



Liftcrane Boom Capacities

888 RINGER

Meets
 ANSI B30.5
 Requirements

Boom No. 67B, 36.6m Mast No. 49A
No Jib Installed
13.7m RINGER Attachment on Screw Jack Pedestals
632 810 kg Auxiliary Counterweight
360 Degree Rating

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 (*).

Upper boom point capacity for liftcrane service with single part whip line is 14 650 kg or 29 300 kg with two part whip line. When boom butt mounted auxiliary drum is used, capacity with single part line is 9 070 kg or 18 140 kg with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

Weight of all load blocks, hooks, slings, hoist lines, etc., beneath boom 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 roller path level within a tolerance of 24 mm in 13.7m and properly supported. Refer to boom rigging **No. 177811** and

Wire Rope Specification chart **No. 7925-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

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 13.7m RINGER attachment, 8 585 mm extendible crawlers, 1 219 mm treads, 3 124 mm retractable gantry, 9 144 mm live mast, 36.6m No. 49A mast, 16 part boom hoist reeving, boom support straps, and 632 810 kg auxiliary counterweight.

Maximum Boom Length Lifted Unassisted
121.9m With Jib Backstay Straps Stowed On Boom
129.5m With Jib Backstay Straps Removed
Load block, hook, and weight ball on ground at start.

Deduct
Deduct 4 540 kg from capacities when jib backstay straps are stowed on boom.

Warning: Check amount of auxiliary counterweight on machine before using this chart.



