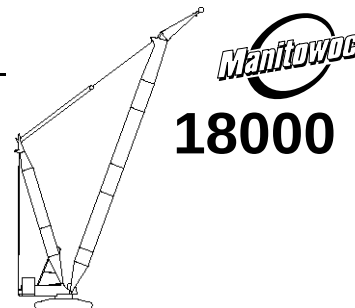


Liftcrane Boom Extended Upper Point Capacities

**Boom No. 55-79A with 30,5 m Mast No. 56 and
7,6 m Extended Upper Boom Point
239 500 kg Crane Counterweight
145 150 kg Carbody Counterweight
360 Degree Rating**

Meets
ANSI B30.5
Requirements



LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*).

Upper boom point (upper sheave) capacity for liftcrane service with single part whip line is 13 610 kg, or 27 220 kg with two part line. In all cases, upper boom point capacities cannot exceed those listed for extended upper boom point (lower sheave) capacity.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath upper boom point sheaves, is considered part of extended upper boom point 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 mast up. Refer to boom rigging **No. A05379**, Wire Rope Specification chart **No. 8514-E or 8514-F** and Counterweight Arrangement chart **No. 8577-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface and boom within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8517-C**.

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: Extended upper boom point elevation is vertical distance from ground level to centerline of extended upper boom point (lower sheave) shaft.

MACHINE EQUIPMENT: Machine equipped with 11 811 mm crawlers, 1 524 mm treads, 9,1 m live mast, 30,5m mast, 16 part boom hoist reeving, boom support straps, 239 500 kg crane counterweight and 145 150 kg carbody counterweight.

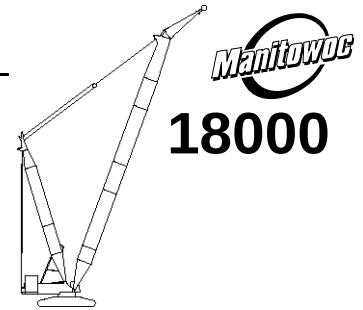
Maximum Boom Length Lifted Unassisted	
Over End of Blocked Crawlers	Over Side of Crawlers
Boom Length	Boom Length
121,9 m	115,8 m
Load block, hook and weight ball on ground at start.	

Lower boom point must be removed when extended upper boom point is attached.

WARNING: This chart requires boom top modification No. A16449.

Boom Catwalks Deduct

Deduct 400 kg from capacities when boom catwalks are attached.



Liftcrane Boom Extended Upper Point Capacities

Boom No. 55-79A with 30,5 m Mast No. 56 and
7,6 m Extended Upper Boom Point
239 500 kg Crane Counterweight
145 150 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
61,0 m (200 ft) Boom			
15,2	82,0	70,2	132 800 *
16,0	81,4	70,1	132 800 *
18,0	79,7	69,6	132 800 *
20,0	77,9	69,1	132 800 *
22,0	76,2	68,5	132 800 *
24,0	74,4	67,8	132 800 *
26,0	72,6	67,1	132 800 *
28,0	70,8	66,3	131 400
30,0	69,0	65,4	123 600
32,0	67,1	64,4	112 500
34,0	65,2	63,4	103 300
36,0	63,3	62,3	95 400
38,0	61,3	61,0	88 400
40,0	59,3	59,7	82 200
42,0	57,2	58,3	76 600
44,0	55,1	56,8	71 600
46,0	52,9	55,1	67 100
48,0	50,7	53,3	62 900
50,0	48,3	51,4	59 100
52,0	45,9	49,3	55 700
54,0	43,3	47,0	52 400
56,0	40,6	44,4	49 500
58,0	37,7	41,6	46 700

