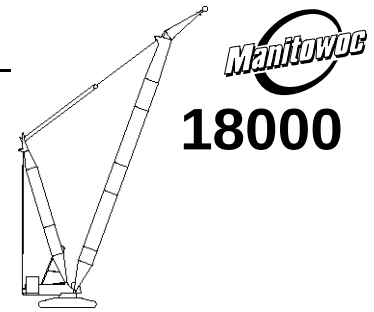


Liftcrane Boom Extended Upper Point Capacities

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

Maximum Operating Wind Speeds

14 m/s with 61,0 m thru 91,4 m Boom
12 m/s with 97,5 m thru 103,6 m Boom
10 m/s with 109,7 m thru 115,8 m Boom



LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and are calculated to comply with EN 13000, ISO 4305 and include factors based on a 4,0 degree tipping angle. 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 Operator's Manual for operating guidelines.

WIND CONDITIONS: Machine may be operated in winds stated in Maximum Operating Wind Speed table provided crane operator judgment is used to allow for wind effect on lifted load and other considerations noted on capacity chart are followed. Wind will have a considerable effect on load with a large "sail area" and must be compensated for accordingly by reducing load ratings, reducing operating speeds, or by a combination of both. Wind speed to be measured at boom point elevation. **Operation is not permitted when wind is above conditions stated in Maximum Operating Wind Speed table.** Park crane

(upper inline with crawlers) with load block on ground or secured and position boom at 70 degrees. Lower boom onto blocking at ground level and haul in boom hoist wire rope just wire enough to tension mast straps when wind is above 22 m/s. Lower mast to ground when wind is above 34 m/s.

MACHINE TRAVEL: Machine to travel on a firm, level [up to 1 percent (0,5 degrees) grade] and uniformly supporting surface. *Travel with 100 percent of rated load prohibited.* Travel restricted to 90 percent of rated capacity with speed not to exceed 0,4 m/s. Boom must be within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8653-B** for travel on grade.

MAX PERMISSIBLE SLEWING SPEED: Slewing operation with working load shall not exceed 0,4 m/s as measured at the operating radius. The amount of time to brake or start slewing a working load shall not be less than 2,5 seconds.

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, 30,5 m mast, 16 part boom hoist reeving, boom support straps, 239 500 kg crane counterweight and 145 150 kg carbody counterweight.

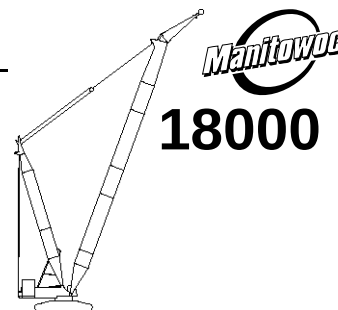
Liftcrane Boom Extended Upper Point Capacities

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

14 m/s with 61,0 m thru 91,4 m Boom

12 m/s with 97,5 m thru 103,6 m Boom

10 m/s with 109,7 m thru 115,8 m Boom


18000
Maximum Boom Length Lifted Unassisted

Over End of Blocked Crawlers	Over Side of Crawlers
Boom Length	Boom Length
115,8 m	109,7 m
Load block, hook and weight ball on ground at start.	

Boom Catwalks Deduct

Deduct 400 kg from capacities when boom catwalks are attached.

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

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

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	131 900 *
30,0	69,0	65,4	125 700 *
32,0	67,1	64,4	115 600 *
34,0	65,2	63,4	107 400 *
36,0	63,3	62,3	100 100 *
38,0	61,3	61,0	93 300
40,0	59,3	59,7	86 700
42,0	57,2	58,3	80 700
44,0	55,1	56,8	75 400
46,0	52,9	55,1	70 500
48,0	50,7	53,3	66 100
50,0	48,3	51,4	62 100
52,0	45,9	49,3	58 400
54,0	43,3	47,0	54 900
56,0	40,6	44,4	51 700
58,0	37,7	41,6	48 800

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	131 600 *
30,0	70,8	72,0	124 800 *
32,0	69,1	71,2	114 900 *
34,0	67,4	70,2	106 600 *
36,0	65,7	69,2	99 300 *
38,0	63,9	68,1	92 700
40,0	62,1	67,0	86 000
42,0	60,3	65,7	80 100
44,0	58,5	64,4	74 700
46,0	56,6	62,9	69 800
48,0	54,6	61,4	65 400
50,0	52,6	59,7	61 400
52,0	50,5	57,9	57 700
54,0	48,4	56,0	54 300
56,0	46,2	53,9	51 100
58,0	43,8	51,7	48 200
60,0	41,4	49,2	45 400
62,0	38,8	46,5	42 900
64,0	36,1	43,6	40 500

