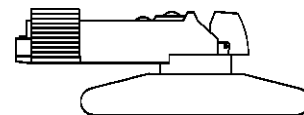


Liftcrane Boom Capacities

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

Maximum Operating Wind Speeds
14 m/s with 36,6 m thru 91,4 m Boom
10 m/s with 97,5 m thru 103,6 m Boom



LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and are calculated to comply with EN 13000, ISO 4305 and include factors based on a 4,0 degree tipping angle. 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. 8652-A or 8652-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 Operator's Manual for operating guidelines.

WIND CONDITIONS: Machine may be operated in winds stated in Maximum Operating Wind Speed table provided crane operator judgment is used to allow for wind effect on lifted load and other considerations noted on capacity chart are followed. Wind will have a considerable effect on load with a large "sail area" and must be compensated for accordingly by reducing load ratings, reducing operating speeds, or by a combination of both. Wind speed to be measured at boom point elevation. **Operation is not permitted when wind is above conditions stated in Maximum Operating Wind Speed table.** Park crane (upper inline with crawlers) with load block on ground or secured and position boom at 70 degrees. Lower boom onto blocking at ground level and haul in boom hoist wire rope just wire enough to tension mast straps when wind is above 22 m/s. Lower mast to ground when wind is above 34 m/s.

MACHINE TRAVEL: Machine to travel on a firm, level [up to 1 percent (0,5 degrees) grade] and uniformly supporting surface. *Travel with 100 percent of rated load prohibited.* Travel restricted to 90 percent of rated capacity with speed not to exceed 0,4 m/s. Boom must be within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8653-A** for travel on grade.

MAX PERMISSIBLE SLEWING SPEED: Slew operation with working load shall not exceed 0,4 m/s as measured at the operating radius. The amount of time to brake or start slewing a working load shall not be less than 2,5 seconds.

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.

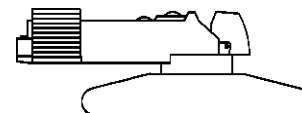
MACHINE EQUIPMENT: Machine equipped with 11 811 mm crawlers, 1 524 mm treads, 9,1 m live mast, 30,5 m mast, 16 part boom hoist reeving, boom support straps, 174 180 kg crane counterweight and 65 320 kg carbody counterweight.

Maximum Boom Length Lifted Unassisted	
Over End of Blocked Crawlers	Over Side of Crawlers
Boom Length	Boom Length
103,6 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.

Liftcrane Boom Capacities

18000
Boom No. 55-79A with 30,5 m Mast No. 56
174 180 kg Crane Counterweight
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14 m/s with 36,6 m thru 91,4 m Boom
10 m/s with 97,5 m thru 103,6 m Boom


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.		

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36,6 m (120 Ft.) Boom			
7,9	82,2	39,5	452 100 *
8,0	82,1	39,5	452 100 *
10,0	78,9	39,1	389 400 *
12,0	75,7	38,5	320 100 *
14,0	72,4	37,9	265 600
16,0	69,0	37,1	225 700
18,0	65,5	36,2	194 900
20,0	62,0	35,1	167 500
22,0	58,3	33,8	145 900
24,0	54,4	32,3	128 700
26,0	50,3	30,7	114 700
28,0	46,0	28,7	103 000
30,0	41,2	26,5	93 100
32,0	35,9	23,7	84 600
34,0	29,8	20,4	77 200
36,0	21,9	15,8	70 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42,7 m (140 Ft.) Boom			
8,5	82,5	45,6	452 100 *
10,0	80,5	45,3	381 000
12,0	77,8	44,8	306 300
14,0	75,0	44,3	254 800
16,0	72,2	43,6	217 300
18,0	69,3	42,8	188 800
20,0	66,3	42,0	166 100
22,0	63,3	40,9	145 500
24,0	60,2	39,8	128 100
26,0	57,0	38,5	114 100
28,0	53,6	37,0	102 400
30,0	50,1	35,3	92 500
32,0	46,4	33,4	84 100
34,0	42,5	31,2	76 700
36,0	38,1	28,6	70 300
38,0	33,3	25,6	64 600
40,0	27,7	22,0	59 500
42,0	20,5	17,0	54 900