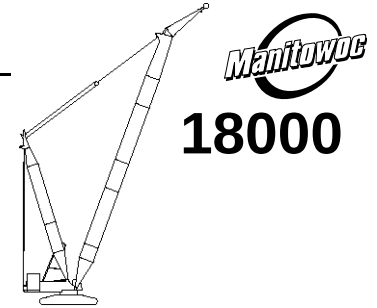
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
67,1 m (220 ft) Boom			
15,2	82,7	76,4	132 800 *
16,0	82,1	76,3	132 800 *
18,0	80,5	75,9	132 800 *
20,0	78,9	75,4	132 800 *
22,0	77,3	74,8	132 800 *
24,0	75,7	74,2	132 800 *
26,0	74,1	73,6	132 800 *
28,0	72,5	72,8	131 200
30,0	70,8	72,0	123 000
32,0	69,1	71,2	111 900
34,0	67,4	70,2	102 800
36,0	65,7	69,2	94 800
38,0	63,9	68,1	87 800
40,0	62,1	67,0	81 600
42,0	60,3	65,7	76 000
44,0	58,5	64,4	71 000
46,0	56,6	62,9	66 400
48,0	54,6	61,4	62 300
50,0	52,6	59,7	58 500
52,0	50,5	57,9	55 100
54,0	48,4	56,0	51 900
56,0	46,2	53,9	48 900
58,0	43,8	51,7	46 100
60,0	41,4	49,2	43 600
62,0	38,8	46,5	41 200
64,0	36,1	43,6	39 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
73,2 m (240 ft) Boom			
16,8	82,2	82,3	132 800 *
18,0	81,3	82,1	132 800 *
20,0	79,8	81,7	132 800 *
22,0	78,3	81,2	132 800 *
24,0	76,9	80,6	132 800 *
26,0	75,4	80,0	132 800 *
28,0	73,9	79,3	131 100
30,0	72,3	78,6	122 800
32,0	70,8	77,8	111 700
34,0	69,3	76,9	102 500
36,0	67,7	76,0	94 600
38,0	66,1	75,0	87 600
40,0	64,5	74,0	81 300
42,0	62,8	72,9	75 700
44,0	61,2	71,7	70 700
46,0	59,5	70,4	66 200
48,0	57,8	69,0	62 000
50,0	56,0	67,5	58 300
52,0	54,2	66,0	54 800
54,0	52,3	64,3	51 600
56,0	50,4	62,5	48 600
58,0	48,4	60,6	45 900
60,0	46,4	58,5	43 300
62,0	44,3	56,3	41 000
64,0	42,1	54,0	38 700
66,0	39,7	51,4	36 700
68,0	37,3	48,6	34 700

Liftcrane Boom Extended Upper Point Capacities

**Boom No. 55-79A with 30,5 m Mast No. 56 and
7,6 m Extended Upper Boom Point
239 500 kg Crane Counterweight
145 150 kg Carbody Counterweight
360 Degree Rating**

Meets
ANSI B30.5
Requirements



Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
79,2 m (260 ft) Boom			
16,8	82,7	88,5	132 800 *
18,0	81,9	88,3	132 800 *
20,0	80,5	87,9	132 800 *
22,0	79,2	87,4	132 800 *
24,0	77,8	86,9	132 800 *
26,0	76,4	86,3	132 700 *
28,0	75,0	85,7	129 400 *
30,0	73,6	85,1	120 800
32,0	72,2	84,3	111 000
34,0	70,8	83,6	101 900
36,0	69,4	82,7	93 900
38,0	67,9	81,8	86 900
40,0	66,4	80,8	80 600
42,0	65,0	79,8	75 000
44,0	63,4	78,7	70 000
46,0	61,9	77,6	65 400
48,0	60,3	76,3	61 300
50,0	58,8	75,0	57 500
52,0	57,1	73,6	54 000
54,0	55,5	72,1	50 900
56,0	53,8	70,6	47 900
58,0	52,1	68,9	45 100
60,0	50,3	67,1	42 600
62,0	48,5	65,2	40 200
64,0	46,6	63,2	38 000
66,0	44,6	61,0	35 900
68,0	42,6	58,7	34 000
70,0	40,5	56,2	32 200
72,0	38,2	53,5	30 400
74,0	35,9	50,5	28 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
85,3 m (280 ft) Boom			
18,3	82,2	94,4	132 800 *
20,0	81,2	94,1	132 800 *
22,0	79,9	93,7	132 800 *
24,0	78,6	93,2	132 800 *
26,0	77,3	92,7	129 500 *
28,0	76,1	92,1	121 200 *
30,0	74,8	91,5	114 000 *
32,0	73,5	90,8	107 600 *
34,0	72,1	90,1	101 500
36,0	70,8	89,3	93 500
38,0	69,5	88,5	86 500
40,0	68,1	87,6	80 200
42,0	66,7	86,7	74 600
44,0	65,4	85,7	69 500
46,0	64,0	84,6	65 000
48,0	62,5	83,5	60 900
50,0	61,1	82,3	57 100
52,0	59,6	81,0	53 600
54,0	58,1	79,7	50 400
56,0	56,6	78,2	47 500
58,0	55,1	76,7	44 700
60,0	53,5	75,2	42 200
62,0	51,9	73,5	39 800
64,0	50,2	71,7	37 600
66,0	48,5	69,8	35 500
68,0	46,8	67,8	33 600
70,0	44,9	65,7	31 700
72,0	43,1	63,4	30 000
74,0	41,1	61,0	28 400
76,0	39,1	58,3	26 800
78,0	36,9	55,5	25 300

