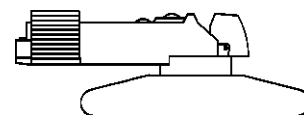


Liftcrane Boom Capacities

18000

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

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, 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
109,7 m	97,5 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.

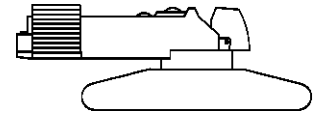
Upper Boom Point Capacity For Liftcrane Service - Whip Line		
28 mm		32 mm
Drum 2	Drum 3	Drum 2
Single Part Line		
16 240 kg	13 610 kg	22 140 kg
Two Part Line		
Upper Boom Point No. 170419		
27 220 kg	27 220 kg	27 220 kg
Upper Boom Point No. A08516		
32 480 kg	27 220 kg	44 270 kg
In all cases, upper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

Liftcrane Boom Capacities

18000

Boom No. 55-79A with 30,5 m Mast No. 56
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
36,6 m Boom			
7,9	82,2	39,5	453 500 *
8,0	82,1	39,5	453 500 *
10,0	78,9	39,1	389 400 *
12,0	75,7	38,5	320 100 *
14,0	72,4	37,9	268 200
16,0	69,0	37,1	219 300
18,0	65,5	36,2	184 000
20,0	62,0	35,1	157 900
22,0	58,3	33,8	137 600
24,0	54,4	32,3	121 500
26,0	50,3	30,7	108 300
28,0	46,0	28,7	97 400
30,0	41,2	26,5	88 100
32,0	35,9	23,7	80 200
34,0	29,8	20,4	73 300
36,0	21,9	15,8	67 200
42,7 m Boom			
8,5	82,5	45,6	453 200 *
10,0	80,5	45,3	388 000 *
12,0	77,8	44,8	319 000 *
14,0	75,0	44,3	267 300
16,0	72,2	43,6	219 100
18,0	69,3	42,8	183 600
20,0	66,3	42,0	157 400
22,0	63,3	40,9	137 100
24,0	60,2	39,8	121 000
26,0	57,0	38,5	107 800
28,0	53,6	37,0	96 900
30,0	50,1	35,3	87 600
32,0	46,4	33,4	79 700
34,0	42,5	31,2	72 800
36,0	38,1	28,6	66 800
38,0	33,3	25,6	61 500
40,0	27,7	22,0	56 700
42,0	20,5	17,0	52 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48,8 m Boom			
9,1	82,7	51,7	421 900 *
10,0	81,7	51,5	386 200 *
12,0	79,3	51,1	317 500 *
14,0	76,9	50,6	265 900
16,0	74,5	50,0	218 500
18,0	72,0	49,4	182 800
20,0	69,5	48,6	156 600
22,0	66,9	47,7	136 300
24,0	64,3	46,8	120 100
26,0	61,6	45,7	106 900
28,0	58,9	44,4	96 000
30,0	56,0	43,1	86 700
32,0	53,1	41,6	78 800
34,0	50,0	39,9	71 900
36,0	46,8	38,0	65 900
38,0	43,3	35,9	60 600
40,0	39,7	33,5	55 900
42,0	35,7	30,7	51 600
44,0	31,2	27,5	47 800
46,0	26,0	23,5	44 300
48,0	19,4	18,3	41 100
54,9 m Boom			
9,8	82,9	57,7	372 200 *
10,0	82,6	57,7	372 200 *
12,0	80,5	57,3	317 000 *
14,0	78,4	56,9	265 500
16,0	76,2	56,4	218 800
18,0	74,1	55,8	182 900
20,0	71,9	55,1	156 600
22,0	69,6	54,4	136 200
24,0	67,4	53,5	120 000
26,0	65,0	52,6	106 800
28,0	62,7	51,5	95 800
30,0	60,3	50,4	86 500
32,0	57,8	49,1	78 600
34,0	55,3	47,7	71 700
36,0	52,6	46,2	65 700
38,0	49,9	44,5	60 400
40,0	47,0	42,6	55 700
42,0	44,0	40,5	51 400
44,0	40,8	38,2	47 600
46,0	37,4	35,6	44 200
48,0	33,7	32,7	41 000
50,0	29,5	29,2	38 100
52,0	24,7	25,0	35 400
54,0	18,6	19,5	32 900

