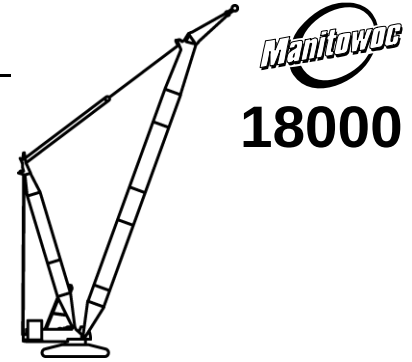


Liftcrane Boom Extended Upper Point Capacities

Boom No. 55-79A with 30,5 m Mast No. 56 and
7,6 m Extended Upper Boom Point
206 840 kg Crane Counterweight
105 230 kg Carbody Counterweight
360 Degree Rating

Meets
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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, 206 840 kg crane counterweight and 105 230 kg carbody counterweight.

Maximum Boom Length Lifted Unassisted	
Over End of Blocked Crawlers	Over Side of Crawlers
Boom Length	Boom Length
115,8 m	(a) 109,7 m
Load block, hook and weight ball on ground at start. (a) When equipped with boom catwalks upperworks jacking cylinders are required.	

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

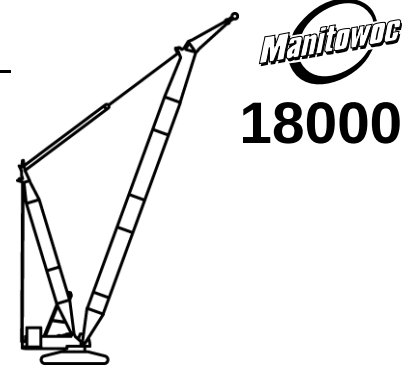
WARNING: This chart requires boom top modification No. A16449.

Boom Catwalks Deduct
Deduct 400 kg from capacities when boom catwalks are attached.

Liftcrane Boom Extended Upper Point Capacities

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206 840 kg Crane Counterweight
105 230 kg Carbody Counterweight
360 Degree Rating

Meets
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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
61,0 m 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	130 800
28,0	70,8	66,3	117 600
30,0	69,0	65,4	106 700
32,0	67,1	64,4	97 400
34,0	65,2	63,4	89 300
36,0	63,3	62,3	82 200
38,0	61,3	61,0	76 000
40,0	59,3	59,7	70 500
42,0	57,2	58,3	65 500
44,0	55,1	56,8	61 000
46,0	52,9	55,1	57 000
48,0	50,7	53,3	53 300
50,0	48,3	51,4	50 000
52,0	45,9	49,3	46 900
54,0	43,3	47,0	44 100
56,0	40,6	44,4	41 400
58,0	37,7	41,6	38 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
67,1 m 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	130 300
28,0	72,5	72,8	117 100
30,0	70,8	72,0	106 100
32,0	69,1	71,2	96 800
34,0	67,4	70,2	88 700
36,0	65,7	69,2	81 700
38,0	63,9	68,1	75 400
40,0	62,1	67,0	69 900
42,0	60,3	65,7	64 900
44,0	58,5	64,4	60 500
46,0	56,6	62,9	56 400
48,0	54,6	61,4	52 800
50,0	52,6	59,7	49 400
52,0	50,5	57,9	46 300
54,0	48,4	56,0	43 500
56,0	46,2	53,9	40 900
58,0	43,8	51,7	38 400
60,0	41,4	49,2	36 100
62,0	38,8	46,5	34 000
64,0	36,1	43,6	32 000

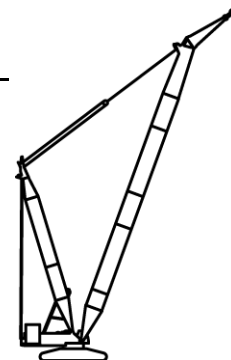
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
73,2 m Boom			
16,8	82,2	82,3	132 800 *
18,0	81,3	82,1	132 800 *
20,0	79,8	81,7	132 800 *
22,0	78,3	81,2	132 800 *
24,0	76,9	80,6	132 800 *
26,0	75,4	80,0	130 100
28,0	73,9	79,3	116 900
30,0	72,3	78,6	105 900
32,0	70,8	77,8	96 600
34,0	69,3	76,9	88 500
36,0	67,7	76,0	81 400
38,0	66,1	75,0	75 200
40,0	64,5	74,0	69 600
42,0	62,8	72,9	64 700
44,0	61,2	71,7	60 200
46,0	59,5	70,4	56 200
48,0	57,8	69,0	52 500
50,0	56,0	67,5	49 100
52,0	54,2	66,0	46 000
54,0	52,3	64,3	43 200
56,0	50,4	62,5	40 600
58,0	48,4	60,6	38 100
60,0	46,4	58,5	35 900
62,0	44,3	56,3	33 700
64,0	42,1	54,0	31 800
66,0	39,7	51,4	29 900
68,0	37,3	48,6	28 200

