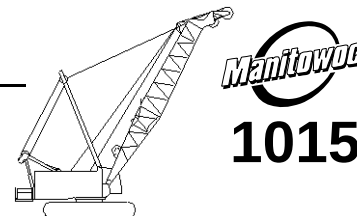
Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
50 Ft. Boom							
14	82.0	57.4	264,600 *d	245,900 *d			14
15	80.8	57.2	252,700 *d	241,200 d	214,700 d		15
16	79.6	57.0	243,200 c	216,500 c	194,700 c	176,400 c	16
17	78.5	56.7	218,200 c	196,300 c	177,900 c	162,400 c	17
18	77.3	56.5	197,700 c	179,400 c	163,800 c	150,300 c	18
19	76.1	56.2	180,600 c	165,000 c	151,600 c	139,900 c	19
20	74.9	55.8	166,100 b	152,700 b	141,000 b	130,700 b	20
22	72.5	55.2	142,900 b	132,600 b	123,500 b	115,400 b	22
24	70.0	54.4	125,000 b	117,000 b	109,700 b	103,100 b	24
26	67.5	53.5	110,900	104,400	98,500	93,000	26
28	64.9	52.5	99,500	94,100	89,200	84,600	28
30	62.3	51.3	90,000	85,500	81,400	77,500	30
32	59.6	50.1	82,000	78,200	74,700	71,400	32
34	56.8	48.7	75,200	72,000	68,900	66,000	34
36	53.9	47.2	69,300	66,500	63,900	61,400	36
38	50.9	45.5	64,200	61,700	59,400	57,200	38
40	47.8	43.5	59,600	57,500	55,500	53,600	40
45	38.9	37.7	50,300	48,800	47,300	45,900	45
50	27.6	29.1	43,000	42,000	40,900	39,900	50
60 Ft. Boom							
15	82.4	67.4	254,900 *d				15
16	81.4	67.2	243,800 c	213,200 c			16
17	80.4	67.0	218,800 c	193,500 c	173,000 c		17
18	79.4	66.8	198,200 c	177,000 c	159,500 c	144,700 c	18
19	78.5	66.5	181,100 c	163,000 c	147,900 c	134,900 c	19
20	77.5	66.3	166,500 b	151,000 b	137,700 b	126,300 b	20
22	75.5	65.7	143,200 b	131,300 b	121,000 b	111,900 b	22
24	73.5	65.0	125,300 b	115,900 b	107,600 b	100,200 b	24
26	71.4	64.3	111,200	103,600	96,800	90,600	26
28	69.4	63.5	99,700	93,400	87,700	82,500	28
30	67.3	62.6	90,200	84,900	80,100	75,700	30
32	65.2	61.6	82,200	77,700	73,600	69,800	32
34	63.0	60.5	75,400	71,600	68,000	64,600	34
36	60.8	59.4	69,500	66,200	63,000	60,100	36
38	58.5	58.1	64,400	61,500	58,700	56,100	38
40	56.2	56.7	59,800	57,300	54,800	52,500	40
45	50.0	52.6	50,600	48,700	46,900	45,100	45
50	43.2	47.4	43,400	42,000	40,600	39,200	50
55	35.2	40.7	37,700	36,600	35,500	34,500	55
60	24.9	31.2	32,900	32,100	31,300	30,600	60


