

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 RINGER

Boom No. 67B - 36.6m Mast No. 49A
Luffing Jib No. 49A-44
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 (*).

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom point sheaves, is considered part of main boom load. Weight of luffing jib and 6 350 kg suspended beneath luffing jib point sheaves have been included in capacity determination. 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. During operation, luffing jib must be maintained at proper boom to luffing jib angle shown in table. Refer to luffing jib assembly **No. 178033**, Wire Rope Specification chart **No. 7930-A** and Luffing Jib Raising Procedure chart **No. 7929-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 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, 14 part luffing jib hoist reeving, strap luffing jib supports and backstays, and 632 810 kg auxiliary counterweight.

Upper boom point must be removed from main boom for use of this chart.

WARNING: Check amount of auxiliary counterweight on machine before use of this chart.

Consult chart **No. 7926-AM** for luffing jib capacities.

Luffing Jib Position During Operation	
Luffing Jib Length - Meters	Boom To Luffing Jib Angle
30.5	125 Degrees
36.6	135 Degrees
42.7 - 48.8	150 Degrees
54.9 - 61.0	160 Degrees
67.1 - 97.5	168 Degrees



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30.5m (100 Ft.) Luffing Jib, Attached at 125 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
38.1m (125 Ft.) BOOM			
12.2	82.6	40.2	534 000 *
14.0	79.8	39.9	479 700 *
16.0	76.7	39.5	429 900 *
18.0	73.6	38.9	388 300 *
20.0	70.4	38.2	353 000 *
22.0	67.2	37.4	322 700 *
24.0	63.8	36.4	296 400 *
26.0	60.4	35.3	273 000 *
28.0	56.8	34.0	239 300 *
45.7m (150 Ft.) BOOM			
13.7	81.9	47.7	483 700 *
14.0	81.5	47.7	476 300 *
16.0	79.0	47.3	426 300 *
18.0	76.4	46.8	385 000 *
20.0	73.8	46.2	349 900 *
22.0	71.2	45.6	319 800 *
24.0	68.5	44.8	293 600 *
26.0	65.7	43.9	270 700 *
28.0	62.9	42.9	250 400 *
30.0	60.0	41.8	229 300 *
32.0	57.1	40.5	206 400 *
53.3m (175 Ft.) BOOM			
15.2	81.4	55.2	431 300 *
16.0	80.6	55.1	418 600 *
18.0	78.4	54.6	381 900 *
20.0	76.2	54.2	346 400 *
22.0	73.9	53.6	316 400 *
24.0	71.7	52.9	290 400 *
26.0	69.4	52.2	267 600 *
28.0	67.1	51.4	247 500 *
30.0	64.7	50.4	227 800 *
32.0	62.3	49.4	205 900 *
34.0	59.8	48.3	186 700 *
36.0	57.3	47.0	170 000 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
61.0m (200 Ft.) BOOM			
15.2	82.5	62.9	375 300 *
16.0	81.8	62.8	375 200 *
18.0	79.9	62.4	372 800 *
20.0	77.9	62.0	342 500 *
22.0	76.0	61.5	312 800 *
24.0	74.0	61.0	286 900 *
26.0	72.1	60.3	264 300 *
28.0	70.1	59.6	244 200 *
30.0	68.1	58.8	226 000 *
32.0	66.0	57.9	205 000 *
34.0	63.9	57.0	185 800 *
36.0	61.8	55.9	169 100 *
38.0	59.6	54.7	154 600 *
40.0	57.4	53.5	141 800 *
68.6m (225 Ft.) BOOM			
16.8	82.0	70.4	319 200 *
18.0	81.0	70.2	316 500 *
20.0	79.3	69.8	312 000 *
22.0	77.6	69.4	304 900 *
24.0	75.9	68.9	284 600 *
26.0	74.1	68.3	261 100 *
28.0	72.4	67.7	240 500 *
30.0	70.6	67.0	218 500 *
32.0	68.8	66.2	198 500 *
34.0	67.0	65.4	181 000 *
36.0	65.2	64.5	165 500 *
38.0	63.3	63.5	151 700 *
40.0	61.4	62.4	139 100 *
42.0	59.5	61.2	127 600 *
44.0	57.5	60.0	117 100 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
76.2m (250 Ft.) BOOM			
16.8	82.8	78.1	271 500 *
18.0	81.9	77.9	269 900 *
20.0	80.4	77.6	267 000 *
22.0	78.8	77.2	263 600 *
24.0	77.3	76.7	260 100 *
26.0	75.8	76.2	246 600 *
28.0	74.2	75.7	222 100 *
30.0	72.6	75.0	201 600 *
32.0	71.0	74.4	183 800 *
34.0	69.4	73.6	168 200 *
36.0	67.8	72.8	154 400 *
38.0	66.2	71.9	142 000 *
40.0	64.5	71.0	130 800 *
42.0	62.8	70.0	120 600 *
44.0	61.1	68.9	111 300 *
46.0	59.4	67.7	102 600 *
48.0	57.6	66.5	94 600 *
50.0	55.8	65.1	87 100 *
83.8m (275 Ft.) BOOM			
18.3	82.4	85.6	226 000 *
20.0	81.3	85.3	224 800 *
22.0	79.9	84.9	222 900 *
24.0	78.5	84.5	220 500 *
26.0	77.1	84.1	217 800 *
28.0	75.7	83.6	205 200 *
30.0	74.2	83.0	185 300 *
32.0	72.8	82.4	169 100 *
34.0	71.4	81.7	154 900 *
36.0	69.9	81.0	142 400 *
38.0	68.5	80.2	131 300 *
40.0	67.0	79.4	121 200 *
42.0	65.5	78.5	112 000 *
44.0	64.0	77.5	103 600 *
46.0	62.4	76.5	95 800 *
48.0	60.8	75.4	88 600 *
50.0	59.3	74.2	81 900 *
52.0	57.6	72.9	75 600 *
54.0	56.0	71.6	69 700 *

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Boom No. 67B - 36.6m Mast No. 49A
Luffing Jib No. 49A-44
13.7m RINGER Attachment on Screw Jack Pedestals
632 810 kg Auxiliary Counterweight
360 Degree Rating

30.5m (100 Ft.) Luffing Jib, Attached at 125 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
91.4m (300 Ft.) BOOM			
19.8	82.1	93.0	190 100 *
20.0	82.0	93.0	190 000 *
22.0	80.7	92.7	189 400 *
24.0	79.5	92.3	188 100 *
26.0	78.2	91.9	186 500 *
28.0	76.9	91.4	183 400 *
30.0	75.6	90.9	170 800 *
32.0	74.3	90.4	155 000 *
34.0	73.0	89.8	141 800 *
36.0	71.7	89.1	130 300 *
38.0	70.3	88.4	120 000 *
40.0	69.0	87.6	110 800 *
42.0	67.6	86.8	102 300 *
44.0	66.3	85.9	94 700 *
46.0	64.9	85.0	87 600 *
48.0	63.5	84.0	81 100 *
50.0	62.1	83.0	75 000 *
52.0	60.6	81.9	69 300 *
54.0	59.2	80.7	64 000 *
56.0	57.7	79.4	59 000 *
58.0	56.2	78.1	54 200 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
99.1m (325 Ft.) BOOM			
19.8	82.7	100.7	148 300 *
20.0	82.6	100.7	148 300 *
22.0	81.4	100.4	148 300 *
24.0	80.3	100.1	148 300 *
26.0	79.1	99.7	148 300 *
28.0	77.9	99.3	148 300 *
30.0	76.7	98.8	148 300 *
32.0	75.5	98.3	142 100 *
34.0	74.3	97.7	129 800 *
36.0	73.1	97.1	119 100 *
38.0	71.9	96.5	109 400 *
40.0	70.7	95.8	100 900 *
42.0	69.4	95.0	93 000 *
44.0	68.2	94.2	85 900 *
46.0	66.9	93.4	79 400 *
48.0	65.7	92.5	73 400 *
50.0	64.4	91.5	67 800 *
52.0	63.1	90.5	62 600 *
54.0	61.8	89.5	57 700 *
56.0	60.5	88.4	53 100 *
58.0	59.1	87.2	48 800 *
60.0	57.8	85.9	44 700 *
62.0	56.4	84.6	40 700 *

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Boom No. 67B - 36.6m Mast No. 49A

Luffing Jib No. 49A-44

13.7m RINGER Attachment on Screw Jack Pedestals

632 810 kg Auxiliary Counterweight

360 Degree Rating

36.6m (120 Ft.) Luffing Jib, Attached at 135 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
38.1m (125 Ft.) BOOM			
12.2	82.6	40.2	527 300 *
14.0	79.8	39.9	472 900 *
16.0	76.7	39.5	423 000 *
18.0	73.6	38.9	381 300 *
20.0	70.4	38.2	345 900 *
22.0	67.2	37.4	315 500 *
24.0	63.8	36.4	289 100 *
26.0	60.4	35.3	265 600 *
28.0	56.8	34.0	229 400 *
30.0	53.1	32.5	197 400 *
32.0	49.1	30.9	170 100 *
45.7m (150 Ft.) BOOM			
13.7	81.9	47.7	477 100 *
14.0	81.5	47.7	469 700 *
16.0	79.0	47.3	419 700 *
18.0	76.4	46.8	378 300 *
20.0	73.8	46.2	343 200 *
22.0	71.2	45.6	313 000 *
24.0	68.5	44.8	286 800 *
26.0	65.7	43.9	263 900 *
28.0	62.9	42.9	243 600 *
30.0	60.0	41.8	222 700 *
32.0	57.1	40.5	198 200 *
34.0	54.0	39.1	174 500 *
36.0	50.8	37.5	153 600 *
38.0	47.4	35.7	135 000 *
53.3m (175 Ft.) BOOM			
15.2	81.4	55.2	424 800 *
16.0	80.6	55.1	412 200 *
18.0	78.4	54.6	375 500 *
20.0	76.2	54.2	339 900 *
22.0	73.9	53.6	309 900 *
24.0	71.7	52.9	283 900 *
26.0	69.4	52.2	261 100 *
28.0	67.1	51.4	240 900 *
30.0	64.7	50.4	221 600 *
32.0	62.3	49.4	199 800 *
34.0	59.8	48.3	180 700 *
36.0	57.3	47.0	164 200 *
38.0	54.6	45.6	148 400 *
40.0	51.9	44.0	132 700 *
42.0	49.1	42.3	118 400 *
44.0	46.1	40.5	105 300 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
61.0m (200 Ft.) BOOM			
15.2	82.5	62.9	369 500 *
16.0	81.8	62.8	369 300 *
18.0	79.9	62.4	366 600 *
20.0	77.9	62.0	336 300 *
22.0	76.0	61.5	306 500 *
24.0	74.0	61.0	280 600 *
26.0	72.1	60.3	258 000 *
28.0	70.1	59.6	237 900 *
30.0	68.1	58.8	220 000 *
32.0	66.0	57.9	199 300 *
34.0	63.9	57.0	180 100 *
36.0	61.8	55.9	163 500 *
38.0	59.6	54.7	149 000 *
40.0	57.4	53.5	136 100 *
42.0	55.1	52.1	123 200 *
44.0	52.8	50.6	111 400 *
46.0	50.3	49.0	100 500 *
48.0	47.8	47.2	90 400 *
68.6m (225 Ft.) BOOM			
16.8	82.0	70.4	313 500 *
18.0	81.0	70.2	310 700 *
20.0	79.3	69.8	306 000 *
22.0	77.6	69.4	298 800 *
24.0	75.9	68.9	278 400 *
26.0	74.1	68.3	255 000 *
28.0	72.4	67.7	234 000 *
30.0	70.6	67.0	210 800 *
32.0	68.8	66.2	191 100 *
34.0	67.0	65.4	173 700 *
36.0	65.2	64.5	158 300 *
38.0	63.3	63.5	144 500 *
40.0	61.4	62.4	132 000 *
42.0	59.5	61.2	120 600 *
44.0	57.5	60.0	110 200 *
46.0	55.5	58.6	100 500 *
48.0	53.4	57.1	91 500 *
50.0	51.3	55.6	83 100 *
52.0	49.1	53.8	75 200 *
54.0	46.8	52.0	67 800 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
76.2m (250 Ft.) BOOM			
16.8	82.8	78.1	265 800 *
18.0	81.9	77.9	264 200 *
20.0	80.4	77.6	261 100 *
22.0	78.8	77.2	257 700 *
24.0	77.3	76.7	254 000 *
26.0	75.8	76.2	239 000 *
28.0	74.2	75.7	214 700 *
30.0	72.6	75.0	194 300 *
32.0	71.0	74.4	176 700 *
34.0	69.4	73.6	161 200 *
36.0	67.8	72.8	147 400 *
38.0	66.2	71.9	135 200 *
40.0	64.5	71.0	124 000 *
42.0	62.8	70.0	113 900 *
44.0	61.1	68.9	104 600 *
46.0	59.4	67.7	96 000 *
48.0	57.6	66.5	88 000 *
50.0	55.8	65.1	80 600 *
52.0	53.9	63.7	73 600 *
54.0	52.0	62.1	67 000 *
56.0	50.1	60.5	60 700 *
58.0	48.1	58.7	54 800 *

