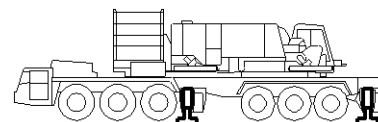


Liftcrane Boom Capacities

Boom No. 44A With Heavy Lift Top
80 560 kg and 55 880 kg Counterweight
360 Degree Rating
On Extended Outriggers

Meets
ANSI B30.5
Requirements

2250T



LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 85% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*).

Upper boom point capacity for liftcrane service with single part whip line is 13 610 kg or 27 220 kg with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

82.3m thru 91.4m boom lengths require only the middle 3 sheaves to be used on the lower boom point. All other sheaves must be removed from the lower boom point.

Weight of jib, all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib point sheaves, is considered part of main boom load. Boom is not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS: Machine to operate in a level position on a firm uniformly supporting surface with gantry up and outriggers fully extended (9 373 mm) and set. Refer to operators manual for outrigger positioning. Radii less than 12.8m not recommended when lifting over front of truck. Minimum boom angle over truck cab is 5 degrees.

Note: Set four main jacks first, then lower center front jack until it just contacts ground to prevent preloading of center front jack. Center front jack must be used when operating on outriggers.

Refer to boom rigging **No. A03746**, Wire Rope Specification chart **No. 8464-A** and Counterweight Arrangement chart **No. 8469-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.

MACHINE TRAVEL: Refer to Maximum Allowable Travel Specification chart **No. 8468-A** for machine travel without load.

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 Manitowoc - Pierce T300 12 x 6 carrier, 7 976 mm wheel base, 3 505 mm front axle track, 2 946 mm rear axle track, 505/95R25 front tires, 445/95R25 rear tires, 4 686 mm outriggers, 8 534 mm retractable gantry, 12 part boom hoist reeving, two boom support straps and crane counterweight as specified.

Maximum Boom and Jib Lengths Lifted Unassisted Over Side or Rear of Extended Outriggers			
80 560 kg Countweight		55 880 kg Counterweight	
Boom Length	Jib No. 132	Boom Length	Jib No. 132
(a) 91.4m	—	85.3m	—
88.4m	—	82.3m	—
85.3m	—	79.2m	—
82.3m	—	76.2m	12.2m
79.2m	18.3m	73.2m	18.3m
76.2m	24.4m	70.1m	30.5m
73.2m	30.5m	67.1m	36.6m
70.1m	36.6m		
Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be used on 91.4m boom.			

Deduct From Capacities When Jib Is Attached	
Jib Length	Jib No. 132
12.2m	2 900 kg
18.3m	3 720 kg
24.4m	4 670 kg
30.5m	5 810 kg
36.6m	6 940 kg

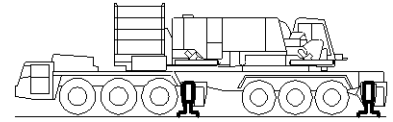
Consult jib chart for jib capacities. Upper boom point cannot be used when jib is attached.

Liftcrane Boom Capacities

Boom No. 44A With Heavy Lift Top
177,600 Lb. and 123,200 Lb. Counterweight
360 Degree Rating
On Extended Outriggers

**Meets
ANSI B30.5
Requirements**

2250T



21.3m (70 Ft.) Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	80 560 kg Counterweight	55 880 kg Counterweight
			Boom Capacity Kilograms	Boom Capacity Kilograms
5.5	82.9	24.4	272 100*	272 100*
6.0	81.5	24.3	256 800*	256 800*
6.5	80.2	24.2	245 400*	240 500*
7.0	78.8	24.1	237 600*	223 600*
7.5	77.4	23.9	222 500*	206 400*
8.0	76.0	23.8	209 100*	191 500*
8.5	74.6	23.6	197 300*	178 500*
9.0	73.2	23.5	186 500*	167 100*
10.0	70.3	23.1	165 500*	148 000*
11.0	67.4	22.7	148 400*	132 600*
12.0	64.4	22.2	134 400*	119 900*
13.0	61.3	21.6	121 700*	109 300*
14.0	58.1	21.0	109 300*	100 400*
15.0	54.8	20.2	99 000*	92 600*
16.0	51.4	19.4	90 000*	85 900
18.0	43.8	17.4	74 900*	73 200
20.0	34.8	14.8	59 500*	59 500*

27.4m (90 Ft.) Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	80 560 kg Counterweight	55 880 kg Counterweight
			Boom Capacity Kilograms	Boom Capacity Kilograms
6.4	82.6	30.4	226 000*	226 000*
6.5	82.4	30.4	225 600*	225 600*
7.0	81.3	30.3	223 300*	223 000*
7.5	80.3	30.2	220 200*	206 000*
8.0	79.2	30.1	208 600*	191 100*
8.5	78.1	30.0	196 800*	178 100*
9.0	77.0	29.8	186 100*	166 700*
10.0	74.9	29.6	165 100*	147 600*
11.0	72.7	29.2	148 100*	132 200*
12.0	70.4	28.9	134 000*	119 600*
13.0	68.2	28.4	122 300*	109 000*
14.0	65.9	28.0	112 300*	100 000*
15.0	63.5	27.5	103 700*	92 300*
16.0	61.1	26.9	95 500*	85 500*
18.0	56.1	25.6	80 300*	73 200
20.0	50.8	24.0	68 800*	62 600
22.0	45.0	22.1	59 600*	54 300
24.0	38.5	19.7	51 800*	47 800

