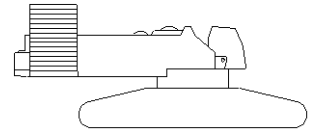


Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 30.5m Mast No. 56
239 500 kg Crane Counterweight
145 150 kg Carbody Counterweight
360 Degree Rating

**Meets
ANSI B30.5
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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 jib, all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib 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. A04341**, Wire Rope Specification chart **No. 8514-C or 8514-D** 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-B**.

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, 9.1m live mast, 30.5m mast, 16 part boom hoist reeving, boom support straps, 239 500 kg crane counterweight and 145 150 kg carbody counterweight.

Maximum Boom and Jib Lengths Lifted Unassisted			
Over End of Blocked Crawlers		Over Side of Crawlers	
Boom Length	Jib Length	Boom Length	Jib Length
97.5m	—	91.4m	—
91.4m	—	85.3m	—
85.3m	—	79.2m	—
79.2m	—	73.2m	—
73.2m	—	67.1m	—
67.1m	15.2m	61.0m	15.2m
61.0m	27.4m	54.9m	27.4m
54.9m	33.5m	48.8m	33.5m

Load block, hook and weight ball on ground at start.

Boom Catwalks Deduct
Deduct 300 kg from capacities when boom catwalks are attached.

Deduct From Capacities When Jib is Attached	
Jib Length	Jib No. 79A
15.2m	48 100 kg
21.3m	56 100 kg
27.4m	65 200 kg
33.5m	72 300 kg

Weight of jib and 12 300 kg suspended beneath jib point sheaves have been included in deduct.

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.

Consult chart No. 8558-AM for jib capacities.
Upper boom point cannot be used when jib is attached.

