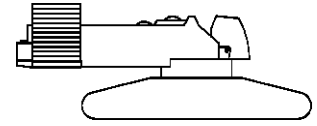


Liftcrane Boom Capacities

18000

Boom No. 55-79A with 30,5 m Mast No. 56
206 840 kg Crane Counterweight
105 230 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, 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	109,7 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.

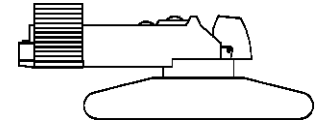
Upper Boom Point Capacity For Liftcrane Service - Whip Line		
28 mm		32 mm
Drum 2	Drum 3	Drum 2
Single Part Line		
16 240 kg	13 610 kg	22 140 kg
Two Part Line		
Upper Boom Point No. 170419		
27 220 kg	27 220 kg	27 220 kg
Upper Boom Point No. A08516		
32 480 kg	27 220 kg	44 270 kg
In all cases, upper 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
206 840 kg Crane Counterweight
105 230 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	404 500 *
12,0	75,7	38,5	336 800 *
14,0	72,4	37,9	283 500 *
16,0	69,0	37,1	244 000 *
18,0	65,5	36,2	213 600
20,0	62,0	35,1	184 600
22,0	58,3	33,8	161 300
24,0	54,4	32,3	142 700
26,0	50,3	30,7	127 600
28,0	46,0	28,7	115 000
30,0	41,2	26,5	104 400
32,0	35,9	23,7	95 300
34,0	29,8	20,4	87 300
36,0	21,9	15,8	80 400
42,7 m Boom			
8,5	82,5	45,6	453 500 *
10,0	80,5	45,3	403 100 *
12,0	77,8	44,8	335 600 *
14,0	75,0	44,3	282 500 *
16,0	72,2	43,6	243 000 *
18,0	69,3	42,8	212 700 *
20,0	66,3	42,0	184 200
22,0	63,3	40,9	160 800
24,0	60,2	39,8	142 300
26,0	57,0	38,5	127 100
28,0	53,6	37,0	114 600
30,0	50,1	35,3	103 900
32,0	46,4	33,4	94 800
34,0	42,5	31,2	86 900
36,0	38,1	28,6	80 000
38,0	33,3	25,6	73 900
40,0	27,7	22,0	68 500
42,0	20,5	17,0	63 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48,8 m Boom			
9,1	82,7	51,7	426 000 *
10,0	81,7	51,5	402 700 *
12,0	79,3	51,1	334 000 *
14,0	76,9	50,6	281 000 *
16,0	74,5	50,0	241 600 *
18,0	72,0	49,4	211 300 *
20,0	69,5	48,6	183 400
22,0	66,9	47,7	159 900
24,0	64,3	46,8	141 400
26,0	61,6	45,7	126 200
28,0	58,9	44,4	113 600
30,0	56,0	43,1	103 000
32,0	53,1	41,6	93 900
34,0	50,0	39,9	86 000
36,0	46,8	38,0	79 100
38,0	43,3	35,9	73 000
40,0	39,7	33,5	67 600
42,0	35,7	30,7	62 700
44,0	31,2	27,5	58 300
46,0	26,0	23,5	54 300
48,0	19,4	18,3	50 700
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	333 500 *
14,0	78,4	56,9	280 500 *
16,0	76,2	56,4	241 100 *
18,0	74,1	55,8	210 800 *
20,0	71,9	55,1	183 400
22,0	69,6	54,4	159 900
24,0	67,4	53,5	141 300
26,0	65,0	52,6	126 100
28,0	62,7	51,5	113 500
30,0	60,3	50,4	102 800
32,0	57,8	49,1	93 700
34,0	55,3	47,7	85 800
36,0	52,6	46,2	78 900
38,0	49,9	44,5	72 800
40,0	47,0	42,6	67 300
42,0	44,0	40,5	62 500
44,0	40,8	38,2	58 100
46,0	37,4	35,6	54 200
48,0	33,7	32,7	50 600
50,0	29,5	29,2	47 200
52,0	24,7	25,0	44 200
54,0	18,6	19,5	41 300

