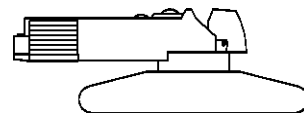


Liftcrane Boom Capacities

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



Maximum Operating Wind Speed
14 m/s

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: Slewing 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.

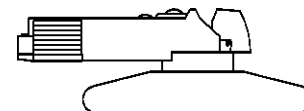
MACHINE EQUIPMENT: Machine equipped with 11 811 mm crawlers, 1 524 mm treads, 9,1 m live mast, 30,5 m mast, 16 part boom hoist reeving, boom support straps, 125 190 kg crane counterweight and 25 400 kg carbody counterweight.

Maximum Boom Length Lifted Unassisted	
Over End of Blocked Crawlers	Over Side of Crawlers
Boom Length	Boom Length
(a) 91,4 m	79,2 m
Load block, hook and weight ball on ground at start. (a) When boom catwalks are attached, machine must be equipped with optional upperworks jacking cylinders.	

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
125 190 kg Crane Counterweight
25 400 kg Carbody Counterweight
360 Degree Rating

Maximum Operating Wind Speed
14 m/s

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.		

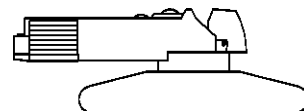
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36,6 m (120 Ft.) Boom			
7,9	82,2	39,5	426 200
8,0	82,1	39,5	421 300
10,0	78,9	39,1	315 300
12,0	75,7	38,5	250 300
14,0	72,4	37,9	206 300
16,0	69,0	37,1	174 500
18,0	65,5	36,2	150 600
20,0	62,0	35,1	129 300
22,0	58,3	33,8	112 000
24,0	54,4	32,3	98 300
26,0	50,3	30,7	87 100
28,0	46,0	28,7	77 700
30,0	41,2	26,5	69 800
32,0	35,9	23,7	63 000
34,0	29,8	20,4	57 100
36,0	21,9	15,8	51 800

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	362 200
10,0	80,5	45,3	298 000
12,0	77,8	44,8	238 600
14,0	75,0	44,3	197 600
16,0	72,2	43,6	167 700
18,0	69,3	42,8	145 000
20,0	66,3	42,0	127 100
22,0	63,3	40,9	111 700
24,0	60,2	39,8	97 700
26,0	57,0	38,5	86 500
28,0	53,6	37,0	77 100
30,0	50,1	35,3	69 200
32,0	46,4	33,4	62 500
34,0	42,5	31,2	56 600
36,0	38,1	28,6	51 400
38,0	33,3	25,6	46 800
40,0	27,7	22,0	42 800
42,0	20,5	17,0	39 000

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	313 400
10,0	81,7	51,5	282 000
12,0	79,3	51,1	227 300
14,0	76,9	50,6	189 100
16,0	74,5	50,0	160 900
18,0	72,0	49,4	139 300
20,0	69,5	48,6	122 200
22,0	66,9	47,7	108 200
24,0	64,3	46,8	96 500
26,0	61,6	45,7	85 500
28,0	58,9	44,4	76 100
30,0	56,0	43,1	68 200
32,0	53,1	41,6	61 400
34,0	50,0	39,9	55 500
36,0	46,8	38,0	50 400
38,0	43,3	35,9	45 800
40,0	39,7	33,5	41 800
42,0	35,7	30,7	38 100
44,0	31,2	27,5	34 900
46,0	26,0	23,5	31 800
48,0	19,4	18,3	29 100