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Boom No. 67B - 36.6m Mast No. 49A

Luffing Jib No. 49A-44

13.7m RINGER Attachment on Screw Jack Pedestals

632 810 kg Auxiliary Counterweight

360 Degree Rating

36.6m (120 Ft.) Luffing Jib, Attached at 135 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
83.8m (275 Ft.) BOOM			
18.3	82.4	85.6	220 500 *
20.0	81.3	85.3	219 200 *
22.0	79.9	84.9	217 200 *
24.0	78.5	84.5	214 700 *
26.0	77.1	84.1	211 900 *
28.0	75.7	83.6	197 800 *
30.0	74.2	83.0	178 200 *
32.0	72.8	82.4	162 100 *
34.0	71.4	81.7	148 100 *
36.0	69.9	81.0	135 700 *
38.0	68.5	80.2	124 600 *
40.0	67.0	79.4	114 600 *
42.0	65.5	78.5	105 400 *
44.0	64.0	77.5	97 100 *
46.0	62.4	76.5	89 300 *
48.0	60.8	75.4	82 200 *
50.0	59.3	74.2	75 500 *
52.0	57.6	72.9	69 300 *
54.0	56.0	71.6	63 400 *
56.0	54.3	70.2	57 800 *
58.0	52.6	68.7	52 600 *
60.0	50.9	67.1	47 500 *
62.0	49.1	65.3	42 800 *
64.0	47.2	63.5	38 200 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
91.4m (300 Ft.) BOOM			
19.8	82.1	93.0	184 700 *
20.0	82.0	93.0	184 600 *
22.0	80.7	92.7	183 800 *
24.0	79.5	92.3	182 500 *
26.0	78.2	91.9	180 900 *
28.0	76.9	91.4	177 300 *
30.0	75.6	90.9	163 800 *
32.0	74.3	90.4	148 200 *
34.0	73.0	89.8	135 200 *
36.0	71.7	89.1	123 700 *
38.0	70.3	88.4	113 500 *
40.0	69.0	87.6	104 300 *
42.0	67.6	86.8	96 000 *
44.0	66.3	85.9	88 300 *
46.0	64.9	85.0	81 300 *
48.0	63.5	84.0	74 800 *
50.0	62.1	83.0	68 800 *
52.0	60.6	81.9	63 200 *
54.0	59.2	80.7	57 900 *
56.0	57.7	79.4	52 900 *
58.0	56.2	78.1	48 100 *
60.0	54.7	76.7	43 600 *
62.0	53.1	75.2	39 300 *
64.0	51.5	73.6	35 300 *
66.0	49.9	72.0	31 300 *
68.0	48.2	70.2	27 500 *
70.0	46.5	68.3	23 900 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
99.1m (325 Ft.) BOOM			
19.8	82.7	100.7	142 900 *
20.0	82.6	100.7	142 900 *
22.0	81.4	100.4	142 900 *
24.0	80.3	100.1	142 900 *
26.0	79.1	99.7	142 900 *
28.0	77.9	99.3	142 900 *
30.0	76.7	98.8	142 900 *
32.0	75.5	98.3	135 500 *
34.0	74.3	97.7	123 300 *
36.0	73.1	97.1	112 600 *
38.0	71.9	96.5	103 100 *
40.0	70.7	95.8	94 500 *
42.0	69.4	95.0	86 800 *
44.0	68.2	94.2	79 800 *
46.0	66.9	93.4	73 300 *
48.0	65.7	92.5	67 300 *
50.0	64.4	91.5	61 700 *
52.0	63.1	90.5	56 600 *
54.0	61.8	89.5	51 700 *
56.0	60.5	88.4	47 200 *
58.0	59.1	87.2	42 900 *
60.0	57.8	85.9	38 800 *
62.0	56.4	84.6	34 900 *
64.0	55.0	83.2	31 200 *
66.0	53.5	81.7	27 700 *
68.0	52.1	80.2	24 200 *
70.0	50.6	78.6	21 000 *
72.0	49.0	76.8	17 800 *
74.0	47.5	75.0	14 800 *

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Boom No. 67B - 36.6m Mast No. 49A

Luffing Jib No. 49A-44

13.7m RINGER Attachment on Screw Jack Pedestals

632 810 kg Auxiliary Counterweight

360 Degree Rating

42.7m (140 Ft.) Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
38.1m (125 Ft.) BOOM			
12.2	82.6	40.2	526 400 *
14.0	79.8	39.9	471 100 *
16.0	76.7	39.5	420 400 *
18.0	73.6	38.9	378 000 *
20.0	70.4	38.2	342 100 *
22.0	67.2	37.4	311 100 *
24.0	63.8	36.4	284 300 *
26.0	60.4	35.3	260 400 *
28.0	56.8	34.0	222 400 *
30.0	53.1	32.5	190 100 *
32.0	49.1	30.9	162 400 *
34.0	44.9	28.9	138 100 *
36.0	40.4	26.6	116 300 *
38.0	35.4	24.0	96 400 *
45.7m (150 Ft.) BOOM			
13.7	81.9	47.7	475 900 *
14.0	81.5	47.7	468 400 *
16.0	79.0	47.3	417 500 *
18.0	76.4	46.8	375 600 *
20.0	73.8	46.2	339 900 *
22.0	71.2	45.6	309 300 *
24.0	68.5	44.8	282 700 *
26.0	65.7	43.9	259 400 *
28.0	62.9	42.9	238 800 *
30.0	60.0	41.8	218 000 *
32.0	57.1	40.5	191 900 *
34.0	54.0	39.1	167 900 *
36.0	50.8	37.5	146 700 *
38.0	47.4	35.7	127 800 *
40.0	43.8	33.6	110 700 *
42.0	40.0	31.3	95 000 *
44.0	35.8	28.7	80 300 *
53.3m (175 Ft.) BOOM			
15.2	81.4	55.2	427 100 *
16.0	80.6	55.1	412 300 *
18.0	78.4	54.6	372 900 *
20.0	76.2	54.2	337 100 *
22.0	73.9	53.6	306 700 *
24.0	71.7	52.9	280 300 *
26.0	69.4	52.2	257 100 *
28.0	67.1	51.4	236 700 *
30.0	64.7	50.4	217 500 *
32.0	62.3	49.4	195 800 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
53.3m (175 Ft.) BOOM			
34.0	59.8	48.3	176 500
36.0	57.3	47.0	159 300
38.0	54.6	45.6	142 300 *
40.0	51.9	44.0	126 400 *
42.0	49.1	42.3	111 900 *
44.0	46.1	40.5	98 700 *
46.0	43.0	38.4	86 300 *
48.0	39.7	36.0	74 800 *
50.0	36.2	33.4	63 800 *
61.0m (200 Ft.) BOOM			
15.2	82.5	62.9	372 600 *
16.0	81.8	62.8	372 100 *
18.0	79.9	62.4	365 600 *
20.0	77.9	62.0	333 800 *
22.0	76.0	61.5	303 600 *
24.0	74.0	61.0	277 400 *
26.0	72.1	60.3	254 500 *
28.0	70.1	59.6	234 100 *
30.0	68.1	58.8	216 100 *
32.0	66.0	57.9	195 700 *
34.0	63.9	57.0	176 400 *
36.0	61.8	55.9	159 600 *
38.0	59.6	54.7	144 600 *
40.0	57.4	53.5	130 400 *
42.0	55.1	52.1	117 400 *
44.0	52.8	50.6	105 500 *
46.0	50.3	49.0	94 400 *
48.0	47.8	47.2	84 200 *
50.0	45.2	45.2	74 600 *
52.0	42.4	43.1	65 500 *
54.0	39.5	40.7	56 900 *
56.0	36.4	38.1	48 600 *
58.0	33.1	35.1	40 600 *
68.6m (225 Ft.) BOOM			
16.8	82.0	70.4	315 200 *
18.0	81.0	70.2	312 000 *
20.0	79.3	69.8	306 700 *
22.0	77.6	69.4	298 100 *
24.0	75.9	68.9	275 200 *
26.0	74.1	68.3	251 700 *
28.0	72.4	67.7	230 500 *
30.0	70.6	67.0	206 900 *
32.0	68.8	66.2	186 900 *
34.0	67.0	65.4	169 300 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
68.6m (225 Ft.) BOOM			
36.0	65.2	64.5	153 700 *
38.0	63.3	63.5	139 700 *
40.0	61.4	62.4	127 000 *
42.0	59.5	61.2	115 400 *
44.0	57.5	60.0	104 800 *
46.0	55.5	58.6	95 100 *
48.0	53.4	57.1	85 900 *
50.0	51.3	55.6	77 400 *
52.0	49.1	53.8	69 400 *
54.0	46.8	52.0	61 900 *
56.0	44.4	50.0	54 600 *
58.0	42.0	47.8	47 800 *
60.0	39.4	45.4	41 200 *
62.0	36.6	42.8	34 800 *
64.0	33.7	39.9	28 500 *
76.2m (250 Ft.) BOOM			
16.8	82.8	78.1	268 600 *
18.0	81.9	77.9	266 400 *
20.0	80.4	77.6	262 700 *
22.0	78.8	77.2	258 600 *
24.0	77.3	76.7	254 500 *
26.0	75.8	76.2	236 200 *
28.0	74.2	75.7	211 600 *
30.0	72.6	75.0	190 800 *
32.0	71.0	74.4	172 800 *
34.0	69.4	73.6	157 100 *
36.0	67.8	72.8	143 200 *
38.0	66.2	71.9	130 700 *
40.0	64.5	71.0	119 400 *
42.0	62.8	70.0	109 100 *
44.0	61.1	68.9	99 700 *
46.0	59.4	67.7	90 900 *
48.0	57.6	66.5	82 900 *
50.0	55.8	65.1	75 300 *
52.0	53.9	63.7	68 200 *
54.0	52.0	62.1	61 500 *
56.0	50.1	60.5	55 200 *
58.0	48.1	58.7	49 100 *
60.0	46.0	56.8	43 400 *
62.0	43.8	54.7	37 900 *
64.0	41.6	52.5	32 500 *
66.0	39.2	50.1	27 400 *
68.0	36.8	47.5	22 300 *
70.0	34.1	44.6	17 400 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 RINGER

Boom No. 67B - 36.6m Mast No. 49A
Luffing Jib No. 49A-44
13.7m RINGER Attachment on Screw Jack Pedestals
632 810 kg Auxiliary Counterweight
360 Degree Rating

42.7m (140 Ft.) Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
83.8m (275 Ft.) BOOM			
18.3	82.4	85.6	223 500 *
20.0	81.3	85.3	221 500 *
22.0	79.9	84.9	218 900 *
24.0	78.5	84.5	215 900 *
26.0	77.1	84.1	212 500 *
28.0	75.7	83.6	194 600 *
30.0	74.2	83.0	175 000 *
32.0	72.8	82.4	158 700 *
34.0	71.4	81.7	144 400 *
36.0	69.9	81.0	131 800 *
38.0	68.5	80.2	120 500 *
40.0	67.0	79.4	110 300 *
42.0	65.5	78.5	101 000 *
44.0	64.0	77.5	92 500 *
46.0	62.4	76.5	84 700 *
48.0	60.8	75.4	77 400 *
50.0	59.3	74.2	70 600 *
52.0	57.6	72.9	64 300 *
54.0	56.0	71.6	58 300 *
56.0	54.3	70.2	52 700 *
58.0	52.6	68.7	47 300 *
60.0	50.9	67.1	42 200 *
62.0	49.1	65.3	37 300 *
64.0	47.2	63.5	32 700 *
66.0	45.3	61.6	28 200 *
68.0	43.3	59.5	23 800 *
70.0	41.3	57.2	19 600 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
91.4m (300 Ft.) BOOM			
19.8	82.1	93.0	186 300 *
20.0	82.0	93.0	186 300 *
22.0	80.7	92.7	186 000 *
24.0	79.5	92.3	184 500 *
26.0	78.2	91.9	182 300 *
28.0	76.9	91.4	177 500 *
30.0	75.6	90.9	160 500 *
32.0	74.3	90.4	145 000 *
34.0	73.0	89.8	131 800 *
36.0	71.7	89.1	120 100 *
38.0	70.3	88.4	109 700 *
40.0	69.0	87.6	100 300 *
42.0	67.6	86.8	91 800 *
44.0	66.3	85.9	84 100 *
46.0	64.9	85.0	77 000 *
48.0	63.5	84.0	70 400 *
50.0	62.1	83.0	64 200 *
52.0	60.6	81.9	58 400 *
54.0	59.2	80.7	53 100 *
56.0	57.7	79.4	48 000 *
58.0	56.2	78.1	43 200 *
60.0	54.7	76.7	38 600 *
62.0	53.1	75.2	34 300 *
64.0	51.5	73.6	30 100 *
66.0	49.9	72.0	26 100 *
68.0	48.2	70.2	22 200 *
70.0	46.5	68.3	18 500 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
99.1m (325 Ft.) BOOM			
19.8	82.7	100.7	144 600 *
20.0	82.6	100.7	144 600 *
22.0	81.4	100.4	144 600 *
24.0	80.3	100.1	144 600 *
26.0	79.1	99.7	144 600 *
28.0	77.9	99.3	144 600 *
30.0	76.7	98.8	143 600 *
32.0	75.5	98.3	132 500 *
34.0	74.3	97.7	120 100 *
36.0	73.1	97.1	109 200 *
38.0	71.9	96.5	99 500 *
40.0	70.7	95.8	90 800 *
42.0	69.4	95.0	82 900 *
44.0	68.2	94.2	75 700 *
46.0	66.9	93.4	69 100 *
48.0	65.7	92.5	63 000 *
50.0	64.4	91.5	57 400 *
52.0	63.1	90.5	52 100 *
54.0	61.8	89.5	47 200 *
56.0	60.5	88.4	42 600 *
58.0	59.1	87.2	38 200 *
60.0	57.8	85.9	34 000 *
62.0	56.4	84.6	30 100 *
64.0	55.0	83.2	26 300 *
66.0	53.5	81.7	22 700 *
68.0	52.1	80.2	19 200 *
70.0	50.6	78.6	15 900 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 RINGER

