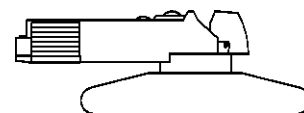


Liftcrane Boom Capacities

18000

Boom No. 55-79A with 30,5 m Mast No. 56
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 (*).

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom point sheaves, is considered part of main boom 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-A or 8514-B** 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-A**.

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: Boom point elevation is vertical distance from ground level to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 11 811 mm crawlers, 1 524 mm treads, 9 144 mm 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
91,4 m	85,3 m
Load block, hook and weight ball on ground at start.	

Upper Boom Point Deduct
Deduct 270 kg from capacities when upper boom point No. A08516 is attached.

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

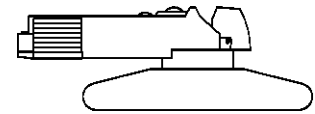
Upper Boom Point Capacity For Liftcrane Service - Whip Line		
28 mm		32 mm
Drum 2	Drum 3	Drum 2
Single Part Line		
16 240 kg	13 610 kg	22 140 kg
Two Part Line		
Upper Boom Point No. 170419		
27 220 kg	27 220 kg	27 220 kg
Upper Boom Point No. A08516		
32 480 kg	27 220 kg	44 270 kg
In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.		

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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36,6 m Boom			
7,9	82,2	39,5	453 500 *
8,0	82,1	39,5	450 500 *
10,0	78,9	39,1	361 900 *
12,0	75,7	38,5	271 600
14,0	72,4	37,9	210 700
16,0	69,0	37,1	170 800
18,0	65,5	36,2	142 900
20,0	62,0	35,1	122 000
22,0	58,3	33,8	105 800
24,0	54,4	32,3	93 000
26,0	50,3	30,7	82 500
28,0	46,0	28,7	73 700
30,0	41,2	26,5	66 300
32,0	35,9	23,7	59 900
34,0	29,8	20,4	54 400
36,0	21,9	15,8	49 500
42,7 m Boom			
8,5	82,5	45,6	427 000 *
10,0	80,5	45,3	360 700 *
12,0	77,8	44,8	271 500
14,0	75,0	44,3	210 400
16,0	72,2	43,6	170 500
18,0	69,3	42,8	142 500
20,0	66,3	42,0	121 600
22,0	63,3	40,9	105 400
24,0	60,2	39,8	92 500
26,0	57,0	38,5	82 000
28,0	53,6	37,0	73 200
30,0	50,1	35,3	65 800
32,0	46,4	33,4	59 500
34,0	42,5	31,2	54 000
36,0	38,1	28,6	49 100
38,0	33,3	25,6	44 900
40,0	27,7	22,0	41 000
42,0	20,5	17,0	37 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48,8 m Boom			
9,1	82,7	51,7	397 300 *
10,0	81,7	51,5	359 200 *
12,0	79,3	51,1	271 100
14,0	76,9	50,6	209 900
16,0	74,5	50,0	169 900
18,0	72,0	49,4	141 700
20,0	69,5	48,6	120 800
22,0	66,9	47,7	104 500
24,0	64,3	46,8	91 600
26,0	61,6	45,7	81 100
28,0	58,9	44,4	72 300
30,0	56,0	43,1	64 900
32,0	53,1	41,6	58 600
34,0	50,0	39,9	53 100
36,0	46,8	38,0	48 200
38,0	43,3	35,9	44 000
40,0	39,7	33,5	40 200
42,0	35,7	30,7	36 800
44,0	31,2	27,5	33 700
46,0	26,0	23,5	30 900
48,0	19,4	18,3	28 300
54,9 m Boom			
9,8	82,9	57,7	369 100 *
10,0	82,6	57,7	359 200 *
12,0	80,5	57,3	271 700
14,0	78,4	56,9	210 200
16,0	76,2	56,4	170 100
18,0	74,1	55,8	141 800
20,0	71,9	55,1	120 800
22,0	69,6	54,4	104 500
24,0	67,4	53,5	91 500
26,0	65,0	52,6	81 000
28,0	62,7	51,5	72 100
30,0	60,3	50,4	64 700
32,0	57,8	49,1	58 300
34,0	55,3	47,7	52 800
36,0	52,6	46,2	48 000
38,0	49,9	44,5	43 700
40,0	47,0	42,6	40 000
42,0	44,0	40,5	36 600
44,0	40,8	38,2	33 500
46,0	37,4	35,6	30 700
48,0	33,7	32,7	28 200
50,0	29,5	29,2	25 900
52,0	24,7	25,0	23 700
54,0	18,6	19,5	21 700