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

Maximum Operating Wind Speed
14 m/s

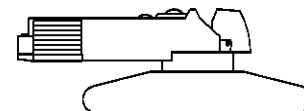
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54,9 m (180 Ft.) Boom			
9,8	82,9	57,7	276 200
10,0	82,6	57,7	268 800
12,0	80,5	57,3	217 900
14,0	78,4	56,9	182 100
16,0	76,2	56,4	155 500
18,0	74,1	55,8	134 900
20,0	71,9	55,1	118 500
22,0	69,6	54,4	105 100
24,0	67,4	53,5	93 900
26,0	65,0	52,6	84 500
28,0	62,7	51,5	76 000
30,0	60,3	50,4	68 000
32,0	57,8	49,1	61 200
34,0	55,3	47,7	55 300
36,0	52,6	46,2	50 100
38,0	49,9	44,5	45 600
40,0	47,0	42,6	41 500
42,0	44,0	40,5	37 900
44,0	40,8	38,2	34 600
46,0	37,4	35,6	31 700
48,0	33,7	32,7	28 900
50,0	29,5	29,2	26 400
52,0	24,7	25,0	24 100
54,0	18,6	19,5	21 900

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	231 500
12,0	81,5	63,5	209 500
14,0	79,6	63,2	176 000
16,0	77,6	62,7	150 800
18,0	75,7	62,2	131 200
20,0	73,7	61,6	115 400
22,0	71,8	60,9	102 600
24,0	69,7	60,1	91 800
26,0	67,7	59,3	82 700
28,0	65,6	58,4	74 900
30,0	63,5	57,4	68 000
32,0	61,4	56,3	61 400
34,0	59,2	55,1	55 500
36,0	56,9	53,8	50 300
38,0	54,6	52,3	45 700
40,0	52,3	50,8	41 700
42,0	49,8	49,1	38 100
44,0	47,2	47,2	34 800
46,0	44,5	45,2	31 800
48,0	41,7	42,9	29 200
50,0	38,7	40,5	26 700
52,0	35,5	37,7	24 400
54,0	32,0	34,5	22 300
56,0	28,1	30,9	20 300
58,0	23,5	26,5	18 500

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	208 900
12,0	82,3	69,7	201 100
14,0	80,5	69,4	169 400
16,0	78,8	68,9	145 500
18,0	77,0	68,5	126 800
20,0	75,3	67,9	111 700
22,0	73,5	67,3	99 300
24,0	71,7	66,7	88 900
26,0	69,9	65,9	80 000
28,0	68,0	65,1	72 500
30,0	66,1	64,2	65 800
32,0	64,2	63,2	60 000
34,0	62,3	62,2	54 800
36,0	60,3	61,0	49 700
38,0	58,3	59,7	45 200
40,0	56,2	58,4	41 100
42,0	54,1	56,9	37 500
44,0	52,0	55,4	34 200
46,0	49,7	53,7	31 300
48,0	47,4	51,8	28 500
50,0	45,0	49,8	26 100
52,0	42,4	47,6	23 800
54,0	39,8	45,2	21 700
56,0	36,9	42,6	19 800
58,0	33,9	39,6	18 000
60,0	30,6	36,3	16 300
62,0	26,9	32,5	14 700
64,0	22,6	27,9	13 200

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

Maximum Operating Wind Speed
14 m/s

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	190 000
14,0	81,3	75,6	163 600
16,0	79,7	75,2	140 800
18,0	78,1	74,7	123 000
20,0	76,5	74,3	108 500
22,0	74,9	73,7	96 500
24,0	73,3	73,1	86 500
26,0	71,6	72,4	78 000
28,0	69,9	71,7	70 600
30,0	68,2	70,9	64 100
32,0	66,5	70,0	58 500
34,0	64,8	69,0	53 500
36,0	63,0	68,0	49 000
38,0	61,2	66,9	45 000
40,0	59,4	65,7	40 900
42,0	57,6	64,4	37 300
44,0	55,7	63,0	34 000
46,0	53,7	61,6	31 000
48,0	51,7	60,0	28 400
50,0	49,7	58,3	25 900
52,0	47,5	56,4	23 600
54,0	45,3	54,5	21 500
56,0	43,0	52,3	19 600
58,0	40,6	50,0	17 800
60,0	38,1	47,4	16 100
62,0	35,4	44,6	14 600
64,0	32,5	41,5	13 100
66,0	29,4	38,0	11 700
68,0	25,8	34,0	10 400
70,0	21,8	29,2	9 100

