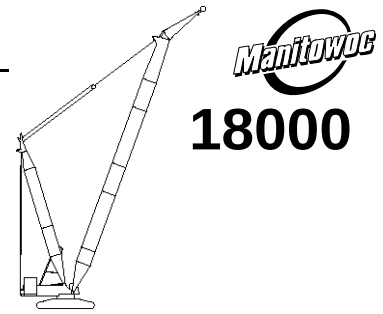


Liftcrane Boom Extended Upper Point Capacities

**Boom No. 55-79A with 30,5 m Mast No. 56 and
7,6 m Extended Upper Boom Point
125 190 kg Crane Counterweight
25 400 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 balls, 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, 30,5 m mast, 16 part boom hoist reeving, boom support straps, 125 190 kg crane counterweight and 25 400 kg carbody counterweight.

Maximum Boom Length Lifted Unassisted	
Over End of Blocked Crawlers	Over Side of Crawlers
Boom Length	Boom Length
85,3 m	79,2 m
Load block, hook and weight ball on ground at start.	

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

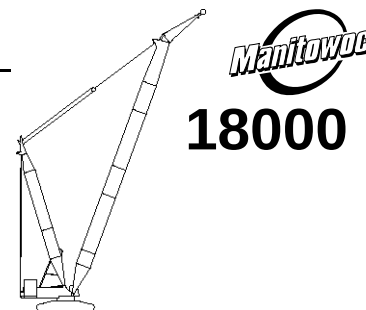
WARNING: This chart requires boom top modification No. A16449.

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

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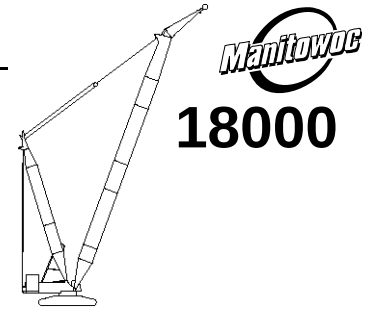
Meets
ANSI B30.5
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Oper. Rad. Meter	Boom Ang. Deg.	Boom Point Elev. Meter	Boom Capacity Kilograms
61,0 m Boom			
15,2	82,0	70,2	132 800 *
16,0	81,4	70,1	132 800 *
18,0	79,7	69,6	132 800 *
20,0	77,9	69,1	127 000
22,0	76,2	68,5	109 500
24,0	74,4	67,8	96 200
26,0	72,6	67,1	85 300
28,0	70,8	66,3	76 200
30,0	69,0	65,4	68 500
32,0	67,1	64,4	62 000
34,0	65,2	63,4	56 300
36,0	63,3	62,3	51 400
38,0	61,3	61,0	47 000
40,0	59,3	59,7	43 100
42,0	57,2	58,3	39 600
44,0	55,1	56,8	36 400
46,0	52,9	55,1	33 600
48,0	50,7	53,3	31 000
50,0	48,3	51,4	28 600
52,0	45,9	49,3	26 400
54,0	43,3	47,0	24 400
56,0	40,6	44,4	22 500
58,0	37,7	41,6	20 800

Oper. Rad. Meter	Boom Ang. Deg.	Boom Point Elev. Meter	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	126 700
22,0	77,3	74,8	109 200
24,0	75,7	74,2	95 800
26,0	74,1	73,6	84 900
28,0	72,5	72,8	75 800
30,0	70,8	72,0	68 100
32,0	69,1	71,2	61 500
34,0	67,4	70,2	55 800
36,0	65,7	69,2	50 800
38,0	63,9	68,1	46 400
40,0	62,1	67,0	42 500
42,0	60,3	65,7	39 000
44,0	58,5	64,4	35 900
46,0	56,6	62,9	33 000
48,0	54,6	61,4	30 400
50,0	52,6	59,7	28 000
52,0	50,5	57,9	25 800
54,0	48,4	56,0	23 800
56,0	46,2	53,9	21 900
58,0	43,8	51,7	20 200
60,0	41,4	49,2	18 600
62,0	38,8	46,5	17 000
64,0	36,1	43,6	15 600

