

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
393 310 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 393 310 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-BM** 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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393 310 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
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	421 500
18.0	73.6	38.9	344 700
20.0	70.4	38.2	285 200
22.0	67.2	37.4	241 500
24.0	63.8	36.4	207 700
26.0	60.4	35.3	180 800
28.0	56.8	34.0	158 700
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	419 300
18.0	76.4	46.8	345 000
20.0	73.8	46.2	285 100
22.0	71.2	45.6	241 300
24.0	68.5	44.8	207 500
26.0	65.7	43.9	180 500
28.0	62.9	42.9	158 500
30.0	60.0	41.8	140 100
32.0	57.1	40.5	124 600
53.3m (175 Ft.) BOOM			
15.2	81.4	55.2	431 300 *
16.0	80.6	55.1	411 300
18.0	78.4	54.6	346 300
20.0	76.2	54.2	285 100
22.0	73.9	53.6	241 300
24.0	71.7	52.9	207 300
26.0	69.4	52.2	180 300
28.0	67.1	51.4	158 100
30.0	64.7	50.4	139 600
32.0	62.3	49.4	124 100
34.0	59.8	48.3	110 700
36.0	57.3	47.0	99 200

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	344 500
20.0	77.9	62.0	284 400
22.0	76.0	61.5	240 500
24.0	74.0	61.0	206 500
26.0	72.1	60.3	179 400
28.0	70.1	59.6	157 200
30.0	68.1	58.8	138 800
32.0	66.0	57.9	123 200
34.0	63.9	57.0	109 900
36.0	61.8	55.9	98 300
38.0	59.6	54.7	88 200
40.0	57.4	53.5	79 300
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	284 800
22.0	77.6	69.4	239 900
24.0	75.9	68.9	205 900
26.0	74.1	68.3	178 700
28.0	72.4	67.7	156 500
30.0	70.6	67.0	138 000
32.0	68.8	66.2	122 400
34.0	67.0	65.4	109 000
36.0	65.2	64.5	97 400
38.0	63.3	63.5	87 300
40.0	61.4	62.4	78 400
42.0	59.5	61.2	70 400
44.0	57.5	60.0	63 300
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	266 100
22.0	78.8	77.2	241 700
24.0	77.3	76.7	205 000
26.0	75.8	76.2	177 800
28.0	74.2	75.7	155 500
30.0	72.6	75.0	137 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
76.2m (250 Ft.) BOOM			
32.0	71.0	74.4	121 400
34.0	69.4	73.6	107 900
36.0	67.8	72.8	96 300
38.0	66.2	71.9	86 200
40.0	64.5	71.0	77 300
42.0	62.8	70.0	69 300
44.0	61.1	68.9	62 200
46.0	59.4	67.7	54 800 *
48.0	57.6	66.5	47 900 *
50.0	55.8	65.1	41 600 *
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	206 500
26.0	77.1	84.1	177 000
28.0	75.7	83.6	154 700
30.0	74.2	83.0	136 100
32.0	72.8	82.4	120 500
34.0	71.4	81.7	107 000
36.0	69.9	81.0	95 400
38.0	68.5	80.2	85 200
40.0	67.0	79.4	76 300
42.0	65.5	78.5	68 300
44.0	64.0	77.5	61 200
46.0	62.4	76.5	53 700 *
48.0	60.8	75.4	46 800 *
50.0	59.3	74.2	40 500 *
52.0	57.6	72.9	34 700 *
54.0	56.0	71.6	29 500 *

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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
393 310 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	414 100
18.0	73.6	38.9	336 500
20.0	70.4	38.2	277 300
22.0	67.2	37.4	233 900
24.0	63.8	36.4	200 300
26.0	60.4	35.3	173 500
28.0	56.8	34.0	151 600
30.0	53.1	32.5	133 400
32.0	49.1	30.9	118 100
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	412 200
18.0	76.4	46.8	337 400
20.0	73.8	46.2	277 800
22.0	71.2	45.6	234 300
24.0	68.5	44.8	200 600
26.0	65.7	43.9	173 800
28.0	62.9	42.9	151 900
30.0	60.0	41.8	133 600
32.0	57.1	40.5	118 200
34.0	54.0	39.1	105 100
36.0	50.8	37.5	93 700
38.0	47.4	35.7	83 700
53.3m (175 Ft.) BOOM			
15.2	81.4	55.2	424 800 *
16.0	80.6	55.1	404 400
18.0	78.4	54.6	339 000
20.0	76.2	54.2	278 300
22.0	73.9	53.6	234 600
24.0	71.7	52.9	200 800
26.0	69.4	52.2	173 900
28.0	67.1	51.4	151 800
30.0	64.7	50.4	133 500
32.0	62.3	49.4	118 000
34.0	59.8	48.3	104 800
36.0	57.3	47.0	93 300
38.0	54.6	45.6	83 300
40.0	51.9	44.0	74 500
42.0	49.1	42.3	66 400
44.0	46.1	40.5	58 200 *