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	161 000
14,0	82,0	81,7	157 700
16,0	80,5	81,4	135 800
18,0	79,1	81,0	118 700
20,0	77,6	80,5	104 800
22,0	76,1	80,0	93 300
24,0	74,6	79,5	83 600
26,0	73,1	78,8	75 300
28,0	71,5	78,2	68 100
30,0	70,0	77,4	61 800
32,0	68,4	76,6	56 300
34,0	66,9	75,8	51 400
36,0	65,3	74,8	47 000
38,0	63,7	73,8	43 100
40,0	62,0	72,8	39 500
42,0	60,4	71,6	36 300
44,0	58,7	70,4	33 200
46,0	56,9	69,1	30 200
48,0	55,2	67,7	27 500
50,0	53,4	66,2	25 000
52,0	51,5	64,6	22 800
54,0	49,6	62,9	20 700
56,0	47,6	61,0	18 800
58,0	45,6	59,1	17 000
60,0	43,5	57,0	15 300
62,0	41,3	54,7	13 700
64,0	39,0	52,2	12 300
66,0	36,6	49,6	10 900
68,0	34,1	46,6	9 700
70,0	31,3	43,4	8 400

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	155 300
14,0	82,6	87,9	152 200
16,0	81,2	87,6	131 400
18,0	79,9	87,2	115 000
20,0	78,5	86,8	101 700
22,0	77,1	86,3	90 500
24,0	75,7	85,8	81 100
26,0	74,3	85,2	73 000
28,0	72,9	84,6	66 100
30,0	71,5	83,9	60 000
32,0	70,1	83,2	54 600
34,0	68,6	82,4	49 800
36,0	67,2	81,5	45 500
38,0	65,7	80,6	41 600
40,0	64,2	79,7	38 100
42,0	62,7	78,6	35 000
44,0	61,1	77,5	32 100
46,0	59,6	76,3	29 400
48,0	58,0	75,1	27 000
50,0	56,4	73,7	24 600
52,0	54,7	72,3	22 300
54,0	53,0	70,8	20 300
56,0	51,3	69,2	18 300
58,0	49,6	67,5	16 600
60,0	47,7	65,6	14 900
62,0	45,9	63,7	13 300
64,0	43,9	61,6	11 900
66,0	41,9	59,4	10 500
68,0	39,8	57,0	9 200
70,0	37,6	54,4	8 000

Liftcrane Boom Capacities

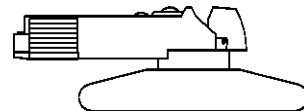
18000

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

125 190 kg Crane Counterweight

25 400 kg Carbody Counterweight

360 Degree Rating


Maximum Operating Wind Speed
14 m/s

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	133 600
16,0	81,8	93,8	127 000
18,0	80,5	93,4	110 900
20,0	79,3	93,0	98 100
22,0	78,0	92,6	87 300
24,0	76,7	92,1	78 200
26,0	75,4	91,6	70 400
28,0	74,1	91,0	63 600
30,0	72,8	90,4	57 600
32,0	71,5	89,7	52 300
34,0	70,1	88,9	47 700
36,0	68,8	88,2	43 500
38,0	67,4	87,3	39 700
40,0	66,0	86,4	36 300
42,0	64,6	85,5	33 200
44,0	63,2	84,4	30 300
46,0	61,8	83,4	27 700
48,0	60,4	82,2	25 300
50,0	58,9	81,0	23 000
52,0	57,4	79,7	21 000
54,0	55,9	78,4	19 100
56,0	54,4	76,9	17 300
58,0	52,8	75,4	15 600
60,0	51,2	73,8	14 000
62,0	49,5	72,1	12 400
64,0	47,8	70,2	10 900
66,0	46,1	68,3	9 600
68,0	44,3	66,3	8 300
70,0	42,4	64,1	7 100