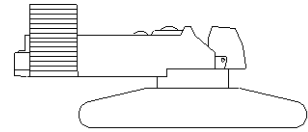


Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 30.5m Mast No. 56
239 500 kg Crane Counterweight
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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36.6m (120 Ft.) Boom			
7.3	83.2	39.6	600 000 *
8.0	82.1	39.5	512 800 *
9.0	80.6	39.3	458 800 *
10.0	78.9	39.1	413 200 *
11.0	77.3	38.8	375 500 *
12.0	75.7	38.5	343 800 *
14.0	72.4	37.9	291 500 *
16.0	69.0	37.1	250 000 *
18.0	65.6	36.2	218 300 *
20.0	62.0	35.1	193 000 *
22.0	58.3	33.8	172 400 *
24.0	54.5	32.3	155 400 *
26.0	50.4	30.7	140 200 *
28.0	46.0	28.7	126 000 *
30.0	41.3	26.5	114 000 *
32.0	36.0	23.7	103 700 *
34.0	29.8	20.4	94 800 *
36.0	22.0	15.8	86 900 *
42.7m (140 Ft.) Boom			
8.5	82.6	45.6	481 700 *
9.0	81.9	45.5	457 500 *
10.0	80.6	45.3	411 600 *
11.0	79.2	45.1	373 900 *
12.0	77.8	44.8	342 300 *
14.0	75.0	44.3	290 300 *
16.0	72.2	43.6	248 800 *
18.0	69.3	42.8	217 000 *
20.0	66.4	42.0	191 800 *
22.0	63.3	40.9	171 300 *
24.0	60.2	39.8	154 300 *
26.0	57.0	38.5	139 500 *
28.0	53.7	37.0	125 300 *
30.0	50.2	35.3	113 300 *
32.0	46.5	33.4	103 000 *
34.0	42.5	31.2	94 100 *
36.0	38.2	28.6	86 300 *
38.0	33.3	25.6	79 500 *
40.0	27.7	22.0	73 300 *
42.0	20.6	17.0	67 800 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) Boom			
9.1	82.8	51.7	448 100 *
10.0	81.7	51.5	409 700 *
11.0	80.6	51.3	372 100 *
12.0	79.4	51.1	340 400 *
14.0	76.9	50.6	288 700 *
16.0	74.5	50.0	247 200 *
18.0	72.0	49.4	215 500 *
20.0	69.5	48.6	190 300 *
22.0	66.9	47.7	169 800 *
24.0	64.3	46.8	152 800 *
26.0	61.6	45.7	138 400 *
28.0	58.9	44.4	124 200 *
30.0	56.0	43.1	112 200 *
32.0	53.1	41.6	102 000 *
34.0	50.0	39.9	93 100 *
36.0	46.8	38.0	85 300 *
38.0	43.4	35.9	78 400 *
40.0	39.7	33.5	72 300 *
42.0	35.7	30.7	66 800 *
44.0	31.2	27.5	61 900 *
46.0	26.0	23.5	57 400 *
48.0	19.5	18.3	53 300 *
54.9m (180 Ft.) Boom			
9.8	82.9	57.7	418 500 *
10.0	82.7	57.7	408 400 *
11.0	81.6	57.5	370 500 *
12.0	80.6	57.3	338 800 *
14.0	78.4	56.9	287 300 *
16.0	76.3	56.4	245 800 *
18.0	74.1	55.8	214 000 *
20.0	71.9	55.1	188 800 *
22.0	69.7	54.4	168 300 *
24.0	67.4	53.5	151 300 *
26.0	65.1	52.6	136 900 *
28.0	62.7	51.5	123 200 *
30.0	60.3	50.4	111 100 *
32.0	57.8	49.1	100 800 *
34.0	55.3	47.7	91 800 *
36.0	52.6	46.2	84 100 *
38.0	49.9	44.5	77 200 *
40.0	47.0	42.6	71 100 *
42.0	44.0	40.5	65 600 *
44.0	40.9	38.2	60 600 *
46.0	37.4	35.6	56 200 *
48.0	33.7	32.7	52 100 *
50.0	29.5	29.2	48 300 *
52.0	24.7	25.0	44 900 *
54.0	18.6	19.5	41 700 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
61.0m (200 Ft.) Boom			
11.0	82.5	63.7	370 400 *
12.0	81.5	63.5	337 700 *
14.0	79.6	63.2	286 500 *
16.0	77.7	62.7	244 900 *
18.0	75.7	62.2	213 200 *
20.0	73.8	61.6	188 000 *
22.0	71.8	60.9	167 500 *
24.0	69.8	60.1	150 400 *
26.0	67.7	59.3	136 100 *
28.0	65.7	58.4	122 700 *
30.0	63.6	57.4	110 600 *
32.0	61.4	56.3	100 300 *
34.0	59.2	55.1	91 300 *
36.0	57.0	53.8	83 500 *
38.0	54.7	52.3	76 600 *
40.0	52.3	50.8	70 500 *
42.0	49.8	49.1	65 000 *
44.0	47.2	47.2	60 100 *
46.0	44.6	45.2	55 600 *
48.0	41.7	42.9	51 500 *
50.0	38.7	40.5	47 800 *
52.0	35.5	37.7	44 400 *
54.0	32.0	34.5	41 200 *
56.0	28.1	30.9	38 300 *
58.0	23.6	26.5	35 500 *

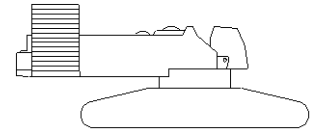


Liftcrane Boom Capacities

Meets
ANSI B30.5
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Boom No. 55 or No. 55A with 30.5m Mast No. 56
239 500 kg Crane Counterweight
145 150 kg Carbody Counterweight
360 Degree Rating



Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
67.1m (220 Ft.) Boom			
11.6	82.6	69.8	348 500 *
12.0	82.3	69.7	336 100 *
14.0	80.6	69.4	285 000 *
16.0	78.8	68.9	243 300 *
18.0	77.1	68.5	211 600 *
20.0	75.3	67.9	186 300 *
22.0	73.5	67.3	165 800 *
24.0	71.7	66.7	148 800 *
26.0	69.9	65.9	134 400 *
28.0	68.0	65.1	121 500 *
30.0	66.2	64.2	109 300 *
32.0	64.2	63.2	98 900 *
34.0	62.3	62.2	89 900 *
36.0	60.3	61.0	82 100 *
38.0	58.3	59.7	75 200 *
40.0	56.3	58.4	69 100 *
42.0	54.2	56.9	63 500 *
44.0	52.0	55.4	58 600 *
46.0	49.7	53.7	54 100 *
48.0	47.4	51.8	50 100 *
50.0	45.0	49.8	46 300 *
52.0	42.5	47.6	42 900 *
54.0	39.8	45.2	39 800 *
56.0	37.0	42.6	36 900 *
58.0	33.9	39.6	34 100 *
60.0	30.6	36.3	31 600 *
62.0	26.9	32.5	29 300 *
64.0	22.6	27.9	27 000 *
73.2m (240 Ft.) Boom			
12.2	82.8	75.8	329 200 *
14.0	81.4	75.6	283 900 *
16.0	79.8	75.2	242 300 *
18.0	78.2	74.7	210 500 *
20.0	76.5	74.3	185 300 *
22.0	74.9	73.7	164 700 *
24.0	73.3	73.1	147 700 *
26.0	71.6	72.4	133 300 *
28.0	70.0	71.7	120 700 *
30.0	68.3	70.9	108 400 *
32.0	66.6	70.0	98 100 *
34.0	64.8	69.0	89 100 *
36.0	63.1	68.0	81 200 *
38.0	61.3	66.9	74 300 *
40.0	59.4	65.7	68 200 *
42.0	57.6	64.4	62 700 *
44.0	55.7	63.0	57 700 *
46.0	53.7	61.6	53 200 *
48.0	51.7	60.0	49 200 *
50.0	49.7	58.3	45 400 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
73.2m (240 Ft.) Boom			
52.0	47.5	56.4	42 000 *
54.0	45.3	54.5	38 900 *
56.0	43.0	52.3	36 000 *
58.0	40.6	50.0	33 300 *
60.0	38.1	47.4	30 700 *
62.0	35.4	44.6	28 400 *
64.0	32.5	41.5	26 200 *
66.0	29.4	38.0	24 100 *
68.0	25.9	34.0	21 700 *
70.0	21.8	29.2	19 400 *
79.2m (260 Ft.) Boom			
13.7	82.2	81.8	288 800 *
14.0	82.0	81.7	282 500 *
16.0	80.6	81.4	240 600 *
18.0	79.1	81.0	208 800 *
20.0	77.6	80.5	183 500 *
22.0	76.1	80.0	163 000 *
24.0	74.6	79.5	145 900 *
26.0	73.1	78.8	131 600 *
28.0	71.6	78.2	119 100 *
30.0	70.0	77.4	107 100 *
32.0	68.5	76.6	96 600 *
34.0	66.9	75.8	87 600 *
36.0	65.3	74.8	79 700 *
38.0	63.7	73.8	72 800 *
40.0	62.0	72.8	66 700 *
42.0	60.4	71.6	61 100 *
44.0	58.7	70.4	56 200 *
46.0	56.9	69.1	51 700 *
48.0	55.2	67.7	47 600 *
50.0	53.4	66.2	43 900 *
52.0	51.5	64.6	40 500 *
54.0	49.6	62.9	37 300 *
56.0	47.7	61.0	34 400 *
58.0	45.6	59.1	31 700 *
60.0	43.5	57.0	29 200 *
62.0	41.4	54.7	26 800 *
64.0	39.1	52.2	24 600 *
66.0	36.6	49.6	22 300 *
68.0	34.1	46.6	19 900 *
70.0	31.3	43.4	17 700 *
72.0	28.3	39.7	15 600 *
74.0	25.0	35.5	13 500 *
76.0	21.1	30.6	11 600 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
85.3m (280 Ft.) Boom			
13.7	82.8	87.9	287 400 *
14.0	82.6	87.9	281 100 *
16.0	81.2	87.6	239 400 *
18.0	79.9	87.2	207 600 *
20.0	78.5	86.8	182 300 *
22.0	77.1	86.3	161 700 *
24.0	75.7	85.8	144 700 *
26.0	74.3	85.2	130 300 *
28.0	72.9	84.6	117 900 *
30.0	71.5	83.9	106 100 *
32.0	70.1	83.2	95 600 *
34.0	68.6	82.4	86 600 *
36.0	67.2	81.5	78 700 *
38.0	65.7	80.6	71 800 *
40.0	64.2	79.7	65 600 *
42.0	62.7	78.6	60 100 *
44.0	61.2	77.5	55 100 *
46.0	59.6	76.3	50 600 *
48.0	58.0	75.1	46 500 *
50.0	56.4	73.7	42 800 *
52.0	54.7	72.3	39 300 *
54.0	53.1	70.8	36 200 *
56.0	51.3	69.2	33 300 *
58.0	49.6	67.5	30 600 *
60.0	47.8	65.6	28 100 *
62.0	45.9	63.7	25 800 *
64.0	44.0	61.6	23 500 *
66.0	41.9	59.4	21 100 *
68.0	39.9	57.0	18 700 *
70.0	37.7	54.4	16 500 *
72.0	35.3	51.6	14 400 *
74.0	32.9	48.5	12 400 *
76.0	30.2	45.2	10 600 *
78.0	27.4	41.4	8 700 *