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	337 900
20.0	77.9	62.0	277 800
22.0	76.0	61.5	234 100
24.0	74.0	61.0	200 300
26.0	72.1	60.3	173 400
28.0	70.1	59.6	151 300
30.0	68.1	58.8	132 900
32.0	66.0	57.9	117 500
34.0	63.9	57.0	104 200
36.0	61.8	55.9	92 700
38.0	59.6	54.7	82 700
40.0	57.4	53.5	73 800
42.0	55.1	52.1	65 700
44.0	52.8	50.6	57 500 *
46.0	50.3	49.0	50 000 *
48.0	47.8	47.2	43 300 *
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	278 500
22.0	77.6	69.4	233 800
24.0	75.9	68.9	199 900
26.0	74.1	68.3	172 900
28.0	72.4	67.7	150 800
30.0	70.6	67.0	132 400
32.0	68.8	66.2	116 900
34.0	67.0	65.4	103 600
36.0	65.2	64.5	92 000
38.0	63.3	63.5	82 000
40.0	61.4	62.4	73 100
42.0	59.5	61.2	64 900
44.0	57.5	60.0	56 700 *
46.0	55.5	58.6	49 200 *
48.0	53.4	57.1	42 400 *
50.0	51.3	55.6	36 200 *
52.0	49.1	53.8	30 600 *
54.0	46.8	52.0	25 500 *

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	260 300
22.0	78.8	77.2	235 700
24.0	77.3	76.7	199 200
26.0	75.8	76.2	172 200
28.0	74.2	75.7	150 000
30.0	72.6	75.0	131 600
32.0	71.0	74.4	116 100
34.0	69.4	73.6	102 700
36.0	67.8	72.8	91 200
38.0	66.2	71.9	81 100
40.0	64.5	71.0	72 200
42.0	62.8	70.0	64 000
44.0	61.1	68.9	55 800 *
46.0	59.4	67.7	48 100 *
48.0	57.6	66.5	41 300 *
50.0	55.8	65.1	35 100 *
52.0	53.9	63.7	29 400 *
54.0	52.0	62.1	24 200 *
56.0	50.1	60.5	19 500 *
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	200 800
26.0	77.1	84.1	171 500
28.0	75.7	83.6	149 300
30.0	74.2	83.0	130 900
32.0	72.8	82.4	115 300
34.0	71.4	81.7	101 900
36.0	69.9	81.0	90 400
38.0	68.5	80.2	80 300
40.0	67.0	79.4	71 300
42.0	65.5	78.5	63 200
44.0	64.0	77.5	54 900 *
46.0	62.4	76.5	47 300 *
48.0	60.8	75.4	40 400 *
50.0	59.3	74.2	34 100 *
52.0	57.6	72.9	28 400 *
54.0	56.0	71.6	23 200 *
56.0	54.3	70.2	18 400 *

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888 RINGER

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

Luffing Jib No. 49A-44

13.7m RINGER Attachment on Screw Jack Pedestals

393 310 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	411 900
18.0	73.6	38.9	334 200
20.0	70.4	38.2	274 100
22.0	67.2	37.4	230 000
24.0	63.8	36.4	195 900
26.0	60.4	35.3	168 700
28.0	56.8	34.0	146 400
30.0	53.1	32.5	127 900
32.0	49.1	30.9	112 300
34.0	44.9	28.9	99 000
36.0	40.4	26.6	87 500
38.0	35.4	24.0	77 400
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	410 600
18.0	76.4	46.8	336 000
20.0	73.8	46.2	275 500
22.0	71.2	45.6	231 300
24.0	68.5	44.8	197 200
26.0	65.7	43.9	169 900
28.0	62.9	42.9	147 700
30.0	60.0	41.8	129 100
32.0	57.1	40.5	113 500
34.0	54.0	39.1	100 100
36.0	50.8	37.5	88 500
38.0	47.4	35.7	78 400
40.0	43.8	33.6	68 800 *
42.0	40.0	31.3	59 400 *
44.0	35.8	28.7	51 200 *
53.3m (175 Ft.) BOOM			
15.2	81.4	55.2	427 100 *
16.0	80.6	55.1	405 400
18.0	78.4	54.6	338 000
20.0	76.2	54.2	276 500
22.0	73.9	53.6	232 300
24.0	71.7	52.9	198 000
26.0	69.4	52.2	170 700
28.0	67.1	51.4	148 300
30.0	64.7	50.4	129 700
32.0	62.3	49.4	114 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
53.3m (175 Ft.) BOOM			
34.0	59.8	48.3	100 500
36.0	57.3	47.0	88 900
38.0	54.6	45.6	78 700
40.0	51.9	44.0	69 400 *
42.0	49.1	42.3	59 900 *
44.0	46.1	40.5	51 500 *
46.0	43.0	38.4	44 000 *
48.0	39.7	36.0	37 200 *
50.0	36.2	33.4	31 000 *
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	338 100
20.0	77.9	62.0	276 500
22.0	76.0	61.5	232 200
24.0	74.0	61.0	198 000
26.0	72.1	60.3	170 600
28.0	70.1	59.6	148 300
30.0	68.1	58.8	129 600
32.0	66.0	57.9	113 900
34.0	63.9	57.0	100 500
36.0	61.8	55.9	88 800
38.0	59.6	54.7	78 600
40.0	57.4	53.5	69 500
42.0	55.1	52.1	60 000 *
44.0	52.8	50.6	51 500 *
46.0	50.3	49.0	43 900 *
48.0	47.8	47.2	37 100 *
50.0	45.2	45.2	30 800 *
52.0	42.4	43.1	25 200 *
54.0	39.5	40.7	20 000 *
56.0	36.4	38.1	15 300 *
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	277 400
22.0	77.6	69.4	232 200
24.0	75.9	68.9	197 900
26.0	74.1	68.3	170 500
28.0	72.4	67.7	148 100
30.0	70.6	67.0	129 500
32.0	68.8	66.2	113 700
34.0	67.0	65.4	100 200