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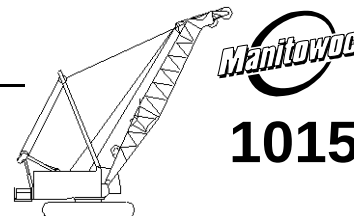
Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
70 Ft. Boom							
16	82.6	77.3	244,100 c				16
17	81.8	77.2	219,000 c	190,500 c			17
18	81.0	77.0	198,400 c	174,500 c	155,200 c		18
19	80.1	76.8	181,200 c	160,900 c	144,200 c		19
20	79.3	76.6	166,700 b	149,100 b	134,500 b	122,100 b	20
22	77.6	76.1	143,300 b	129,800 b	118,400 b	108,500 b	22
24	75.9	75.5	125,400 b	114,800 b	105,500 b	97,400 b	24
26	74.2	74.9	111,300	102,600	95,000	88,200	26
28	72.5	74.2	99,800	92,600	86,200	80,500	28
30	70.7	73.5	90,300	84,300	78,800	73,900	30
32	69.0	72.7	82,300	77,200	72,500	68,200	32
34	67.2	71.8	75,500	71,000	67,000	63,300	34
36	65.4	70.8	69,600	65,700	62,200	58,900	36
38	63.5	69.8	64,500	61,100	57,900	55,000	38
40	61.6	68.6	59,900	56,900	54,200	51,600	40
45	56.8	65.4	50,700	48,400	46,300	44,300	45
50	51.6	61.5	43,600	41,800	40,200	38,600	50
55	45.9	56.8	37,900	36,500	35,200	34,000	55
60	39.7	51.0	33,200	32,200	31,100	30,100	60
65	32.3	43.5	29,300	28,500	27,700	26,900	65
70	22.8	33.1	26,000	25,400	24,700	24,100	70
80 Ft. Boom							
17	82.8	87.3	218,000 c				17
18	82.1	87.1	197,500 c				18
19	81.4	87.0	180,300 b	157,800 b			19
20	80.7	86.8	165,800 b	146,300 b	130,500 b		20
22	79.2	86.3	142,500 b	127,500 b	115,100 b	104,500 b	22
24	77.7	85.9	124,600	112,800	102,700	94,000	24
26	76.2	85.3	110,500	100,900	92,500	85,300	26
28	74.7	84.8	99,100	91,100	84,100	77,900	28
30	73.2	84.1	89,600	82,900	76,900	71,600	30
32	71.7	83.4	81,600	75,900	70,700	66,100	32
34	70.2	82.7	74,800	69,900	65,400	61,300	34
36	68.6	81.8	69,000	64,600	60,700	57,100	36
38	67.1	80.9	63,800	60,000	56,600	53,300	38
40	65.5	80.0	59,300	56,000	52,900	50,000	40
45	61.4	77.3	50,100	47,600	45,200	43,000	45
50	57.2	74.1	43,100	41,100	39,200	37,400	50
55	52.7	70.3	37,400	35,800	34,300	32,900	55
60	47.9	65.9	32,800	31,600	30,300	29,200	60
65	42.7	60.7	29,000	28,000	27,000	26,000	65
70	36.9	54.2	25,800	24,900	24,100	23,300	70
75	30.1	46.1	23,000	22,300	21,600	21,000	75
80	21.2	34.8	20,500	20,000	19,500	18,900	80



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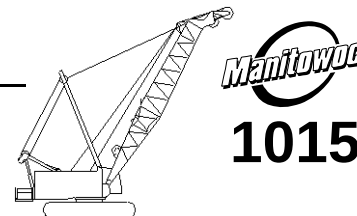
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90 Ft. Boom							
18	83.0	97.3	197,400 c				18
19	82.4	97.1	180,300 b				19
20	81.7	96.9	165,700 b	144,300 b			20
22	80.4	96.6	142,400 b	125,900 b	112,500 b		22
24	79.1	96.1	124,500	111,500	100,500	91,300	24
26	77.8	95.7	110,400	99,800	90,700	82,900	26
28	76.5	95.2	98,900	90,100	82,500	75,800	28
30	75.2	94.6	89,400	82,000	75,500	69,800	30
32	73.8	94.0	81,400	75,100	69,500	64,500	32
34	72.5	93.3	74,600	69,200	64,300	59,900	34
36	71.1	92.6	68,800	64,000	59,700	55,800	36
38	69.8	91.8	63,700	59,400	55,600	52,100	38
40	68.4	91.0	59,200	55,400	52,000	48,900	40
45	64.9	88.7	50,000	47,100	44,500	42,000	45
50	61.3	85.9	42,900	40,600	38,600	36,600	50
55	57.5	82.8	37,300	35,500	33,800	32,200	55
60	53.6	79.1	32,700	31,200	29,800	28,500	60
65	49.4	74.9	28,900	27,700	26,500	25,400	65
70	44.9	70.0	25,700	24,700	23,700	22,800	70
75	40.1	64.2	22,900	22,100	21,300	20,500	75
80	34.6	57.3	20,500	19,800	19,100	18,500	80
85	28.2	48.6	18,400	17,800	17,300	16,700	85
90	19.9	36.5	16,500	16,000	15,600	15,100	90
100 Ft. Boom							
20	82.5	107.1	165,700 b				20
22	81.4	106.7	142,300 b	124,400 b			22
24	80.2	106.4	124,400	110,200	98,400		24
26	79.0	105.9	110,200	98,600	88,900	80,600	26
28	77.9	105.5	98,700	89,100	80,900	73,800	28
30	76.7	105.0	89,200	81,100	74,100	68,000	30
32	75.5	104.4	81,200	74,300	68,200	62,900	32
34	74.3	103.8	74,400	68,400	63,100	58,400	34
36	73.1	103.2	68,500	63,300	58,600	54,400	36
38	71.9	102.5	63,400	58,800	54,600	50,900	38
40	70.7	101.8	58,900	54,800	51,100	47,700	40
45	67.6	99.7	49,700	46,500	43,600	41,000	45
50	64.4	97.3	42,600	40,100	37,800	35,700	50
55	61.1	94.6	36,900	35,000	33,100	31,400	55
60	57.8	91.5	32,400	30,700	29,200	27,800	60
65	54.2	87.9	28,600	27,200	25,900	24,700	65
70	50.6	83.8	25,300	24,200	23,100	22,100	70
75	46.6	79.2	22,600	21,600	20,700	19,800	75
80	42.5	73.9	20,200	19,400	18,600	17,900	80
85	37.9	67.6	18,100	17,400	16,800	16,100	85
90	32.7	60.2	16,300	15,700	15,100	14,600	90
95	26.7	50.9	14,600	14,100	13,600	13,200	95
100	18.8	38.0	13,100	12,700	12,300	11,900	100