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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
38.1m (125 Ft.) BOOM			
12.2	82.6	40.2	600 000 *
14.0	79.8	39.9	543 200 *
16.0	76.7	39.5	493 000 *
18.0	73.6	38.9	450 900 *
20.0	70.4	38.2	415 200 *
22.0	67.2	37.4	384 500 *
24.0	63.8	36.4	357 800 *
26.0	60.4	35.3	334 200
28.0	56.8	34.0	305 700
30.0	53.1	32.5	273 700 *
32.0	49.1	30.9	244 900 *
34.0	44.9	28.9	220 000 *
36.0	40.4	26.6	197 600 *
38.0	35.4	24.0	177 000 *
40.0	29.6	20.7	157 500 *
42.0	22.4	16.3	137 800 *
45.7m (150 Ft.) BOOM			
13.7	81.9	47.7	544 300 *
14.0	81.5	47.7	537 300 *
16.0	79.0	47.3	489 100 *
18.0	76.4	46.8	446 900 *
20.0	73.8	46.2	411 400 *
22.0	71.2	45.6	380 800 *
24.0	68.5	44.8	354 300 *
26.0	65.7	43.9	331 000
28.0	62.9	42.9	305 200
30.0	60.0	41.8	277 200
32.0	57.1	40.5	254 300
34.0	54.0	39.1	234 600
36.0	50.8	37.5	217 600
38.0	47.4	35.7	202 700
40.0	43.8	33.6	188 200 *
42.0	40.0	31.3	171 800 *
44.0	35.8	28.7	156 700 *
46.0	31.2	25.5	142 200 *
48.0	25.7	21.7	127 900 *
50.0	18.8	16.5	112 700 *
53.3m (175 Ft.) BOOM			
15.2	81.4	55.2	488 700 *
16.0	80.6	55.1	478 300 *
18.0	78.4	54.6	443 900 *
20.0	76.2	54.2	407 500 *
22.0	73.9	53.6	377 100 *
24.0	71.7	52.9	350 700 *
26.0	69.4	52.2	327 600
28.0	67.1	51.4	304 300
30.0	64.7	50.4	276 100
32.0	62.3	49.4	253 100
34.0	59.8	48.3	233 400
36.0	57.3	47.0	216 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
53.3m (175 Ft.) BOOM			
38.0	54.6	45.6	201 400
40.0	51.9	44.0	188 200
42.0	49.1	42.3	176 500
44.0	46.1	40.5	166 100
46.0	43.0	38.4	156 600
48.0	39.7	36.0	147 800
50.0	36.2	33.4	137 500 *
52.0	32.3	30.4	126 500 *
54.0	27.9	26.8	115 700 *
56.0	22.7	22.4	104 800 *
61.0m (200 Ft.) BOOM			
15.2	82.5	62.9	432 100 *
16.0	81.8	62.8	431 700 *
18.0	79.9	62.4	426 900 *
20.0	77.9	62.0	403 800 *
22.0	76.0	61.5	373 100 *
24.0	74.0	61.0	346 900 *
26.0	72.1	60.3	323 900 *
28.0	70.1	59.6	301 900
30.0	68.1	58.8	274 800
32.0	66.0	57.9	251 700
34.0	63.9	57.0	232 000
36.0	61.8	55.9	214 900
38.0	59.6	54.7	200 000
40.0	57.4	53.5	186 800
42.0	55.1	52.1	175 100
44.0	52.8	50.6	164 700
46.0	50.3	49.0	155 300
48.0	47.8	47.2	146 700
50.0	45.2	45.2	139 000
52.0	42.4	43.1	131 900
54.0	39.5	40.7	125 400
56.0	36.4	38.1	119 400
58.0	33.1	35.1	111 600 *
60.0	29.3	31.7	103 400 *
62.0	25.1	27.7	95 100 *
64.0	20.1	22.7	86 400 *
68.6m (225 Ft.) BOOM			
16.8	82.0	70.4	374 900 *
18.0	81.0	70.2	371 100 *
20.0	79.3	69.8	365 000 *
22.0	77.6	69.4	359 000 *
24.0	75.9	68.9	344 400 *
26.0	74.1	68.3	320 500 *
28.0	72.4	67.7	299 100
30.0	70.6	67.0	273 800
32.0	68.8	66.2	250 500
34.0	67.0	65.4	230 700
36.0	65.2	64.5	213 700
38.0	63.3	63.5	198 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
68.6m (225 Ft.) BOOM			
40.0	61.4	62.4	185 600
42.0	59.5	61.2	173 900
44.0	57.5	60.0	163 400
46.0	55.5	58.6	154 000
48.0	53.4	57.1	145 500
50.0	51.3	55.6	137 700
52.0	49.1	53.8	130 600
54.0	46.8	52.0	124 200
56.0	44.4	50.0	118 200
58.0	42.0	47.8	112 700
60.0	39.4	45.4	107 600
62.0	36.6	42.8	102 800
64.0	33.7	39.9	98 100
66.0	30.4	36.6	91 800 *
68.0	26.9	32.8	85 300 *
70.0	22.8	28.4	78 600 *
76.2m (250 Ft.) BOOM			
16.8	82.8	78.1	326 500 *
18.0	81.9	77.9	324 100 *
20.0	80.4	77.6	319 500 *
22.0	78.8	77.2	314 700 *
24.0	77.3	76.7	309 900 *
26.0	75.8	76.2	304 900 *
28.0	74.2	75.7	286 500 *
30.0	72.6	75.0	264 300 *
32.0	71.0	74.4	245 700 *
34.0	69.4	73.6	229 200
36.0	67.8	72.8	212 400
38.0	66.2	71.9	197 400
40.0	64.5	71.0	184 200
42.0	62.8	70.0	172 500
44.0	61.1	68.9	162 000
46.0	59.4	67.7	152 600
48.0	57.6	66.5	144 100
50.0	55.8	65.1	136 300
52.0	53.9	63.7	129 200
54.0	52.0	62.1	122 700
56.0	50.1	60.5	116 800
58.0	48.1	58.7	111 300
60.0	46.0	56.8	106 100
62.0	43.8	54.7	101 400
64.0	41.6	52.5	97 000
66.0	39.2	50.1	92 900
68.0	36.8	47.5	89 000
70.0	34.1	44.6	85 400
72.0	31.3	41.4	80 700 *
74.0	28.2	37.9	75 500 *
76.0	24.8	33.7	70 300 *
78.0	20.8	28.8	64 800 *