Oper. Rad. Meter	Boom Ang. Deg.	Boom Point Elev. Meter	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	126 700
22,0	78,3	81,2	109 100
24,0	76,9	80,6	95 600
26,0	75,4	80,0	84 700
28,0	73,9	79,3	75 500
30,0	72,3	78,6	67 800
32,0	70,8	77,8	61 200
34,0	69,3	76,9	55 500
36,0	67,7	76,0	50 500
38,0	66,1	75,0	46 100
40,0	64,5	74,0	42 200
42,0	62,8	72,9	38 700
44,0	61,2	71,7	35 600
46,0	59,5	70,4	32 700
48,0	57,8	69,0	30 100
50,0	56,0	67,5	27 700
52,0	54,2	66,0	25 600
54,0	52,3	64,3	23 500
56,0	50,4	62,5	21 700
58,0	48,4	60,6	19 900
60,0	46,4	58,5	18 300
62,0	44,3	56,3	16 800
64,0	42,1	54,0	15 400
66,0	39,7	51,4	14 100
68,0	37,3	48,6	12 800



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25 400 kg Carbody Counterweight
360 Degree Rating**

**Meets
ANSI B30.5
Requirements**

Oper. Rad. Meter	Boom Ang. Deg.	Boom Point Elev. Meter	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	126 200
22,0	79,2	87,4	108 600
24,0	77,8	86,9	95 100
26,0	76,4	86,3	84 100
28,0	75,0	85,7	74 900
30,0	73,6	85,1	67 200
32,0	72,2	84,3	60 600
34,0	70,8	83,6	54 900
36,0	69,4	82,7	49 900
38,0	67,9	81,8	45 400
40,0	66,4	80,8	41 500
42,0	65,0	79,8	38 000
44,0	63,4	78,7	34 900
46,0	61,9	77,6	32 000
48,0	60,3	76,3	29 400
50,0	58,8	75,0	27 000
52,0	57,1	73,6	24 800
54,0	55,5	72,1	22 800
56,0	53,8	70,6	20 900
58,0	52,1	68,9	19 200
60,0	50,3	67,1	17 600
62,0	48,5	65,2	16 100
64,0	46,6	63,2	14 700
66,0	44,6	61,0	13 300
68,0	42,6	58,7	12 100
70,0	40,5	56,2	10 900
72,0	38,2	53,5	9 800
74,0	35,9	50,5	8 800

Oper. Rad. Meter	Boom Ang. Deg.	Boom Point Elev. Meter	Boom Capacity Kilograms
85,3 m Boom			
18,3	82,2	94,4	132 800 *
20,0	81,2	94,1	126 000
22,0	79,9	93,7	108 400
24,0	78,6	93,2	94 800
26,0	77,3	92,7	83 800
28,0	76,1	92,1	74 600
30,0	74,8	91,5	66 800
32,0	73,5	90,8	60 200
34,0	72,1	90,1	54 500
36,0	70,8	89,3	49 500
38,0	69,5	88,5	45 000
40,0	68,1	87,6	41 100
42,0	66,7	86,7	37 600
44,0	65,4	85,7	34 400
46,0	64,0	84,6	31 500
48,0	62,5	83,5	28 900
50,0	61,1	82,3	26 500
52,0	59,6	81,0	24 300
54,0	58,1	79,7	22 400
56,0	56,6	78,2	20 500
58,0	55,1	76,7	18 700
60,0	53,5	75,2	17 200
62,0	51,9	73,5	15 700
64,0	50,2	71,7	14 200
66,0	48,5	69,8	12 900
68,0	46,8	67,8	11 700
70,0	44,9	65,7	10 500
72,0	43,1	63,4	9 400
74,0	41,1	61,0	8 400