24.4m (80 Ft.) Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	80 560 kg Counterweight	55 880 kg Counterweight
			Boom Capacity Kilograms	Boom Capacity Kilograms
6.1	82.4	27.4	238 600*	238 600*
6.5	81.4	27.3	237 000*	236 300*
7.0	80.2	27.2	235 100*	223 500*
7.5	79.0	27.1	222 300*	206 100*
8.0	77.8	27.0	208 800*	191 200*
8.5	76.6	26.8	197 000*	178 300*
9.0	75.4	26.7	186 200*	166 900*
10.0	72.9	26.4	165 300*	147 700*
11.0	70.4	26.0	148 200*	132 400*
12.0	67.8	25.6	134 200*	119 700*
13.0	65.2	25.1	122 400*	109 100*
14.0	62.6	24.5	112 200*	100 100*
15.0	59.8	23.9	101 700*	92 400*
16.0	57.0	23.3	92 700*	85 700*
18.0	51.1	21.7	78 100*	73 200
20.0	44.5	19.8	66 700*	62 500
22.0	37.0	17.3	56 000*	54 100
24.0	27.6	13.8	44 200*	44 500*

30.5m (100 Ft.) Boom

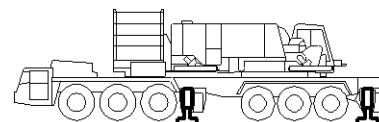
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	80 560 kg Counterweight	55 880 kg Counterweight
			Boom Capacity Kilograms	Boom Capacity Kilograms
6.7	82.8	33.4	217 300*	217 300*
7.0	82.2	33.4	216 000*	216 000*
7.5	81.2	33.3	213 800*	206 400*
8.0	80.3	33.2	208 700*	190 800*
8.5	79.3	33.1	196 400*	177 800*
9.0	78.4	33.0	185 700*	166 400*
10.0	76.4	32.7	164 800*	147 300*
11.0	74.5	32.4	147 800*	131 900*
12.0	72.5	32.1	133 700*	119 200*
13.0	70.5	31.7	122 000*	108 700*
14.0	68.5	31.3	112 000*	99 700*
15.0	66.4	30.9	103 400*	92 000*
16.0	64.3	30.4	95 800*	85 200*
18.0	60.0	29.3	82 100*	73 100
20.0	55.4	27.9	70 300*	62 500
22.0	50.6	26.3	61 000*	54 200
24.0	45.4	24.4	53 400*	47 600
26.0	39.7	22.1	47 100*	42 300
28.0	33.1	19.2	40 700*	37 900

Liftcrane Boom Capacities

Boom No. 44A With Heavy Lift Top
80 560 kg and 55 880 kg Counterweight
360 Degree Rating
On Extended Outriggers

**Meets
ANSI B30.5
Requirements**

2250T



33.5m (110 Ft.) Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	80 560 kg Counterweight	55 880 kg Counterweight
			Boom Capacity Kilograms	Boom Capacity Kilograms
7.0	82.9	36.5	201 300*	201 300*
7.5	82.0	36.4	199 100*	199 100*
8.0	81.2	36.3	197 000*	190 800*
8.5	80.3	36.2	195 000*	177 500*
9.0	79.4	36.1	185 500*	166 100*
10.0	77.7	35.9	164 600*	147 000*
11.0	75.9	35.6	147 500*	131 700*
12.0	74.1	35.3	133 400*	119 000*
13.0	72.3	35.0	121 700*	108 400*
14.0	70.5	34.6	111 700*	99 500*
15.0	68.7	34.2	103 100*	91 700*
16.0	66.8	33.8	95 600*	85 000*
18.0	63.0	32.8	83 100*	73 000
20.0	59.0	31.6	71 700*	62 400
22.0	54.9	30.2	62 300*	54 100
24.0	50.5	28.6	54 600*	47 600
26.0	45.8	26.7	48 300*	42 200
28.0	40.6	24.5	42 800*	37 800
30.0	34.9	21.7	37 900*	34 100
32.0	28.0	18.3	31 800*	30 800

39.6m (130 Ft.) Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	80 560 kg Counterweight	55 880 kg Counterweight
			Boom Capacity Kilograms	Boom Capacity Kilograms
7.9	82.7	42.5	183 300*	183 300*
8.0	82.6	42.5	183 000*	183 000*
8.5	81.8	42.4	181 100*	177 100*
9.0	81.1	42.3	179 200*	165 600*
10.0	79.6	42.1	164 500*	146 500*
11.0	78.1	41.9	147 000*	131 200*
12.0	76.6	41.7	133 000*	118 500*
13.0	75.1	41.4	121 200*	107 900*
14.0	73.6	41.1	111 200*	99 000*
15.0	72.1	40.7	102 600*	91 200*
16.0	70.6	40.4	95 100*	84 500*
18.0	67.4	39.6	82 800*	72 700
20.0	64.2	38.6	73 100*	62 200
22.0	60.9	37.5	64 300*	53 900
24.0	57.5	36.3	56 400*	47 400
26.0	54.0	34.8	50 000*	42 000
28.0	50.3	33.2	44 500*	37 600
30.0	46.3	31.3	39 900*	33 900
32.0	42.0	29.2	35 800*	30 700
34.0	37.4	26.7	32 200*	27 900
36.0	32.2	23.6	28 800*	25 500
38.0	25.9	19.8	24 400*	23 300