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
68.6m (225 Ft.) BOOM			
36.0	65.2	64.5	88 500
38.0	63.3	63.5	78 300
40.0	61.4	62.4	69 200
42.0	59.5	61.2	59 900 *
44.0	57.5	60.0	51 300 *
46.0	55.5	58.6	43 700 *
48.0	53.4	57.1	36 700 *
50.0	51.3	55.6	30 500 *
52.0	49.1	53.8	24 800 *
54.0	46.8	52.0	19 500 *
56.0	44.4	50.0	14 700 *
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	261 700
22.0	78.8	77.2	234 100
24.0	77.3	76.7	197 500
26.0	75.8	76.2	170 100
28.0	74.2	75.7	147 700
30.0	72.6	75.0	129 000
32.0	71.0	74.4	113 200
34.0	69.4	73.6	99 700
36.0	67.8	72.8	88 000
38.0	66.2	71.9	77 700
40.0	64.5	71.0	68 600
42.0	62.8	70.0	59 500 *
44.0	61.1	68.9	50 800 *
46.0	59.4	67.7	43 100 *
48.0	57.6	66.5	36 100 *
50.0	55.8	65.1	29 800 *
52.0	53.9	63.7	24 100 *
54.0	52.0	62.1	18 800 *

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Luffing Jib No. 49A-44
13.7m RINGER Attachment on Screw Jack Pedestals
393 310 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	402 200
18.0	73.6	38.9	323 000
20.0	70.4	38.2	264 100
22.0	67.2	37.4	220 700
24.0	63.8	36.4	187 100
26.0	60.4	35.3	160 400
28.0	56.8	34.0	138 500
30.0	53.1	32.5	120 400
32.0	49.1	30.9	105 100
34.0	44.9	28.9	92 000
36.0	40.4	26.6	80 400
38.0	35.4	24.0	69 200 *
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	401 200
18.0	76.4	46.8	325 200
20.0	73.8	46.2	265 900
22.0	71.2	45.6	222 400
24.0	68.5	44.8	188 800
26.0	65.7	43.9	162 000
28.0	62.9	42.9	140 100
30.0	60.0	41.8	121 900
32.0	57.1	40.5	106 500
34.0	54.0	39.1	93 400
36.0	50.8	37.5	82 000
38.0	47.4	35.7	70 900 *
40.0	43.8	33.6	60 600 *
42.0	40.0	31.3	51 500 *
44.0	35.8	28.7	43 500 *
53.3m (175 Ft.) BOOM			
15.2	81.4	55.2	417 800 *
16.0	80.6	55.1	395 300
18.0	78.4	54.6	327 600
20.0	76.2	54.2	267 300
22.0	73.9	53.6	223 700
24.0	71.7	52.9	190 000
26.0	69.4	52.2	163 100
28.0	67.1	51.4	141 100
30.0	64.7	50.4	122 800
32.0	62.3	49.4	107 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
53.3m (175 Ft.) BOOM			
34.0	59.8	48.3	94 100
36.0	57.3	47.0	82 700
38.0	54.6	45.6	71 900
40.0	51.9	44.0	61 500 *
42.0	49.1	42.3	52 200 *
44.0	46.1	40.5	44 000 *
46.0	43.0	38.4	36 700 *
48.0	39.7	36.0	30 000 *
50.0	36.2	33.4	24 100 *
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	328 600
20.0	77.9	62.0	267 500
22.0	76.0	61.5	223 900
24.0	74.0	61.0	190 200
26.0	72.1	60.3	163 300
28.0	70.1	59.6	141 200
30.0	68.1	58.8	122 900
32.0	66.0	57.9	107 500
34.0	63.9	57.0	94 200
36.0	61.8	55.9	82 700
38.0	59.6	54.7	72 300
40.0	57.4	53.5	61 800 *
42.0	55.1	52.1	52 500 *
44.0	52.8	50.6	44 300 *
46.0	50.3	49.0	36 800 *
48.0	47.8	47.2	30 200 *
50.0	45.2	45.2	24 100 *
52.0	42.4	43.1	18 600 *
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	268 600
22.0	77.6	69.4	224 100
24.0	75.9	68.9	190 300
26.0	74.1	68.3	163 400
28.0	72.4	67.7	141 300
30.0	70.6	67.0	122 900
32.0	68.8	66.2	107 400
34.0	67.0	65.4	94 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
68.6m (225 Ft.) BOOM			
36.0	65.2	64.5	82 700
38.0	63.3	63.5	72 500
40.0	61.4	62.4	62 000 *
42.0	59.5	61.2	52 600 *
44.0	57.5	60.0	44 300 *
46.0	55.5	58.6	36 800 *
48.0	53.4	57.1	30 000 *
50.0	51.3	55.6	23 800 *
52.0	49.1	53.8	18 200 *
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	253 300
22.0	78.8	77.2	226 100
24.0	77.3	76.7	190 100
26.0	75.8	76.2	163 100
28.0	74.2	75.7	141 000
30.0	72.6	75.0	122 600
32.0	71.0	74.4	107 100
34.0	69.4	73.6	93 700
36.0	67.8	72.8	82 200
38.0	66.2	71.9	72 200
40.0	64.5	71.0	61 800 *
42.0	62.8	70.0	52 300 *
44.0	61.1	68.9	43 900 *
46.0	59.4	67.7	36 400 *
48.0	57.6	66.5	29 500 *
50.0	55.8	65.1	23 300 *
52.0	53.9	63.7	17 700 *