Boom No. 67B - 36.6m Mast No. 49A
Luffing Jib No. 49A-44
13.7m RINGER Attachment on Screw Jack Pedestals
632 810 kg Auxiliary Counterweight
360 Degree Rating

48.8m (160 Ft.) Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
38.1m (125 Ft.) BOOM			
12.2	82.6	40.2	517 500 *
14.0	79.8	39.9	462 400 *
16.0	76.7	39.5	411 900 *
18.0	73.6	38.9	369 700 *
20.0	70.4	38.2	333 900 *
22.0	67.2	37.4	303 100 *
24.0	63.8	36.4	276 400 *
26.0	60.4	35.3	249 800 *
28.0	56.8	34.0	211 700 *
30.0	53.1	32.5	179 900 *
32.0	49.1	30.9	152 600 *
34.0	44.9	28.9	128 700 *
36.0	40.4	26.6	107 300 *
38.0	35.4	24.0	87 800 *
45.7m (150 Ft.) BOOM			
13.7	81.9	47.7	467 300 *
14.0	81.5	47.7	459 900 *
16.0	79.0	47.3	409 300 *
18.0	76.4	46.8	367 500 *
20.0	73.8	46.2	332 000 *
22.0	71.2	45.6	301 600 *
24.0	68.5	44.8	275 100 *
26.0	65.7	43.9	252 000 *
28.0	62.9	42.9	231 500 *
30.0	60.0	41.8	209 600 *
32.0	57.1	40.5	182 500 *
34.0	54.0	39.1	158 900 *
36.0	50.8	37.5	138 100 *
38.0	47.4	35.7	119 400 *
40.0	43.8	33.6	102 500 *
42.0	40.0	31.3	87 100 *
44.0	35.8	28.7	72 600 *
53.3m (175 Ft.) BOOM			
15.2	81.4	55.2	417 800 *
16.0	80.6	55.1	403 600 *
18.0	78.4	54.6	365 100 *
20.0	76.2	54.2	329 400 *
22.0	73.9	53.6	299 200 *
24.0	71.7	52.9	272 900 *
26.0	69.4	52.2	250 000 *
28.0	67.1	51.4	229 600 *
30.0	64.7	50.4	210 500 *
32.0	62.3	49.4	189 100 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
53.3m (175 Ft.) BOOM			
34.0	59.8	48.3	169 900 *
36.0	57.3	47.0	151 700 *
38.0	54.6	45.6	134 100 *
40.0	51.9	44.0	118 500 *
42.0	49.1	42.3	104 300 *
44.0	46.1	40.5	91 200 *
46.0	43.0	38.4	79 000 *
48.0	39.7	36.0	67 700 *
50.0	36.2	33.4	56 900 *
61.0m (200 Ft.) BOOM			
15.2	82.5	62.9	363 600 *
16.0	81.8	62.8	363 200 *
18.0	79.9	62.4	357 600 *
20.0	77.9	62.0	326 300 *
22.0	76.0	61.5	296 300 *
24.0	74.0	61.0	270 300 *
26.0	72.1	60.3	247 400 *
28.0	70.1	59.6	227 300 *
30.0	68.1	58.8	209 300 *
32.0	66.0	57.9	189 200 *
34.0	63.9	57.0	169 700 *
36.0	61.8	55.9	152 300 *
38.0	59.6	54.7	136 800 *
40.0	57.4	53.5	122 700 *
42.0	55.1	52.1	109 900 *
44.0	52.8	50.6	98 200 *
46.0	50.3	49.0	87 300 *
48.0	47.8	47.2	77 300 *
50.0	45.2	45.2	67 800 *
52.0	42.4	43.1	58 800 *
54.0	39.5	40.7	50 400 *
56.0	36.4	38.1	42 200 *
58.0	33.1	35.1	34 300 *
68.6m (225 Ft.) BOOM			
16.8	82.0	70.4	306 900 *
18.0	81.0	70.2	303 700 *
20.0	79.3	69.8	298 500 *
22.0	77.6	69.4	290 300 *
24.0	75.9	68.9	268 200 *
26.0	74.1	68.3	244 700 *
28.0	72.4	67.7	221 300 *
30.0	70.6	67.0	198 100 *
32.0	68.8	66.2	178 500 *
34.0	67.0	65.4	161 200 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
68.6m (225 Ft.) BOOM			
36.0	65.2	64.5	145 800 *
38.0	63.3	63.5	132 000 *
40.0	61.4	62.4	119 600 *
42.0	59.5	61.2	108 200 *
44.0	57.5	60.0	97 800 *
46.0	55.5	58.6	88 100 *
48.0	53.4	57.1	79 100 *
50.0	51.3	55.6	70 800 *
52.0	49.1	53.8	62 900 *
54.0	46.8	52.0	55 500 *
56.0	44.4	50.0	48 400 *
58.0	42.0	47.8	41 600 *
60.0	39.4	45.4	35 100 *
62.0	36.6	42.8	28 800 *
64.0	33.7	39.9	22 700 *
76.2m (250 Ft.) BOOM			
16.8	82.8	78.1	259 900 *
18.0	81.9	77.9	257 900 *
20.0	80.4	77.6	254 300 *
22.0	78.8	77.2	250 400 *
24.0	77.3	76.7	246 300 *
26.0	75.8	76.2	226 700 *
28.0	74.2	75.7	202 600 *
30.0	72.6	75.0	182 200 *
32.0	71.0	74.4	164 600 *
34.0	69.4	73.6	149 200 *
36.0	67.8	72.8	135 500 *
38.0	66.2	71.9	123 200 *
40.0	64.5	71.0	112 200 *
42.0	62.8	70.0	102 000 *
44.0	61.1	68.9	92 800 *
46.0	59.4	67.7	84 200 *
48.0	57.6	66.5	76 200 *
50.0	55.8	65.1	68 800 *
52.0	53.9	63.7	61 800 *
54.0	52.0	62.1	55 200 *
56.0	50.1	60.5	49 000 *
58.0	48.1	58.7	43 100 *
60.0	46.0	56.8	37 400 *
62.0	43.8	54.7	32 000 *
64.0	41.6	52.5	26 700 *
66.0	39.2	50.1	21 700 *
68.0	36.8	47.5	16 700 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 RINGER

Boom No. 67B - 36.6m Mast No. 49A
Luffing Jib No. 49A-44
13.7m RINGER Attachment on Screw Jack Pedestals
632 810 kg Auxiliary Counterweight
360 Degree Rating

48.8m (160 Ft.) Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
83.8m (275 Ft.) BOOM			
18.3	82.4	85.6	214 900 *
20.0	81.3	85.3	213 100 *
22.0	79.9	84.9	210 600 *
24.0	78.5	84.5	207 800 *
26.0	77.1	84.1	204 400 *
28.0	75.7	83.6	185 600 *
30.0	74.2	83.0	166 600 *
32.0	72.8	82.4	150 600 *
34.0	71.4	81.7	136 600 *
36.0	69.9	81.0	124 200 *
38.0	68.5	80.2	113 200 *
40.0	67.0	79.4	103 100 *
42.0	65.5	78.5	94 100 *
44.0	64.0	77.5	85 700 *
46.0	62.4	76.5	78 000 *
48.0	60.8	75.4	70 900 *
50.0	59.3	74.2	64 300 *
52.0	57.6	72.9	58 000 *
54.0	56.0	71.6	52 200 *
56.0	54.3	70.2	46 600 *
58.0	52.6	68.7	41 400 *
60.0	50.9	67.1	36 300 *
62.0	49.1	65.3	31 600 *
64.0	47.2	63.5	27 000 *
66.0	45.3	61.6	22 600 *
68.0	43.3	59.5	18 300 *
70.0	41.3	57.2	14 100 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
91.4m (300 Ft.) BOOM			
19.8	82.1	93.0	176 000 *
20.0	82.0	93.0	175 900 *
22.0	80.7	92.7	174 700 *
24.0	79.5	92.3	173 000 *
26.0	78.2	91.9	171 000 *
28.0	76.9	91.4	166 900 *
30.0	75.6	90.9	152 500 *
32.0	74.3	90.4	137 100 *
34.0	73.0	89.8	124 100 *
36.0	71.7	89.1	112 700 *
38.0	70.3	88.4	102 500 *
40.0	69.0	87.6	93 300 *
42.0	67.6	86.8	85 000 *
44.0	66.3	85.9	77 400 *
46.0	64.9	85.0	70 400 *
48.0	63.5	84.0	64 000 *
50.0	62.1	83.0	57 900 *
52.0	60.6	81.9	52 300 *
54.0	59.2	80.7	47 000 *
56.0	57.7	79.4	42 100 *
58.0	56.2	78.1	37 400 *
60.0	54.7	76.7	32 900 *
62.0	53.1	75.2	28 600 *
64.0	51.5	73.6	24 500 *
66.0	49.9	72.0	20 500 *
68.0	48.2	70.2	16 800 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
99.1m (325 Ft.) BOOM			
19.8	82.7	100.7	136 800 *
20.0	82.6	100.7	136 800 *
22.0	81.4	100.4	136 800 *
24.0	80.3	100.1	136 800 *
26.0	79.1	99.7	136 800 *
28.0	77.9	99.3	136 800 *
30.0	76.7	98.8	135 600 *
32.0	75.5	98.3	124 700 *
34.0	74.3	97.7	112 500 *
36.0	73.1	97.1	102 000 *
38.0	71.9	96.5	92 400 *
40.0	70.7	95.8	83 900 *
42.0	69.4	95.0	76 200 *
44.0	68.2	94.2	69 100 *
46.0	66.9	93.4	62 700 *
48.0	65.7	92.5	56 800 *
50.0	64.4	91.5	51 300 *
52.0	63.1	90.5	46 100 *
54.0	61.8	89.5	41 300 *
56.0	60.5	88.4	36 700 *
58.0	59.1	87.2	32 400 *
60.0	57.8	85.9	28 400 *
62.0	56.4	84.6	24 500 *
64.0	55.0	83.2	20 800 *
66.0	53.5	81.7	17 200 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 RINGER

Boom No. 67B - 36.6m Mast No. 49A
Luffing Jib No. 49A-44
13.7m RINGER Attachment on Screw Jack Pedestals
632 810 kg Auxiliary Counterweight
360 Degree Rating