36.6m (120 Ft.) Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	80 560 kg Counterweight	55 880 kg Counterweight
			Boom Capacity Kilograms	Boom Capacity Kilograms
7.3	83.0	39.5	195 000*	195 000*
7.5	82.7	39.5	194 300*	194 300*
8.0	81.9	39.4	192 300*	190 900*
8.5	81.1	39.3	190 400*	177 200*
9.0	80.3	39.2	185 700*	165 800*
10.0	78.7	39.0	164 200*	146 600*
11.0	77.1	38.8	147 100*	131 300*
12.0	75.5	38.5	133 100*	118 600*
13.0	73.9	38.2	121 300*	108 100*
14.0	72.2	37.9	111 400*	99 100*
15.0	70.5	37.5	102 700*	91 300*
16.0	68.9	37.1	95 300*	84 600*
18.0	65.4	36.2	82 900*	72 700
20.0	61.9	35.2	72 700*	62 200
22.0	58.2	33.9	63 200*	53 900
24.0	54.4	32.5	55 500*	47 400
26.0	50.4	30.9	49 100*	42 000
28.0	46.1	29.0	43 600*	37 600
30.0	41.4	26.8	39 000*	33 900
32.0	36.3	24.2	34 900*	30 700
34.0	30.3	21.0	30 500*	27 900

42.7m (140 Ft.) Boom

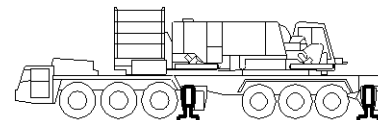
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	80 560 kg Counterweight	55 880 kg Counterweight
			Boom Capacity Kilograms	Boom Capacity Kilograms
8.2	82.8	45.5	176 200*	176 200*
8.5	82.4	45.5	175 200*	175 200*
9.0	81.7	45.4	173 500*	165 300*
10.0	80.4	45.2	164 700*	146 100*
11.0	79.0	45.0	146 600*	130 700*
12.0	77.6	44.8	132 500*	118 100*
13.0	76.2	44.5	120 800*	107 500*
14.0	74.8	44.3	110 800*	98 600*
15.0	73.4	44.0	102 200*	90 800*
16.0	72.0	43.6	94 800*	84 100*
18.0	69.1	42.9	82 400*	72 500
20.0	66.2	42.0	72 700*	62 000
22.0	63.2	41.0	64 600*	53 700
24.0	60.1	39.9	57 100*	47 100
26.0	56.9	38.6	50 600*	41 800
28.0	53.6	37.1	45 100*	37 400
30.0	50.2	35.5	40 300*	33 600
32.0	46.5	33.7	36 300*	30 400
34.0	42.6	31.5	32 700*	27 600
36.0	38.3	29.1	29 500*	25 200
38.0	33.6	26.2	26 700*	23 100

Liftcrane Boom Capacities

Boom No. 44A With Heavy Lift Top
177,600 Lb. and 123,200 Lb. Counterweight
360 Degree Rating
On Extended Outriggers

**Meets
ANSI B30.5
Requirements**

2250T



45.7m (150 Ft.) Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	80 560 kg Counterweight	55 880 kg Counterweight
			Boom Capacity Kilograms	Boom Capacity Kilograms
8.5	82.9	48.6	161 700*	161 700*
9.0	82.3	48.5	160 200*	160 200*
10.0	81.0	48.3	157 100*	145 800*
11.0	79.7	48.1	146 100*	130 200*
12.0	78.5	47.9	132 000*	117 600*
13.0	77.2	47.7	120 200*	107 000*
14.0	75.9	47.4	110 300*	98 000*
15.0	74.6	47.1	101 700*	90 300*
16.0	73.3	46.8	94 200*	83 600*
18.0	70.6	46.1	81 900*	72 000
20.0	67.9	45.3	72 100*	61 700
22.0	65.2	44.4	64 200*	53 400
24.0	62.3	43.4	57 400*	46 800
26.0	59.4	42.2	50 900*	41 500
28.0	56.4	40.9	45 300*	37 000
30.0	53.3	39.4	40 600*	33 200
32.0	50.1	37.8	36 500*	30 000
34.0	46.7	36.0	32 900*	27 300
36.0	43.0	33.9	29 700*	24 800
38.0	39.1	31.5	26 900*	22 700
40.0	34.9	28.7	24 300*	20 800
42.0	30.1	25.4	21 800*	19 100

48.8m (160 Ft.) Boom

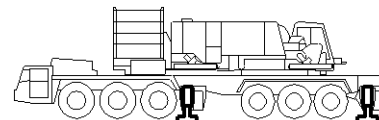
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	80 560 kg Counterweight	55 880 kg Counterweight
			Boom Capacity Kilograms	Boom Capacity Kilograms
8.8	83.0	51.6	156 500*	156 500*
9.0	82.8	51.6	156 000*	156 000*
10.0	81.6	51.4	153 200*	145 800*
11.0	80.4	51.2	144 100*	129 800*
12.0	79.2	51.0	129 700*	117 100*
13.0	78.0	50.8	118 000*	106 600*
14.0	76.8	50.6	108 300*	97 600*
15.0	75.6	50.3	100 000*	89 900*
16.0	74.3	50.0	92 900*	83 100*
18.0	71.9	49.4	81 200*	71 800
20.0	69.4	48.6	71 700*	61 400
22.0	66.8	47.8	63 800*	53 100
24.0	64.2	46.8	57 200*	46 500
26.0	61.5	45.8	51 200*	41 200
28.0	58.8	44.6	45 600*	36 700
30.0	56.0	43.2	40 900*	33 000
32.0	53.1	41.8	36 700*	29 800
34.0	50.0	40.1	33 100*	27 000
36.0	46.8	38.3	30 000*	24 600
38.0	43.4	36.2	27 200*	22 500
40.0	39.8	33.9	24 600*	20 500
42.0	35.9	31.2	22 300*	18 800
44.0	31.6	28.1	20 100*	17 300