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
393 310 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	401 400
18.0	73.6	38.9	322 300
20.0	70.4	38.2	262 000
22.0	67.2	37.4	217 700
24.0	63.8	36.4	183 400
26.0	60.4	35.3	156 100
28.0	56.8	34.0	133 800
30.0	53.1	32.5	115 100
32.0	49.1	30.9	99 500
34.0	44.9	28.9	85 800
36.0	40.4	26.6	72 300 *
38.0	35.4	24.0	60 400 *
40.0	29.6	20.7	50 000 *
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	401 100
18.0	76.4	46.8	325 500
20.0	73.8	46.2	264 800
22.0	71.2	45.6	220 500
24.0	68.5	44.8	186 200
26.0	65.7	43.9	158 800
28.0	62.9	42.9	136 500
30.0	60.0	41.8	117 800
32.0	57.1	40.5	102 200
34.0	54.0	39.1	88 700
36.0	50.8	37.5	76 000 *
38.0	47.4	35.7	63 900 *
40.0	43.8	33.6	53 300 *
42.0	40.0	31.3	43 900 *
44.0	35.8	28.7	35 600 *
46.0	31.2	25.5	28 200 *
48.0	25.7	21.7	21 500 *

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	397 900
18.0	78.4	54.6	328 200
20.0	76.2	54.2	266 800
22.0	73.9	53.6	222 400
24.0	71.7	52.9	188 000
26.0	69.4	52.2	160 600
28.0	67.1	51.4	138 200
30.0	64.7	50.4	119 500
32.0	62.3	49.4	103 800
34.0	59.8	48.3	90 200
36.0	57.3	47.0	78 000
38.0	54.6	45.6	66 100 *
40.0	51.9	44.0	55 400 *
42.0	49.1	42.3	45 900 *
44.0	46.1	40.5	37 500 *
46.0	43.0	38.4	29 900 *
48.0	39.7	36.0	23 000 *
50.0	36.2	33.4	16 800 *
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	330 300
20.0	77.9	62.0	267 600
22.0	76.0	61.5	223 100
24.0	74.0	61.0	188 800
26.0	72.1	60.3	161 400
28.0	70.1	59.6	138 900
30.0	68.1	58.8	120 200
32.0	66.0	57.9	104 400
34.0	63.9	57.0	90 900
36.0	61.8	55.9	79 100
38.0	59.6	54.7	67 400 *
40.0	57.4	53.5	56 600 *
42.0	55.1	52.1	47 100 *
44.0	52.8	50.6	38 600 *
46.0	50.3	49.0	31 000 *
48.0	47.8	47.2	24 000 *
50.0	45.2	45.2	17 800 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
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	268 900
22.0	77.6	69.4	223 800
24.0	75.9	68.9	189 300
26.0	74.1	68.3	161 900
28.0	72.4	67.7	139 300
30.0	70.6	67.0	120 700
32.0	68.8	66.2	104 800
34.0	67.0	65.4	91 300
36.0	65.2	64.5	79 600
38.0	63.3	63.5	68 200
40.0	61.4	62.4	57 400 *
42.0	59.5	61.2	47 800 *
44.0	57.5	60.0	39 200 *
46.0	55.5	58.6	31 500 *
48.0	53.4	57.1	24 600 *
50.0	51.3	55.6	18 300 *
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	256 500
22.0	78.8	77.2	225 700
24.0	77.3	76.7	189 400
26.0	75.8	76.2	161 900
28.0	74.2	75.7	139 400
30.0	72.6	75.0	120 600
32.0	71.0	74.4	104 800
34.0	69.4	73.6	91 300
36.0	67.8	72.8	79 500
38.0	66.2	71.9	68 500
40.0	64.5	71.0	57 600 *
42.0	62.8	70.0	48 000 *
44.0	61.1	68.9	39 300 *
46.0	59.4	67.7	31 600 *
48.0	57.6	66.5	24 600 *
50.0	55.8	65.1	18 300 *