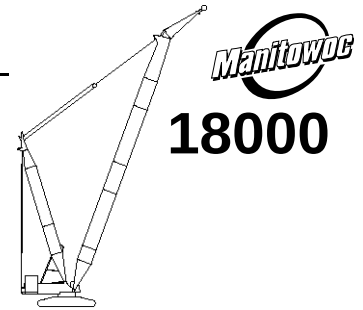
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
91,4 m (300 ft) Boom			
18,3	82,7	100,6	132 800 *
20,0	81,7	100,3	132 800 *
22,0	80,5	99,9	132 800 *
24,0	79,3	99,5	130 000 *
26,0	78,2	99,0	121 800 *
28,0	76,9	98,4	114 000 *
30,0	75,7	97,9	107 100 *
32,0	74,5	97,2	101 000 *
34,0	73,3	96,6	95 600 *
36,0	72,1	95,8	90 700 *
38,0	70,8	95,1	85 600
40,0	69,6	94,2	79 400
42,0	68,3	93,4	73 800
44,0	67,0	92,4	68 800
46,0	65,7	91,5	64 200
48,0	64,4	90,4	60 000
50,0	63,1	89,3	56 300
52,0	61,7	88,2	52 800
54,0	60,4	86,9	49 600
56,0	59,0	85,7	46 600
58,0	57,6	84,3	43 900
60,0	56,2	82,9	41 300
62,0	54,7	81,3	39 000
64,0	53,2	79,7	36 700
66,0	51,7	78,1	34 700
68,0	50,1	76,3	32 700
70,0	48,5	74,4	30 900
72,0	46,9	72,4	29 200
74,0	45,2	70,3	27 600
76,0	43,5	68,1	26 000
78,0	41,7	65,7	24 600
80,0	39,8	63,2	23 200
82,0	37,8	60,4	21 800

Liftcrane Boom

Extended Upper Point Capacities

Boom No. 55-79A with 30,5 m Mast No. 56 and
 7,6 m Extended Upper Boom Point
 239 500 kg Crane Counterweight
 145 150 kg Carbody Counterweight
 360 Degree Rating

Meets
 ANSI B30.5
 Requirements



Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
97,5 m (320 ft) Boom			
19,8	82,3	106,6	132 800 *
20,0	82,2	106,5	132 700 *
22,0	81,1	106,1	131 600 *
24,0	80,0	105,7	124 800 *
26,0	78,9	105,3	115 500 *
28,0	77,7	104,7	107 800 *
30,0	76,6	104,2	101 200 *
32,0	75,5	103,6	95 400 *
34,0	74,3	103,0	90 100 *
36,0	73,2	102,3	85 400 *
38,0	72,0	101,6	81 200 *
40,0	70,8	100,8	77 300 *
42,0	69,6	100,0	73 200 *
44,0	68,4	99,2	68 300
46,0	67,2	98,2	63 700
48,0	66,0	97,3	59 500
50,0	64,8	96,3	55 700
52,0	63,6	95,2	52 200
54,0	62,3	94,1	49 000
56,0	61,0	92,9	46 100
58,0	59,7	91,6	43 300
60,0	58,4	90,3	40 800
62,0	57,1	88,9	38 400
64,0	55,7	87,5	36 200
66,0	54,4	85,9	34 100
68,0	53,0	84,3	32 200
70,0	51,5	82,7	30 300
72,0	50,1	80,9	28 600
74,0	48,6	79,0	27 000
76,0	47,0	77,1	25 500
78,0	45,5	75,0	24 000
80,0	43,8	72,8	22 600
82,0	42,1	70,4	21 300
84,0	40,4	67,9	20 000
86,0	38,6	65,3	18 800
88,0	36,7	62,5	17 700