Liftcrane Boom Capacities

Boom No. 44A With Heavy Lift Top
80 560 kg and 55 880 kg Counterweight
360 Degree Rating
On Extended Outriggers

**Meets
ANSI B30.5
Requirements**

2250T



51.8m (170 Ft.) Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	80 560 kg Counterweight	55 880 kg Counterweight
			Boom Capacity Kilograms	Boom Capacity Kilograms
9.1	83.0	54.6	147 500*	147 500*
10.0	82.1	54.5	145 100*	143 600*
11.0	81.0	54.3	142 300*	129 500*
12.0	79.8	54.2	127 900*	116 900*
13.0	78.7	53.9	116 300*	106 300*
14.0	77.6	53.7	106 700*	97 300*
15.0	76.4	53.5	98 500*	89 600*
16.0	75.3	53.2	91 400*	82 900*
18.0	73.0	52.6	79 900*	71 600
20.0	70.6	51.9	70 800*	61 200
22.0	68.3	51.1	63 400*	53 000
24.0	65.8	50.2	57 000*	46 400
26.0	63.4	49.2	51 200	41 000
28.0	60.8	48.1	45 900	36 500
30.0	58.3	46.9	41 300*	32 800
32.0	55.6	45.6	37 100*	29 600
34.0	52.8	44.1	33 500*	26 800
36.0	50.0	42.4	30 300*	24 400
38.0	47.0	40.6	27 500*	22 300
40.0	43.8	38.5	24 900*	20 400
42.0	40.4	36.2	22 600*	18 700
44.0	36.8	33.6	20 600*	17 100
46.0	32.8	30.7	18 600*	15 800
48.0	28.4	27.1	16 600*	14 500

54.9m (180 Ft.) Boom

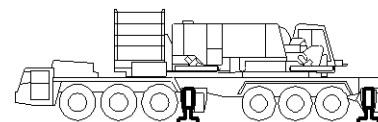
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	80 560 kg Counterweight	55 880 kg Counterweight
			Boom Capacity Kilograms	Boom Capacity Kilograms
9.8	82.8	57.6	141 600*	141 600*
10.0	82.5	57.6	141 000*	140 400*
11.0	81.5	57.4	138 600*	129 100*
12.0	80.4	57.3	125 900*	116 500*
13.0	79.3	57.1	114 300*	105 800*
14.0	78.3	56.8	104 800*	96 900*
15.0	77.2	56.6	96 700*	89 200*
16.0	76.1	56.4	89 700*	82 500*
18.0	74.0	55.8	78 400*	71 300
20.0	71.8	55.1	69 400*	61 000
22.0	69.5	54.4	62 200*	52 700
24.0	67.3	53.6	56 200*	46 100
26.0	65.0	52.6	50 900	40 700
28.0	62.6	51.6	45 600	36 300
30.0	60.2	50.5	41 200	32 500
32.0	57.8	49.2	37 200	29 300
34.0	55.2	47.9	33 600*	26 500
36.0	52.6	46.4	30 400*	24 100
38.0	49.9	44.7	27 500*	22 000
40.0	47.1	42.9	25 000*	20 100
42.0	44.1	40.9	22 700*	18 400
44.0	41.0	38.6	20 600*	16 800
46.0	37.6	36.1	18 700*	15 500
48.0	33.9	33.2	16 900*	14 200
50.0	29.9	29.9	15 300*	13 000

Liftcrane Boom Capacities

Boom No. 44A With Heavy Lift Top
177,600 Lb. and 123,200 Lb. Counterweight
360 Degree Rating
On Extended Outriggers

Meets
ANSI B30.5
Requirements

2250T



57.9m (190 Ft.) Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	80 560 kg Counterweight	55 880 kg Counterweight
			Boom Capacity Kilograms	Boom Capacity Kilograms
10.4	82.6	60.6	128 600*	128 600*
11.0	81.9	60.5	127 200*	127 100*
12.0	80.9	60.4	123 600*	116 300*
13.0	79.9	60.2	112 900*	105 500*
14.0	78.9	60.0	103 400*	96 500*
15.0	77.9	59.7	95 300*	88 800*
16.0	76.9	59.5	88 300*	82 100*
18.0	74.8	59.0	77 100*	71 000*
20.0	72.8	58.4	68 200*	60 800
22.0	70.7	57.7	61 100*	52 500
24.0	68.5	56.9	55 200*	45 900
26.0	66.4	56.0	50 200	40 500
28.0	64.2	55.1	45 400	36 000
30.0	61.9	54.0	40 900	32 300
32.0	59.7	52.8	37 100	29 000
34.0	57.3	51.6	33 700	26 300
36.0	54.9	50.2	30 500*	23 800
38.0	52.4	48.7	27 700*	21 700
40.0	49.9	47.0	25 100*	19 800
42.0	47.2	45.2	22 800*	18 100
44.0	44.4	43.2	20 700*	16 600
46.0	41.4	41.0	18 800*	15 200
48.0	38.3	38.5	17 100*	14 000
50.0	34.9	35.7	15 500*	12 800
52.0	31.2	32.5	14 000*	11 700