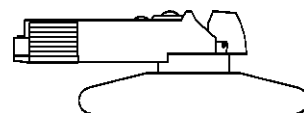
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
61,0 m Boom			
11,0	82,5	63,7	318 600
12,0	81,5	63,5	272 400
14,0	79,6	63,2	210 800
16,0	77,6	62,7	170 500
18,0	75,7	62,2	142 200
20,0	73,7	61,6	121 100
22,0	71,8	60,9	104 800
24,0	69,7	60,1	91 800
26,0	67,7	59,3	81 200
28,0	65,6	58,4	72 300
30,0	63,5	57,4	64 900
32,0	61,4	56,3	58 500
34,0	59,2	55,1	53 000
36,0	56,9	53,8	48 200
38,0	54,6	52,3	43 900
40,0	52,3	50,8	40 100
42,0	49,8	49,1	36 700
44,0	47,2	47,2	33 700
46,0	44,5	45,2	30 900
48,0	41,7	42,9	28 400
50,0	38,7	40,5	26 100
52,0	35,5	37,7	23 900
54,0	32,0	34,5	22 000
56,0	28,1	30,9	20 100
58,0	23,5	26,5	18 400

Liftcrane Boom Capacities

18000

Boom No. 55-79A with 30,5 m Mast No. 56
125 190 kg Crane Counterweight
25 400 kg Carbody Counterweight
360 Degree Rating

**Meets
ANSI B30.5
Requirements**



Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
67,1 m Boom			
11,6	82,6	69,8	289 900
12,0	82,3	69,7	273 100
14,0	80,5	69,4	210 700
16,0	78,8	68,9	170 400
18,0	77,0	68,5	142 000
20,0	75,3	67,9	120 800
22,0	73,5	67,3	104 400
24,0	71,7	66,7	91 400
26,0	69,9	65,9	80 700
28,0	68,0	65,1	71 900
30,0	66,1	64,2	64 400
32,0	64,2	63,2	58 000
34,0	62,3	62,2	52 500
36,0	60,3	61,0	47 700
38,0	58,3	59,7	43 400
40,0	56,2	58,4	39 600
42,0	54,1	56,9	36 200
44,0	52,0	55,4	33 100
46,0	49,7	53,7	30 400
48,0	47,4	51,8	27 800
50,0	45,0	49,8	25 500
52,0	42,4	47,6	23 400
54,0	39,8	45,2	21 500
56,0	36,9	42,6	19 600
58,0	33,9	39,6	17 900
60,0	30,6	36,3	16 300
62,0	26,9	32,5	14 900
64,0	22,6	27,9	13 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
73,2 m Boom			
12,2	82,8	75,8	265 700
14,0	81,3	75,6	210 900
16,0	79,7	75,2	170 400
18,0	78,1	74,7	141 900
20,0	76,5	74,3	120 800
22,0	74,9	73,7	104 300
24,0	73,3	73,1	91 200
26,0	71,6	72,4	80 600
28,0	69,9	71,7	71 700
30,0	68,2	70,9	64 300
32,0	66,5	70,0	57 900
34,0	64,8	69,0	52 300
36,0	63,0	68,0	47 500
38,0	61,2	66,9	43 200
40,0	59,4	65,7	39 400
42,0	57,6	64,4	36 000
44,0	55,7	63,0	32 900
46,0	53,7	61,6	30 200
48,0	51,7	60,0	27 600
50,0	49,7	58,3	25 400
52,0	47,5	56,4	23 200
54,0	45,3	54,5	21 300
56,0	43,0	52,3	19 500
58,0	40,6	50,0	17 800
60,0	38,1	47,4	16 200
62,0	35,4	44,6	14 800
64,0	32,5	41,5	13 400
66,0	29,4	38,0	12 100
68,0	25,8	34,0	10 900
70,0	21,8	29,2	9 700