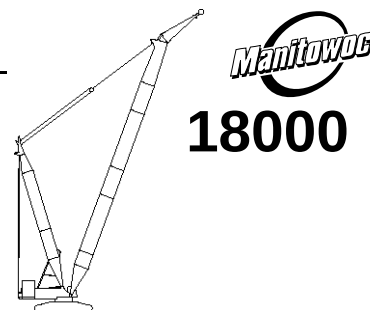
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
103,6 m (340 ft) Boom			
19,8	82,7	112,7	115 200 *
20,0	82,6	112,7	115 200 *
22,0	81,6	112,3	114 600 *
24,0	80,5	111,9	114 000 *
26,0	79,5	111,5	109 400 *
28,0	78,4	111,0	101 900 *
30,0	77,4	110,5	95 500 *
32,0	76,3	110,0	89 800 *
34,0	75,2	109,4	84 800 *
36,0	74,1	108,7	80 200 *
38,0	73,0	108,1	76 100 *
40,0	71,9	107,3	72 300 *
42,0	70,8	106,6	68 900 *
44,0	69,7	105,8	65 700 *
46,0	68,6	104,9	62 700
48,0	67,4	104,0	58 700
50,0	66,3	103,1	54 900
52,0	65,1	102,1	51 300
54,0	64,0	101,0	48 100
56,0	62,8	99,9	45 200
58,0	61,6	98,8	42 500
60,0	60,4	97,6	39 900
62,0	59,2	96,3	37 500
64,0	57,9	94,9	35 300
66,0	56,7	93,6	33 300
68,0	55,4	92,1	31 300
70,0	54,1	90,6	29 500
72,0	52,7	88,9	27 800
74,0	51,4	87,2	26 100
76,0	50,0	85,5	24 600
78,0	48,6	83,6	23 100
80,0	47,1	81,7	21 800
82,0	45,7	79,6	20 400
84,0	44,1	77,4	19 200
86,0	42,6	75,1	18 000
88,0	40,9	72,7	16 800
90,0	39,2	70,1	15 700
92,0	37,5	67,4	14 600 *
94,0	35,7	64,5	13 400 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
109,7 m (360 ft) Boom			
21,3	82,4	118,7	100 100 *
22,0	82,0	118,5	99 900 *
24,0	81,0	118,2	99 300 *
26,0	80,0	117,7	98 600 *
28,0	79,0	117,3	95 300 *
30,0	78,0	116,8	89 200 *
32,0	77,0	116,3	84 100 *
34,0	76,0	115,7	79 700 *
36,0	75,0	115,1	75 600 *
38,0	73,9	114,5	71 900 *
40,0	72,9	113,8	68 600 *
42,0	71,9	113,1	65 400 *
44,0	70,8	112,3	62 500 *
46,0	69,8	111,6	59 700 *
48,0	68,7	110,7	57 100 *
50,0	67,6	109,8	54 100
52,0	66,5	108,9	50 500
54,0	65,5	107,9	47 300
56,0	64,3	106,9	44 400
58,0	63,2	105,8	41 600
60,0	62,1	104,7	39 100
62,0	61,0	103,5	36 700
64,0	59,8	102,2	34 500
66,0	58,6	100,9	32 400
68,0	57,5	99,6	30 500
70,0	56,3	98,2	28 600
72,0	55,0	96,7	26 900
74,0	53,8	95,2	25 300
76,0	52,5	93,5	23 700
78,0	51,3	91,8	22 300
80,0	50,0	90,1	20 900
82,0	48,6	88,2	19 600
84,0	47,2	86,3	18 300
86,0	45,8	84,2	17 100
88,0	44,4	82,1	16 000
90,0	42,9	79,8	14 800 *
92,0	41,4	77,4	13 500 *
94,0	39,8	74,9	12 300 *
96,0	38,2	72,3	11 100 *
98,0	36,5	69,4	10 000 *