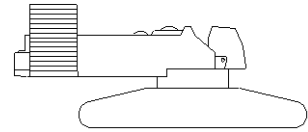


Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 30.5m Mast No. 56
239 500 kg Crane Counterweight
145 150 kg Carbody Counterweight
360 Degree Rating

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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
91.4m (300 Ft.) Boom			
15.2	82.3	93.9	252 100 *
16.0	81.8	93.8	238 400 *
18.0	80.6	93.4	205 800 *
20.0	79.3	93.0	180 500 *
22.0	78.0	92.6	159 900 *
24.0	76.7	92.1	142 900 *
26.0	75.4	91.6	128 500 *
28.0	74.1	91.0	116 200
30.0	72.8	90.4	104 700
32.0	71.5	89.7	94 100
34.0	70.1	88.9	85 100
36.0	68.8	88.2	77 200
38.0	67.4	87.3	70 200
40.0	66.1	86.4	64 000
42.0	64.7	85.5	58 500
44.0	63.3	84.4	53 500
46.0	61.8	83.4	49 000
48.0	60.4	82.2	44 900
50.0	58.9	81.0	41 100
52.0	57.4	79.7	37 700
54.0	55.9	78.4	34 600
56.0	54.4	76.9	31 700
58.0	52.8	75.4	29 000
60.0	51.2	73.8	26 400
62.0	49.5	72.1	24 000
64.0	47.8	70.2	21 500 *
66.0	46.1	68.3	19 000 *
68.0	44.3	66.3	16 700 *
70.0	42.5	64.1	14 500 *
72.0	40.5	61.7	12 400 *
74.0	38.5	59.2	10 400 *
76.0	36.4	56.5	8 600 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
97.5m (320 Ft.) Boom			
15.2	82.8	100.0	247 900 *
16.0	82.3	99.9	236 300 *
18.0	81.2	99.6	206 100 *
20.0	80.0	99.2	180 500 *
22.0	78.8	98.8	160 000 *
24.0	77.6	98.4	142 900 *
26.0	76.3	97.9	128 500 *
28.0	75.1	97.3	116 200
30.0	73.9	96.8	104 900
32.0	72.7	96.1	94 400
34.0	71.4	95.4	85 300
36.0	70.2	94.7	77 400
38.0	68.9	93.9	70 400
40.0	67.6	93.1	64 200
42.0	66.4	92.2	58 700
44.0	65.1	91.3	53 700
46.0	63.8	90.3	49 200
48.0	62.4	89.2	45 100
50.0	61.1	88.1	41 300
52.0	59.7	86.9	37 900
54.0	58.3	85.7	34 700
56.0	56.9	84.4	31 800
58.0	55.5	83.0	29 100
60.0	54.0	81.5	26 600
62.0	52.6	80.0	24 100
64.0	51.0	78.4	21 600 *
66.0	49.5	76.7	19 300 *
68.0	47.9	74.8	17 100 *
70.0	46.3	72.9	14 900 *
72.0	44.6	70.9	12 800 *
74.0	42.9	68.7	10 800 *
76.0	41.1	66.5	9 000 *