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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
83.8m (275 Ft.) BOOM			
18.3	82.4	85.6	286 300 *
20.0	81.3	85.3	283 100 *
22.0	79.9	84.9	279 400 *
24.0	78.5	84.5	275 600 *
26.0	77.1	84.1	271 700 *
28.0	75.7	83.6	265 700 *
30.0	74.2	83.0	248 100 *
32.0	72.8	82.4	230 700 *
34.0	71.4	81.7	215 900 *
36.0	69.9	81.0	202 900 *
38.0	68.5	80.2	191 300 *
40.0	67.0	79.4	180 800 *
42.0	65.5	78.5	171 000
44.0	64.0	77.5	160 900
46.0	62.4	76.5	151 400
48.0	60.8	75.4	142 900
50.0	59.3	74.2	135 100
52.0	57.6	72.9	128 100
54.0	56.0	71.6	121 600
56.0	54.3	70.2	115 600
58.0	52.6	68.7	110 100
60.0	50.9	67.1	105 000
62.0	49.1	65.3	100 300
64.0	47.2	63.5	95 800
66.0	45.3	61.6	91 700
68.0	43.3	59.5	87 800
70.0	41.3	57.2	84 200
72.0	39.1	54.8	80 800
74.0	36.9	52.2	77 600
76.0	34.5	49.4	74 500
78.0	32.0	46.3	70 800 *
80.0	29.2	42.8	66 700 *
82.0	26.2	38.9	62 500 *
84.0	22.9	34.4	58 200 *
86.0	19.0	29.0	53 500 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
91.4m (300 Ft.) BOOM			
19.8	82.1	93.0	248 700 *
20.0	82.0	93.0	248 400 *
22.0	80.7	92.7	245 500 *
24.0	79.5	92.3	242 600 *
26.0	78.2	91.9	239 500 *
28.0	76.9	91.4	236 400 *
30.0	75.6	90.9	230 700 *
32.0	74.3	90.4	216 300 *
34.0	73.0	89.8	202 600 *
36.0	71.7	89.1	190 500 *
38.0	70.3	88.4	179 800 *
40.0	69.0	87.6	170 100 *
42.0	67.6	86.8	161 300 *
44.0	66.3	85.9	153 300 *
46.0	64.9	85.0	146 000 *
48.0	63.5	84.0	139 100 *
50.0	62.1	83.0	132 800 *
52.0	60.6	81.9	126 600
54.0	59.2	80.7	120 100
56.0	57.7	79.4	114 100
58.0	56.2	78.1	108 600
60.0	54.7	76.7	103 500
62.0	53.1	75.2	98 800
64.0	51.5	73.6	94 400
66.0	49.9	72.0	90 200
68.0	48.2	70.2	86 300
70.0	46.5	68.3	82 700
72.0	44.7	66.3	79 300
74.0	42.9	64.2	76 100
76.0	41.0	61.9	73 100
78.0	39.0	59.5	70 200
80.0	37.0	56.9	67 500
82.0	34.8	54.1	64 700
84.0	32.5	51.0	61 400 *
86.0	30.1	47.7	58 000 *
88.0	27.4	44.0	54 600 *
90.0	24.5	39.8	51 100 *
92.0	21.2	34.9	47 400 *
94.0	17.3	29.0	43 400 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
99.1m (325 Ft.) BOOM			
19.8	82.7	100.7	212 900 *
20.0	82.6	100.7	212 900 *
22.0	81.4	100.4	212 900 *
24.0	80.3	100.1	212 900 *
26.0	79.1	99.7	212 800 *
28.0	77.9	99.3	211 100 *
30.0	76.7	98.8	208 200 *
32.0	75.5	98.3	203 200 *
34.0	74.3	97.7	190 300 *
36.0	73.1	97.1	179 100 *
38.0	71.9	96.5	169 000 *
40.0	70.7	95.8	160 000 *
42.0	69.4	95.0	151 900 *
44.0	68.2	94.2	144 400 *
46.0	66.9	93.4	137 600 *
48.0	65.7	92.5	131 400 *
50.0	64.4	91.5	125 600 *
52.0	63.1	90.5	120 100 *
54.0	61.8	89.5	115 000 *
56.0	60.5	88.4	110 300 *
58.0	59.1	87.2	105 700 *
60.0	57.8	85.9	101 500 *
62.0	56.4	84.6	97 400
64.0	55.0	83.2	93 100
66.0	53.5	81.7	89 000
68.0	52.1	80.2	85 100
70.0	50.6	78.6	81 500
72.0	49.0	76.8	78 100
74.0	47.5	75.0	74 900
76.0	45.9	73.1	71 900
78.0	44.2	71.1	69 000
80.0	42.5	68.9	66 300
82.0	40.8	66.7	63 700
84.0	39.0	64.2	61 300
86.0	37.1	61.6	58 700 *
88.0	35.1	58.8	55 900 *
90.0	33.0	55.8	53 100 *
92.0	30.8	52.5	50 300 *
94.0	28.4	48.9	47 500 *
96.0	25.8	44.9	44 600 *
98.0	22.9	40.4	41 600 *
100.0	19.7	35.2	38 400 *
102.0	15.8	28.8	34 800 *