Liftcrane Boom Extended Upper Point Capacities

**Boom No. 55-79A with 30,5 m Mast No. 56 and
7,6 m Extended Upper Boom Point
239 500 kg Crane Counterweight
145 150 kg Carbody Counterweight
360 Degree Rating**

**Meets
ANSI B30.5
Requirements**



Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
115,8 m (380 ft) Boom			
21,3	82,8	124,8	87 400 *
22,0	82,4	124,7	87 000 *
24,0	81,5	124,4	86 500 *
26,0	80,5	124,0	86 200 *
28,0	79,6	123,6	85 600 *
30,0	78,6	123,1	84 600 *
32,0	77,7	122,6	80 200 *
34,0	76,7	122,1	75 700 *
36,0	75,7	121,5	71 700 *
38,0	74,8	120,9	68 000 *
40,0	73,8	120,3	64 600 *
42,0	72,8	119,6	61 500 *
44,0	71,8	118,9	58 600 *
46,0	70,8	118,1	55 800 *
48,0	69,8	117,3	53 300 *
50,0	68,8	116,5	50 900 *
52,0	67,8	115,6	48 600 *
54,0	66,8	114,7	46 300 *
56,0	65,7	113,7	43 500 *
58,0	64,7	112,7	40 700 *
60,0	63,6	111,6	38 200 *
62,0	62,6	110,5	35 800 *
64,0	61,5	109,4	33 600 *
66,0	60,4	108,2	31 500 *
68,0	59,3	106,9	29 500 *
70,0	58,2	105,6	27 700 *
72,0	57,1	104,2	26 000 *
74,0	55,9	102,8	24 300 *
76,0	54,7	101,3	22 800 *
78,0	53,6	99,8	21 300 *
80,0	52,4	98,1	20 000 *
82,0	51,1	96,4	18 600 *
84,0	49,9	94,7	17 400 *
86,0	48,6	92,8	16 200 *
88,0	47,3	90,9	15 000 *
90,0	46,0	88,9	13 600 *
92,0	44,7	86,7	12 400 *
94,0	43,3	84,5	11 100 *
96,0	41,8	82,2	10 000 *
98,0	40,3	79,7	8 900 *
100,0	38,8	77,1	7 700 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
121,9 m (400 ft) Boom			
22,9	82,4	130,7	76 500 *
24,0	81,9	130,6	76 200 *
26,0	81,0	130,2	75 600 *
28,0	80,1	129,8	75 200 *
30,0	79,2	129,3	74 700 *
32,0	78,3	128,9	74 200 *
34,0	77,4	128,4	72 800 *
36,0	76,4	127,8	68 400 *
38,0	75,5	127,3	64 800 *
40,0	74,6	126,7	61 300 *
42,0	73,7	126,0	58 200 *
44,0	72,7	125,3	55 300 *
46,0	71,8	124,6	52 600 *
48,0	70,8	123,9	50 100 *
50,0	69,9	123,1	47 700 *
52,0	68,9	122,2	45 500 *
54,0	67,9	121,4	43 500 *
56,0	67,0	120,5	41 500 *
58,0	66,0	119,5	39 600 *
60,0	65,0	118,5	37 500 *
62,0	64,0	117,5	35 100 *
64,0	63,0	116,4	32 800 *
66,0	62,0	115,3	30 800 *
68,0	60,9	114,1	28 800 *
70,0	59,9	112,9	27 000 *
72,0	58,8	111,6	25 300 *
74,0	57,8	110,2	23 600 *
76,0	56,7	108,9	22 100 *
78,0	55,6	107,4	20 600 *
80,0	54,5	105,9	19 300 *
82,0	53,4	104,4	18 000 *
84,0	52,2	102,7	16 700 *
86,0	51,0	101,0	15 500 *
88,0	49,9	99,3	14 200 *
90,0	48,7	97,4	12 800 *
92,0	47,4	95,5	11 500 *
94,0	46,2	93,5	10 300 *
96,0	44,9	91,4	9 100 *
98,0	43,6	89,2	8 000 *