61.0m (200 Ft.) Boom

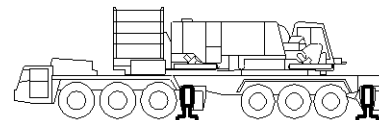
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	80 560 kg Counterweight	55 880 kg Counterweight
			Boom Capacity Kilograms	Boom Capacity Kilograms
10.4	82.9	63.7	124 600*	124 600*
11.0	82.3	63.6	123 400*	123 400*
12.0	81.4	63.4	120 900*	116 200*
13.0	80.4	63.3	111 100*	105 100*
14.0	79.5	63.1	101 600*	96 100*
15.0	78.5	62.9	93 700*	88 400*
16.0	77.5	62.6	86 800*	81 600*
18.0	75.6	62.1	75 700*	70 600*
20.0	73.6	61.6	66 900*	60 500
22.0	71.7	60.9	59 900*	52 200
24.0	69.7	60.2	54 000*	45 600
26.0	67.6	59.3	49 100*	40 200
28.0	65.6	58.4	44 800	35 700
30.0	63.5	57.5	40 700	32 000
32.0	61.3	56.4	36 800	28 800
34.0	59.2	55.2	33 500	25 900
36.0	56.9	53.9	30 500	23 500
38.0	54.6	52.5	27 700*	21 400
40.0	52.3	51.0	25 100*	19 500
42.0	49.8	49.3	22 800*	17 800
44.0	47.3	47.5	20 700*	16 300
46.0	44.6	45.5	18 800*	14 900
48.0	41.8	43.3	17 000*	13 600
50.0	38.9	40.9	15 500*	12 500
52.0	35.7	38.2	14 000*	11 400
54.0	32.3	35.1	12 600*	10 400
56.0	28.5	31.6	11 300*	9 600

Liftcrane Boom Capacities

Boom No. 44A With Heavy Lift Top
80 560 kg and 55 880 kg Counterweight
360 Degree Rating
On Extended Outriggers

**Meets
ANSI B30.5
Requirements**

2250T



64.0m (210 Ft.) Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	80 560 kg Counterweight	55 880 kg Counterweight
			Boom Capacity Kilograms	Boom Capacity Kilograms
11.0	82.7	66.7	116 900*	116 900*
12.0	81.8	66.5	115 200*	114 300*
13.0	80.9	66.4	110 700*	105 000*
14.0	80.0	66.2	100 700*	96 000*
15.0	79.1	66.0	92 800*	88 300*
16.0	78.1	65.8	85 900*	81 500*
18.0	76.3	65.3	74 800*	70 500*
20.0	74.4	64.7	66 200*	60 500
22.0	72.6	64.1	59 200*	52 200
24.0	70.7	63.4	53 400*	45 600
26.0	68.8	62.6	48 500*	40 200
28.0	66.8	61.8	44 400*	35 700
30.0	64.8	60.9	40 500	31 900
32.0	62.8	59.8	36 800	28 700
34.0	60.8	58.7	33 500	26 000
36.0	58.7	57.5	30 500	23 500
38.0	56.6	56.2	28 000	21 400
40.0	54.4	54.8	25 400*	19 500
42.0	52.1	53.3	23 100*	17 800
44.0	49.8	51.6	21 000*	16 200
46.0	47.4	49.8	19 100*	14 900
48.0	44.8	47.8	17 400*	13 600
50.0	42.2	45.6	15 800*	12 400
52.0	39.4	43.3	14 300*	11 400
54.0	36.4	40.6	12 900*	10 400
56.0	33.2	37.7	11 700*	9 600
58.0	29.7	34.3	10 500*	8 700

67.1m (220 Ft.) Boom

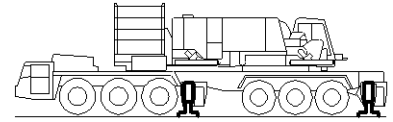
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	80 560 kg Counterweight	55 880 kg Counterweight
			Boom Capacity Kilograms	Boom Capacity Kilograms
11.6	82.5	69.7	112 000*	112 000*
12.0	82.2	69.6	111 400*	111 400*
13.0	81.3	69.5	108 900*	104 800*
14.0	80.4	69.3	99 200*	95 600*
15.0	79.6	69.1	91 300*	87 900*
16.0	78.7	68.9	84 500*	81 100*
18.0	76.9	68.4	73 500*	70 000*
20.0	75.2	67.9	64 900*	60 300
22.0	73.4	67.3	58 000*	52 000
24.0	71.6	66.7	52 300*	45 300
26.0	69.8	65.9	47 500*	39 900
28.0	67.9	65.1	43 400*	35 400
30.0	66.1	64.2	39 800*	31 700
32.0	64.2	63.3	36 500	28 400
34.0	62.2	62.2	33 100	25 600
36.0	60.3	61.1	30 200	23 200
38.0	58.3	59.9	27 700	21 000
40.0	56.2	58.6	25 400	19 200
42.0	54.1	57.1	23 000*	17 400
44.0	52.0	55.6	20 900*	15 900
46.0	49.7	53.9	19 000*	14 600
48.0	47.4	52.1	17 300*	13 300
50.0	45.0	50.1	15 700*	12 100
52.0	42.5	48.0	14 200*	11 100
54.0	39.9	45.6	12 800*	10 100
56.0	37.1	43.0	11 600*	9 200
58.0	34.1	40.2	10 400*	8 400
60.0	30.9	36.9	9 300*	7 600
62.0	27.3	33.2	8 200*	6 900