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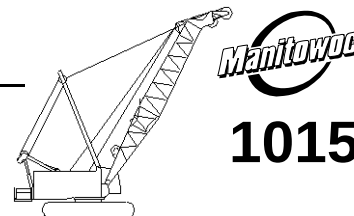
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110 Ft. Boom							
22	82.2	116.9	142,500 ^b				22
24	81.1	116.5	124,600	109,200			24
26	80.1	116.2	110,400	97,900	87,600		26
28	79.0	115.7	98,900	88,500	79,800	72,400	28
30	77.9	115.3	89,400	80,700	73,200	66,700	30
32	76.9	114.8	81,400	73,900	67,500	61,800	32
34	75.8	114.2	74,600	68,100	62,500	57,500	34
36	74.7	113.7	68,800	63,100	58,100	53,600	36
38	73.6	113.1	63,600	58,600	54,200	50,200	38
40	72.5	112.4	59,100	54,700	50,700	47,100	40
45	69.7	110.6	49,900	46,500	43,400	40,600	45
50	66.9	108.4	42,800	40,200	37,700	35,400	50
55	64.0	106.0	37,200	35,100	33,100	31,200	55
60	61.0	103.2	32,700	30,900	29,200	27,700	60
65	58.0	100.2	28,900	27,400	26,000	24,700	65
70	54.8	96.7	25,700	24,400	23,200	22,100	70
75	51.5	92.7	23,000	21,900	20,900	19,900	75
80	48.0	88.3	20,600	19,700	18,800	18,000	80
85	44.3	83.2	18,500	17,700	17,000	16,200	85
90	40.3	77.5	16,700	16,000	15,300	14,700	90
95	36.0	70.8	15,000	14,500	13,900	13,300	95
100	31.1	62.9	13,600	13,100	12,600	12,100	100
105	25.3	53.0	12,200	11,800	11,400	11,000	105
110	17.8	39.5	11,000	10,600	10,300	10,000	110