54.9m (180 Ft.) Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
38.1m (125 Ft.) BOOM			
12.2	82.6	40.2	518 000 *
14.0	79.8	39.9	461 900 *
16.0	76.7	39.5	410 300 *
18.0	73.6	38.9	367 300 *
20.0	70.4	38.2	330 800 *
22.0	67.2	37.4	299 400 *
24.0	63.8	36.4	272 100 *
26.0	60.4	35.3	244 000 *
28.0	56.8	34.0	205 300 *
30.0	53.1	32.5	173 000 *
32.0	49.1	30.9	145 200 *
34.0	44.9	28.9	120 800 *
36.0	40.4	26.6	99 000 *
38.0	35.4	24.0	79 000 *
40.0	29.6	20.7	60 000 *
45.7m (150 Ft.) BOOM			
13.7	81.9	47.7	467 400 *
14.0	81.5	47.7	459 800 *
16.0	79.0	47.3	408 300 *
18.0	76.4	46.8	365 800 *
20.0	73.8	46.2	329 700 *
22.0	71.2	45.6	298 600 *
24.0	68.5	44.8	271 600 *
26.0	65.7	43.9	248 000 *
28.0	62.9	42.9	227 100 *
30.0	60.0	41.8	204 400 *
32.0	57.1	40.5	176 700 *
34.0	54.0	39.1	152 600 *
36.0	50.8	37.5	131 400 *
38.0	47.4	35.7	112 400 *
40.0	43.8	33.6	95 300 *
42.0	40.0	31.3	79 500 *
44.0	35.8	28.7	64 700 *
46.0	31.2	25.5	50 700 *
48.0	25.7	21.7	36 800 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
53.3m (175 Ft.) BOOM			
15.2	81.4	55.2	421 600 *
16.0	80.6	55.1	405 100 *
18.0	78.4	54.6	363 300 *
20.0	76.2	54.2	327 400 *
22.0	73.9	53.6	296 700 *
24.0	71.7	52.9	270 000 *
26.0	69.4	52.2	246 600 *
28.0	67.1	51.4	225 900 *
30.0	64.7	50.4	206 900 *
32.0	62.3	49.4	185 500 *
34.0	59.8	48.3	165 700 *
36.0	57.3	47.0	146 000 *
38.0	54.6	45.6	128 300 *
40.0	51.9	44.0	112 400 *
42.0	49.1	42.3	97 900 *
44.0	46.1	40.5	84 600 *
46.0	43.0	38.4	72 300 *
48.0	39.7	36.0	60 600 *
50.0	36.2	33.4	49 600 *
52.0	32.3	30.4	39 100 *
54.0	27.9	26.8	28 600 *
56.0	22.7	22.4	17 900 *
61.0m (200 Ft.) BOOM			
15.2	82.5	62.9	368 100 *
16.0	81.8	62.8	367 400 *
18.0	79.9	62.4	357 800 *
20.0	77.9	62.0	324 700 *
22.0	76.0	61.5	294 200 *
24.0	74.0	61.0	267 700 *
26.0	72.1	60.3	244 600 *
28.0	70.1	59.6	224 000 *
30.0	68.1	58.8	205 800 *
32.0	66.0	57.9	185 200 *
34.0	63.9	57.0	165 300 *
36.0	61.8	55.9	147 600 *
38.0	59.6	54.7	131 800 *
40.0	57.4	53.5	117 500 *
42.0	55.1	52.1	104 400 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
61.0m (200 Ft.) BOOM			
44.0	52.8	50.6	92 500 *
46.0	50.3	49.0	81 500 *
48.0	47.8	47.2	71 200 *
50.0	45.2	45.2	61 500 *
52.0	42.4	43.1	52 400 *
54.0	39.5	40.7	43 800 *
56.0	36.4	38.1	35 500 *
58.0	33.1	35.1	27 400 *
60.0	29.3	31.7	19 400 *
68.6m (225 Ft.) BOOM			
16.8	82.0	70.4	310 500 *
18.0	81.0	70.2	307 000 *
20.0	79.3	69.8	301 000 *
22.0	77.6	69.4	291 100 *
24.0	75.9	68.9	265 700 *
26.0	74.1	68.3	242 200 *
28.0	72.4	67.7	218 700 *
30.0	70.6	67.0	195 100 *
32.0	68.8	66.2	175 000 *
34.0	67.0	65.4	157 400 *
36.0	65.2	64.5	141 700 *
38.0	63.3	63.5	127 700 *
40.0	61.4	62.4	114 900 *
42.0	59.5	61.2	103 300 *
44.0	57.5	60.0	92 700 *
46.0	55.5	58.6	82 900 *
48.0	53.4	57.1	73 700 *
50.0	51.3	55.6	65 200 *
52.0	49.1	53.8	57 200 *
54.0	46.8	52.0	49 600 *
56.0	44.4	50.0	42 400 *
58.0	42.0	47.8	35 500 *
60.0	39.4	45.4	28 900 *
62.0	36.6	42.8	22 400 *
64.0	33.7	39.9	16 200 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 RINGER

Boom No. 67B - 36.6m Mast No. 49A
Luffing Jib No. 49A-44
13.7m RINGER Attachment on Screw Jack Pedestals
632 810 kg Auxiliary Counterweight
360 Degree Rating

54.9m (180 Ft.) Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
76.2m (250 Ft.) BOOM			
16.8	82.8	78.1	264 500 *
18.0	81.9	77.9	262 000 *
20.0	80.4	77.6	257 700 *
22.0	78.8	77.2	253 200 *
24.0	77.3	76.7	248 500 *
26.0	75.8	76.2	225 100 *
28.0	74.2	75.7	200 500 *
30.0	72.6	75.0	179 600 *
32.0	71.0	74.4	161 600 *
34.0	69.4	73.6	145 900 *
36.0	67.8	72.8	131 900 *
38.0	66.2	71.9	119 300 *
40.0	64.5	71.0	108 000 *
42.0	62.8	70.0	97 700 *
44.0	61.1	68.9	88 200 *
46.0	59.4	67.7	79 500 *
48.0	57.6	66.5	71 300 *
50.0	55.8	65.1	63 700 *
52.0	53.9	63.7	56 600 *
54.0	52.0	62.1	49 900 *
56.0	50.1	60.5	43 600 *
58.0	48.1	58.7	37 500 *
60.0	46.0	56.8	31 700 *
62.0	43.8	54.7	26 200 *
64.0	41.6	52.5	20 800 *
83.8m (275 Ft.) BOOM			
18.3	82.4	85.6	219 700 *
20.0	81.3	85.3	217 300 *
22.0	79.9	84.9	214 100 *
24.0	78.5	84.5	210 700 *
26.0	77.1	84.1	206 500 *
28.0	75.7	83.6	183 500 *
30.0	74.2	83.0	164 400 *
32.0	72.8	82.4	148 000 *
34.0	71.4	81.7	133 600 *
36.0	69.9	81.0	121 000 *
38.0	68.5	80.2	109 700 *
40.0	67.0	79.4	99 400 *
42.0	65.5	78.5	90 100 *
44.0	64.0	77.5	81 600 *
46.0	62.4	76.5	73 700 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
83.8m (275 Ft.) BOOM			
48.0	60.8	75.4	66 400 *
50.0	59.3	74.2	59 600 *
52.0	57.6	72.9	53 300 *
54.0	56.0	71.6	47 300 *
56.0	54.3	70.2	41 600 *
58.0	52.6	68.7	36 200 *
60.0	50.9	67.1	31 100 *
62.0	49.1	65.3	26 200 *
64.0	47.2	63.5	21 600 *
66.0	45.3	61.6	17 100 *
91.4m (300 Ft.) BOOM			
19.8	82.1	93.0	179 300 *
20.0	82.0	93.0	179 300 *
22.0	80.7	92.7	178 700 *
24.0	79.5	92.3	176 600 *
26.0	78.2	91.9	174 100 *
28.0	76.9	91.4	168 500 *
30.0	75.6	90.9	150 200 *
32.0	74.3	90.4	134 700 *
34.0	73.0	89.8	121 500 *
36.0	71.7	89.1	109 700 *
38.0	70.3	88.4	99 300 *
40.0	69.0	87.6	89 900 *
42.0	67.6	86.8	81 400 *
44.0	66.3	85.9	73 600 *
46.0	64.9	85.0	66 400 *
48.0	63.5	84.0	59 800 *
50.0	62.1	83.0	53 700 *
52.0	60.6	81.9	47 900 *
54.0	59.2	80.7	42 500 *
56.0	57.7	79.4	37 400 *
58.0	56.2	78.1	32 600 *
60.0	54.7	76.7	28 000 *
62.0	53.1	75.2	23 600 *
64.0	51.5	73.6	19 500 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
99.1m (325 Ft.) BOOM			
19.8	82.7	100.7	139 700 *
20.0	82.6	100.7	139 700 *
22.0	81.4	100.4	139 700 *
24.0	80.3	100.1	139 700 *
26.0	79.1	99.7	139 700 *
28.0	77.9	99.3	139 700 *
30.0	76.7	98.8	135 400 *
32.0	75.5	98.3	122 700 *
34.0	74.3	97.7	110 200 *
36.0	73.1	97.1	99 300 *
38.0	71.9	96.5	89 500 *
40.0	70.7	95.8	80 700 *
42.0	69.4	95.0	72 800 *
44.0	68.2	94.2	65 600 *
46.0	66.9	93.4	59 000 *
48.0	65.7	92.5	52 900 *
50.0	64.4	91.5	47 200 *
52.0	63.1	90.5	41 900 *
54.0	61.8	89.5	37 000 *
56.0	60.5	88.4	32 400 *
58.0	59.1	87.2	28 000 *
60.0	57.8	85.9	23 800 *
62.0	56.4	84.6	19 800 *
64.0	55.0	83.2	16 100 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 RINGER

Boom No. 67B - 36.6m Mast No. 49A
Luffing Jib No. 49A-44
13.7m RINGER Attachment on Screw Jack Pedestals
632 810 kg Auxiliary Counterweight
360 Degree Rating

61.0m (200 Ft.) Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
38.1m (125 Ft.) BOOM			
12.2	82.6	40.2	509 800 *
14.0	79.8	39.9	453 700 *
16.0	76.7	39.5	402 200 *
18.0	73.6	38.9	359 100 *
20.0	70.4	38.2	322 700 *
22.0	67.2	37.4	291 200 *
24.0	63.8	36.4	264 000 *
26.0	60.4	35.3	232 400 *
28.0	56.8	34.0	194 100 *
30.0	53.1	32.5	162 200 *
32.0	49.1	30.9	134 700 *
34.0	44.9	28.9	110 600 *
36.0	40.4	26.6	89 000 *
38.0	35.4	24.0	69 300 *
40.0	29.6	20.7	50 600 *
45.7m (150 Ft.) BOOM			
13.7	81.9	47.7	459 500 *
14.0	81.5	47.7	451 900 *
16.0	79.0	47.3	400 500 *
18.0	76.4	46.8	358 000 *
20.0	73.8	46.2	321 900 *
22.0	71.2	45.6	290 900 *
24.0	68.5	44.8	264 000 *
26.0	65.7	43.9	240 400 *
28.0	62.9	42.9	219 500 *
30.0	60.0	41.8	195 400 *
32.0	57.1	40.5	166 900 *
34.0	54.0	39.1	143 100 *
36.0	50.8	37.5	122 100 *
38.0	47.4	35.7	103 300 *
40.0	43.8	33.6	86 400 *
42.0	40.0	31.3	70 700 *
44.0	35.8	28.7	56 200 *
46.0	31.2	25.5	42 300 *
48.0	25.7	21.7	28 600 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
53.3m (175 Ft.) BOOM			
15.2	81.4	55.2	412 600 *
16.0	80.6	55.1	396 800 *
18.0	78.4	54.6	355 900 *
20.0	76.2	54.2	320 000 *
22.0	73.9	53.6	289 300 *
24.0	71.7	52.9	262 700 *
26.0	69.4	52.2	239 300 *
28.0	67.1	51.4	218 600 *
30.0	64.7	50.4	199 800 *
32.0	62.3	49.4	178 600 *
34.0	59.8	48.3	156 800 *
36.0	57.3	47.0	137 200 *
38.0	54.6	45.6	119 700 *
40.0	51.9	44.0	104 000 *
42.0	49.1	42.3	89 600 *
44.0	46.1	40.5	76 400 *
46.0	43.0	38.4	64 200 *
48.0	39.7	36.0	52 800 *
50.0	36.2	33.4	41 900 *
52.0	32.3	30.4	31 500 *
54.0	27.9	26.8	21 200 *
61.0m (200 Ft.) BOOM			
15.2	82.5	62.9	359 800 *
16.0	81.8	62.8	359 000 *
18.0	79.9	62.4	350 200 *
20.0	77.9	62.0	317 500 *
22.0	76.0	61.5	287 100 *
24.0	74.0	61.0	260 700 *
26.0	72.1	60.3	237 500 *
28.0	70.1	59.6	217 100 *
30.0	68.1	58.8	197 900 *
32.0	66.0	57.9	176 400 *
34.0	63.9	57.0	156 700 *
36.0	61.8	55.9	139 200 *
38.0	59.6	54.7	123 600 *
40.0	57.4	53.5	109 400 *
42.0	55.1	52.1	96 500 *
44.0	52.8	50.6	84 700 *
46.0	50.3	49.0	73 800 *
48.0	47.8	47.2	63 600 *
50.0	45.2	45.2	54 100 *
52.0	42.4	43.1	45 100 *
54.0	39.5	40.7	36 500 *
56.0	36.4	38.1	28 400 *
58.0	33.1	35.1	20 400 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
68.6m (225 Ft.) BOOM			
16.8	82.0	70.4	303 000 *
18.0	81.0	70.2	299 400 *
20.0	79.3	69.8	293 500 *
22.0	77.6	69.4	283 800 *
24.0	75.9	68.9	258 800 *
26.0	74.1	68.3	235 300 *
28.0	72.4	67.7	209 400 *
30.0	70.6	67.0	186 300 *
32.0	68.8	66.2	166 500 *
34.0	67.0	65.4	149 100 *
36.0	65.2	64.5	133 600 *
38.0	63.3	63.5	119 800 *
40.0	61.4	62.4	107 200 *
42.0	59.5	61.2	95 800 *
44.0	57.5	60.0	85 200 *
46.0	55.5	58.6	75 500 *
48.0	53.4	57.1	66 500 *
50.0	51.3	55.6	58 100 *
52.0	49.1	53.8	50 100 *
54.0	46.8	52.0	42 600 *
56.0	44.4	50.0	35 500 *
58.0	42.0	47.8	28 700 *
60.0	39.4	45.4	22 200 *
62.0	36.6	42.8	15 800 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 RINGER