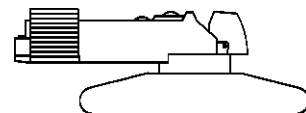
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
61,0 m Boom			
11,0	82,5	63,7	342 000 *
12,0	81,5	63,5	317 900 *
14,0	79,6	63,2	265 500
16,0	77,6	62,7	219 400
18,0	75,7	62,2	183 300
20,0	73,7	61,6	157 000
22,0	71,8	60,9	136 500
24,0	69,7	60,1	120 300
26,0	67,7	59,3	107 100
28,0	65,6	58,4	96 000
30,0	63,5	57,4	86 700
32,0	61,4	56,3	78 800
34,0	59,2	55,1	71 900
36,0	56,9	53,8	65 900
38,0	54,6	52,3	60 600
40,0	52,3	50,8	55 800
42,0	49,8	49,1	51 600
44,0	47,2	47,2	47 800
46,0	44,5	45,2	44 300
48,0	41,7	42,9	41 200
50,0	38,7	40,5	38 300
52,0	35,5	37,7	35 700
54,0	32,0	34,5	33 200
56,0	28,1	30,9	31 000
58,0	23,5	26,5	28 800

Liftcrane Boom Capacities

18000

Boom No. 55-79A with 30,5 m Mast No. 56
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
67,1 m Boom			
11,6	82,6	69,8	309 800 *
12,0	82,3	69,7	309 800 *
14,0	80,5	69,4	264 900
16,0	78,8	68,9	219 300
18,0	77,0	68,5	183 000
20,0	75,3	67,9	156 600
22,0	73,5	67,3	136 100
24,0	71,7	66,7	119 800
26,0	69,9	65,9	106 600
28,0	68,0	65,1	95 600
30,0	66,1	64,2	86 200
32,0	64,2	63,2	78 300
34,0	62,3	62,2	71 400
36,0	60,3	61,0	65 300
38,0	58,3	59,7	60 000
40,0	56,2	58,4	55 300
42,0	54,1	56,9	51 000
44,0	52,0	55,4	47 200
46,0	49,7	53,7	43 800
48,0	47,4	51,8	40 700
50,0	45,0	49,8	37 800
52,0	42,4	47,6	35 100
54,0	39,8	45,2	32 700
56,0	36,9	42,6	30 400
58,0	33,9	39,6	28 300
60,0	30,6	36,3	26 400
62,0	26,9	32,5	24 600
64,0	22,6	27,9	22 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
73,2 m Boom			
12,2	82,8	75,8	287 400 *
14,0	81,3	75,6	266 200
16,0	79,7	75,2	219 400
18,0	78,1	74,7	183 000
20,0	76,5	74,3	156 600
22,0	74,9	73,7	136 100
24,0	73,3	73,1	119 700
26,0	71,6	72,4	106 500
28,0	69,9	71,7	95 400
30,0	68,2	70,9	86 100
32,0	66,5	70,0	78 100
34,0	64,8	69,0	71 200
36,0	63,0	68,0	65 200
38,0	61,2	66,9	59 800
40,0	59,4	65,7	55 100
42,0	57,6	64,4	50 900
44,0	55,7	63,0	47 100
46,0	53,7	61,6	43 600
48,0	51,7	60,0	40 500
50,0	49,7	58,3	37 600
52,0	47,5	56,4	35 000
54,0	45,3	54,5	32 600
56,0	43,0	52,3	30 300
58,0	40,6	50,0	28 200
60,0	38,1	47,4	26 300
62,0	35,4	44,6	24 500
64,0	32,5	41,5	22 800
66,0	29,4	38,0	21 200
68,0	25,8	34,0	19 700
70,0	21,8	29,2	18 200