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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
106.7m (350 Ft.) BOOM			
21.3	82.4	108.2	177 300 *
22.0	82.1	108.1	177 300 *
24.0	81.0	107.8	177 300 *
26.0	79.9	107.4	177 300 *
28.0	78.8	107.1	177 300 *
30.0	77.7	106.6	177 300 *
32.0	76.6	106.1	177 300 *
34.0	75.5	105.6	176 300 *
36.0	74.4	105.1	168 800 *
38.0	73.2	104.5	158 700 *
40.0	72.1	103.8	150 200 *
42.0	71.0	103.2	142 600 *
44.0	69.8	102.4	135 600 *
46.0	68.7	101.7	129 200 *
48.0	67.5	100.8	123 300 *
50.0	66.4	100.0	117 900 *
52.0	65.2	99.0	112 900 *
54.0	64.0	98.1	108 200 *
56.0	62.8	97.0	103 700 *
58.0	61.5	96.0	99 600 *
60.0	60.3	94.8	95 700 *
62.0	59.1	93.7	91 900 *
64.0	57.8	92.4	88 400 *
66.0	56.5	91.1	84 900 *
68.0	55.2	89.7	81 700 *
70.0	53.9	88.3	78 600 *
72.0	52.5	86.7	75 600 *
74.0	51.2	85.1	72 700 *
76.0	49.8	83.5	69 900 *
78.0	48.3	81.7	67 200 *
80.0	46.9	79.9	64 600 *
82.0	45.4	77.9	62 000 *
84.0	43.8	75.8	59 500 *
86.0	42.2	73.7	57 000 *
88.0	40.6	71.4	54 600 *
90.0	38.9	68.9	52 200 *
92.0	37.1	66.3	49 800 *
94.0	35.3	63.5	47 500 *
96.0	33.4	60.6	45 100 *
98.0	31.3	57.4	42 800 *
100.0	29.2	53.9	40 400 *
102.0	26.9	50.0	38 000 *
104.0	24.3	45.8	35 500 *
106.0	21.5	40.9	32 800 *
108.0	18.3	35.3	30 000 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
114.3m (375 Ft.) BOOM			
21.3	82.9	115.9	148 800 *
22.0	82.6	115.8	148 800 *
24.0	81.6	115.5	148 800 *
26.0	80.6	115.2	148 800 *
28.0	79.5	114.8	148 800 *
30.0	78.5	114.4	148 800 *
32.0	77.5	114.0	148 800 *
34.0	76.5	113.5	148 800 *
36.0	75.4	113.0	148 800 *
38.0	74.4	112.4	148 800 *
40.0	73.3	111.8	141 400 *
42.0	72.3	111.2	134 000 *
44.0	71.2	110.5	127 400 *
46.0	70.2	109.8	121 400 *
48.0	69.1	109.1	115 800 *
50.0	68.0	108.3	110 700 *
52.0	66.9	107.4	106 000 *
54.0	65.8	106.5	101 600 *
56.0	64.7	105.6	97 400 *
58.0	63.6	104.6	93 500 *
60.0	62.5	103.6	89 900 *
62.0	61.3	102.5	86 400 *
64.0	60.2	101.3	83 100 *
66.0	59.0	100.1	80 000 *
68.0	57.8	98.9	77 000 *
70.0	56.6	97.6	74 100 *
72.0	55.4	96.2	71 300 *
74.0	54.2	94.8	68 700 *
76.0	52.9	93.3	66 100 *
78.0	51.7	91.7	63 700 *
80.0	50.4	90.1	61 300 *
82.0	49.0	88.4	58 900 *
84.0	47.7	86.5	56 700 *
86.0	46.3	84.7	54 500 *
88.0	44.9	82.7	52 300 *
90.0	43.4	80.6	50 200 *
92.0	42.0	78.4	48 100 *
94.0	40.4	76.1	46 100 *
96.0	38.8	73.6	44 100 *
98.0	37.2	71.0	42 000 *
100.0	35.5	68.3	40 000 *
102.0	33.7	65.3	38 000 *
104.0	31.8	62.2	36 100 *
106.0	29.9	58.8	34 000 *
108.0	27.7	55.1	32 000 *
110.0	25.5	51.0	29 900 *
112.0	23.0	46.5	27 700 *
114.0	20.2	41.3	25 400 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
121.9m (400 Ft.) BOOM			
22.9	82.7	123.4	126 000 *
24.0	82.1	123.2	126 000 *
26.0	81.2	122.9	126 000 *
28.0	80.2	122.6	126 000 *
30.0	79.3	122.2	126 000 *
32.0	78.3	121.8	126 000 *
34.0	77.3	121.3	126 000 *
36.0	76.4	120.9	126 000 *
38.0	75.4	120.3	126 000 *
40.0	74.4	119.8	126 000 *
42.0	73.4	119.2	124 700 *
44.0	72.4	118.6	119 800 *
46.0	71.5	117.9	113 800 *
48.0	70.5	117.2	108 500 *
50.0	69.5	116.4	103 600 *
52.0	68.4	115.7	99 200 *
54.0	67.4	114.8	94 900 *
56.0	66.4	114.0	91 000 *
58.0	65.4	113.1	87 300 *
60.0	64.3	112.1	83 900 *
62.0	63.3	111.1	80 600 *
64.0	62.2	110.1	77 500 *
66.0	61.2	109.0	74 600 *
68.0	60.1	107.8	71 800 *
70.0	59.0	106.6	69 100 *
72.0	57.9	105.4	66 600 *
74.0	56.7	104.1	64 100 *
76.0	55.6	102.7	61 700 *
78.0	54.5	101.3	59 500 *
80.0	53.3	99.8	57 200 *
82.0	52.1	98.3	55 100 *
84.0	50.9	96.7	53 100 *
86.0	49.7	95.0	51 000 *
88.0	48.4	93.2	49 100 *
90.0	47.1	91.4	47 100 *
92.0	45.8	89.4	45 300 *
94.0	44.5	87.4	43 400 *
96.0	43.1	85.3	41 600 *
98.0	41.7	83.1	39 900 *
100.0	40.3	80.8	38 100 *
102.0	38.8	78.3	36 300 *
104.0	37.3	75.7	34 600 *
106.0	35.7	73.0	32 900 *
108.0	34.0	70.1	31 200 *
110.0	32.3	66.9	29 500 *
112.0	30.4	63.6	27 700 *
114.0	28.5	60.0	26 000 *
116.0	26.4	56.1	24 200 *
118.0	24.2	51.8	22 300 *
120.0	21.8	47.0	20 400 *
122.0	19.0	41.5	18 300 *