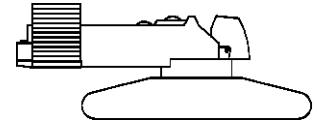
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
61,0 m Boom			
11,0	82,5	63,7	342 000 *
12,0	81,5	63,5	332 400 *
14,0	79,6	63,2	280 500 *
16,0	77,6	62,7	241 100 *
18,0	75,7	62,2	210 800 *
20,0	73,7	61,6	183 800
22,0	71,8	60,9	160 200
24,0	69,7	60,1	141 600
26,0	67,7	59,3	126 400
28,0	65,6	58,4	113 700
30,0	63,5	57,4	103 000
32,0	61,4	56,3	93 900
34,0	59,2	55,1	86 000
36,0	56,9	53,8	79 000
38,0	54,6	52,3	72 900
40,0	52,3	50,8	67 500
42,0	49,8	49,1	62 700
44,0	47,2	47,2	58 300
46,0	44,5	45,2	54 300
48,0	41,7	42,9	50 700
50,0	38,7	40,5	47 400
52,0	35,5	37,7	44 400
54,0	32,0	34,5	41 600
56,0	28,1	30,9	39 000
58,0	23,5	26,5	36 600

Liftcrane Boom Capacities

18000

Boom No. 55-79A with 30,5 m Mast No. 56
206 840 kg Crane Counterweight
105 230 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	281 000 *
16,0	78,8	68,9	240 300 *
18,0	77,0	68,5	210 000 *
20,0	75,3	67,9	183 500
22,0	73,5	67,3	159 800
24,0	71,7	66,7	141 100
26,0	69,9	65,9	125 900
28,0	68,0	65,1	113 200
30,0	66,1	64,2	102 500
32,0	64,2	63,2	93 400
34,0	62,3	62,2	85 400
36,0	60,3	61,0	78 500
38,0	58,3	59,7	72 400
40,0	56,2	58,4	67 000
42,0	54,1	56,9	62 100
44,0	52,0	55,4	57 700
46,0	49,7	53,7	53 800
48,0	47,4	51,8	50 200
50,0	45,0	49,8	46 900
52,0	42,4	47,6	43 900
54,0	39,8	45,2	41 100
56,0	36,9	42,6	38 500
58,0	33,9	39,6	36 100
60,0	30,6	36,3	33 900
62,0	26,9	32,5	31 800
64,0	22,6	27,9	29 800

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	268 000 *
16,0	79,7	75,2	235 800 *
18,0	78,1	74,7	209 600 *
20,0	76,5	74,3	183 500
22,0	74,9	73,7	159 800
24,0	73,3	73,1	141 000
26,0	71,6	72,4	125 800
28,0	69,9	71,7	113 100
30,0	68,2	70,9	102 400
32,0	66,5	70,0	93 200
34,0	64,8	69,0	85 300
36,0	63,0	68,0	78 300
38,0	61,2	66,9	72 200
40,0	59,4	65,7	66 800
42,0	57,6	64,4	61 900
44,0	55,7	63,0	57 600
46,0	53,7	61,6	53 600
48,0	51,7	60,0	50 000
50,0	49,7	58,3	46 700
52,0	47,5	56,4	43 700
54,0	45,3	54,5	40 900
56,0	43,0	52,3	38 400
58,0	40,6	50,0	36 000
60,0	38,1	47,4	33 800
62,0	35,4	44,6	31 700
64,0	32,5	41,5	29 800
66,0	29,4	38,0	27 900
68,0	25,8	34,0	26 200
70,0	21,8	29,2	24 600

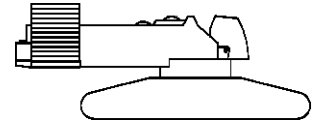
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
79,2 m Boom			
13,7	82,2	81,8	255 100 *
14,0	82,0	81,7	250 700 *
16,0	80,5	81,4	220 800 *
18,0	79,1	81,0	198 200 *
20,0	77,6	80,5	179 900
22,0	76,1	80,0	159 700
24,0	74,6	79,5	140 400
26,0	73,1	78,8	125 100
28,0	71,5	78,2	112 400
30,0	70,0	77,4	101 700
32,0	68,4	76,6	92 500
34,0	66,9	75,8	84 600
36,0	65,3	74,8	77 600
38,0	63,7	73,8	71 500
40,0	62,0	72,8	66 100
42,0	60,4	71,6	61 200
44,0	58,7	70,4	56 800
46,0	56,9	69,1	52 900
48,0	55,2	67,7	49 300
50,0	53,4	66,2	46 000
52,0	51,5	64,6	43 000
54,0	49,6	62,9	40 200
56,0	47,6	61,0	37 600
58,0	45,6	59,1	35 300
60,0	43,5	57,0	33 000
62,0	41,3	54,7	31 000
64,0	39,0	52,2	29 000
66,0	36,6	49,6	27 300
68,0	34,1	46,6	25 600
70,0	31,3	43,4	23 900
72,0	28,3	39,7	22 400
74,0	24,9	35,5	21 000
76,0	21,1	30,6	19 600