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
393 310 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	392 200
18.0	73.6	38.9	311 500
20.0	70.4	38.2	252 200
22.0	67.2	37.4	208 400
24.0	63.8	36.4	174 500
26.0	60.4	35.3	147 600
28.0	56.8	34.0	125 400
30.0	53.1	32.5	107 100
32.0	49.1	30.9	91 300
34.0	44.9	28.9	75 800 *
36.0	40.4	26.6	62 300 *
38.0	35.4	24.0	50 700 *
40.0	29.6	20.7	40 600 *
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	392 300
18.0	76.4	46.8	315 300
20.0	73.8	46.2	255 600
22.0	71.2	45.6	211 800
24.0	68.5	44.8	177 900
26.0	65.7	43.9	150 900
28.0	62.9	42.9	128 700
30.0	60.0	41.8	110 300
32.0	57.1	40.5	94 900
34.0	54.0	39.1	80 200 *
36.0	50.8	37.5	66 600 *
38.0	47.4	35.7	54 700 *
40.0	43.8	33.6	44 400 *
42.0	40.0	31.3	35 200 *
44.0	35.8	28.7	27 100 *
46.0	31.2	25.5	19 800 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
53.3m (175 Ft.) BOOM			
15.2	81.4	55.2	412 600 *
16.0	80.6	55.1	388 500
18.0	78.4	54.6	318 600
20.0	76.2	54.2	258 000
22.0	73.9	53.6	214 100
24.0	71.7	52.9	180 200
26.0	69.4	52.2	153 000
28.0	67.1	51.4	130 900
30.0	64.7	50.4	112 400
32.0	62.3	49.4	96 900
34.0	59.8	48.3	83 200
36.0	57.3	47.0	69 400 *
38.0	54.6	45.6	57 400 *
40.0	51.9	44.0	46 900 *
42.0	49.1	42.3	37 600 *
44.0	46.1	40.5	29 300 *
46.0	43.0	38.4	21 900 *
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	321 400
20.0	77.9	62.0	259 100
22.0	76.0	61.5	215 200
24.0	74.0	61.0	181 200
26.0	72.1	60.3	154 100
28.0	70.1	59.6	131 900
30.0	68.1	58.8	113 400
32.0	66.0	57.9	97 900
34.0	63.9	57.0	84 300
36.0	61.8	55.9	71 300 *
38.0	59.6	54.7	59 100 *
40.0	57.4	53.5	48 500 *
42.0	55.1	52.1	39 200 *
44.0	52.8	50.6	30 800 *
46.0	50.3	49.0	23 300 *
48.0	47.8	47.2	16 500 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
68.6m (225 Ft.) BOOM			
16.8	82.0	70.4	303 000 *
18.0	81.0	70.2	299 400 *
20.0	79.3	69.8	260 700
22.0	77.6	69.4	216 100
24.0	75.9	68.9	182 000
26.0	74.1	68.3	154 800
28.0	72.4	67.7	132 600
30.0	70.6	67.0	114 100
32.0	68.8	66.2	98 500
34.0	67.0	65.4	85 100
36.0	65.2	64.5	72 600 *
38.0	63.3	63.5	60 300 *
40.0	61.4	62.4	49 700 *
42.0	59.5	61.2	40 200 *
44.0	57.5	60.0	31 700 *
46.0	55.5	58.6	24 200 *
48.0	53.4	57.1	17 300 *
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	248 900
22.0	78.8	77.2	218 200
24.0	77.3	76.7	182 300
26.0	75.8	76.2	155 100
28.0	74.2	75.7	132 800
30.0	72.6	75.0	114 300
32.0	71.0	74.4	98 700
34.0	69.4	73.6	85 300
36.0	67.8	72.8	73 000
38.0	66.2	71.9	60 900 *
40.0	64.5	71.0	50 100 *
42.0	62.8	70.0	40 700 *
44.0	61.1	68.9	32 200 *
46.0	59.4	67.7	24 500 *
48.0	57.6	66.5	17 700 *



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
393 310 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	393 800
18.0	73.6	38.9	313 700
20.0	70.4	38.2	252 300
22.0	67.2	37.4	207 200
24.0	63.8	36.4	172 300
26.0	60.4	35.3	144 500
28.0	56.8	34.0	121 700
30.0	53.1	32.5	102 700
32.0	49.1	30.9	84 700
34.0	44.9	28.9	68 400 *
36.0	40.4	26.6	54 400 *
38.0	35.4	24.0	42 200 *
40.0	29.6	20.7	31 400 *
42.0	22.4	16.3	20 200 *
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	394 700
18.0	76.4	46.8	318 600
20.0	73.8	46.2	256 800
22.0	71.2	45.6	211 700
24.0	68.5	44.8	176 900
26.0	65.7	43.9	149 100
28.0	62.9	42.9	126 200
30.0	60.0	41.8	107 300
32.0	57.1	40.5	91 100
34.0	54.0	39.1	74 800 *
36.0	50.8	37.5	60 700 *
38.0	47.4	35.7	48 400 *
40.0	43.8	33.6	37 600 *
42.0	40.0	31.3	28 000 *
44.0	35.8	28.7	19 400 *