Liftcrane Boom Capacities

Meets
 ANSI B30.5
 Requirements

888 RINGER

Boom No. 67B, 36.6m Mast No. 49A
No Jib Installed
13.7m RINGER Attachment on Screw Jack Pedestals
632 810 kg Auxiliary Counterweight
360 Degree Ratingg

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
129.5m (425 Ft.) BOOM			
24.4	82.4	130.9	105 500 *
26.0	81.7	130.6	105 500 *
28.0	80.8	130.3	105 500 *
30.0	79.9	130.0	105 500 *
32.0	79.0	129.6	105 500 *
34.0	78.1	129.1	105 500 *
36.0	77.2	128.7	105 500 *
38.0	76.3	128.2	105 500 *
40.0	75.4	127.7	105 500 *
42.0	74.4	127.1	105 500 *
44.0	73.5	126.5	104 300 *
46.0	72.6	125.9	101 700 *
48.0	71.7	125.3	98 800 *
50.0	70.7	124.6	96 000 *
52.0	69.8	123.8	92 900 *
54.0	68.8	123.1	88 800 *
56.0	67.9	122.3	85 100 *
58.0	66.9	121.4	81 600 *
60.0	65.9	120.5	78 300 *
62.0	65.0	119.6	75 200 *
64.0	64.0	118.6	72 300 *
66.0	63.0	117.6	69 500 *
68.0	62.0	116.6	66 900 *
70.0	61.0	115.5	64 400 *
72.0	60.0	114.3	61 900 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
129.5m (425 Ft.) BOOM			
74.0	58.9	113.1	59 600 *
76.0	57.9	111.9	57 400 *
78.0	56.8	110.6	55 300 *
80.0	55.8	109.2	53 300 *
82.0	54.7	107.8	51 300 *
84.0	53.6	106.3	49 300 *
86.0	52.5	104.8	47 500 *
88.0	51.4	103.2	45 700 *
90.0	50.2	101.6	43 600 *
92.0	49.0	99.9	41 300 *
94.0	47.8	98.1	39 000 *
96.0	46.6	96.2	36 700 *
98.0	45.4	94.2	34 500 *
100.0	44.1	92.2	32 300 *
102.0	42.8	90.1	30 200 *
104.0	41.5	87.8	28 000 *
106.0	40.2	85.5	25 900 *
108.0	38.7	83.0	23 800 *
110.0	37.3	80.4	21 800 *
112.0	35.8	77.7	19 700 *
114.0	34.2	74.8	17 700 *
116.0	32.6	71.7	15 700 *
118.0	30.9	68.4	13 700 *
120.0	29.1	64.9	11 700 *