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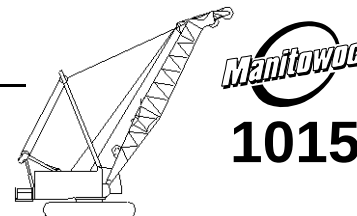
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120 Ft. Boom							
22	82.8	127.0	142,500				22
24	81.9	126.7	124,500	108,000			24
26	80.9	126.3	110,300	96,800	85,900		26
28	79.9	125.9	98,800	87,600	78,300	70,500	28
30	78.9	125.5	89,200	79,800	71,800	65,000	30
32	78.0	125.1	81,200	73,100	66,200	60,300	32
34	77.0	124.6	74,400	67,400	61,300	56,100	34
36	76.0	124.1	68,500	62,400	57,000	52,300	36
38	75.0	123.5	63,400	57,900	53,200	49,000	38
40	74.0	122.9	58,800	54,000	49,800	46,000	40
45	71.5	121.2	49,600	45,900	42,600	39,600	45
50	68.9	119.3	42,500	39,600	37,000	34,500	50
55	66.3	117.1	36,900	34,500	32,400	30,400	55
60	63.7	114.7	32,300	30,400	28,600	26,900	60
65	60.9	111.9	28,500	26,900	25,400	24,000	65
70	58.1	108.8	25,300	24,000	22,700	21,400	70
75	55.2	105.4	22,600	21,400	20,300	19,300	75
80	52.2	101.6	20,200	19,200	18,300	17,300	80
85	49.1	97.3	18,200	17,300	16,400	15,600	85
90	45.8	92.5	16,300	15,600	14,800	14,100	90
95	42.3	87.1	14,700	14,000	13,400	12,800	95
100	38.5	80.9	13,200	12,700	12,100	11,600	100
105	34.4	73.9	11,900	11,400	10,900	10,400	105
110	29.7	65.5	10,700	10,300	9,900	9,400	110
115	24.2	55.1	9,600	9,200	8,900	8,500	115
120	17.0	40.9	8,600	8,300	7,900	7,700	120


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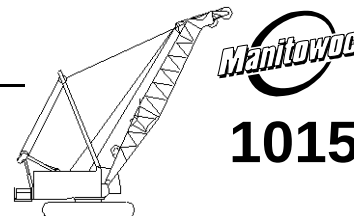
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130 Ft. Boom							
24	82.5	136.8	124,200				24
26	81.6	136.5	110,000	95,600			26
28	80.7	136.1	98,500	86,500	76,800		28
30	79.8	135.7	88,900	78,800	70,500	63,400	30
32	78.9	135.3	80,900	72,300	65,000	58,800	32
34	78.0	134.9	74,100	66,600	60,200	54,700	34
36	77.1	134.4	68,200	61,600	56,000	51,000	36
38	76.2	133.9	63,000	57,300	52,200	47,800	38
40	75.3	133.3	58,500	53,400	48,900	44,900	40
45	73.0	131.8	49,300	45,300	41,800	38,700	45
50	70.6	130.1	42,200	39,100	36,200	33,700	50
55	68.3	128.1	36,600	34,000	31,700	29,600	55
60	65.9	125.8	32,000	29,900	28,000	26,200	60
65	63.4	123.3	28,200	26,500	24,800	23,300	65
70	60.9	120.6	25,000	23,500	22,100	20,800	70
75	58.3	117.5	22,300	21,000	19,800	18,700	75
80	55.6	114.1	19,900	18,800	17,800	16,800	80
85	52.9	110.3	17,800	16,900	16,000	15,100	85
90	50.0	106.2	16,000	15,200	14,400	13,600	90
95	47.0	101.6	14,400	13,700	13,000	12,300	95
100	43.9	96.5	13,000	12,300	11,700	11,100	100
105	40.5	90.7	11,600	11,100	10,500	10,000	105
110	36.9	84.2	10,500	9,900	9,500	9,000	110
115	32.9	76.8	9,400	8,900	8,500	8,100	115
120	28.5	68.0	8,400	8,000	7,600	7,200	120
125	23.2	57.1	7,400	7,100	6,800	6,400	125
130	16.3	42.2	6,500	6,300	6,000	5,700	130



Liftcrane Boom Capacities

Boom No. 83
53,000 Lb. Counterweight
23 Ft. 6 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