Liftcrane Boom Capacities

Boom No. 44A With Heavy Lift Top
177,600 Lb. and 123,200 Lb. Counterweight
360 Degree Rating
On Extended Outriggers

**Meets
ANSI B30.5
Requirements**

2250T



70.1m (230 Ft.) Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	80 560 kg Counterweight	55 880 kg Counterweight
			Boom Capacity Kilograms	Boom Capacity Kilograms
11.6	82.9	72.8	102 400*	102 400*
12.0	82.5	72.7	100 500*	100 500*
13.0	81.7	72.5	96 000*	96 000*
14.0	80.9	72.4	91 800*	91 800*
15.0	80.0	72.2	87 800*	87 300*
16.0	79.2	72.0	83 300*	81 200*
18.0	77.5	71.6	72 700*	69 700*
20.0	75.8	71.1	64 000*	60 100
22.0	74.1	70.5	57 100*	51 700
24.0	72.4	69.9	51 400*	45 000
26.0	70.7	69.2	46 600*	39 600
28.0	68.9	68.4	42 600*	35 100
30.0	67.2	67.6	39 000*	31 400
32.0	65.4	66.7	35 900*	28 100
34.0	63.6	65.7	32 900	25 400
36.0	61.7	64.6	29 900	22 900
38.0	59.8	63.5	27 400	20 800
40.0	57.9	62.2	25 100	18 900
42.0	55.9	60.9	23 000	17 200
44.0	53.9	59.4	20 900*	15 600
46.0	51.8	57.9	19 000*	14 300
48.0	49.7	56.2	17 200*	13 000
50.0	47.5	54.4	15 600*	11 900
52.0	45.2	52.4	14 200*	10 800
54.0	42.8	50.3	12 800*	9 800
56.0	40.3	48.0	11 500*	8 900
58.0	37.7	45.5	10 400*	8 100
60.0	34.9	42.7	9 300*	7 400
62.0	31.8	39.5	8 200*	6 600
64.0	28.5	36.0	7 200*	5 900

73.2m (240 Ft.) Boom

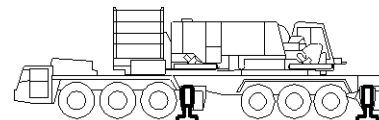
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	80 560 kg Counterweight	55 880 kg Counterweight
			Boom Capacity Kilograms	Boom Capacity Kilograms
12.2	82.7	75.8	95 400*	95 400*
13.0	82.0	75.6	92 000*	92 000*
14.0	81.2	75.5	88 000*	88 000*
15.0	80.4	75.3	84 200*	84 200*
16.0	79.6	75.1	80 600*	79 900*
18.0	78.0	74.7	71 900*	69 400*
20.0	76.4	74.2	63 100*	59 800
22.0	74.8	73.7	56 200*	51 400
24.0	73.2	73.1	50 500*	44 700
26.0	71.5	72.4	45 800*	39 400
28.0	69.9	71.7	41 700*	34 900
30.0	68.2	70.9	38 200*	31 100
32.0	66.5	70.0	35 200*	27 900
34.0	64.7	69.1	32 400	25 000
36.0	63.0	68.1	29 700	22 600
38.0	61.2	67.0	27 100	20 500
40.0	59.4	65.8	24 800	18 600
42.0	57.5	64.6	22 700	16 800
44.0	55.6	63.2	20 800	15 300
46.0	53.7	61.7	18 800*	13 900
48.0	51.7	60.2	17 100*	12 700
50.0	49.7	58.5	15 500*	11 500
52.0	47.6	56.7	14 000*	10 500
54.0	45.4	54.7	12 700*	9 500
56.0	43.1	52.6	11 400*	8 600
58.0	40.7	50.4	10 200*	7 800
60.0	38.2	47.9	9 100*	7 000
62.0	35.6	45.1	8 100*	6 300
64.0	32.7	42.1	7 100*	5 600
66.0	29.6	38.7	6 200*	5 000
68.0	26.2	34.8	5 200*	4 400

Liftcrane Boom Capacities

Boom No. 44A With Heavy Lift Top
80 560 kg and 55 880 kg Counterweight
360 Degree Rating
On Extended Outriggers