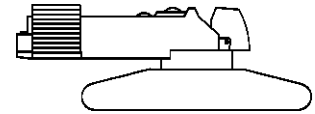
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
79,2 m Boom			
13,7	82,2	81,8	255 100 *
14,0	82,0	81,7	250 700 *
16,0	80,5	81,4	217 800
18,0	79,1	81,0	182 900
20,0	77,6	80,5	156 100
22,0	76,1	80,0	135 500
24,0	74,6	79,5	119 200
26,0	73,1	78,8	105 800
28,0	71,5	78,2	94 800
30,0	70,0	77,4	85 400
32,0	68,4	76,6	77 400
34,0	66,9	75,8	70 500
36,0	65,3	74,8	64 500
38,0	63,7	73,8	59 100
40,0	62,0	72,8	54 400
42,0	60,4	71,6	50 100
44,0	58,7	70,4	46 300
46,0	56,9	69,1	42 900
48,0	55,2	67,7	39 700
50,0	53,4	66,2	36 900
52,0	51,5	64,6	34 200
54,0	49,6	62,9	31 800
56,0	47,6	61,0	29 600
58,0	45,6	59,1	27 500
60,0	43,5	57,0	25 500
62,0	41,3	54,7	23 800
64,0	39,0	52,2	22 000
66,0	36,6	49,6	20 500
68,0	34,1	46,6	19 000
70,0	31,3	43,4	17 600
72,0	28,3	39,7	16 300
74,0	24,9	35,5	15 000
76,0	21,1	30,6	13 800

Liftcrane Boom Capacities

18000

Boom No. 55-79A with 30,5 m Mast No. 56
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
85,3 m Boom			
13,7	82,8	87,9	221 300 *
14,0	82,6	87,9	220 700 *
16,0	81,2	87,6	210 900 *
18,0	79,9	87,2	182 500
20,0	78,5	86,8	155 800
22,0	77,1	86,3	135 200
24,0	75,7	85,8	118 900
26,0	74,3	85,2	105 500
28,0	72,9	84,6	94 400
30,0	71,5	83,9	85 100
32,0	70,1	83,2	77 100
34,0	68,6	82,4	70 200
36,0	67,2	81,5	64 100
38,0	65,7	80,6	58 800
40,0	64,2	79,7	54 000
42,0	62,7	78,6	49 800
44,0	61,1	77,5	45 900
46,0	59,6	76,3	42 500
48,0	58,0	75,1	39 300
50,0	56,4	73,7	36 500
52,0	54,7	72,3	33 800
54,0	53,0	70,8	31 400
56,0	51,3	69,2	29 200
58,0	49,6	67,5	27 100
60,0	47,7	65,6	25 200
62,0	45,9	63,7	23 400
64,0	43,9	61,6	21 700
66,0	41,9	59,4	20 100
68,0	39,8	57,0	18 600
70,0	37,6	54,4	17 300
72,0	35,3	51,6	15 900
74,0	32,9	48,5	14 700
76,0	30,2	45,2	13 500
78,0	27,4	41,4	12 400
80,0	24,1	37,0	11 300
82,0	20,5	31,9	10 200

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
91,4 m Boom			
15,2	82,3	93,9	195 200 *
16,0	81,8	93,8	192 000 *
18,0	80,5	93,4	177 300 *
20,0	79,3	93,0	155 500
22,0	78,0	92,6	134 600
24,0	76,7	92,1	118 200
26,0	75,4	91,6	104 800
28,0	74,1	91,0	93 700
30,0	72,8	90,4	84 300
32,0	71,5	89,7	76 300
34,0	70,1	88,9	69 300
36,0	68,8	88,2	63 300
38,0	67,4	87,3	57 900
40,0	66,0	86,4	53 200
42,0	64,6	85,5	49 000
44,0	63,2	84,4	45 100
46,0	61,8	83,4	41 700
48,0	60,4	82,2	38 500
50,0	58,9	81,0	35 600
52,0	57,4	79,7	33 000
54,0	55,9	78,4	30 600
56,0	54,4	76,9	28 300
58,0	52,8	75,4	26 300
60,0	51,2	73,8	24 300
62,0	49,5	72,1	22 500
64,0	47,8	70,2	20 900
66,0	46,1	68,3	19 300
68,0	44,3	66,3	17 800
70,0	42,4	64,1	16 400
72,0	40,5	61,7	15 100
74,0	38,5	59,2	13 800
76,0	36,4	56,5	12 700
78,0	34,2	53,6	11 500
80,0	31,8	50,4	10 500
82,0	29,3	46,9	9 500
84,0	26,5	43,0	8 500
86,0	23,4	38,5	7 600