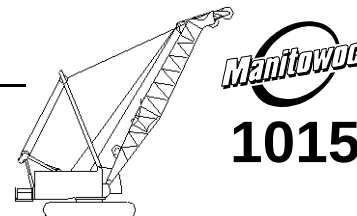
Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
140 Ft. Boom							
24	83.0	146.9	124,100				24
26	82.2	146.6	109,800				26
28	81.4	146.3	98,300	85,600			28
30	80.5	145.9	88,700	78,000	69,100		30
32	79.7	145.5	80,700	71,400	63,800	57,300	32
34	78.9	145.1	73,800	65,800	59,100	53,300	34
36	78.0	144.7	67,900	60,900	54,900	49,800	36
38	77.2	144.2	62,700	56,600	51,200	46,600	38
40	76.4	143.7	58,200	52,700	47,900	43,700	40
45	74.2	142.3	49,000	44,700	41,000	37,700	45
50	72.1	140.7	41,800	38,500	35,500	32,800	50
55	69.9	138.8	36,200	33,500	31,000	28,800	55
60	67.7	136.8	31,600	29,400	27,300	25,400	60
65	65.4	134.5	27,800	25,900	24,200	22,600	65
70	63.2	132.0	24,600	23,000	21,500	20,100	70
75	60.8	129.2	21,900	20,500	19,200	18,000	75
80	58.4	126.2	19,500	18,300	17,200	16,100	80
85	55.9	122.8	17,400	16,400	15,400	14,500	85
90	53.4	119.1	15,600	14,700	13,800	13,000	90
95	50.8	115.1	14,000	13,200	12,400	11,700	95
100	48.0	110.7	12,600	11,800	11,100	10,500	100
105	45.2	105.7	11,200	10,600	10,000	9,400	105
110	42.2	100.3	10,100	9,500	8,900	8,400	110
115	38.9	94.2	9,000	8,500	8,000	7,500	115
120	35.5	87.4	8,000	7,500	7,100	6,700	120
125	31.7	79.6	7,100	6,700	6,300	5,900	125
130	27.4	70.3	6,200	5,900	5,500	5,200	130
135	22.3	59.0	5,400	5,100	4,800	4,500	135
140	15.6	43.5	4,600	4,400	4,100		140


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Liftcrane Boom Capacities

Boom No. 83
53,000 Lb. Counterweight
23 Ft. 6 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

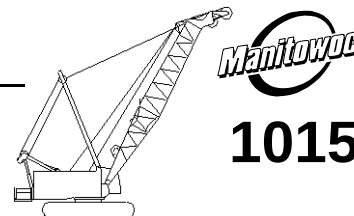
Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
150 Ft. Boom							
26	82.7	156.7	109,800				26
28	82.0	156.4	98,200	84,800			28
30	81.2	156.1	88,700	77,300			30
32	80.4	155.7	80,600	70,900	62,900		32
34	79.6	155.3	73,800	65,300	58,300	52,300	34
36	78.9	154.9	67,900	60,500	54,200	48,900	36
38	78.1	154.5	62,700	56,200	50,600	45,800	38
40	77.3	154.0	58,200	52,400	47,400	43,000	40
45	75.3	152.7	49,000	44,500	40,600	37,100	45
50	73.3	151.2	41,800	38,300	35,200	32,300	50
55	71.3	149.5	36,200	33,300	30,800	28,400	55
60	69.3	147.6	31,600	29,300	27,100	25,100	60
65	67.2	145.5	27,800	25,900	24,000	22,300	65
70	65.1	143.2	24,700	23,000	21,400	19,900	70
75	62.9	140.7	21,900	20,500	19,100	17,800	75
80	60.8	137.9	19,600	18,300	17,100	16,000	80
85	58.5	134.8	17,500	16,400	15,300	14,300	85
90	56.2	131.5	15,700	14,700	13,800	12,900	90
95	53.9	127.9	14,100	13,200	12,400	11,600	95
100	51.4	123.9	12,600	11,900	11,100	10,400	100
105	48.9	119.6	11,300	10,600	10,000	9,300	105
110	46.3	114.9	10,200	9,500	8,900	8,400	110
115	43.5	109.7	9,100	8,500	8,000	7,500	115
120	40.6	104.0	8,100	7,600	7,100	6,700	120
125	37.5	97.6	7,200	6,800	6,300	5,900	125
130	34.2	90.4	6,400	6,000	5,600	5,200	130
135	30.5	82.2	5,600	5,200	4,900	4,500	135
140	26.4	72.6	4,900	4,500	4,200		140
145	21.5	60.8	4,200				145



Liftcrane Boom Capacities

Boom No. 83
53,000 Lb. Counterweight
23 Ft. 6 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