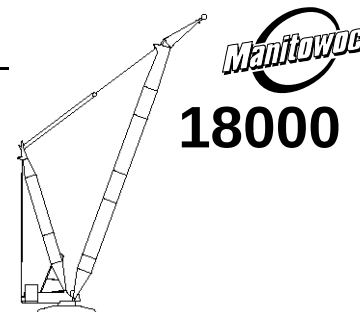
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
73,2 m (240 ft) Boom			
16,8	82,2	82,3	132 800 *
18,0	81,3	82,1	132 800 *
20,0	79,8	81,7	132 800 *
22,0	78,3	81,2	132 800 *
24,0	76,9	80,6	132 800 *
26,0	75,4	80,0	132 800 *
28,0	73,9	79,3	131 400 *
30,0	72,3	78,6	124 400 *
32,0	70,8	77,8	114 500 *
34,0	69,3	76,9	106 200 *
36,0	67,7	76,0	98 900 *
38,0	66,1	75,0	92 300 *
40,0	64,5	74,0	85 700
42,0	62,8	72,9	79 800
44,0	61,2	71,7	74 400
46,0	59,5	70,4	69 500
48,0	57,8	69,0	65 100
50,0	56,0	67,5	61 100
52,0	54,2	66,0	57 400
54,0	52,3	64,3	54 000
56,0	50,4	62,5	50 800
58,0	48,4	60,6	47 900
60,0	46,4	58,5	45 100
62,0	44,3	56,3	42 600
64,0	42,1	54,0	40 200
66,0	39,7	51,4	38 000
68,0	37,3	48,6	35 900

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**

Maximum Operating Wind Speeds

14 m/s with 61,0 m thru 91,4 m Boom
12 m/s with 97,5 m thru 103,6 m Boom
10 m/s with 109,7 m thru 115,8 m Boom



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	120 900
32,0	72,2	84,3	112 500
34,0	70,8	83,6	104 600
36,0	69,4	82,7	97 600
38,0	67,9	81,8	91 200
40,0	66,4	80,8	85 000
42,0	65,0	79,8	79 000
44,0	63,4	78,7	73 600
46,0	61,9	77,6	68 700
48,0	60,3	76,3	64 300
50,0	58,8	75,0	60 200
52,0	57,1	73,6	56 500
54,0	55,5	72,1	53 100
56,0	53,8	70,6	50 000
58,0	52,1	68,9	47 000
60,0	50,3	67,1	44 300
62,0	48,5	65,2	41 800
64,0	46,6	63,2	39 400
66,0	44,6	61,0	37 200
68,0	42,6	58,7	35 100
70,0	40,5	56,2	33 100
72,0	38,2	53,5	31 300
74,0	35,9	50,5	29 500

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	101 800
36,0	70,8	89,3	95 500
38,0	69,5	88,5	89 200
40,0	68,1	87,6	83 600
42,0	66,7	86,7	78 400
44,0	65,4	85,7	73 100
46,0	64,0	84,6	68 200
48,0	62,5	83,5	63 800
50,0	61,1	82,3	59 700
52,0	59,6	81,0	56 000
54,0	58,1	79,7	52 600
56,0	56,6	78,2	49 500
58,0	55,1	76,7	46 500
60,0	53,5	75,2	43 800
62,0	51,9	73,5	41 300
64,0	50,2	71,7	38 900
66,0	48,5	69,8	36 700
68,0	46,8	67,8	34 600
70,0	44,9	65,7	32 700
72,0	43,1	63,4	30 800
74,0	41,1	61,0	29 100
76,0	39,1	58,3	27 400
78,0	36,9	55,5	25 800

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	86 200 *
40,0	69,6	94,2	81 300
42,0	68,3	93,4	76 200
44,0	67,0	92,4	71 600
46,0	65,7	91,5	67 400
48,0	64,4	90,4	62 900
50,0	63,1	89,3	58 800
52,0	61,7	88,2	55 100
54,0	60,4	86,9	51 700
56,0	59,0	85,7	48 600
58,0	57,6	84,3	45 600
60,0	56,2	82,9	42 900
62,0	54,7	81,3	40 400
64,0	53,2	79,7	38 000
66,0	51,7	78,1	35 800
68,0	50,1	76,3	33 700
70,0	48,5	74,4	31 800
72,0	46,9	72,4	29 900
74,0	45,2	70,3	28 200
76,0	43,5	68,1	26 500
78,0	41,7	65,7	24 900
80,0	39,8	63,2	23 400
82,0	37,8	60,4	22 000

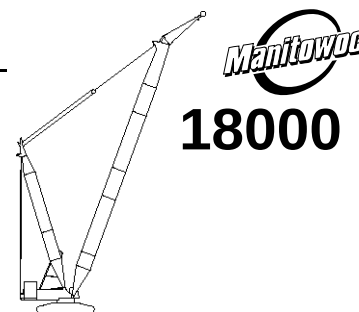
Liftcrane Boom Extended Upper Point Capacities