Boom No. 67B - 36.6m Mast No. 49A
Luffing Jib No. 49A-44
13.7m RINGER Attachment on Screw Jack Pedestals
632 810 kg Auxiliary Counterweight
360 Degree Rating

61.0m (200 Ft.) Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
76.2m (250 Ft.) BOOM			
16.8	82.8	78.1	256 800 *
18.0	81.9	77.9	254 300 *
20.0	80.4	77.6	250 100 *
22.0	78.8	77.2	245 600 *
24.0	77.3	76.7	240 200 *
26.0	75.8	76.2	215 900 *
28.0	74.2	75.7	191 700 *
30.0	72.6	75.0	171 200 *
32.0	71.0	74.4	153 400 *
34.0	69.4	73.6	137 900 *
36.0	67.8	72.8	124 100 *
38.0	66.2	71.9	111 700 *
40.0	64.5	71.0	100 500 *
42.0	62.8	70.0	90 300 *
44.0	61.1	68.9	81 000 *
46.0	59.4	67.7	72 400 *
48.0	57.6	66.5	64 300 *
50.0	55.8	65.1	56 800 *
52.0	53.9	63.7	49 800 *
54.0	52.0	62.1	43 200 *
56.0	50.1	60.5	36 900 *
58.0	48.1	58.7	30 900 *
60.0	46.0	56.8	25 300 *
62.0	43.8	54.7	19 800 *
64.0	41.6	52.5	14 500 *
83.8m (275 Ft.) BOOM			
18.3	82.4	85.6	212 000 *
20.0	81.3	85.3	209 600 *
22.0	79.9	84.9	206 500 *
24.0	78.5	84.5	203 200 *
26.0	77.1	84.1	197 600 *
28.0	75.7	83.6	174 900 *
30.0	74.2	83.0	156 200 *
32.0	72.8	82.4	140 000 *
34.0	71.4	81.7	125 900 *
36.0	69.9	81.0	113 400 *
38.0	68.5	80.2	102 200 *
40.0	67.0	79.4	92 200 *
42.0	65.5	78.5	83 000 *
44.0	64.0	77.5	74 500 *
46.0	62.4	76.5	66 800 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
83.8m (275 Ft.) BOOM			
48.0	60.8	75.4	59 600 *
50.0	59.3	74.2	52 900 *
52.0	57.6	72.9	46 700 *
54.0	56.0	71.6	40 700 *
56.0	54.3	70.2	35 200 *
58.0	52.6	68.7	29 800 *
60.0	50.9	67.1	24 800 *
62.0	49.1	65.3	20 000 *
64.0	47.2	63.5	15 300 *
91.4m (300 Ft.) BOOM			
19.8	82.1	93.0	172 000 *
20.0	82.0	93.0	172 000 *
22.0	80.7	92.7	171 300 *
24.0	79.5	92.3	169 200 *
26.0	78.2	91.9	166 800 *
28.0	76.9	91.4	160 900 *
30.0	75.6	90.9	142 000 *
32.0	74.3	90.4	126 900 *
34.0	73.0	89.8	113 900 *
36.0	71.7	89.1	102 300 *
38.0	70.3	88.4	92 100 *
40.0	69.0	87.6	82 800 *
42.0	67.6	86.8	74 400 *
44.0	66.3	85.9	66 800 *
46.0	64.9	85.0	59 700 *
48.0	63.5	84.0	53 200 *
50.0	62.1	83.0	47 100 *
52.0	60.6	81.9	41 400 *
54.0	59.2	80.7	36 100 *
56.0	57.7	79.4	31 100 *
58.0	56.2	78.1	26 300 *
60.0	54.7	76.7	21 800 *
62.0	53.1	75.2	17 500 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
99.1m (325 Ft.) BOOM			
19.8	82.7	100.7	132 700 *
20.0	82.6	100.7	132 700 *
22.0	81.4	100.4	132 700 *
24.0	80.3	100.1	132 700 *
26.0	79.1	99.7	132 700 *
28.0	77.9	99.3	132 600 *
30.0	76.7	98.8	128 600 *
32.0	75.5	98.3	115 000 *
34.0	74.3	97.7	102 800 *
36.0	73.1	97.1	92 000 *
38.0	71.9	96.5	82 400 *
40.0	70.7	95.8	73 800 *
42.0	69.4	95.0	66 000 *
44.0	68.2	94.2	58 900 *
46.0	66.9	93.4	52 400 *
48.0	65.7	92.5	46 400 *
50.0	64.4	91.5	40 800 *
52.0	63.1	90.5	35 600 *
54.0	61.8	89.5	30 800 *
56.0	60.5	88.4	26 200 *
58.0	59.1	87.2	21 900 *
60.0	57.8	85.9	17 800 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 RINGER

Boom No. 67B - 36.6m Mast No. 49A
Luffing Jib No. 49A-44
13.7m RINGER Attachment on Screw Jack Pedestals
632 810 kg Auxiliary Counterweight
360 Degree Rating

67.1m (220 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
38.1m (125 Ft.) BOOM			
12.2	82.6	40.2	513 000 *
14.0	79.8	39.9	455 500 *
16.0	76.7	39.5	402 700 *
18.0	73.6	38.9	358 500 *
20.0	70.4	38.2	321 100 *
22.0	67.2	37.4	288 800 *
24.0	63.8	36.4	260 900 *
26.0	60.4	35.3	228 300 *
28.0	56.8	34.0	189 100 *
30.0	53.1	32.5	156 300 *
32.0	49.1	30.9	128 100 *
34.0	44.9	28.9	103 300 *
36.0	40.4	26.6	81 000 *
38.0	35.4	24.0	60 700 *
40.0	29.6	20.7	41 400 *
42.0	22.4	16.3	21 900 *
45.7m (150 Ft.) BOOM			
13.7	81.9	47.7	462 000 *
14.0	81.5	47.7	454 200 *
16.0	79.0	47.3	401 600 *
18.0	76.4	46.8	358 100 *
20.0	73.8	46.2	321 100 *
22.0	71.2	45.6	289 400 *
24.0	68.5	44.8	261 800 *
26.0	65.7	43.9	237 600 *
28.0	62.9	42.9	216 100 *
30.0	60.0	41.8	191 300 *
32.0	57.1	40.5	162 100 *
34.0	54.0	39.1	137 700 *
36.0	50.8	37.5	116 200 *
38.0	47.4	35.7	97 000 *
40.0	43.8	33.6	79 500 *
42.0	40.0	31.3	63 500 *
44.0	35.8	28.7	48 500 *
46.0	31.2	25.5	34 200 *
48.0	25.7	21.7	20 000 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
53.3m (175 Ft.) BOOM			
15.2	81.4	55.2	417 800 *
16.0	80.6	55.1	400 000 *
18.0	78.4	54.6	356 300 *
20.0	76.2	54.2	319 700 *
22.0	73.9	53.6	288 300 *
24.0	71.7	52.9	261 100 *
26.0	69.4	52.2	237 200 *
28.0	67.1	51.4	216 000 *
30.0	64.7	50.4	197 200 *
32.0	62.3	49.4	175 400 *
34.0	59.8	48.3	152 600 *
36.0	57.3	47.0	132 600 *
38.0	54.6	45.6	114 700 *
40.0	51.9	44.0	98 600 *
42.0	49.1	42.3	83 900 *
44.0	46.1	40.5	70 300 *
46.0	43.0	38.4	57 800 *
48.0	39.7	36.0	46 000 *
50.0	36.2	33.4	34 900 *
52.0	32.3	30.4	24 100 *
61.0m (200 Ft.) BOOM			
15.2	82.5	62.9	366 500 *
16.0	81.8	62.8	365 300 *
18.0	79.9	62.4	352 400 *
20.0	77.9	62.0	317 700 *
22.0	76.0	61.5	286 600 *
24.0	74.0	61.0	259 600 *
26.0	72.1	60.3	236 000 *
28.0	70.1	59.6	215 000 *
30.0	68.1	58.8	195 700 *
32.0	66.0	57.9	173 800 *
34.0	63.9	57.0	153 600 *
36.0	61.8	55.9	135 600 *
38.0	59.6	54.7	119 500 *
40.0	57.4	53.5	105 000 *
42.0	55.1	52.1	91 800 *
44.0	52.8	50.6	79 700 *
46.0	50.3	49.0	68 500 *
48.0	47.8	47.2	58 000 *
50.0	45.2	45.2	48 200 *
52.0	42.4	43.1	39 000 *
54.0	39.5	40.7	30 200 *
56.0	36.4	38.1	21 700 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
68.6m (225 Ft.) BOOM			
16.8	82.0	70.4	309 000 *
18.0	81.0	70.2	304 900 *
20.0	79.3	69.8	298 200 *
22.0	77.6	69.4	286 500 *
24.0	75.9	68.9	257 800 *
26.0	74.1	68.3	234 200 *
28.0	72.4	67.7	208 900 *
30.0	70.6	67.0	185 000 *
32.0	68.8	66.2	164 600 *
34.0	67.0	65.4	146 600 *
36.0	65.2	64.5	130 700 *
38.0	63.3	63.5	116 400 *
40.0	61.4	62.4	103 500 *
42.0	59.5	61.2	91 800 *
44.0	57.5	60.0	80 900 *
46.0	55.5	58.6	70 900 *
48.0	53.4	57.1	61 700 *
50.0	51.3	55.6	53 000 *
52.0	49.1	53.8	44 800 *
54.0	46.8	52.0	37 100 *
56.0	44.4	50.0	29 800 *
58.0	42.0	47.8	22 800 *
76.2m (250 Ft.) BOOM			
16.8	82.8	78.1	263 900 *
18.0	81.9	77.9	260 800 *
20.0	80.4	77.6	255 700 *
22.0	78.8	77.2	250 500 *
24.0	77.3	76.7	242 800 *
26.0	75.8	76.2	216 600 *
28.0	74.2	75.7	191 600 *
30.0	72.6	75.0	170 400 *
32.0	71.0	74.4	152 000 *
34.0	69.4	73.6	135 900 *
36.0	67.8	72.8	121 700 *
38.0	66.2	71.9	109 000 *
40.0	64.5	71.0	97 400 *
42.0	62.8	70.0	86 900 *
44.0	61.1	68.9	77 300 *
46.0	59.4	67.7	68 400 *
48.0	57.6	66.5	60 100 *
50.0	55.8	65.1	52 400 *
52.0	53.9	63.7	45 200 *
54.0	52.0	62.1	38 400 *
56.0	50.1	60.5	31 900 *
58.0	48.1	58.7	25 800 *
60.0	46.0	56.8	19 900 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 RINGER

Boom No. 67B - 36.6m Mast No. 49A
Luffing Jib No. 49A-44
13.7m RINGER Attachment on Screw Jack Pedestals
632 810 kg Auxiliary Counterweight
360 Degree Rating