Liftcrane Boom Capacities

18000

Boom No. 55-79A with 30,5 m Mast No. 56
206 840 kg Crane Counterweight
105 230 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	186 800 *
20,0	78,5	86,8	169 700 *
22,0	77,1	86,3	155 600 *
24,0	75,7	85,8	140 700
26,0	74,3	85,2	124 800
28,0	72,9	84,6	112 100
30,0	71,5	83,9	101 300
32,0	70,1	83,2	92 200
34,0	68,6	82,4	84 200
36,0	67,2	81,5	77 300
38,0	65,7	80,6	71 100
40,0	64,2	79,7	65 700
42,0	62,7	78,6	60 800
44,0	61,1	77,5	56 500
46,0	59,6	76,3	52 500
48,0	58,0	75,1	48 900
50,0	56,4	73,7	45 600
52,0	54,7	72,3	42 600
54,0	53,0	70,8	39 800
56,0	51,3	69,2	37 300
58,0	49,6	67,5	34 900
60,0	47,7	65,6	32 700
62,0	45,9	63,7	30 600
64,0	43,9	61,6	28 700
66,0	41,9	59,4	26 900
68,0	39,8	57,0	25 200
70,0	37,6	54,4	23 600
72,0	35,3	51,6	22 100
74,0	32,9	48,5	20 600
76,0	30,2	45,2	19 300
78,0	27,4	41,4	18 000
80,0	24,1	37,0	16 800
82,0	20,5	31,9	15 600

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	159 900 *
22,0	78,0	92,6	146 400 *
24,0	76,7	92,1	135 200 *
26,0	75,4	91,6	124 200
28,0	74,1	91,0	111 300
30,0	72,8	90,4	100 600
32,0	71,5	89,7	91 400
34,0	70,1	88,9	83 400
36,0	68,8	88,2	76 500
38,0	67,4	87,3	70 300
40,0	66,0	86,4	64 900
42,0	64,6	85,5	60 000
44,0	63,2	84,4	55 700
46,0	61,8	83,4	51 700
48,0	60,4	82,2	48 100
50,0	58,9	81,0	44 800
52,0	57,4	79,7	41 700
54,0	55,9	78,4	39 000
56,0	54,4	76,9	36 400
58,0	52,8	75,4	34 100
60,0	51,2	73,8	31 800
62,0	49,5	72,1	29 800
64,0	47,8	70,2	27 900
66,0	46,1	68,3	26 000
68,0	44,3	66,3	24 300
70,0	42,4	64,1	22 800
72,0	40,5	61,7	21 300
74,0	38,5	59,2	19 800
76,0	36,4	56,5	18 500
78,0	34,2	53,6	17 200
80,0	31,8	50,4	16 000
82,0	29,3	46,9	14 900
84,0	26,5	43,0	13 700
86,0	23,4	38,5	12 700
88,0	19,9	33,2	11 700

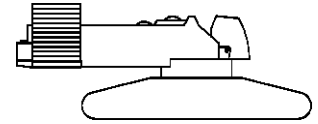
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
97,5 m Boom			
15,2	82,8	100,0	180 300 *
16,0	82,3	99,9	177 400 *
18,0	81,1	99,6	167 300 *
20,0	79,9	99,2	151 700 *
22,0	78,7	98,8	138 700 *
24,0	77,5	98,4	127 800 *
26,0	76,3	97,9	118 700 *
28,0	75,1	97,3	110 200
30,0	73,9	96,8	100 300
32,0	72,7	96,1	90 900
34,0	71,4	95,4	82 900
36,0	70,2	94,7	76 000
38,0	68,9	93,9	69 800
40,0	67,6	93,1	64 400
42,0	66,3	92,2	59 500
44,0	65,0	91,3	55 100
46,0	63,7	90,3	51 100
48,0	62,4	89,2	47 500
50,0	61,1	88,1	44 200
52,0	59,7	86,9	41 200
54,0	58,3	85,7	38 400
56,0	56,9	84,4	35 900
58,0	55,5	83,0	33 500
60,0	54,0	81,5	31 300
62,0	52,5	80,0	29 200
64,0	51,0	78,4	27 300
66,0	49,5	76,7	25 500
68,0	47,9	74,8	23 800
70,0	46,3	72,9	22 200
72,0	44,6	70,9	20 700
74,0	42,9	68,7	19 300
76,0	41,1	66,5	18 000
78,0	39,2	64,0	16 700
80,0	37,3	61,4	15 500
82,0	35,3	58,6	14 400
84,0	33,1	55,5	13 300
86,0	30,9	52,2	12 200
88,0	28,4	48,6	11 200
90,0	25,8	44,5	10 300
92,0	22,8	39,9	9 300
94,0	19,4	34,5	8 400
96,0	15,3	27,7	7 600

