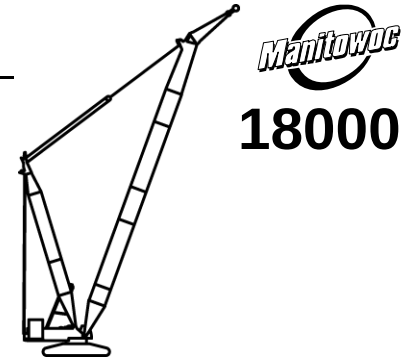


Liftcrane Boom Extended Upper Point Capacities

Boom No. 55-79A with 30,5 m Mast No. 56 and
7,6 m Extended Upper Boom Point
174 180 kg Crane Counterweight
65 320 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, 174 180 kg crane counterweight and 65 320 kg carbody counterweight.

Maximum Boom Length Lifted Unassisted	
Over End of Blocked Crawlers	Over Side of Crawlers
Boom Length	Boom Length
103,6 m	97,5 m
Load block, hook and weight ball on ground at start.	

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

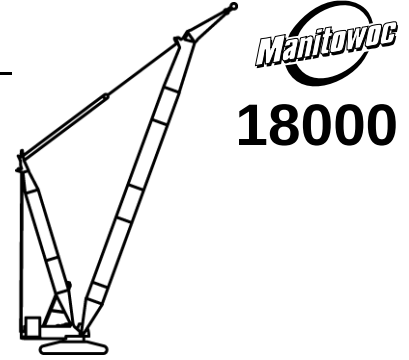
WARNING: This chart requires boom top modification No. A16449.

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

Liftcrane Boom Extended Upper Point Capacities

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360 Degree Rating

Meets
ANSI B30.5
Requirements



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	124 700
26,0	72,6	67,1	111 100
28,0	70,8	66,3	99 900
30,0	69,0	65,4	90 400
32,0	67,1	64,4	82 200
34,0	65,2	63,4	75 200
36,0	63,3	62,3	69 000
38,0	61,3	61,0	63 600
40,0	59,3	59,7	58 800
42,0	57,2	58,3	54 500
44,0	55,1	56,8	50 500
46,0	52,9	55,1	47 000
48,0	50,7	53,3	43 800
50,0	48,3	51,4	40 900
52,0	45,9	49,3	38 200
54,0	43,3	47,0	35 700
56,0	40,6	44,4	33 400
58,0	37,7	41,6	31 200

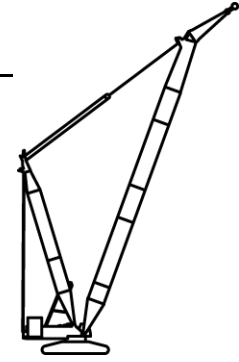
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
67,1 m Boom			
15,2	82,7	76,4	132 800 *
16,0	82,1	76,3	132 800 *
18,0	80,5	75,9	132 800 *
20,0	78,9	75,4	132 800 *
22,0	77,3	74,8	132 800 *
24,0	75,7	74,2	124 300
26,0	74,1	73,6	110 700
28,0	72,5	72,8	99 400
30,0	70,8	72,0	89 900
32,0	69,1	71,2	81 700
34,0	67,4	70,2	74 700
36,0	65,7	69,2	68 500
38,0	63,9	68,1	63 000
40,0	62,1	67,0	58 200
42,0	60,3	65,7	53 800
44,0	58,5	64,4	49 900
46,0	56,6	62,9	46 400
48,0	54,6	61,4	43 200
50,0	52,6	59,7	40 300
52,0	50,5	57,9	37 500
54,0	48,4	56,0	35 100
56,0	46,2	53,9	32 800
58,0	43,8	51,7	30 600
60,0	41,4	49,2	28 600
62,0	38,8	46,5	26 700
64,0	36,1	43,6	25 000

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	124 200
26,0	75,4	80,0	110 600
28,0	73,9	79,3	99 200
30,0	72,3	78,6	89 600
32,0	70,8	77,8	81 500
34,0	69,3	76,9	74 400
36,0	67,7	76,0	68 200
38,0	66,1	75,0	62 800
40,0	64,5	74,0	57 900
42,0	62,8	72,9	53 600
44,0	61,2	71,7	49 700
46,0	59,5	70,4	46 100
48,0	57,8	69,0	42 900
50,0	56,0	67,5	40 000
52,0	54,2	66,0	37 300
54,0	52,3	64,3	34 800
56,0	50,4	62,5	32 500
58,0	48,4	60,6	30 400
60,0	46,4	58,5	28 400
62,0	44,3	56,3	26 500
64,0	42,1	54,0	24 800
66,0	39,7	51,4	23 200
68,0	37,3	48,6	21 600

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
174 180 kg Crane Counterweight
65 320 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements



18000

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	123 800
26,0	76,4	86,3	110 000
28,0	75,0	85,7	98 600
30,0	73,6	85,1	89 000
32,0	72,2	84,3	80 800
34,0	70,8	83,6	73 700
36,0	69,4	82,7	67 500
38,0	67,9	81,8	62 100
40,0	66,4	80,8	57 200
42,0	65,0	79,8	52 900
44,0	63,4	78,7	48 900
46,0	61,9	77,6	45 400
48,0	60,3	76,3	42 200
50,0	58,8	75,0	39 200
52,0	57,1	73,6	36 500
54,0	55,5	72,1	34 000
56,0	53,8	70,6	31 800
58,0	52,1	68,9	29 600
60,0	50,3	67,1	27 600
62,0	48,5	65,2	25 800
64,0	46,6	63,2	24 000
66,0	44,6	61,0	22 400
68,0	42,6	58,7	20 900
70,0	40,5	56,2	19 400
72,0	38,2	53,5	18 100
74,0	35,9	50,5	16 800