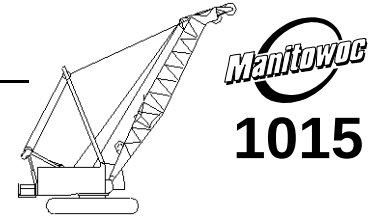
Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
160 Ft. Boom							
28	82.5	166.5	98,000				28
30	81.7	166.2	88,500	76,500			30
32	81.0	165.9	80,400	70,100	61,700		32
34	80.3	165.5	73,500	64,600	57,200		34
36	79.6	165.1	67,600	59,800	53,200	47,700	36
38	78.8	164.7	62,500	55,500	49,700	44,700	38
40	78.1	164.3	57,900	51,800	46,500	42,000	40
45	76.3	163.1	48,600	43,900	39,800	36,200	45
50	74.4	161.7	41,500	37,800	34,400	31,500	50
55	72.5	160.1	35,900	32,800	30,100	27,600	55
60	70.6	158.3	31,300	28,800	26,500	24,400	60
65	68.7	156.4	27,500	25,400	23,400	21,600	65
70	66.7	154.2	24,300	22,500	20,800	19,300	70
75	64.8	151.9	21,500	20,000	18,500	17,200	75
80	62.8	149.3	19,200	17,800	16,600	15,400	80
85	60.7	146.5	17,100	15,900	14,800	13,800	85
90	58.6	143.5	15,300	14,200	13,300	12,300	90
95	56.5	140.2	13,700	12,700	11,900	11,000	95
100	54.3	136.6	12,200	11,400	10,600	9,900	100
105	52.0	132.8	10,900	10,200	9,500	8,800	105
110	49.7	128.6	9,800	9,100	8,400	7,800	110
115	47.2	124.0	8,700	8,100	7,500	6,900	115
120	44.7	119.0	7,700	7,200	6,600	6,100	120
125	42.1	113.5	6,800	6,300	5,800	5,400	125
130	39.3	107.5	6,000	5,500	5,100	4,700	130
135	36.3	100.8	5,200	4,800	4,400	4,000	135
140	33.0	93.4	4,500	4,100			140


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Liftcrane Boom Capacities

Boom No. 83
53,000 Lb. Counterweight
23 Ft. 6 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
170 Ft. Boom							
28	82.9	176.6	97,700				28
30	82.2	176.3	88,100				30
32	81.5	176.0	80,100	69,200			32
34	80.9	175.7	73,200	63,800	56,100		34
36	80.2	175.3	67,300	59,000	52,200		36
38	79.5	174.9	62,100	54,800	48,700	43,600	38
40	78.8	174.5	57,600	51,100	45,600	40,900	40
45	77.1	173.4	48,300	43,300	39,000	35,200	45
50	75.3	172.1	41,200	37,200	33,700	30,700	50
55	73.6	170.6	35,500	32,300	29,400	26,900	55
60	71.8	168.9	30,900	28,200	25,800	23,700	60
65	70.0	167.1	27,100	24,900	22,800	21,000	65
70	68.2	165.1	23,900	22,000	20,200	18,600	70
75	66.4	163.0	21,200	19,500	18,000	16,600	75
80	64.5	160.6	18,800	17,400	16,000	14,800	80
85	62.6	158.0	16,700	15,500	14,300	13,200	85
90	60.7	155.2	14,900	13,800	12,800	11,800	90
95	58.7	152.2	13,300	12,300	11,400	10,500	95
100	56.7	148.9	11,900	11,000	10,100	9,300	100
105	54.6	145.4	10,600	9,800	9,000	8,300	105
110	52.5	141.6	9,400	8,700	8,000	7,300	110
115	50.3	137.5	8,300	7,700	7,100	6,500	115
120	48.1	133.0	7,300	6,800	6,200	5,700	120
125	45.7	128.2	6,500	5,900	5,400	4,900	125
130	43.3	122.9	5,600	5,100	4,700	4,200	130
135	40.7	117.2	4,900	4,400	4,000		135
140	38.0	110.9	4,100				140