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	393 600
18.0	78.4	54.6	322 400
20.0	76.2	54.2	260 100
22.0	73.9	53.6	214 900
24.0	71.7	52.9	180 000
26.0	69.4	52.2	152 100
28.0	67.1	51.4	129 300
30.0	64.7	50.4	110 300
32.0	62.3	49.4	94 200
34.0	59.8	48.3	79 200 *
36.0	57.3	47.0	64 800 *
38.0	54.6	45.6	52 500 *
40.0	51.9	44.0	41 500 *
42.0	49.1	42.3	31 900 *
44.0	46.1	40.5	23 200 *
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	325 800
20.0	77.9	62.0	261 700
22.0	76.0	61.5	216 600
24.0	74.0	61.0	181 600
26.0	72.1	60.3	153 800
28.0	70.1	59.6	131 000
30.0	68.1	58.8	112 000
32.0	66.0	57.9	95 900
34.0	63.9	57.0	81 800
36.0	61.8	55.9	67 600 *
38.0	59.6	54.7	55 100 *
40.0	57.4	53.5	44 200 *
42.0	55.1	52.1	34 500 *
44.0	52.8	50.6	25 700 *

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	263 600
22.0	77.6	69.4	217 900
24.0	75.9	68.9	182 900
26.0	74.1	68.3	155 000
28.0	72.4	67.7	132 100
30.0	70.6	67.0	113 100
32.0	68.8	66.2	97 100
34.0	67.0	65.4	83 200
36.0	65.2	64.5	69 700 *
38.0	63.3	63.5	57 000 *
40.0	61.4	62.4	46 000 *
42.0	59.5	61.2	36 200 *
44.0	57.5	60.0	27 500 *
46.0	55.5	58.6	19 600 *
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	254 400
22.0	78.8	77.2	220 100
24.0	77.3	76.7	183 600
26.0	75.8	76.2	155 600
28.0	74.2	75.7	132 700
30.0	72.6	75.0	113 700
32.0	71.0	74.4	97 600
34.0	69.4	73.6	83 900
36.0	67.8	72.8	71 000 *
38.0	66.2	71.9	58 100 *
40.0	64.5	71.0	47 000 *
42.0	62.8	70.0	37 200 *
44.0	61.1	68.9	28 500 *
46.0	59.4	67.7	20 600 *

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
393 310 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	385 200
18.0	73.6	38.9	303 500
20.0	70.4	38.2	242 900
22.0	67.2	37.4	198 100
24.0	63.8	36.4	163 500
26.0	60.4	35.3	135 800
28.0	56.8	34.0	113 200
30.0	53.1	32.5	92 800 *
32.0	49.1	30.9	73 700 *
34.0	44.9	28.9	57 700 *
36.0	40.4	26.6	43 800 *
38.0	35.4	24.0	31 800 *
40.0	29.6	20.7	21 100 *
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	386 600
18.0	76.4	46.8	309 200
20.0	73.8	46.2	248 100
22.0	71.2	45.6	203 400
24.0	68.5	44.8	168 800
26.0	65.7	43.9	141 100
28.0	62.9	42.9	118 500
30.0	60.0	41.8	99 500
32.0	57.1	40.5	81 100 *
34.0	54.0	39.1	65 000 *
36.0	50.8	37.5	51 100 *
38.0	47.4	35.7	38 900 *
40.0	43.8	33.6	28 200 *
42.0	40.0	31.3	18 700 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
53.3m (175 Ft.) BOOM			
15.2	81.4	55.2	411 000 *
16.0	80.6	55.1	385 700
18.0	78.4	54.6	313 600
20.0	76.2	54.2	251 900
22.0	73.9	53.6	207 100
24.0	71.7	52.9	172 400
26.0	69.4	52.2	144 800
28.0	67.1	51.4	122 100
30.0	64.7	50.4	103 200
32.0	62.3	49.4	86 200
34.0	59.8	48.3	69 900 *
36.0	57.3	47.0	55 900 *
38.0	54.6	45.6	43 600 *
40.0	51.9	44.0	32 900 *
42.0	49.1	42.3	23 300 *
44.0	46.1	40.5	14 700 *
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	317 900
20.0	77.9	62.0	254 000
22.0	76.0	61.5	209 200
24.0	74.0	61.0	174 500
26.0	72.1	60.3	146 800
28.0	70.1	59.6	124 200
30.0	68.1	58.8	105 300
32.0	66.0	57.9	89 400
34.0	63.9	57.0	73 300 *
36.0	61.8	55.9	59 100 *
38.0	59.6	54.7	46 800 *
40.0	57.4	53.5	36 000 *
42.0	55.1	52.1	26 300 *
44.0	52.8	50.6	17 800 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
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	256 100
22.0	77.6	69.4	210 800
24.0	75.9	68.9	176 100
26.0	74.1	68.3	148 400
28.0	72.4	67.7	125 700
30.0	70.6	67.0	106 800
32.0	68.8	66.2	90 900
34.0	67.0	65.4	75 900 *
36.0	65.2	64.5	61 500 *
38.0	63.3	63.5	49 100 *
40.0	61.4	62.4	38 200 *
42.0	59.5	61.2	28 500 *
44.0	57.5	60.0	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