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
Maximum Operating Wind Speeds

14 m/s with 61,0 m thru 91,4 m Boom

12 m/s with 97,5 m thru 103,6 m Boom

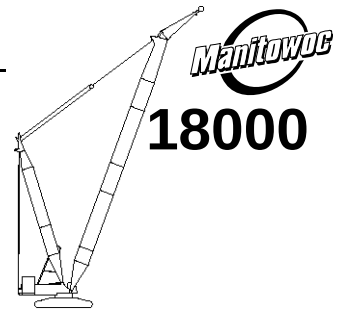
10 m/s with 109,7 m thru 115,8 m Boom


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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	73 700 *
44,0	68,4	99,2	69 900
46,0	67,2	98,2	65 700
48,0	66,0	97,3	61 900
50,0	64,8	96,3	58 200
52,0	63,6	95,2	54 500
54,0	62,3	94,1	51 100
56,0	61,0	92,9	47 900
58,0	59,7	91,6	45 000
60,0	58,4	90,3	42 300
62,0	57,1	88,9	39 700
64,0	55,7	87,5	37 400
66,0	54,4	85,9	35 200
68,0	53,0	84,3	33 100
70,0	51,5	82,7	31 100
72,0	50,1	80,9	29 300
74,0	48,6	79,0	27 500
76,0	47,0	77,1	25 900
78,0	45,5	75,0	24 300
80,0	43,8	72,8	22 900
82,0	42,1	70,4	21 400
84,0	40,4	67,9	20 100
86,0	38,6	65,3	18 800
88,0	36,7	62,5	17 600

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	62 800 *
48,0	67,4	104,0	59 800
50,0	66,3	103,1	56 400
52,0	65,1	102,1	53 100
54,0	64,0	101,0	50 100
56,0	62,8	99,9	47 000
58,0	61,6	98,8	44 000
60,0	60,4	97,6	41 300
62,0	59,2	96,3	38 800
64,0	57,9	94,9	36 400
66,0	56,7	93,6	34 200
68,0	55,4	92,1	32 100
70,0	54,1	90,6	30 100
72,0	52,7	88,9	28 300
74,0	51,4	87,2	26 500
76,0	50,0	85,5	24 900
78,0	48,6	83,6	23 300
80,0	47,1	81,7	21 900
82,0	45,7	79,6	20 400
84,0	44,1	77,4	19 100
86,0	42,6	75,1	17 800
88,0	40,9	72,7	16 600
90,0	39,2	70,1	15 400
92,0	37,5	67,4	14 300
94,0	35,7	64,5	13 200

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	54 400
52,0	66,5	108,9	51 300
54,0	65,5	107,9	48 300
56,0	64,3	106,9	45 500
58,0	63,2	105,8	42 900
60,0	62,1	104,7	40 400
62,0	61,0	103,5	37 800
64,0	59,8	102,2	35 400
66,0	58,6	100,9	33 200
68,0	57,5	99,6	31 100
70,0	56,3	98,2	29 200
72,0	55,0	96,7	27 300
74,0	53,8	95,2	25 600
76,0	52,5	93,5	23 900
78,0	51,3	91,8	22 400
80,0	50,0	90,1	20 900
82,0	48,6	88,2	19 500
84,0	47,2	86,3	18 200
86,0	45,8	84,2	16 900
88,0	44,4	82,1	15 700
90,0	42,9	79,8	14 500
92,0	41,4	77,4	13 400
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**

Maximum Operating Wind Speeds
14 m/s with 61,0 m thru 91,4 m Boom
12 m/s with 97,5 m thru 103,6 m Boom
10 m/s with 109,7 m thru 115,8 m Boom

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	43 700
58,0	64,7	112,7	41 100
60,0	63,6	111,6	38 700
62,0	62,6	110,5	36 400
64,0	61,5	109,4	34 200
66,0	60,4	108,2	32 200
68,0	59,3	106,9	30 100
70,0	58,2	105,6	28 100
72,0	57,1	104,2	26 300
74,0	55,9	102,8	24 500
76,0	54,7	101,3	22 900
78,0	53,6	99,8	21 300
80,0	52,4	98,1	19 900
82,0	51,1	96,4	18 500
84,0	49,9	94,7	17 100
86,0	48,6	92,8	15 900
88,0	47,3	90,9	14 600
90,0	46,0	88,9	13 500
92,0	44,7	86,7	12 300
94,0	43,3	84,5	11 200 *
96,0	41,8	82,2	10 000 *
98,0	40,3	79,7	8 900 *
100,0	38,8	77,1	7 700 *