Liftcrane Boom Capacities

Boom No. 83

53,000 Lb. Counterweight

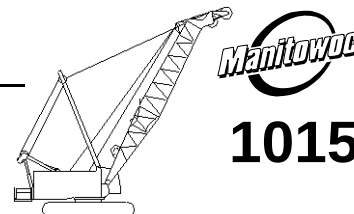
23 Ft. 6 in. Crawlers Extended

Crawler Machine on a Barge

0 Degree thru 3 Degree Machine List

No Travel - 360 Degree Rating

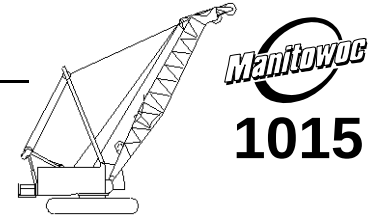
Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
180 Ft. Boom							
30	82.7	186.4	87,900				30
32	82.0	186.1	79,800	68,500			32
34	81.4	185.8	72,900	63,100			34
36	80.7	185.5	67,000	58,300	51,200		36
38	80.1	185.1	61,800	54,200	47,800		38
40	79.4	184.7	57,300	50,400	44,700	39,900	40
45	77.8	183.6	47,900	42,700	38,200	34,300	45
50	76.2	182.4	40,800	36,600	33,000	29,800	50
55	74.5	181.0	35,100	31,700	28,700	26,100	55
60	72.9	179.5	30,500	27,700	25,200	22,900	60
65	71.2	177.8	26,700	24,300	22,200	20,300	65
70	69.5	175.9	23,500	21,500	19,600	17,900	70
75	67.8	173.9	20,800	19,000	17,400	15,900	75
80	66.0	171.7	18,400	16,900	15,500	14,200	80
85	64.2	169.3	16,300	15,000	13,700	12,600	85
90	62.5	166.7	14,500	13,300	12,200	11,200	90
95	60.6	163.9	12,900	11,800	10,800	9,900	95
100	58.8	160.8	11,400	10,500	9,600	8,800	100
105	56.9	157.6	10,100	9,300	8,500	7,700	105
110	54.9	154.1	9,000	8,200	7,500	6,800	110
115	52.9	150.4	7,900	7,200	6,500	5,900	115
120	50.9	146.3	6,900	6,300	5,700	5,100	120
125	48.8	142.0	6,000	5,400	4,900	4,400	125
130	46.6	137.3	5,200	4,700	4,200		130
135	44.3	132.2	4,400	4,000			135


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Liftcrane Boom Capacities

Boom No. 83
53,000 Lb. Counterweight
23 Ft. 6 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	Oper. Radius Feet
190 Ft. Boom						
32	82.4	196.3	66,000 *			32
34	81.8	196.0	66,000 *	62,500		34
36	81.2	195.6	66,000 *	57,800		36
38	80.6	195.3	61,700	53,700	47,100	38
40	80.0	194.9	57,100	50,000	44,100	40
45	78.5	193.9	47,800	42,300	37,700	45
50	76.9	192.7	40,700	36,300	32,600	50
55	75.4	191.4	35,000	31,500	28,400	55
60	73.8	190.0	30,400	27,500	24,900	60
65	72.2	188.4	26,600	24,100	21,900	65
70	70.6	186.6	23,400	21,300	19,400	70
75	69.0	184.7	20,700	18,800	17,200	75
80	67.4	182.6	18,300	16,700	15,200	80
85	65.7	180.4	16,200	14,800	13,500	85
90	64.0	177.9	14,400	13,200	12,000	90
95	62.3	175.3	12,800	11,700	10,700	95
100	60.6	172.5	11,400	10,400	9,400	100
105	58.8	169.5	10,100	9,200	8,300	105
110	57.0	166.3	8,900	8,100	7,300	110
115	55.2	162.8	7,800	7,100	6,400	115
120	53.3	159.1	6,900	6,200	5,600	120
125	51.4	155.2	6,000	5,400	4,800	125
130	49.4	150.9	5,200	4,600	4,100	130
135	47.4	146.4	4,400			135



Liftcrane Boom Capacities

Boom No. 83
53,000 Lb. Counterweight
23 Ft. 6 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds
200 Ft. Boom				
34	82.2	206.1	66,000 *	
36	81.7	205.8	66,000 *	57,100
38	81.1	205.4	61,400	53,000
40	80.5	205.1	56,800	49,400
45	79.0	204.1	47,500	41,800
50	77.6	203.0	40,400	35,800
55	76.1	201.8	34,700	31,000
60	74.6	200.4	30,100	27,000
65	73.1	198.9	26,300	23,700
70	71.6	197.2	23,000	20,800
75	70.1	195.4	20,300	18,400
80	68.6	193.5	17,900	16,200
85	67.0	191.4	15,900	14,400
90	65.4	189.1	14,000	12,700
95	63.8	186.6	12,400	11,200
100	62.2	184.0	11,000	9,900
105	60.6	181.2	9,700	8,700
110	58.9	178.2	8,500	7,600
115	57.2	175.0	7,400	6,700
120	55.5	171.5	6,500	5,700
125	53.7	167.9	5,600	4,900
130	51.9	164.0	4,700	4,100
135	50.0	159.8	4,000	