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
206 840 kg Crane Counterweight
105 230 kg Carbody Counterweight
360 Degree Rating

Meets
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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
79,2 m 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	129 500
28,0	75,0	85,7	116 300
30,0	73,6	85,1	105 300
32,0	72,2	84,3	95 900
34,0	70,8	83,6	87 800
36,0	69,4	82,7	80 700
38,0	67,9	81,8	74 500
40,0	66,4	80,8	68 900
42,0	65,0	79,8	63 900
44,0	63,4	78,7	59 500
46,0	61,9	77,6	55 400
48,0	60,3	76,3	51 700
50,0	58,8	75,0	48 400
52,0	57,1	73,6	45 300
54,0	55,5	72,1	42 400
56,0	53,8	70,6	39 800
58,0	52,1	68,9	37 400
60,0	50,3	67,1	35 100
62,0	48,5	65,2	33 000
64,0	46,6	63,2	31 000
66,0	44,6	61,0	29 200
68,0	42,6	58,7	27 500
70,0	40,5	56,2	25 800
72,0	38,2	53,5	24 300
74,0	35,9	50,5	22 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
85,3 m 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	129 200
28,0	76,1	92,1	115 900
30,0	74,8	91,5	104 900
32,0	73,5	90,8	95 500
34,0	72,1	90,1	87 400
36,0	70,8	89,3	80 300
38,0	69,5	88,5	74 000
40,0	68,1	87,6	68 500
42,0	66,7	86,7	63 500
44,0	65,4	85,7	59 000
46,0	64,0	84,6	55 000
48,0	62,5	83,5	51 300
50,0	61,1	82,3	48 000
52,0	59,6	81,0	44 900
54,0	58,1	79,7	42 000
56,0	56,6	78,2	39 400
58,0	55,1	76,7	37 000
60,0	53,5	75,2	34 700
62,0	51,9	73,5	32 600
64,0	50,2	71,7	30 600
66,0	48,5	69,8	28 800
68,0	46,8	67,8	27 000
70,0	44,9	65,7	25 400
72,0	43,1	63,4	23 800
74,0	41,1	61,0	22 400
76,0	39,1	58,3	21 000
78,0	36,9	55,5	19 700

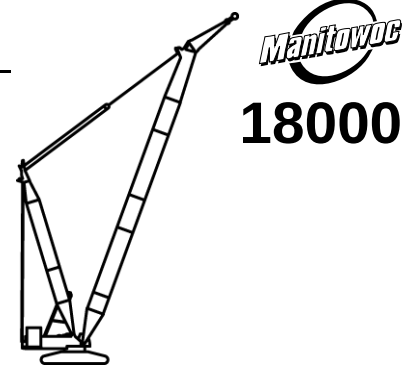
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
91,4 m Boom			
18,3	82,7	100,6	132 800 *
20,0	81,7	100,3	132 800 *
22,0	80,5	99,9	132 800 *
24,0	79,3	99,5	130 000 *
26,0	78,2	99,0	121 800 *
28,0	76,9	98,4	113 800
30,0	75,7	97,9	104 500
32,0	74,5	97,2	94 900
34,0	73,3	96,6	86 700
36,0	72,1	95,8	79 600
38,0	70,8	95,1	73 300
40,0	69,6	94,2	67 700
42,0	68,3	93,4	62 700
44,0	67,0	92,4	58 200
46,0	65,7	91,5	54 200
48,0	64,4	90,4	50 500
50,0	63,1	89,3	47 100
52,0	61,7	88,2	44 000
54,0	60,4	86,9	41 200
56,0	59,0	85,7	38 500
58,0	57,6	84,3	36 100
60,0	56,2	82,9	33 800
62,0	54,7	81,3	31 700
64,0	53,2	79,8	29 800
66,0	51,7	78,1	27 900
68,0	50,1	76,3	26 200
70,0	48,5	74,4	24 600
72,0	46,9	72,4	23 000
74,0	45,2	70,3	21 600
76,0	43,5	68,1	20 200
78,0	41,7	65,7	18 900
80,0	39,8	63,2	17 600
82,0	37,8	60,4	16 500

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
206 840 kg Crane Counterweight
105 230 kg Carbody Counterweight
360 Degree Rating

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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
97,5 m 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	104,8	107 800 *
30,0	76,6	104,2	101 200 *
32,0	75,5	103,6	94 400
34,0	74,3	103,0	86 200
36,0	73,2	102,3	79 000
38,0	72,0	101,6	72 800
40,0	70,8	100,8	67 200
42,0	69,6	100,0	62 200
44,0	68,4	99,2	57 700
46,0	67,2	98,2	53 700
48,0	66,0	97,3	49 900
50,0	64,8	96,3	46 600
52,0	63,6	95,2	43 500
54,0	62,3	94,1	40 600
56,0	61,0	92,9	38 000
58,0	59,7	91,6	35 500
60,0	58,4	90,3	33 300
62,0	57,1	88,9	31 200
64,0	55,7	87,5	29 200
66,0	54,4	85,9	27 400
68,0	53,0	84,3	25 600
70,0	51,5	82,7	24 000
72,0	50,1	80,9	22 500
74,0	48,6	79,0	21 000
76,0	47,0	77,1	19 600
78,0	45,5	75,0	18 400
80,0	43,8	72,8	17 100
82,0	42,1	70,4	15 900
84,0	40,4	67,9	14 800
86,0	38,6	65,3	13 800
88,0	36,7	62,5	12 700