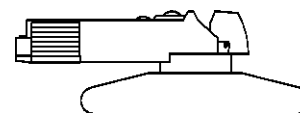
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
79,2 m Boom			
13,7	82,2	81,8	218 100
14,0	82,0	81,7	211 700
16,0	80,5	81,4	170 000
18,0	79,1	81,0	141 500
20,0	77,6	80,5	120 300
22,0	76,1	80,0	103 800
24,0	74,6	79,5	90 600
26,0	73,1	78,8	80 000
28,0	71,5	78,2	71 100
30,0	70,0	77,4	63 600
32,0	68,4	76,6	57 200
34,0	66,9	75,8	51 600
36,0	65,3	74,8	46 800
38,0	63,7	73,8	42 500
40,0	62,0	72,8	38 700
42,0	60,4	71,6	35 300
44,0	58,7	70,4	32 200
46,0	56,9	69,1	29 500
48,0	55,2	67,7	26 900
50,0	53,4	66,2	24 600
52,0	51,5	64,6	22 500
54,0	49,6	62,9	20 600
56,0	47,6	61,0	18 800
58,0	45,6	59,1	17 100
60,0	43,5	57,0	15 500
62,0	41,3	54,7	14 100
64,0	39,0	52,2	12 700
66,0	36,6	49,6	11 400
68,0	34,1	46,6	10 200
70,0	31,3	43,4	9 100
72,0	28,3	39,7	8 000

Liftcrane Boom Capacities

18000

Boom No. 55-79A with 30,5 m Mast No. 56
125 190 kg Crane Counterweight
25 400 kg Carbody Counterweight
360 Degree Rating

**Meets
ANSI B30.5
Requirements**



Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
85,3 m Boom			
13,7	82,8	87,9	218 000
14,0	82,6	87,9	211 700
16,0	81,2	87,6	169 900
18,0	79,9	87,2	141 300
20,0	78,5	86,8	120 000
22,0	77,1	86,3	103 500
24,0	75,7	85,8	90 300
26,0	74,3	85,2	79 600
28,0	72,9	84,6	70 700
30,0	71,5	83,9	63 300
32,0	70,1	83,2	56 800
34,0	68,6	82,4	51 300
36,0	67,2	81,5	46 400
38,0	65,7	80,6	42 100
40,0	64,2	79,7	38 300
42,0	62,7	78,6	34 900
44,0	61,1	77,5	31 800
46,0	59,6	76,3	29 100
48,0	58,0	75,1	26 500
50,0	56,4	73,7	24 200
52,0	54,7	72,3	22 100
54,0	53,0	70,8	20 100
56,0	51,3	69,2	18 300
58,0	49,6	67,5	16 700
60,0	47,7	65,6	15 100
62,0	45,9	63,7	13 700
64,0	43,9	61,6	12 300
66,0	41,9	59,4	11 000
68,0	39,8	57,0	9 900
70,0	37,6	54,4	8 700
72,0	35,3	51,6	7 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
91,4 m Boom			
15,2	82,3	93,9	183 400
16,0	81,8	93,8	170 500
18,0	80,5	93,4	140 800
20,0	79,3	93,0	119 400
22,0	78,0	92,6	102 800
24,0	76,7	92,1	89 700
26,0	75,4	91,6	79 000
28,0	74,1	91,0	70 000
30,0	72,8	90,4	62 500
32,0	71,5	89,7	56 100
34,0	70,1	88,9	50 500
36,0	68,8	88,2	45 600
38,0	67,4	87,3	41 300
40,0	66,0	86,4	37 500
42,0	64,6	85,5	34 100
44,0	63,2	84,4	31 000
46,0	61,8	83,4	28 200
48,0	60,4	82,2	25 700
50,0	58,9	81,0	23 400
52,0	57,4	79,7	21 300
54,0	55,9	78,4	19 300
56,0	54,4	76,9	17 500
58,0	52,8	75,4	15 800
60,0	51,2	73,8	14 300
62,0	49,5	72,1	12 800
64,0	47,8	70,2	11 500
66,0	46,1	68,3	10 200
68,0	44,3	66,3	9 000
70,0	42,4	64,1	7 900