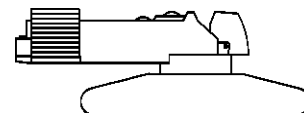
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48,8 m (160 Ft.) Boom			
9,1	82,7	51,7	400 400
10,0	81,7	51,5	360 900
12,0	79,3	51,1	292 300
14,0	76,9	50,6	244 300
16,0	74,5	50,0	209 000
18,0	72,0	49,4	181 900
20,0	69,5	48,6	160 400
22,0	66,9	47,7	142 900
24,0	64,3	46,8	127 300
26,0	61,6	45,7	113 100
28,0	58,9	44,4	101 400
30,0	56,0	43,1	91 400
32,0	53,1	41,6	83 000
34,0	50,0	39,9	75 600
36,0	46,8	38,0	69 300
38,0	43,3	35,9	63 600
40,0	39,7	33,5	58 500
42,0	35,7	30,7	54 000
44,0	31,2	27,5	49 900
46,0	26,0	23,5	46 200
48,0	19,4	18,3	42 700

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

Maximum Operating Wind Speeds
14 m/s with 36,6 m thru 91,4 m Boom
10 m/s with 97,5 m thru 103,6 m Boom



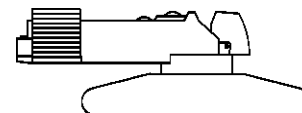
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54,9 m (180 Ft.) Boom			
9,8	82,9	57,7	353 600
10,0	82,6	57,7	344 300
12,0	80,5	57,3	280 500
14,0	78,4	56,9	235 600
16,0	76,2	56,4	202 200
18,0	74,1	55,8	176 400
20,0	71,9	55,1	155 800
22,0	69,6	54,4	139 000
24,0	67,4	53,5	125 000
26,0	65,0	52,6	112 900
28,0	62,7	51,5	101 200
30,0	60,3	50,4	91 300
32,0	57,8	49,1	82 800
34,0	55,3	47,7	75 400
36,0	52,6	46,2	69 000
38,0	49,9	44,5	63 300
40,0	47,0	42,6	58 300
42,0	44,0	40,5	53 700
44,0	40,8	38,2	49 700
46,0	37,4	35,6	45 900
48,0	33,7	32,7	42 600
50,0	29,5	29,2	39 500
52,0	24,7	25,0	36 600
54,0	18,6	19,5	34 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
61,0 m (200 Ft.) Boom			
11,0	82,5	63,7	297 400
12,0	81,5	63,5	269 900
14,0	79,6	63,2	227 800
16,0	77,6	62,7	196 200
18,0	75,7	62,2	171 600
20,0	73,7	61,6	151 900
22,0	71,8	60,9	135 700
24,0	69,7	60,1	122 300
26,0	67,7	59,3	110 900
28,0	65,6	58,4	101 000
30,0	63,5	57,4	91 600
32,0	61,4	56,3	83 000
34,0	59,2	55,1	75 600
36,0	56,9	53,8	69 200
38,0	54,6	52,3	63 500
40,0	52,3	50,8	58 500
42,0	49,8	49,1	53 900
44,0	47,2	47,2	49 900
46,0	44,5	45,2	46 200
48,0	41,7	42,9	42 800
50,0	38,7	40,5	39 700
52,0	35,5	37,7	36 900
54,0	32,0	34,5	34 300
56,0	28,1	30,9	31 900
58,0	23,5	26,5	29 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
67,1 m (220 Ft.) Boom			
11,6	82,6	69,8	269 100
12,0	82,3	69,7	259 300
14,0	80,5	69,4	219 600
16,0	78,8	68,9	189 700
18,0	77,0	68,5	166 300
20,0	75,3	67,9	147 400
22,0	73,5	67,3	131 800
24,0	71,7	66,7	118 800
26,0	69,9	65,9	107 700
28,0	68,0	65,1	98 200
30,0	66,1	64,2	89 900
32,0	64,2	63,2	82 400
34,0	62,3	62,2	75 000
36,0	60,3	61,0	68 600
38,0	58,3	59,7	62 900
40,0	56,2	58,4	57 800
42,0	54,1	56,9	53 300
44,0	52,0	55,4	49 300
46,0	49,7	53,7	45 500
48,0	47,4	51,8	42 200
50,0	45,0	49,8	39 100
52,0	42,4	47,6	36 300
54,0	39,8	45,2	33 700
56,0	36,9	42,6	31 300
58,0	33,9	39,6	29 100
60,0	30,6	36,3	27 000
62,0	26,9	32,5	25 000
64,0	22,6	27,9	23 200

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
Maximum Operating Wind Speeds
14 m/s with 36,6 m thru 91,4 m Boom
10 m/s with 97,5 m thru 103,6 m Boom