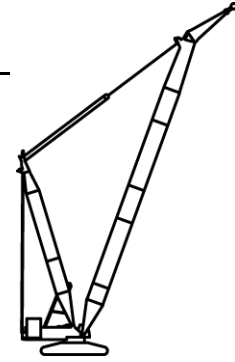
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
103,6 m Boom			
19,8	82,7	112,7	115 200 *
20,0	82,6	112,7	115 200 *
22,0	81,6	112,3	114 600 *
24,0	80,5	111,9	114 000 *
26,0	79,5	111,5	109 400 *
28,0	78,4	111,0	101 900 *
30,0	77,4	110,5	95 500 *
32,0	76,3	110,0	89 800 *
34,0	75,2	109,4	84 600
36,0	74,1	108,8	78 400
38,0	73,0	108,1	72 000
40,0	71,9	107,3	66 400
42,0	70,8	106,6	61 400
44,0	69,7	105,8	56 900
46,0	68,6	104,9	52 800
48,0	67,4	104,0	49 100
50,0	66,3	103,1	45 700
52,0	65,1	102,1	42 600
54,0	64,0	101,0	39 800
56,0	62,8	99,9	37 100
58,0	61,6	98,8	34 700
60,0	60,4	97,6	32 400
62,0	59,2	96,3	30 300
64,0	57,9	94,9	28 400
66,0	56,7	93,6	26 500
68,0	55,4	92,1	24 800
70,0	54,1	90,6	23 100
72,0	52,7	88,9	21 600
74,0	51,4	87,2	20 100
76,0	50,0	85,5	18 800
78,0	48,6	83,6	17 500
80,0	47,1	81,7	16 200
82,0	45,7	79,6	15 000
84,0	44,1	77,4	13 900
86,0	42,6	75,1	12 900
88,0	40,9	72,7	11 900
90,0	39,2	70,1	10 900
92,0	37,5	67,4	9 900
94,0	35,7	64,5	9 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
109,7 m 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	117,8	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	71 200
40,0	72,9	113,8	65 600
42,0	71,9	113,1	60 600
44,0	70,8	112,3	56 100
46,0	69,8	111,6	52 000
48,0	68,7	110,7	48 300
50,0	67,6	109,8	44 900
52,0	66,5	108,9	41 800
54,0	65,5	107,9	39 000
56,0	64,3	106,9	36 300
58,0	63,2	105,8	33 900
60,0	62,1	104,7	31 600
62,0	61,0	103,5	29 500
64,0	59,8	102,2	27 500
66,0	58,6	100,9	25 700
68,0	57,5	99,6	23 900
70,0	56,3	98,2	22 300
72,0	55,0	96,7	20 700
74,0	53,8	95,2	19 300
76,0	52,5	93,5	17 900
78,0	51,3	91,8	16 600
80,0	50,0	90,1	15 400
82,0	48,6	88,2	14 200
84,0	47,2	86,3	13 100
86,0	45,8	84,2	12 000
88,0	44,4	82,1	11 000
90,0	42,9	79,8	10 100
92,0	41,4	77,4	9 100
94,0	39,8	74,9	8 200
96,0	38,2	72,3	7 400

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
206 840 kg Crane Counterweight
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360 Degree Rating

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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
115,8 m 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	64 500
42,0	72,8	119,6	59 800
44,0	71,8	118,9	55 200
46,0	70,8	118,1	51 100
48,0	69,8	117,3	47 400
50,0	68,8	116,5	44 000
52,0	67,8	115,6	40 900
54,0	66,8	114,7	38 000
56,0	65,7	113,7	35 400
58,0	64,7	112,7	33 000
60,0	63,6	111,6	30 700
62,0	62,6	110,5	28 500
64,0	61,5	109,4	26 600
66,0	60,4	108,2	24 700
68,0	59,3	106,9	23 000
70,0	58,2	105,6	21 300
72,0	57,1	104,2	19 800
74,0	55,9	102,8	18 400
76,0	54,7	101,3	17 000
78,0	53,6	99,8	15 700
80,0	52,4	98,1	14 500
82,0	51,1	96,4	13 300
84,0	49,9	94,7	12 200
86,0	48,6	92,8	11 100
88,0	47,3	90,9	10 100
90,0	46,0	88,9	9 100
92,0	44,7	86,7	8 200
94,0	43,3	84,5	7 300