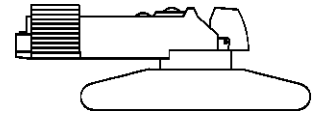
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
97,5 m Boom			
15,2	82,8	100,0	180 300 *
16,0	82,3	99,9	177 400 *
18,0	81,1	99,6	167 300 *
20,0	79,9	99,2	151 600
22,0	78,7	98,8	134 700
24,0	77,5	98,4	117 700
26,0	76,3	97,9	104 300
28,0	75,1	97,3	93 200
30,0	73,9	96,8	83 800
32,0	72,7	96,1	75 800
34,0	71,4	95,4	68 800
36,0	70,2	94,7	62 700
38,0	68,9	93,9	57 400
40,0	67,6	93,1	52 700
42,0	66,3	92,2	48 400
44,0	65,0	91,3	44 600
46,0	63,7	90,3	41 100
48,0	62,4	89,2	38 000
50,0	61,1	88,1	35 100
52,0	59,7	86,9	32 500
54,0	58,3	85,7	30 100
56,0	56,9	84,4	27 800
58,0	55,5	83,0	25 700
60,0	54,0	81,5	23 800
62,0	52,5	80,0	22 000
64,0	51,0	78,4	20 300
66,0	49,5	76,7	18 700
68,0	47,9	74,8	17 300
70,0	46,3	72,9	15 900
72,0	44,6	70,9	14 600
74,0	42,9	68,7	13 300
76,0	41,1	66,5	12 200
78,0	39,2	64,0	11 000
80,0	37,3	61,4	10 000
82,0	35,3	58,6	9 000
84,0	33,1	55,5	8 000

Liftcrane Boom Capacities

18000

Boom No. 55-79A with 30,5 m Mast No. 56
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
103,6 m Boom			
16,8	82,4	106,0	142 200 *
18,0	81,7	105,8	141 500 *
20,0	80,5	105,4	139 900 *
22,0	79,4	105,1	131 800
24,0	78,3	104,6	117 400
26,0	77,2	104,2	103 600
28,0	76,0	103,7	92 400
30,0	74,9	103,1	83 000
32,0	73,7	102,5	75 000
34,0	72,6	101,9	68 000
36,0	71,4	101,2	61 900
38,0	70,2	100,5	56 500
40,0	69,0	99,7	51 800
42,0	67,8	98,9	47 500
44,0	66,6	98,0	43 700
46,0	65,4	97,1	40 200
48,0	64,2	96,1	37 100
50,0	62,9	95,1	34 200
52,0	61,7	94,0	31 600
54,0	60,4	92,8	29 200
56,0	59,1	91,6	26 900
58,0	57,8	90,4	24 800
60,0	56,5	89,0	22 900
62,0	55,1	87,6	21 100
64,0	53,7	86,2	19 400
66,0	52,3	84,6	17 800
68,0	50,9	83,0	16 400
70,0	49,5	81,3	15 000
72,0	48,0	79,4	13 700
74,0	46,4	77,6	12 400
76,0	44,9	75,5	11 300
78,0	43,3	73,4	10 100
80,0	41,6	71,2	9 100
82,0	39,9	68,8	8 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
109,7 m Boom			
16,8	82,8	112,1	135 400 *
18,0	82,1	111,9	135 300 *
20,0	81,1	111,6	133 700 *
22,0	80,0	111,3	125 000 *
24,0	78,9	110,9	114 700 *
26,0	77,9	110,4	103 000
28,0	76,8	110,0	91 800
30,0	75,7	109,4	82 300
32,0	74,6	108,9	74 300
34,0	73,6	108,3	67 300
36,0	72,5	107,6	61 200
38,0	71,4	107,0	55 800
40,0	70,2	106,2	51 000
42,0	69,1	105,5	46 800
44,0	68,0	104,6	42 900
46,0	66,9	103,8	39 500
48,0	65,7	102,9	36 300
50,0	64,6	101,9	33 400
52,0	63,4	100,9	30 800
54,0	62,2	99,8	28 400
56,0	61,0	98,7	26 100
58,0	59,8	97,6	24 000
60,0	58,6	96,3	22 100
62,0	57,3	95,0	20 300
64,0	56,1	93,7	18 600
66,0	54,8	92,3	17 100
68,0	53,5	90,8	15 600
70,0	52,2	89,2	14 200
72,0	50,8	87,6	12 900
74,0	49,4	85,9	11 600
76,0	48,0	84,1	10 500
78,0	46,6	82,2	9 400
80,0	45,1	80,2	8 300
82,0	43,6	78,1	7 300