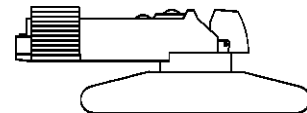
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
73,2 m (240 Ft.) Boom			
12,2	82,8	75,8	245 500
14,0	81,3	75,6	212 300
16,0	79,7	75,2	183 900
18,0	78,1	74,7	161 500
20,0	76,5	74,3	143 400
22,0	74,9	73,7	128 400
24,0	73,3	73,1	115 900
26,0	71,6	72,4	105 200
28,0	69,9	71,7	95 900
30,0	68,2	70,9	87 900
32,0	66,5	70,0	80 800
34,0	64,8	69,0	74 500
36,0	63,0	68,0	68 400
38,0	61,2	66,9	62 700
40,0	59,4	65,7	57 600
42,0	57,6	64,4	53 100
44,0	55,7	63,0	49 000
46,0	53,7	61,6	45 400
48,0	51,7	60,0	42 000
50,0	49,7	58,3	38 900
52,0	47,5	56,4	36 100
54,0	45,3	54,5	33 500
56,0	43,0	52,3	31 100
58,0	40,6	50,0	28 900
60,0	38,1	47,4	26 800
62,0	35,4	44,6	24 900
64,0	32,5	41,5	23 100
66,0	29,4	38,0	21 400
68,0	25,8	34,0	19 800
70,0	21,8	29,2	18 200

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
79,2 m (260 Ft.) Boom			
13,7	82,2	81,8	209 300
14,0	82,0	81,7	205 200
16,0	80,5	81,4	177 800
18,0	79,1	81,0	156 400
20,0	77,6	80,5	139 000
22,0	76,1	80,0	124 600
24,0	74,6	79,5	112 400
26,0	73,1	78,8	102 000
28,0	71,5	78,2	93 000
30,0	70,0	77,4	85 200
32,0	68,4	76,6	78 300
34,0	66,9	75,8	72 200
36,0	65,3	74,8	66 700
38,0	63,7	73,8	61 800
40,0	62,0	72,8	56 800
42,0	60,4	71,6	52 300
44,0	58,7	70,4	48 200
46,0	56,9	69,1	44 500
48,0	55,2	67,7	41 200
50,0	53,4	66,2	38 100
52,0	51,5	64,6	35 300
54,0	49,6	62,9	32 700
56,0	47,6	61,0	30 300
58,0	45,6	59,1	28 100
60,0	43,5	57,0	26 000
62,0	41,3	54,7	24 100
64,0	39,0	52,2	22 300
66,0	36,6	49,6	20 600
68,0	34,1	46,6	19 000
70,0	31,3	43,4	17 500
72,0	28,3	39,7	16 100
74,0	24,9	35,5	14 700
76,0	21,1	30,6	13 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
85,3 m (280 Ft.) Boom			
13,7	82,8	87,9	202 200
14,0	82,6	87,9	198 300
16,0	81,2	87,6	172 300
18,0	79,9	87,2	151 900
20,0	78,5	86,8	135 100
22,0	77,1	86,3	121 200
24,0	75,7	85,8	109 400
26,0	74,3	85,2	99 400
28,0	72,9	84,6	90 700
30,0	71,5	83,9	83 000
32,0	70,1	83,2	76 300
34,0	68,6	82,4	70 300
36,0	67,2	81,5	64 900
38,0	65,7	80,6	60 100
40,0	64,2	79,7	55 800
42,0	62,7	78,6	51 800
44,0	61,1	77,5	47 800
46,0	59,6	76,3	44 100
48,0	58,0	75,1	40 800
50,0	56,4	73,7	37 700
52,0	54,7	72,3	34 900
54,0	53,0	70,8	32 300
56,0	51,3	69,2	29 900
58,0	49,6	67,5	27 700
60,0	47,7	65,6	25 600
62,0	45,9	63,7	23 700
64,0	43,9	61,6	21 900
66,0	41,9	59,4	20 200
68,0	39,8	57,0	18 600
70,0	37,6	54,4	17 100
72,0	35,3	51,6	15 700
74,0	32,9	48,5	14 400
76,0	30,2	45,2	13 100
78,0	27,4	41,4	11 900
80,0	24,1	37,0	10 700
82,0	20,5	31,9	9 600

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
Maximum Operating Wind Speeds
14 m/s with 36,6 m thru 91,4 m Boom
10 m/s with 97,5 m thru 103,6 m Boom


Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
91,4 m (300 Ft.) Boom			
15,2	82,3	93,9	175 300
16,0	81,8	93,8	167 000
18,0	80,5	93,4	147 000
20,0	79,3	93,0	130 900
22,0	78,0	92,6	117 500
24,0	76,7	92,1	106 100
26,0	75,4	91,6	96 300
28,0	74,1	91,0	87 800
30,0	72,8	90,4	80 400
32,0	71,5	89,7	73 800
34,0	70,1	88,9	67 900
36,0	68,8	88,2	62 700
38,0	67,4	87,3	58 000
40,0	66,0	86,4	53 700
42,0	64,6	85,5	49 800
44,0	63,2	84,4	46 200
46,0	61,8	83,4	43 000
48,0	60,4	82,2	39 800
50,0	58,9	81,0	36 700
52,0	57,4	79,7	33 900
54,0	55,9	78,4	31 300
56,0	54,4	76,9	28 900
58,0	52,8	75,4	26 700
60,0	51,2	73,8	24 700
62,0	49,5	72,1	22 700
64,0	47,8	70,2	21 000
66,0	46,1	68,3	19 300
68,0	44,3	66,3	17 700
70,0	42,4	64,1	16 200
72,0	40,5	61,7	14 800
74,0	38,5	59,2	13 500
76,0	36,4	56,5	12 200
78,0	34,2	53,6	11 000
80,0	31,8	50,4	9 900
82,0	29,3	46,9	8 800
84,0	26,5	43,0	7 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
97,5 m (320 Ft.) Boom			
15,2	82,8	100,0	169 700
16,0	82,3	99,9	161 800
18,0	81,1	99,6	142 600
20,0	79,9	99,2	127 200
22,0	78,7	98,8	114 200
24,0	77,5	98,4	103 100
26,0	76,3	97,9	93 600
28,0	75,1	97,3	85 300
30,0	73,9	96,8	78 100
32,0	72,7	96,1	71 700
34,0	71,4	95,4	66 000
36,0	70,2	94,7	60 900
38,0	68,9	93,9	56 200
40,0	67,6	93,1	52 000
42,0	66,3	92,2	48 200
44,0	65,0	91,3	44 700
46,0	63,7	90,3	41 500
48,0	62,4	89,2	38 500
50,0	61,1	88,1	35 800
52,0	59,7	86,9	33 300
54,0	58,3	85,7	30 700
56,0	56,9	84,4	28 300
58,0	55,5	83,0	26 100
60,0	54,0	81,5	24 100
62,0	52,5	80,0	22 100
64,0	51,0	78,4	20 400
66,0	49,5	76,7	18 700
68,0	47,9	74,8	17 100
70,0	46,3	72,9	15 600
72,0	44,6	70,9	14 200
74,0	42,9	68,7	12 900
76,0	41,1	66,5	11 600
78,0	39,2	64,0	10 400
80,0	37,3	61,4	9 300
82,0	35,3	58,6	8 200

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
103,6 m (340 Ft.) Boom			
16,8	82,4	106,0	142 200 *
18,0	81,7	105,8	136 900
20,0	80,5	105,4	123 100
22,0	79,4	105,1	110 500
24,0	78,3	104,6	99 800
26,0	77,2	104,2	90 600
28,0	76,0	103,7	82 500
30,0	74,9	103,1	75 500
32,0	73,7	102,5	69 200
34,0	72,6	101,9	63 600
36,0	71,4	101,2	58 600
38,0	70,2	100,5	54 100
40,0	69,0	99,7	50 000
42,0	67,8	98,9	46 200
44,0	66,6	98,0	42 800
46,0	65,4	97,1	39 600
48,0	64,2	96,1	36 700
50,0	62,9	95,1	34 000
52,0	61,7	94,0	31 500
54,0	60,4	92,8	29 100
56,0	59,1	91,6	27 000
58,0	57,8	90,4	24 900
60,0	56,5	89,0	23 000
62,0	55,1	87,6	21 100
64,0	53,7	86,2	19 300
66,0	52,3	84,6	17 700
68,0	50,9	83,0	16 100
70,0	49,5	81,3	14 600
72,0	48,0	79,4	13 200
74,0	46,4	77,6	11 900
76,0	44,9	75,5	10 600
78,0	43,3	73,4	9 400
80,0	41,6	71,2	8 300
82,0	39,9	68,8	7 200