67.1m (220 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
83.8m (275 Ft.) BOOM			
18.3	82.4	85.6	219 200 *
20.0	81.3	85.3	216 100 *
22.0	79.9	84.9	212 300 *
24.0	78.5	84.5	208 200 *
26.0	77.1	84.1	198 600 *
28.0	75.7	83.6	175 200 *
30.0	74.2	83.0	155 800 *
32.0	72.8	82.4	139 100 *
34.0	71.4	81.7	124 400 *
36.0	69.9	81.0	111 500 *
38.0	68.5	80.2	100 000 *
40.0	67.0	79.4	89 500 *
42.0	65.5	78.5	80 000 *
44.0	64.0	77.5	71 300 *
46.0	62.4	76.5	63 300 *
48.0	60.8	75.4	55 900 *
50.0	59.3	74.2	49 000 *
52.0	57.6	72.9	42 500 *
54.0	56.0	71.6	36 400 *
56.0	54.3	70.2	30 600 *
58.0	52.6	68.7	25 200 *
60.0	50.9	67.1	20 000 *
62.0	49.1	65.3	15 000 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
91.4m (300 Ft.) BOOM			
19.8	82.1	93.0	175 900 *
20.0	82.0	93.0	175 900 *
22.0	80.7	92.7	175 900 *
24.0	79.5	92.3	174 700 *
26.0	78.2	91.9	171 700 *
28.0	76.9	91.4	161 400 *
30.0	75.6	90.9	141 900 *
32.0	74.3	90.4	126 300 *
34.0	73.0	89.8	112 800 *
36.0	71.7	89.1	100 800 *
38.0	70.3	88.4	90 100 *
40.0	69.0	87.6	80 500 *
42.0	67.6	86.8	71 900 *
44.0	66.3	85.9	63 900 *
46.0	64.9	85.0	56 600 *
48.0	63.5	84.0	49 900 *
50.0	62.1	83.0	43 600 *
52.0	60.6	81.9	37 800 *
54.0	59.2	80.7	32 200 *
56.0	57.7	79.4	27 000 *
58.0	56.2	78.1	22 100 *
60.0	54.7	76.7	17 400 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
99.1m (325 Ft.) BOOM			
19.8	82.7	100.7	137 500 *
20.0	82.6	100.7	137 500 *
22.0	81.4	100.4	137 500 *
24.0	80.3	100.1	137 500 *
26.0	79.1	99.7	137 500 *
28.0	77.9	99.3	137 500 *
30.0	76.7	98.8	129 400 *
32.0	75.5	98.3	114 700 *
34.0	74.3	97.7	101 900 *
36.0	73.1	97.1	90 800 *
38.0	71.9	96.5	80 800 *
40.0	70.7	95.8	71 900 *
42.0	69.4	95.0	63 800 *
44.0	68.2	94.2	56 400 *
46.0	66.9	93.4	49 700 *
48.0	65.7	92.5	43 400 *
50.0	64.4	91.5	37 600 *
52.0	63.1	90.5	32 300 *
54.0	61.8	89.5	27 200 *
56.0	60.5	88.4	22 500 *
58.0	59.1	87.2	18 000 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 RINGER

Boom No. 67B - 36.6m Mast No. 49A
Luffing Jib No. 49A-44
13.7m RINGER Attachment on Screw Jack Pedestals
632 810 kg Auxiliary Counterweight
360 Degree Rating

73.2m (240 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
38.1m (125 Ft.) BOOM			
12.2	82.6	40.2	505 800 *
14.0	79.8	39.9	448 000 *
16.0	76.7	39.5	395 000 *
18.0	73.6	38.9	350 700 *
20.0	70.4	38.2	313 200 *
22.0	67.2	37.4	280 800 *
24.0	63.8	36.4	252 800 *
26.0	60.4	35.3	216 600 *
28.0	56.8	34.0	177 700 *
30.0	53.1	32.5	145 100 *
32.0	49.1	30.9	117 100 *
34.0	44.9	28.9	92 500 *
36.0	40.4	26.6	70 500 *
38.0	35.4	24.0	50 300 *
40.0	29.6	20.7	31 200 *
45.7m (150 Ft.) BOOM			
13.7	81.9	47.7	454 900 *
14.0	81.5	47.7	447 100 *
16.0	79.0	47.3	394 400 *
18.0	76.4	46.8	350 800 *
20.0	73.8	46.2	313 800 *
22.0	71.2	45.6	281 900 *
24.0	68.5	44.8	254 300 *
26.0	65.7	43.9	230 100 *
28.0	62.9	42.9	207 900 *
30.0	60.0	41.8	180 800 *
32.0	57.1	40.5	152 100 *
34.0	54.0	39.1	127 900 *
36.0	50.8	37.5	106 500 *
38.0	47.4	35.7	87 400 *
40.0	43.8	33.6	70 100 *
42.0	40.0	31.3	54 200 *
44.0	35.8	28.7	39 300 *
46.0	31.2	25.5	25 200 *
53.3m (175 Ft.) BOOM			
15.2	81.4	55.2	411 000 *
16.0	80.6	55.1	393 100 *
18.0	78.4	54.6	349 300 *
20.0	76.2	54.2	312 800 *
22.0	73.9	53.6	281 300 *
24.0	71.7	52.9	254 000 *
26.0	69.4	52.2	230 100 *
28.0	67.1	51.4	209 000 *
30.0	64.7	50.4	189 800 *
32.0	62.3	49.4	166 100 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
53.3m (175 Ft.) BOOM			
34.0	59.8	48.3	143 600 *
36.0	57.3	47.0	123 600 *
38.0	54.6	45.6	105 900 *
40.0	51.9	44.0	89 900 *
42.0	49.1	42.3	75 300 *
44.0	46.1	40.5	61 800 *
46.0	43.0	38.4	49 400 *
48.0	39.7	36.0	37 700 *
50.0	36.2	33.4	26 600 *
61.0m (200 Ft.) BOOM			
15.2	82.5	62.9	359 400 *
16.0	81.8	62.8	358 100 *
18.0	79.9	62.4	345 500 *
20.0	77.9	62.0	311 000 *
22.0	76.0	61.5	279 900 *
24.0	74.0	61.0	252 900 *
26.0	72.1	60.3	229 200 *
28.0	70.1	59.6	208 300 *
30.0	68.1	58.8	187 700 *
32.0	66.0	57.9	165 100 *
34.0	63.9	57.0	145 000 *
36.0	61.8	55.9	127 200 *
38.0	59.6	54.7	111 200 *
40.0	57.4	53.5	96 800 *
42.0	55.1	52.1	83 700 *
44.0	52.8	50.6	71 700 *
46.0	50.3	49.0	60 500 *
48.0	47.8	47.2	50 200 *
50.0	45.2	45.2	40 500 *
52.0	42.4	43.1	31 300 *
54.0	39.5	40.7	22 600 *
68.6m (225 Ft.) BOOM			
16.8	82.0	70.4	302 500 *
18.0	81.0	70.2	298 400 *
20.0	79.3	69.8	291 600 *
22.0	77.6	69.4	279 900 *
24.0	75.9	68.9	251 300 *
26.0	74.1	68.3	227 600 *
28.0	72.4	67.7	200 000 *
30.0	70.6	67.0	176 600 *
32.0	68.8	66.2	156 300 *
34.0	67.0	65.4	138 500 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
68.6m (225 Ft.) BOOM			
36.0	65.2	64.5	122 700 *
38.0	63.3	63.5	108 600 *
40.0	61.4	62.4	95 700 *
42.0	59.5	61.2	84 100 *
44.0	57.5	60.0	73 300 *
46.0	55.5	58.6	63 400 *
48.0	53.4	57.1	54 200 *
50.0	51.3	55.6	45 600 *
52.0	49.1	53.8	37 600 *
54.0	46.8	52.0	29 900 *
56.0	44.4	50.0	22 600 *
76.2m (250 Ft.) BOOM			
16.8	82.8	78.1	257 300 *
18.0	81.9	77.9	254 200 *
20.0	80.4	77.6	249 100 *
22.0	78.8	77.2	243 800 *
24.0	77.3	76.7	234 700 *
26.0	75.8	76.2	208 100 *
28.0	74.2	75.7	183 300 *
30.0	72.6	75.0	162 300 *
32.0	71.0	74.4	144 100 *
34.0	69.4	73.6	128 200 *
36.0	67.8	72.8	114 000 *
38.0	66.2	71.9	101 400 *
40.0	64.5	71.0	90 000 *
42.0	62.8	70.0	79 600 *
44.0	61.1	68.9	70 000 *
46.0	59.4	67.7	61 200 *
48.0	57.6	66.5	53 000 *
50.0	55.8	65.1	45 400 *
52.0	53.9	63.7	38 200 *
54.0	52.0	62.1	31 400 *
56.0	50.1	60.5	25 000 *
58.0	48.1	58.7	18 900 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 RINGER

Boom No. 67B - 36.6m Mast No. 49A
Luffing Jib No. 49A-44
13.7m RINGER Attachment on Screw Jack Pedestals
632 810 kg Auxiliary Counterweight
360 Degree Rating

73.2m (240 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
83.8m (275 Ft.) BOOM			
18.3	82.4	85.6	212 700 *
20.0	81.3	85.3	209 600 *
22.0	79.9	84.9	205 700 *
24.0	78.5	84.5	201 600 *
26.0	77.1	84.1	190 300 *
28.0	75.7	83.6	167 200 *
30.0	74.2	83.0	148 000 *
32.0	72.8	82.4	131 400 *
34.0	71.4	81.7	116 900 *
36.0	69.9	81.0	104 100 *
38.0	68.5	80.2	92 700 *
40.0	67.0	79.4	82 400 *
42.0	65.5	78.5	73 000 *
44.0	64.0	77.5	64 300 *
46.0	62.4	76.5	56 400 *
48.0	60.8	75.4	49 100 *
50.0	59.3	74.2	42 200 *
52.0	57.6	72.9	35 800 *
54.0	56.0	71.6	29 700 *
56.0	54.3	70.2	24 100 *
58.0	52.6	68.7	18 600 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
91.4m (300 Ft.) BOOM			
19.8	82.1	93.0	169 600 *
20.0	82.0	93.0	169 600 *
22.0	80.7	92.7	169 600 *
24.0	79.5	92.3	168 300 *
26.0	78.2	91.9	165 200 *
28.0	76.9	91.4	153 400 *
30.0	75.6	90.9	134 300 *
32.0	74.3	90.4	119 000 *
34.0	73.0	89.8	105 500 *
36.0	71.7	89.1	93 700 *
38.0	70.3	88.4	83 100 *
40.0	69.0	87.6	73 600 *
42.0	67.6	86.8	65 000 *
44.0	66.3	85.9	57 200 *
46.0	64.9	85.0	50 000 *
48.0	63.5	84.0	43 200 *
50.0	62.1	83.0	37 100 *
52.0	60.6	81.9	31 200 *
54.0	59.2	80.7	25 800 *
56.0	57.7	79.4	20 600 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
99.1m (325 Ft.) BOOM			
19.8	82.7	100.7	131 500 *
20.0	82.6	100.7	131 500 *
22.0	81.4	100.4	131 500 *
24.0	80.3	100.1	131 500 *
26.0	79.1	99.7	131 500 *
28.0	77.9	99.3	131 100 *
30.0	76.7	98.8	123 400 *
32.0	75.5	98.3	107 500 *
34.0	74.3	97.7	94 900 *
36.0	73.1	97.1	83 900 *
38.0	71.9	96.5	74 000 *
40.0	70.7	95.8	65 200 *
42.0	69.4	95.0	57 200 *
44.0	68.2	94.2	49 900 *
46.0	66.9	93.4	43 200 *
48.0	65.7	92.5	37 000 *
50.0	64.4	91.5	31 300 *
52.0	63.1	90.5	26 000 *
54.0	61.8	89.5	21 000 *
56.0	60.5	88.4	16 300 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 RINGER

Boom No. 67B - 36.6m Mast No. 49A
Luffing Jib No. 49A-44
13.7m RINGER Attachment on Screw Jack Pedestals
632 810 kg Auxiliary Counterweight
360 Degree Rating