Meets
ANSI B30.5
Requirements

2250T



76.2m (250 Ft.) Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	80 560 kg Counterweight	55 880 kg Counterweight
			Boom Capacity Kilograms	Boom Capacity Kilograms
12.2	83.0	78.8	91 600*	91 600*
13.0	82.4	78.7	88 400*	88 400*
14.0	81.6	78.6	84 600*	84 600*
15.0	80.8	78.4	81 000*	81 000*
16.0	80.1	78.2	77 500*	77 500*
18.0	78.5	77.8	70 500*	69 300*
20.0	77.0	77.4	62 300*	59 700
22.0	75.4	76.8	55 400*	51 400
24.0	73.9	76.3	49 800*	44 700
26.0	72.3	75.6	45 100*	39 300
28.0	70.7	74.9	41 100*	34 800
30.0	69.1	74.2	37 600*	31 000
32.0	67.5	73.4	34 600*	27 800
34.0	65.8	72.5	31 900*	24 900
36.0	64.2	71.5	29 500	22 500
38.0	62.5	70.5	27 000	20 400
40.0	60.7	69.4	24 700	18 500
42.0	59.0	68.2	22 700	16 800
44.0	57.2	66.9	20 800	15 200
46.0	55.4	65.5	19 000*	13 800
48.0	53.5	64.1	17 200*	12 600
50.0	51.6	62.5	15 600*	11 500
52.0	49.6	60.8	14 200*	10 400
54.0	47.6	59.0	12 800*	9 400
56.0	45.5	57.1	11 500*	8 500
58.0	43.4	55.0	10 300*	7 700
60.0	41.1	52.7	9 300*	6 900
62.0	38.7	50.3	8 200*	6 200
64.0	36.2	47.6	7 300*	5 500
66.0	33.5	44.6	6 400*	4 900
68.0	30.6	41.4	5 500*	4 300
70.0	27.5	37.7	4 600*	3 700

79.2m (260 Ft.) Boom

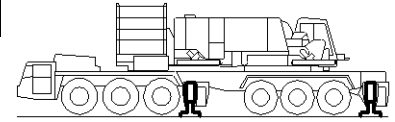
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	80 560 kg Counterweight	55 880 kg Counterweight
			Boom Capacity Kilograms	Boom Capacity Kilograms
12.8	82.8	81.8	85 200*	85 200*
13.0	82.7	81.8	84 500*	84 500*
14.0	81.9	81.6	80 900*	80 900*
15.0	81.2	81.5	77 500*	77 500*
16.0	80.5	81.3	74 200*	74 200*
18.0	79.0	80.9	68 100*	68 100*
20.0	77.5	80.5	61 300*	59 500
22.0	76.0	80.0	54 400*	51 100
24.0	74.5	79.4	48 800*	44 400
26.0	73.0	78.8	44 200*	39 000
28.0	71.5	78.2	40 200*	34 500
30.0	69.9	77.4	36 800*	30 700
32.0	68.4	76.7	33 800*	27 400
34.0	66.8	75.8	31 100*	24 600
36.0	65.2	74.9	28 800*	22 200
38.0	63.6	73.9	26 600*	20 100
40.0	62.0	72.8	24 400	18 200
42.0	60.3	71.7	22 300	16 400
44.0	58.6	70.5	20 500	14 900
46.0	56.9	69.2	18 800*	13 500
48.0	55.1	67.8	17 000*	12 300
50.0	53.3	66.4	15 400*	11 100
52.0	51.5	64.8	14 000*	10 100
54.0	49.6	63.1	12 600*	9 100
56.0	47.7	61.3	11 300*	8 200
58.0	45.7	59.4	10 200*	7 400
60.0	43.6	57.3	9 100*	6 600
62.0	41.4	55.1	8 000*	5 900
64.0	39.1	52.7	7 100*	5 200
66.0	36.8	50.0	6 200*	4 600
68.0	34.2	47.2	5 300*	4 000
70.0	31.5	44.0	4 500*	3 400
72.0	28.6	40.4	3 700*	2 900

Liftcrane Boom Capacities

Boom No. 44A With Heavy Lift Top
177,600 Lb. and 123,200 Lb. Counterweight
360 Degree Rating
On Extended Outriggers

**Meets
ANSI B30.5
Requirements**

2250T



82.3m (270 Ft.) Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	80 560 kg Counterweight	55 880 kg Counterweight
			Boom Capacity Kilograms	Boom Capacity Kilograms
13.4	82.6	84.8	74 300*	74 300*
14.0	82.2	84.7	72 700*	72 700*
15.0	81.5	84.6	69 900*	69 900*
16.0	80.8	84.4	67 200*	67 200*
18.0	79.4	84.0	62 200*	62 200*
20.0	78.0	83.6	57 500*	57 400
22.0	76.5	83.1	53 200*	51 700
24.0	75.1	82.6	48 800*	44 700
26.0	73.7	82.0	44 200*	39 300
28.0	72.2	81.4	40 200*	34 800
30.0	70.7	80.7	36 800*	31 000
32.0	69.2	79.9	33 800*	27 800
34.0	67.7	79.1	31 200*	24 900
36.0	66.2	78.3	28 800*	22 500
38.0	64.7	77.3	26 700*	20 300
40.0	63.1	76.3	24 700	18 400
42.0	61.5	75.2	22 600	16 700
44.0	59.9	74.1	20 800	15 200
46.0	58.3	72.8	19 100	13 800
48.0	56.6	71.5	17 600	12 600
50.0	54.9	70.1	16 000*	11 400
52.0	53.2	68.7	14 500*	10 300
54.0	51.4	67.1	13 200*	9 400
56.0	49.6	65.4	11 900*	8 500
58.0	47.7	63.6	10 700*	7 700
60.0	45.8	61.7	9 600*	6 900
62.0	43.8	59.6	8 600*	6 200
64.0	41.7	57.4	7 600*	5 500
66.0	39.6	55.0	6 700*	4 900
68.0	37.3	52.5	5 900*	4 300
70.0	34.9	49.6	5 000*	3 700
72.0	32.3	46.6	4 300*	3 200
74.0	29.6	43.1	3 400*	2 700
76.0	26.5	39.3	2 300*	2 200