Liftcrane Boom Capacities

18000

Boom No. 55-79A with 30,5 m Mast No. 56
206 840 kg Crane Counterweight
105 230 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	132 000 *
24,0	78,3	104,6	120 800 *
26,0	77,2	104,2	111 900 *
28,0	76,0	103,7	104 200 *
30,0	74,9	103,1	97 500 *
32,0	73,7	102,5	90 100
34,0	72,6	101,9	82 100
36,0	71,4	101,2	75 100
38,0	70,2	100,5	69 000
40,0	69,0	99,7	63 500
42,0	67,8	98,9	58 600
44,0	66,6	98,0	54 200
46,0	65,4	97,1	50 200
48,0	64,2	96,1	46 600
50,0	62,9	95,1	43 300
52,0	61,7	94,0	40 300
54,0	60,4	92,8	37 500
56,0	59,1	91,6	35 000
58,0	57,8	90,4	32 600
60,0	56,5	89,0	30 400
62,0	55,1	87,6	28 300
64,0	53,7	86,2	26 400
66,0	52,3	84,6	24 600
68,0	50,9	83,0	22 900
70,0	49,5	81,3	21 300
72,0	48,0	79,4	19 800
74,0	46,4	77,6	18 400
76,0	44,9	75,5	17 100
78,0	43,3	73,4	15 800
80,0	41,6	71,2	14 600
82,0	39,9	68,8	13 400
84,0	38,1	66,2	12 400
86,0	36,2	63,5	11 300
88,0	34,3	60,6	10 300
90,0	32,2	57,4	9 400
92,0	30,0	54,0	8 500
94,0	27,7	50,3	7 600
96,0	25,1	46,1	6 800

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	106 000 *
28,0	76,8	110,0	98 500 *
30,0	75,7	109,4	92 100 *
32,0	74,6	108,9	86 300 *
34,0	73,6	108,3	81 000
36,0	72,5	107,6	74 400
38,0	71,4	107,0	68 200
40,0	70,2	106,2	62 700
42,0	69,1	105,5	57 900
44,0	68,0	104,6	53 500
46,0	66,9	103,8	49 500
48,0	65,7	102,9	45 900
50,0	64,6	101,9	42 600
52,0	63,4	100,9	39 600
54,0	62,2	99,8	36 800
56,0	61,0	98,7	34 200
58,0	59,8	97,6	31 800
60,0	58,6	96,3	29 600
62,0	57,3	95,0	27 600
64,0	56,1	93,7	25 600
66,0	54,8	92,3	23 800
68,0	53,5	90,8	22 100
70,0	52,2	89,2	20 500
72,0	50,8	87,6	19 000
74,0	49,4	85,9	17 600
76,0	48,0	84,1	16 300
78,0	46,6	82,2	15 000
80,0	45,1	80,2	13 800
82,0	43,6	78,1	12 700
84,0	42,0	75,8	11 600
86,0	40,4	73,5	10 600
88,0	38,8	71,0	9 600
90,0	37,0	68,4	8 700
92,0	35,2	65,6	7 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
115,8 m Boom			
18,3	82,4	118,1	116 700 *
20,0	81,5	117,8	116 000 *
22,0	80,5	117,5	115 000 *
24,0	79,5	117,1	109 500 *
26,0	78,5	116,7	100 300 *
28,0	77,5	116,2	93 100 *
30,0	76,5	115,7	86 800 *
32,0	75,5	115,2	81 200 *
34,0	74,4	114,7	76 300 *
36,0	73,4	114,0	71 900 *
38,0	72,4	113,4	67 300
40,0	71,3	112,7	61 800
42,0	70,3	112,0	56 900
44,0	69,2	111,2	52 500
46,0	68,1	110,4	48 500
48,0	67,1	109,6	44 900
50,0	66,0	108,7	41 600
52,0	64,9	107,7	38 600
54,0	63,8	106,7	35 800
56,0	62,7	105,7	33 200
58,0	61,5	104,6	30 900
60,0	60,4	103,4	28 600
62,0	59,3	102,2	26 600
64,0	58,1	101,0	24 700
66,0	56,9	99,7	22 900
68,0	55,7	98,3	21 200
70,0	54,5	96,9	19 600
72,0	53,3	95,4	18 100
74,0	52,0	93,8	16 700
76,0	50,7	92,2	15 300
78,0	49,4	90,5	14 100
80,0	48,1	88,7	12 900
82,0	46,7	86,8	11 700
84,0	45,3	84,8	10 700
86,0	43,9	82,7	9 600
88,0	42,4	80,5	8 600
90,0	40,9	78,2	7 700