79.2m (260 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
38.1m (125 Ft.) BOOM			
12.2	82.6	40.2	496 800 *
14.0	79.8	39.9	438 800 *
16.0	76.7	39.5	385 700 *
18.0	73.6	38.9	341 200 *
20.0	70.4	38.2	303 500 *
22.0	67.2	37.4	271 000 *
24.0	63.8	36.4	242 900 *
26.0	60.4	35.3	202 400 *
28.0	56.8	34.0	163 900 *
30.0	53.1	32.5	131 600 *
32.0	49.1	30.9	103 800 *
34.0	44.9	28.9	79 400 *
36.0	40.4	26.6	57 600 *
38.0	35.4	24.0	37 600 *
45.7m (150 Ft.) BOOM			
13.7	81.9	47.7	446 000 *
14.0	81.5	47.7	438 200 *
16.0	79.0	47.3	385 300 *
18.0	76.4	46.8	341 600 *
20.0	73.8	46.2	304 600 *
22.0	71.2	45.6	272 700 *
24.0	68.5	44.8	245 000 *
26.0	65.7	43.9	220 700 *
28.0	62.9	42.9	197 700 *
30.0	60.0	41.8	168 100 *
32.0	57.1	40.5	140 000 *
34.0	54.0	39.1	116 000 *
36.0	50.8	37.5	94 800 *
38.0	47.4	35.7	75 800 *
40.0	43.8	33.6	58 700 *
42.0	40.0	31.3	42 900 *
44.0	35.8	28.7	28 100 *
53.3m (175 Ft.) BOOM			
15.2	81.4	55.2	402 500 *
16.0	80.6	55.1	384 600 *
18.0	78.4	54.6	340 700 *
20.0	76.2	54.2	304 100 *
22.0	73.9	53.6	272 600 *
24.0	71.7	52.9	245 300 *
26.0	69.4	52.2	221 400 *
28.0	67.1	51.4	200 200 *
30.0	64.7	50.4	179 400 *
32.0	62.3	49.4	154 800 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
53.3m (175 Ft.) BOOM			
34.0	59.8	48.3	132 500 *
36.0	57.3	47.0	112 700 *
38.0	54.6	45.6	95 100 *
40.0	51.9	44.0	79 200 *
42.0	49.1	42.3	64 700 *
44.0	46.1	40.5	51 400 *
46.0	43.0	38.4	39 000 *
48.0	39.7	36.0	27 400 *
50.0	36.2	33.4	16 500 *
61.0m (200 Ft.) BOOM			
15.2	82.5	62.9	352 100 *
16.0	81.8	62.8	350 700 *
18.0	79.9	62.4	337 400 *
20.0	77.9	62.0	302 700 *
22.0	76.0	61.5	271 500 *
24.0	74.0	61.0	244 500 *
26.0	72.1	60.3	220 900 *
28.0	70.1	59.6	199 800 *
30.0	68.1	58.8	177 700 *
32.0	66.0	57.9	154 400 *
34.0	63.9	57.0	134 500 *
36.0	61.8	55.9	116 900 *
38.0	59.6	54.7	101 100 *
40.0	57.4	53.5	86 800 *
42.0	55.1	52.1	73 700 *
44.0	52.8	50.6	61 800 *
46.0	50.3	49.0	50 800 *
48.0	47.8	47.2	40 500 *
50.0	45.2	45.2	30 900 *
52.0	42.4	43.1	21 800 *
68.6m (225 Ft.) BOOM			
16.8	82.0	70.4	295 900 *
18.0	81.0	70.2	291 700 *
20.0	79.3	69.8	284 800 *
22.0	77.6	69.4	272 200 *
24.0	75.9	68.9	243 200 *
26.0	74.1	68.3	216 800 *
28.0	72.4	67.7	189 400 *
30.0	70.6	67.0	166 200 *
32.0	68.8	66.2	146 200 *
34.0	67.0	65.4	128 600 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
68.6m (225 Ft.) BOOM			
36.0	65.2	64.5	112 900 *
38.0	63.3	63.5	98 900 *
40.0	61.4	62.4	86 200 *
42.0	59.5	61.2	74 600 *
44.0	57.5	60.0	64 000 *
46.0	55.5	58.6	54 200 *
48.0	53.4	57.1	45 000 *
50.0	51.3	55.6	36 500 *
52.0	49.1	53.8	28 500 *
54.0	46.8	52.0	20 900 *
76.2m (250 Ft.) BOOM			
16.8	82.8	78.1	247 300 *
18.0	81.9	77.9	244 200 *
20.0	80.4	77.6	239 100 *
22.0	78.8	77.2	233 900 *
24.0	77.3	76.7	224 300 *
26.0	75.8	76.2	197 700 *
28.0	74.2	75.7	173 100 *
30.0	72.6	75.0	152 300 *
32.0	71.0	74.4	134 400 *
34.0	69.4	73.6	118 600 *
36.0	67.8	72.8	104 700 *
38.0	66.2	71.9	92 100 *
40.0	64.5	71.0	80 800 *
42.0	62.8	70.0	70 500 *
44.0	61.1	68.9	61 100 *
46.0	59.4	67.7	52 300 *
48.0	57.6	66.5	44 200 *
50.0	55.8	65.1	36 600 *
52.0	53.9	63.7	29 500 *
54.0	52.0	62.1	22 800 *
56.0	50.1	60.5	16 500 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 RINGER

Boom No. 67B - 36.6m Mast No. 49A

Luffing Jib No. 49A-44

13.7m RINGER Attachment on Screw Jack Pedestals

632 810 kg Auxiliary Counterweight

360 Degree Rating

79.2m (260 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
83.8m (275 Ft.) BOOM			
18.3	82.4	85.6	206 000 *
20.0	81.3	85.3	202 800 *
22.0	79.9	84.9	198 900 *
24.0	78.5	84.5	194 900 *
26.0	77.1	84.1	180 100 *
28.0	75.7	83.6	157 400 *
30.0	74.2	83.0	138 400 *
32.0	72.8	82.4	122 000 *
34.0	71.4	81.7	107 700 *
36.0	69.9	81.0	95 000 *
38.0	68.5	80.2	83 700 *
40.0	67.0	79.4	73 500 *
42.0	65.5	78.5	64 200 *
44.0	64.0	77.5	55 700 *
46.0	62.4	76.5	47 900 *
48.0	60.8	75.4	40 600 *
50.0	59.3	74.2	33 800 *
52.0	57.6	72.9	27 500 *
54.0	56.0	71.6	21 500 *
56.0	54.3	70.2	15 800 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
91.4m (300 Ft.) BOOM			
19.8	82.1	93.0	163 200 *
20.0	82.0	93.0	163 200 *
22.0	80.7	92.7	163 200 *
24.0	79.5	92.3	161 700 *
26.0	78.2	91.9	158 400 *
28.0	76.9	91.4	143 500 *
30.0	75.6	90.9	125 000 *
32.0	74.3	90.4	109 800 *
34.0	73.0	89.8	96 600 *
36.0	71.7	89.1	84 800 *
38.0	70.3	88.4	74 500 *
40.0	69.0	87.6	65 100 *
42.0	67.6	86.8	56 600 *
44.0	66.3	85.9	48 800 *
46.0	64.9	85.0	41 700 *
48.0	63.5	84.0	35 100 *
50.0	62.1	83.0	28 900 *
52.0	60.6	81.9	23 200 *
54.0	59.2	80.7	17 800 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 RINGER

Boom No. 67B - 36.6m Mast No. 49A

Luffing Jib No. 49A-44

13.7m RINGER Attachment on Screw Jack Pedestals

632 810 kg Auxiliary Counterweight

360 Degree Rating

85.3m (280 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
38.1m (125 Ft.) BOOM			
12.2	82.6	40.2	488 900 *
14.0	79.8	39.9	430 700 *
16.0	76.7	39.5	377 300 *
18.0	73.6	38.9	332 700 *
20.0	70.4	38.2	294 800 *
22.0	67.2	37.4	262 300 *
24.0	63.8	36.4	232 100 *
26.0	60.4	35.3	189 500 *
28.0	56.8	34.0	151 400 *
30.0	53.1	32.5	119 300 *
32.0	49.1	30.9	91 700 *
34.0	44.9	28.9	67 500 *
36.0	40.4	26.6	45 900 *
38.0	35.4	24.0	26 100 *
45.7m (150 Ft.) BOOM			
13.7	81.9	47.7	438 300 *
14.0	81.5	47.7	430 500 *
16.0	79.0	47.3	377 500 *
18.0	76.4	46.8	333 700 *
20.0	73.8	46.2	296 600 *
22.0	71.2	45.6	264 600 *
24.0	68.5	44.8	236 900 *
26.0	65.7	43.9	212 600 *
28.0	62.9	42.9	188 700 *
30.0	60.0	41.8	156 600 *
32.0	57.1	40.5	129 000 *
34.0	54.0	39.1	105 200 *
36.0	50.8	37.5	84 100 *
38.0	47.4	35.7	65 300 *
40.0	43.8	33.6	48 300 *
42.0	40.0	31.3	32 700 *
44.0	35.8	28.7	18 100 *
53.3m (175 Ft.) BOOM			
15.2	81.4	55.2	395 000 *
16.0	80.6	55.1	377 000 *
18.0	78.4	54.6	333 100 *
20.0	76.2	54.2	296 500 *
22.0	73.9	53.6	265 000 *
24.0	71.7	52.9	237 600 *
26.0	69.4	52.2	213 700 *
28.0	67.1	51.4	192 500 *
30.0	64.7	50.4	170 200 *
32.0	62.3	49.4	144 600 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
53.3m (175 Ft.) BOOM			
34.0	59.8	48.3	122 400 *
36.0	57.3	47.0	102 800 *
38.0	54.6	45.6	85 400 *
40.0	51.9	44.0	69 600 *
42.0	49.1	42.3	55 200 *
44.0	46.1	40.5	42 000 *
46.0	43.0	38.4	29 800 *
48.0	39.7	36.0	18 300 *
61.0m (200 Ft.) BOOM			
15.2	82.5	62.9	344 600 *
16.0	81.8	62.8	343 100 *
18.0	79.9	62.4	330 000 *
20.0	77.9	62.0	295 400 *
22.0	76.0	61.5	264 200 *
24.0	74.0	61.0	237 200 *
26.0	72.1	60.3	213 600 *
28.0	70.1	59.6	191 900 *
30.0	68.1	58.8	167 600 *
32.0	66.0	57.9	144 800 *
34.0	63.9	57.0	125 100 *
36.0	61.8	55.9	107 600 *
38.0	59.6	54.7	92 000 *
40.0	57.4	53.5	77 800 *
42.0	55.1	52.1	64 900 *
44.0	52.8	50.6	53 000 *
46.0	50.3	49.0	42 100 *
48.0	47.8	47.2	31 900 *
50.0	45.2	45.2	22 400 *
68.6m (225 Ft.) BOOM			
16.8	82.0	70.4	289 300 *
18.0	81.0	70.2	285 000 *
20.0	79.3	69.8	277 900 *
22.0	77.6	69.4	265 200 *
24.0	75.9	68.9	236 200 *
26.0	74.1	68.3	207 000 *
28.0	72.4	67.7	179 900 *
30.0	70.6	67.0	157 000 *
32.0	68.8	66.2	137 100 *
34.0	67.0	65.4	119 600 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
68.6m (225 Ft.) BOOM			
36.0	65.2	64.5	104 100 *
38.0	63.3	63.5	90 200 *
40.0	61.4	62.4	77 700 *
42.0	59.5	61.2	66 200 *
44.0	57.5	60.0	55 700 *
46.0	55.5	58.6	46 000 *
48.0	53.4	57.1	36 900 *
50.0	51.3	55.6	28 500 *
52.0	49.1	53.8	20 600 *
76.2m (250 Ft.) BOOM			
16.8	82.8	78.1	240 700 *
18.0	81.9	77.9	237 500 *
20.0	80.4	77.6	232 400 *
22.0	78.8	77.2	227 100 *
24.0	77.3	76.7	215 600 *
26.0	75.8	76.2	188 300 *
28.0	74.2	75.7	164 000 *
30.0	72.6	75.0	143 400 *
32.0	71.0	74.4	125 700 *
34.0	69.4	73.6	110 100 *
36.0	67.8	72.8	96 300 *
38.0	66.2	71.9	83 900 *
40.0	64.5	71.0	72 700 *
42.0	62.8	70.0	62 500 *
44.0	61.1	68.9	53 100 *
46.0	59.4	67.7	44 500 *
48.0	57.6	66.5	36 500 *
50.0	55.8	65.1	29 000 *
52.0	53.9	63.7	22 000 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 RINGER

Boom No. 67B - 36.6m Mast No. 49A

Luffing Jib No. 49A-44

13.7m RINGER Attachment on Screw Jack Pedestals

632 810 kg Auxiliary Counterweight

360 Degree Rating

85.3m (280 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
83.8m (275 Ft.) BOOM			
18.3	82.4	85.6	199 300 *
20.0	81.3	85.3	196 100 *
22.0	79.9	84.9	192 200 *
24.0	78.5	84.5	188 000 *
26.0	77.1	84.1	171 000 *
28.0	75.7	83.6	148 600 *
30.0	74.2	83.0	129 800 *
32.0	72.8	82.4	113 700 *
34.0	71.4	81.7	99 500 *
36.0	69.9	81.0	87 000 *
38.0	68.5	80.2	75 800 *
40.0	67.0	79.4	65 700 *
42.0	65.5	78.5	56 500 *
44.0	64.0	77.5	48 100 *
46.0	62.4	76.5	40 400 *
48.0	60.8	75.4	33 200 *
50.0	59.3	74.2	26 400 *
52.0	57.6	72.9	20 200 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
91.4m (300 Ft.) BOOM			
19.8	82.1	93.0	157 000 *
20.0	82.0	93.0	157 000 *
22.0	80.7	92.7	156 900 *
24.0	79.5	92.3	155 300 *
26.0	78.2	91.9	151 700 *
28.0	76.9	91.4	134 800 *
30.0	75.6	90.9	116 800 *
32.0	74.3	90.4	101 800 *
34.0	73.0	89.8	88 600 *
36.0	71.7	89.1	77 100 *
38.0	70.3	88.4	66 800 *
40.0	69.0	87.6	57 600 *
42.0	67.6	86.8	49 200 *
44.0	66.3	85.9	41 500 *
46.0	64.9	85.0	34 400 *
48.0	63.5	84.0	27 900 *
50.0	62.1	83.0	21 800 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 RINGER