393 310 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	374 800
18.0	73.6	38.9	291 400
20.0	70.4	38.2	231 500
22.0	67.2	37.4	187 100
24.0	63.8	36.4	152 800
26.0	60.4	35.3	125 300
28.0	56.8	34.0	101 400 *
30.0	53.1	32.5	79 000 *
32.0	49.1	30.9	60 500 *
34.0	44.9	28.9	44 600 *
36.0	40.4	26.6	31 000 *
38.0	35.4	24.0	19 100 *
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	376 800
18.0	76.4	46.8	298 000
20.0	73.8	46.2	237 600
22.0	71.2	45.6	193 300
24.0	68.5	44.8	158 900
26.0	65.7	43.9	131 600
28.0	62.9	42.9	108 900
30.0	60.0	41.8	87 900 *
32.0	57.1	40.5	69 000 *
34.0	54.0	39.1	53 000 *
36.0	50.8	37.5	39 300 *
38.0	47.4	35.7	27 300 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
53.3m (175 Ft.) BOOM			
15.2	81.4	55.2	402 500 *
16.0	80.6	55.1	376 000
18.0	78.4	54.6	303 100
20.0	76.2	54.2	242 100
22.0	73.9	53.6	197 600
24.0	71.7	52.9	163 200
26.0	69.4	52.2	135 800
28.0	67.1	51.4	113 400
30.0	64.7	50.4	93 700
32.0	62.3	49.4	75 000 *
34.0	59.8	48.3	58 900 *
36.0	57.3	47.0	45 000 *
38.0	54.6	45.6	32 800 *
40.0	51.9	44.0	22 200 *
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	308 700
20.0	77.9	62.0	244 600
22.0	76.0	61.5	200 200
24.0	74.0	61.0	165 800
26.0	72.1	60.3	138 400
28.0	70.1	59.6	115 900
30.0	68.1	58.8	97 100
32.0	66.0	57.9	79 000 *
34.0	63.9	57.0	62 800 *
36.0	61.8	55.9	48 800 *
38.0	59.6	54.7	36 600 *
40.0	57.4	53.5	25 900 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
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	247 000
22.0	77.6	69.4	202 200
24.0	75.9	68.9	167 800
26.0	74.1	68.3	140 300
28.0	72.4	67.7	117 800
30.0	70.6	67.0	99 100
32.0	68.8	66.2	82 100
34.0	67.0	65.4	65 800 *
36.0	65.2	64.5	51 700 *
38.0	63.3	63.5	39 400 *
40.0	61.4	62.4	28 700 *
42.0	59.5	61.2	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

393 310 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	365 300
18.0	73.6	38.9	280 100
20.0	70.4	38.2	221 000
22.0	67.2	37.4	177 000
24.0	63.8	36.4	142 900
26.0	60.4	35.3	115 000 *
28.0	56.8	34.0	88 500 *
30.0	53.1	32.5	66 700 *
32.0	49.1	30.9	48 400 *
34.0	44.9	28.9	32 700 *
36.0	40.4	26.6	19 300 *
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	367 900
18.0	76.4	46.8	287 600
20.0	73.8	46.2	228 000
22.0	71.2	45.6	184 000
24.0	68.5	44.8	150 000
26.0	65.7	43.9	122 800
28.0	62.9	42.9	98 700 *
30.0	60.0	41.8	76 500 *
32.0	57.1	40.5	58 000 *
34.0	54.0	39.1	42 300 *
36.0	50.8	37.5	28 600 *
38.0	47.4	35.7	16 800 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
53.3m (175 Ft.) BOOM			
15.2	81.4	55.2	395 000 *
16.0	80.6	55.1	367 400
18.0	78.4	54.6	293 300
20.0	76.2	54.2	233 100
22.0	73.9	53.6	189 000
24.0	71.7	52.9	154 900
26.0	69.4	52.2	127 700
28.0	67.1	51.4	105 000
30.0	64.7	50.4	83 500 *
32.0	62.3	49.4	64 800 *
34.0	59.8	48.3	48 900 *
36.0	57.3	47.0	35 100 *
38.0	54.6	45.6	23 100 *
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	300 100
20.0	77.9	62.0	236 100
22.0	76.0	61.5	192 000
24.0	74.0	61.0	157 900
26.0	72.1	60.3	130 800
28.0	70.1	59.6	108 500
30.0	68.1	58.8	88 400
32.0	66.0	57.9	69 400 *
34.0	63.9	57.0	53 400 *
36.0	61.8	55.9	39 600 *
38.0	59.6	54.7	27 500 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
68.6m (225 Ft.) BOOM			
16.8	82.0	70.4	289 300 *
18.0	81.0	70.2	285 000 *
20.0	79.3	69.8	238 700
22.0	77.6	69.4	194 400
24.0	75.9	68.9	160 300
26.0	74.1	68.3	133 100
28.0	72.4	67.7	110 800
30.0	70.6	67.0	91 500
32.0	68.8	66.2	73 000 *
34.0	67.0	65.4	56 900 *
36.0	65.2	64.5	43 000 *
38.0	63.3	63.5	30 900 *
40.0	61.4	62.4	20 200 *