85.3m (280 Ft.) Boom

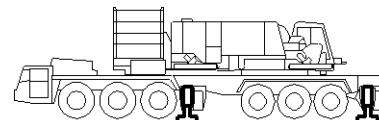
Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	80 560 kg Counterweight	55 880 kg Counterweight
			Boom Capacity Kilograms	Boom Capacity Kilograms
13.4	82.9	87.9	70 000*	70 000*
14.0	82.5	87.8	69 200*	69 200*
15.0	81.8	87.7	66 700*	66 700*
16.0	81.1	87.5	65 400*	65 400*
18.0	79.8	87.1	63 900*	63 900*
20.0	78.4	86.7	60 900*	60 200
22.0	77.0	86.3	53 900*	51 600
24.0	75.6	85.8	48 300*	44 800
26.0	74.3	85.2	43 700*	39 400
28.0	72.8	84.6	39 700*	34 800
30.0	71.4	83.9	36 300*	31 000
32.0	70.0	83.2	33 300*	27 800
34.0	68.6	82.4	30 700*	24 900
36.0	67.1	81.6	28 300*	22 500
38.0	65.6	80.7	26 300*	20 300
40.0	64.1	79.7	24 300*	18 400
42.0	62.6	78.7	22 600	16 700
44.0	61.1	77.6	20 800	15 100
46.0	59.5	76.4	19 100	13 800
48.0	58.0	75.2	17 600	12 500
50.0	56.4	73.9	16 100	11 300
52.0	54.7	72.5	14 600*	10 300
54.0	53.0	71.0	13 200*	9 300
56.0	51.3	69.4	11 900*	8 400
58.0	49.6	67.7	10 700*	7 600
60.0	47.8	65.9	9 600*	6 800
62.0	45.9	64.0	8 600*	6 100
64.0	44.0	61.9	7 600*	5 400
66.0	42.0	59.8	6 700*	4 800
68.0	39.9	57.4	5 900*	4 200
70.0	37.8	54.9	5 100*	3 600
72.0	35.5	52.1	4 300*	3 100
74.0	33.1	49.1	3 600*	2 600
76.0	30.5	45.8	2 900*	2 100
78.0	27.6	42.1	2 200*	

Liftcrane Boom Capacities

Boom No. 44A With Heavy Lift Top
80 560 kg and 55 880 kg Counterweight
360 Degree Rating
On Extended Outriggers

Meets
ANSI B30.5
Requirements

2250T



88.4m (290 Ft.) Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	80 560 kg Counterweight
			Boom Capacity Kilograms
14.0	82.7	90.9	64 600*
15.0	82.1	90.7	64 300*
16.0	81.5	90.6	64 000*
18.0	80.1	90.2	62 600*
20.0	78.8	89.8	59 800*
22.0	77.5	89.4	53 700*
24.0	76.2	88.9	48 000*
26.0	74.8	88.4	43 400*
28.0	73.5	87.8	39 400*
30.0	72.1	87.1	36 000*
32.0	70.7	86.5	33 000*
34.0	69.3	85.7	30 400*
36.0	67.9	84.9	28 100*
38.0	66.5	84.0	26 000*
40.0	65.1	83.1	24 100*
42.0	63.7	82.1	22 400*
44.0	62.2	81.1	20 700
46.0	60.7	80.0	19 000
48.0	59.2	78.8	17 500
50.0	57.7	77.5	16 200
52.0	56.1	76.2	14 700*
54.0	54.5	74.8	13 400*
56.0	52.9	73.3	12 100*
58.0	51.3	71.7	10 900*
60.0	49.6	70.0	9 800*
62.0	47.8	68.2	8 800*
64.0	46.0	66.3	7 800*
66.0	44.2	64.3	6 900*
68.0	42.3	62.1	6 000*
70.0	40.3	59.8	5 300*
72.0	38.2	57.3	4 500*
74.0	36.0	54.6	3 800*
76.0	33.7	51.6	3 100*
78.0	31.3	48.4	2 400*

91.4m (300 Ft.) Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	80 560 kg Counterweight
			Boom Capacity Kilograms
14.0	83.0	94.0	60 500*
15.0	82.4	93.8	60 300*
16.0	81.7	93.7	59 500*
18.0	80.5	93.3	56 700*
20.0	79.2	93.0	54 100*
22.0	77.9	92.5	51 600*
24.0	76.6	92.1	47 400*
26.0	75.3	91.5	42 500*
28.0	74.0	91.0	38 600*
30.0	72.7	90.4	35 200*
32.0	71.4	89.7	32 300*
34.0	70.1	89.0	29 700*
36.0	68.7	88.2	27 300*
38.0	67.4	87.4	25 300*
40.0	66.0	86.5	23 400*
42.0	64.6	85.5	21 700*
44.0	63.2	84.5	20 100*
46.0	61.8	83.5	18 700*
48.0	60.3	82.3	16 900*
50.0	58.9	81.1	15 300*
52.0	57.4	79.9	13 700*
54.0	55.9	78.5	12 300*
56.0	54.3	77.1	11 100*
58.0	52.8	75.6	9 900*
60.0	51.2	74.0	8 800*
62.0	49.5	72.3	7 800*
64.0	47.9	70.5	6 900*
66.0	46.1	68.6	6 100*
68.0	44.3	66.6	5 300*
70.0	42.5	64.4	4 600*
72.0	40.6	62.1	3 900*
74.0	38.6	59.7	3 300*
76.0	36.5	57.0	2 700*
78.0	34.3	54.1	2 100*