Boom No. 67B - 36.6m Mast No. 49A

Luffing Jib No. 49A-44

13.7m RINGER Attachment on Screw Jack Pedestals

632 810 kg Auxiliary Counterweight

360 Degree Rating

91.4m (300 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
38.1m (125 Ft.) BOOM			
12.2	82.6	40.2	479 000 *
14.0	79.8	39.9	420 600 *
16.0	76.7	39.5	367 000 *
18.0	73.6	38.9	322 200 *
20.0	70.4	38.2	284 200 *
22.0	67.2	37.4	251 600 *
24.0	63.8	36.4	218 000 *
26.0	60.4	35.3	174 000 *
28.0	56.8	34.0	136 300 *
30.0	53.1	32.5	104 500 *
32.0	49.1	30.9	77 200 *
34.0	44.9	28.9	53 200 *
36.0	40.4	26.6	31 800 *
45.7m (150 Ft.) BOOM			
13.7	81.9	47.7	428 900 *
14.0	81.5	47.7	421 000 *
16.0	79.0	47.3	367 900 *
18.0	76.4	46.8	324 000 *
20.0	73.8	46.2	286 800 *
22.0	71.2	45.6	254 700 *
24.0	68.5	44.8	226 900 *
26.0	65.7	43.9	202 500 *
28.0	62.9	42.9	175 800 *
30.0	60.0	41.8	142 900 *
32.0	57.1	40.5	115 800 *
34.0	54.0	39.1	92 200 *
36.0	50.8	37.5	71 300 *
38.0	47.4	35.7	52 700 *
40.0	43.8	33.6	35 800 *
42.0	40.0	31.3	20 300 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
53.3m (175 Ft.) BOOM			
15.2	81.4	55.2	385 800 *
16.0	80.6	55.1	367 900 *
18.0	78.4	54.6	323 900 *
20.0	76.2	54.2	287 200 *
22.0	73.9	53.6	255 600 *
24.0	71.7	52.9	228 300 *
26.0	69.4	52.2	204 200 *
28.0	67.1	51.4	182 600 *
30.0	64.7	50.4	158 100 *
32.0	62.3	49.4	132 300 *
34.0	59.8	48.3	110 400 *
36.0	57.3	47.0	90 900 *
38.0	54.6	45.6	73 600 *
40.0	51.9	44.0	58 000 *
42.0	49.1	42.3	43 800 *
44.0	46.1	40.5	30 700 *
61.0m (200 Ft.) BOOM			
15.2	82.5	62.9	336 400 *
16.0	81.8	62.8	334 800 *
18.0	79.9	62.4	321 100 *
20.0	77.9	62.0	286 400 *
22.0	76.0	61.5	255 300 *
24.0	74.0	61.0	228 200 *
26.0	72.1	60.3	204 600 *
28.0	70.1	59.6	182 000 *
30.0	68.1	58.8	155 500 *
32.0	66.0	57.9	133 300 *
34.0	63.9	57.0	113 800 *
36.0	61.8	55.9	96 400 *
38.0	59.6	54.7	80 900 *
40.0	57.4	53.5	66 900 *
42.0	55.1	52.1	54 100 *
44.0	52.8	50.6	42 400 *
46.0	50.3	49.0	31 500 *
48.0	47.8	47.2	21 500 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
68.6m (225 Ft.) BOOM			
16.8	82.0	70.4	281 700 *
18.0	81.0	70.2	277 400 *
20.0	79.3	69.8	270 200 *
22.0	77.6	69.4	256 400 *
24.0	75.9	68.9	225 800 *
26.0	74.1	68.3	195 100 *
28.0	72.4	67.7	168 400 *
30.0	70.6	67.0	145 700 *
32.0	68.8	66.2	126 100 *
34.0	67.0	65.4	108 800 *
36.0	65.2	64.5	93 500 *
38.0	63.3	63.5	79 800 *
40.0	61.4	62.4	67 300 *
42.0	59.5	61.2	56 000 *
44.0	57.5	60.0	45 600 *
46.0	55.5	58.6	36 000 *
48.0	53.4	57.1	27 000 *
50.0	51.3	55.6	18 600 *
76.2m (250 Ft.) BOOM			
16.8	82.8	78.1	233 200 *
18.0	81.9	77.9	230 100 *
20.0	80.4	77.6	224 800 *
22.0	78.8	77.2	219 500 *
24.0	77.3	76.7	205 300 *
26.0	75.8	76.2	176 900 *
28.0	74.2	75.7	153 000 *
30.0	72.6	75.0	132 700 *
32.0	71.0	74.4	115 100 *
34.0	69.4	73.6	99 700 *
36.0	67.8	72.8	86 100 *
38.0	66.2	71.9	73 900 *
40.0	64.5	71.0	62 800 *
42.0	62.8	70.0	52 700 *
44.0	61.1	68.9	43 500 *
46.0	59.4	67.7	34 900 *
48.0	57.6	66.5	27 000 *
50.0	55.8	65.1	19 600 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 RINGER

Boom No. 67B - 36.6m Mast No. 49A

Luffing Jib No. 49A-44

13.7m RINGER Attachment on Screw Jack Pedestals

632 810 kg Auxiliary Counterweight

360 Degree Rating

91.4m (300 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
83.8m (275 Ft.) BOOM			
18.3	82.4	85.6	191 600 *
20.0	81.3	85.3	188 400 *
22.0	79.9	84.9	184 500 *
24.0	78.5	84.5	180 300 *
26.0	77.1	84.1	159 900 *
28.0	75.7	83.6	138 000 *
30.0	74.2	83.0	119 400 *
32.0	72.8	82.4	103 500 *
34.0	71.4	81.7	89 500 *
36.0	69.9	81.0	77 200 *
38.0	68.5	80.2	66 200 *
40.0	67.0	79.4	56 200 *
42.0	65.5	78.5	47 100 *
44.0	64.0	77.5	38 800 *
46.0	62.4	76.5	31 200 *
48.0	60.8	75.4	24 000 *
50.0	59.3	74.2	17 400 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
91.4m (300 Ft.) BOOM			
19.8	82.1	93.0	150 100 *
20.0	82.0	93.0	150 100 *
22.0	80.7	92.7	149 800 *
24.0	79.5	92.3	147 700 *
26.0	78.2	91.9	144 000 *
28.0	76.9	91.4	124 000 *
30.0	75.6	90.9	106 700 *
32.0	74.3	90.4	91 900 *
34.0	73.0	89.8	79 000 *
36.0	71.7	89.1	67 600 *
38.0	70.3	88.4	57 400 *
40.0	69.0	87.6	48 300 *
42.0	67.6	86.8	40 100 *
44.0	66.3	85.9	32 500 *
46.0	64.9	85.0	25 500 *
48.0	63.5	84.0	19 100 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 RINGER

Boom No. 67B - 36.6m Mast No. 49A
Luffing Jib No. 49A-44
13.7m RINGER Attachment on Screw Jack Pedestals
632 810 kg Auxiliary Counterweight
360 Degree Rating

97.5m (320 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
38.1m (125 Ft.) BOOM			
12.2	82.6	40.2	470 500 *
14.0	79.8	39.9	411 800 *
16.0	76.7	39.5	357 900 *
18.0	73.6	38.9	313 000 *
20.0	70.4	38.2	274 900 *
22.0	67.2	37.4	242 100 *
24.0	63.8	36.4	205 300 *
26.0	60.4	35.3	159 900 *
28.0	56.8	34.0	122 500 *
30.0	53.1	32.5	91 000 *
32.0	49.1	30.9	64 000 *
34.0	44.9	28.9	39 600 *
45.7m (150 Ft.) BOOM			
13.7	81.9	47.7	420 500 *
14.0	81.5	47.7	412 700 *
16.0	79.0	47.3	359 400 *
18.0	76.4	46.8	315 400 *
20.0	73.8	46.2	278 000 *
22.0	71.2	45.6	245 900 *
24.0	68.5	44.8	218 100 *
26.0	65.7	43.9	193 500 *
28.0	62.9	42.9	162 800 *
30.0	60.0	41.8	130 700 *
32.0	57.1	40.5	103 800 *
34.0	54.0	39.1	80 300 *
36.0	50.8	37.5	59 700 *
38.0	47.4	35.7	41 200 *
53.3m (175 Ft.) BOOM			
15.2	81.4	55.2	377 700 *
16.0	80.6	55.1	359 700 *
18.0	78.4	54.6	315 700 *
20.0	76.2	54.2	278 900 *
22.0	73.9	53.6	247 400 *
24.0	71.7	52.9	220 000 *
26.0	69.4	52.2	195 900 *
28.0	67.1	51.4	173 500 *
30.0	64.7	50.4	146 400 *
32.0	62.3	49.4	121 200 *
34.0	59.8	48.3	99 400 *
36.0	57.3	47.0	80 200 *
38.0	54.6	45.6	63 000 *
40.0	51.9	44.0	47 600 *
42.0	49.1	42.3	33 500 *
44.0	46.1	40.5	20 600 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
61.0m (200 Ft.) BOOM			
15.2	82.5	62.9	328 400 *
16.0	81.8	62.8	326 700 *
18.0	79.9	62.4	313 100 *
20.0	77.9	62.0	278 500 *
22.0	76.0	61.5	247 400 *
24.0	74.0	61.0	220 400 *
26.0	72.1	60.3	196 600 *
28.0	70.1	59.6	170 800 *
30.0	68.1	58.8	144 800 *
32.0	66.0	57.9	122 800 *
34.0	63.9	57.0	103 600 *
36.0	61.8	55.9	86 400 *
38.0	59.6	54.7	71 000 *
40.0	57.4	53.5	57 100 *
42.0	55.1	52.1	44 500 *
44.0	52.8	50.6	32 900 *
46.0	50.3	49.0	22 200 *
68.6m (225 Ft.) BOOM			
16.8	82.0	70.4	274 600 *
18.0	81.0	70.2	270 100 *
20.0	79.3	69.8	262 800 *
22.0	77.6	69.4	248 800 *
24.0	75.9	68.9	216 000 *
26.0	74.1	68.3	184 400 *
28.0	72.4	67.7	158 100 *
30.0	70.6	67.0	135 700 *
32.0	68.8	66.2	116 200 *
34.0	67.0	65.4	99 200 *
36.0	65.2	64.5	84 000 *
38.0	63.3	63.5	70 400 *
40.0	61.4	62.4	58 100 *
42.0	59.5	61.2	46 900 *
44.0	57.5	60.0	36 600 *
46.0	55.5	58.6	27 100 *
48.0	53.4	57.1	18 200 *
76.2m (250 Ft.) BOOM			
16.8	82.8	78.1	226 200 *
18.0	81.9	77.9	222 900 *
20.0	80.4	77.6	217 600 *
22.0	78.8	77.2	212 100 *
24.0	77.3	76.7	195 900 *
26.0	75.8	76.2	166 700 *
28.0	74.2	75.7	143 100 *
30.0	72.6	75.0	123 000 *
32.0	71.0	74.4	105 700 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
76.2m (250 Ft.) BOOM			
34.0	69.4	73.6	90 500 *
36.0	67.8	72.8	77 000 *
38.0	66.2	71.9	64 900 *
40.0	64.5	71.0	54 000 *
42.0	62.8	70.0	44 100 *
44.0	61.1	68.9	34 900 *
46.0	59.4	67.7	26 500 *
48.0	57.6	66.5	18 600 *
83.8m (275 Ft.) BOOM			
18.3	82.4	85.6	184 400 *
20.0	81.3	85.3	181 100 *
22.0	79.9	84.9	177 100 *
24.0	78.5	84.5	172 000 *
26.0	77.1	84.1	150 000 *
28.0	75.7	83.6	128 400 *
30.0	74.2	83.0	110 200 *
32.0	72.8	82.4	94 400 *
34.0	71.4	81.7	80 600 *
36.0	69.9	81.0	68 500 *
38.0	68.5	80.2	57 600 *
40.0	67.0	79.4	47 800 *
42.0	65.5	78.5	38 800 *
44.0	64.0	77.5	30 600 *
46.0	62.4	76.5	23 100 *
91.4m (300 Ft.) BOOM			
19.8	82.1	93.0	143 600 *
20.0	82.0	93.0	143 600 *
22.0	80.7	92.7	142 900 *
24.0	79.5	92.3	140 400 *
26.0	78.2	91.9	135 300 *
28.0	76.9	91.4	114 700 *
30.0	75.6	90.9	97 700 *
32.0	74.3	90.4	83 200 *
34.0	73.0	89.8	70 400 *
36.0	71.7	89.1	59 200 *
38.0	70.3	88.4	49 200 *
40.0	69.0	87.6	40 200 *
42.0	67.6	86.8	32 000 *
44.0	66.3	85.9	24 600 *
46.0	64.9	85.0	17 700 *