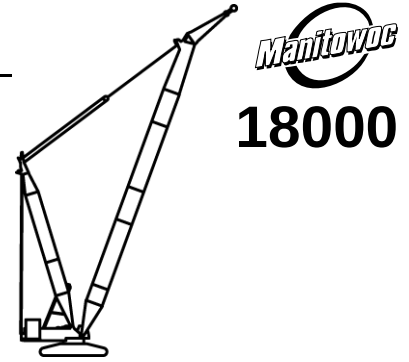
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
85,3 m Boom			
18,3	82,2	94,4	132 800 *
20,0	81,2	94,1	132 800 *
22,0	79,9	93,7	132 600
24,0	78,6	93,2	124 600
26,0	77,3	92,7	109 600
28,0	76,1	92,1	98 200
30,0	74,8	91,5	88 700
32,0	73,5	90,8	80 400
34,0	72,1	90,1	73 300
36,0	70,8	89,3	67 100
38,0	69,5	88,5	61 700
40,0	68,1	87,6	56 800
42,0	66,7	86,7	52 400
44,0	65,4	85,7	48 500
46,0	64,0	84,6	45 000
48,0	62,5	83,5	41 700
50,0	61,1	82,3	38 800
52,0	59,6	81,0	36 100
54,0	58,1	79,7	33 600
56,0	56,6	78,2	31 300
58,0	55,1	76,7	29 200
60,0	53,5	75,2	27 200
62,0	51,9	73,5	25 400
64,0	50,2	71,7	23 600
66,0	48,5	69,8	22 000
68,0	46,8	67,8	20 500
70,0	44,9	65,7	19 000
72,0	43,1	63,4	17 700
74,0	41,1	61,0	16 400
76,0	39,1	58,3	15 200
78,0	36,9	55,5	14 000

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	132 400
24,0	79,3	99,5	124 000
26,0	78,2	99,0	109 000
28,0	76,9	98,4	97 600
30,0	75,7	97,9	88 000
32,0	74,5	97,2	79 800
34,0	73,3	96,6	72 600
36,0	72,1	95,8	66 400
38,0	70,8	95,1	60 900
40,0	69,6	94,2	56 000
42,0	68,3	93,4	51 600
44,0	67,0	92,4	47 700
46,0	65,7	91,5	44 200
48,0	64,4	90,4	40 900
50,0	63,1	89,3	38 000
52,0	61,7	88,2	35 300
54,0	60,4	86,9	32 800
56,0	59,0	85,7	30 500
58,0	57,6	84,3	28 300
60,0	56,2	82,9	26 400
62,0	54,7	81,3	24 500
64,0	53,2	79,8	22 800
66,0	51,7	78,1	21 200
68,0	50,1	76,3	19 700
70,0	48,5	74,4	18 200
72,0	46,9	72,4	16 900
74,0	45,2	70,3	15 600
76,0	43,5	68,1	14 400
78,0	41,7	65,7	13 200
80,0	39,8	63,2	12 200
82,0	37,8	60,4	11 100

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
174 180 kg Crane Counterweight
65 320 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 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	122 900
26,0	78,9	105,3	108 600
28,0	77,7	104,8	97 200
30,0	76,6	104,2	87 500
32,0	75,5	103,6	79 300
34,0	74,3	103,0	72 100
36,0	73,2	102,3	65 900
38,0	72,0	101,6	60 400
40,0	70,8	100,8	55 500
42,0	69,6	100,0	51 100
44,0	68,4	99,2	47 200
46,0	67,2	98,2	43 600
48,0	66,0	97,3	40 400
50,0	64,8	96,3	37 400
52,0	63,6	95,2	34 700
54,0	62,3	94,1	32 200
56,0	61,0	92,9	29 900
58,0	59,7	91,6	27 800
60,0	58,4	90,3	25 800
62,0	57,1	88,9	24 000
64,0	55,7	87,5	22 200
66,0	54,4	85,9	20 600
68,0	53,0	84,3	19 100
70,0	51,5	82,7	17 700
72,0	50,1	80,9	16 300
74,0	48,6	79,0	15 000
76,0	47,0	77,1	13 900
78,0	45,5	75,0	12 700
80,0	43,8	72,8	11 600
82,0	42,1	70,4	10 600
84,0	40,4	67,9	9 600
86,0	38,6	65,3	8 600
88,0	36,7	62,5	7 700

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	108 100
28,0	78,4	111,0	96 500
30,0	77,4	110,5	86 800
32,0	76,3	110,0	78 500
34,0	75,2	109,4	71 400
36,0	74,1	108,8	65 100
38,0	73,0	108,1	59 600
40,0	71,9	107,3	54 700
42,0	70,8	106,6	50 300
44,0	69,7	105,8	46 400
46,0	68,6	104,9	42 800
48,0	67,4	104,0	39 500
50,0	66,3	103,1	36 600
52,0	65,1	102,1	33 900
54,0	64,0	101,0	31 400
56,0	62,8	99,9	29 000
58,0	61,6	98,8	26 900
60,0	60,4	97,6	24 900
62,0	59,2	96,3	23 100
64,0	57,9	94,9	21 400
66,0	56,7	93,6	19 700
68,0	55,4	92,1	18 200
70,0	54,1	90,6	16 800
72,0	52,7	88,9	15 400
74,0	51,4	87,2	14 200
76,0	50,0	85,5	12 900
78,0	48,6	83,6	11 800
80,0	47,1	81,7	10 700
82,0	45,7	79,6	9 700
84,0	44,1	77,4	8 700
86,0	42,6	75,1	7 800