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
393 310 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	353 900
18.0	73.6	38.9	266 800
20.0	70.4	38.2	208 500
22.0	67.2	37.4	164 900
24.0	63.8	36.4	130 600
26.0	60.4	35.3	99 500 *
28.0	56.8	34.0	73 500 *
30.0	53.1	32.5	52 000 *
32.0	49.1	30.9	33 900 *
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	357 200
18.0	76.4	46.8	275 300
20.0	73.8	46.2	216 500
22.0	71.2	45.6	172 900
24.0	68.5	44.8	139 200
26.0	65.7	43.9	110 900 *
28.0	62.9	42.9	84 700 *
30.0	60.0	41.8	63 000 *
32.0	57.1	40.5	44 800 *
34.0	54.0	39.1	29 300 *

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	356 900
18.0	78.4	54.6	281 700
20.0	76.2	54.2	222 300
22.0	73.9	53.6	178 600
24.0	71.7	52.9	144 900
26.0	69.4	52.2	117 900
28.0	67.1	51.4	92 900 *
30.0	64.7	50.4	70 900 *
32.0	62.3	49.4	52 500 *
34.0	59.8	48.3	36 800 *
36.0	57.3	47.0	23 200 *
61.0m (200 Ft.) BOOM			
15.2	82.5	62.9	336 400 *
16.0	81.8	62.8	333 800
18.0	79.9	62.4	289 300
20.0	77.9	62.0	225 800
22.0	76.0	61.5	182 200
24.0	74.0	61.0	148 400
26.0	72.1	60.3	121 600
28.0	70.1	59.6	98 700
30.0	68.1	58.8	76 400 *
32.0	66.0	57.9	57 900 *
34.0	63.9	57.0	42 100 *
36.0	61.8	55.9	28 400 *
38.0	59.6	54.7	16 600 *

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	228 800
22.0	77.6	69.4	185 000
24.0	75.9	68.9	151 200
26.0	74.1	68.3	124 300
28.0	72.4	67.7	101 900
30.0	70.6	67.0	80 900 *
32.0	68.8	66.2	62 000 *
34.0	67.0	65.4	46 100 *
36.0	65.2	64.5	32 400 *
38.0	63.3	63.5	20 400 *

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
393 310 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	411 700
16.0	76.7	39.5	342 900
18.0	73.6	38.9	254 400
20.0	70.4	38.2	196 900
22.0	67.2	37.4	153 700
24.0	63.8	36.4	117 400 *
26.0	60.4	35.3	85 400 *
28.0	56.8	34.0	59 700 *
30.0	53.1	32.5	38 500 *
32.0	49.1	30.9	20 700 *
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	347 600
18.0	76.4	46.8	263 800
20.0	73.8	46.2	205 900
22.0	71.2	45.6	162 700
24.0	68.5	44.8	128 900
26.0	65.7	43.9	98 000 *
28.0	62.9	42.9	72 200 *
30.0	60.0	41.8	50 800 *
32.0	57.1	40.5	32 800 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
53.3m (175 Ft.) BOOM			
15.2	81.4	55.2	377 700 *
16.0	80.6	55.1	347 400
18.0	78.4	54.6	271 000
20.0	76.2	54.2	212 400
22.0	73.9	53.6	169 200
24.0	71.7	52.9	135 700
26.0	69.4	52.2	107 300 *
28.0	67.1	51.4	81 200 *
30.0	64.7	50.4	59 600 *
32.0	62.3	49.4	41 400 *
34.0	59.8	48.3	25 900 *
61.0m (200 Ft.) BOOM			
15.2	82.5	62.9	328 400 *
16.0	81.8	62.8	324 700
18.0	79.9	62.4	279 100
20.0	77.9	62.0	216 500
22.0	76.0	61.5	173 300
24.0	74.0	61.0	139 900
26.0	72.1	60.3	113 100
28.0	70.1	59.6	87 500 *
30.0	68.1	58.8	65 700 *
32.0	66.0	57.9	47 500 *
34.0	63.9	57.0	31 900 *
36.0	61.8	55.9	18 400 *