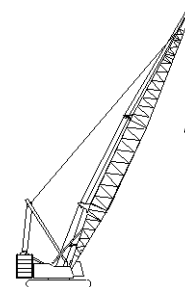




Liftcrane Boom Capacities

Boom No. 82LR
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
Rating Over End of Blocked Crawlers
No Travel - Limited Swing

Meets
ANSI B30.5
Requirements



999 SERIES 3

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 over end of machine with crawlers blocked. Capacities based on structural competence are denoted by an asterisk (*).

Upper boom point capacity for liftcrane service with single part whip line is 29,500 Lbs. When boom butt mounted auxiliary drum is used, capacity with single part whip line is 20,000 Lbs. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

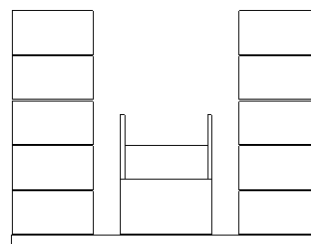
Weight of jib, all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib point sheaves, is considered part of main boom load. Boom is not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended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

OPERATING CONDITIONS: Machine to operate in a level position on a firm uniformly supporting surface with gantry up. Drive and idler tumblers must be properly blocked so that centerline of tumblers becomes tipping fulcrum. Swing is limited to that sector shown on Operating Range Diagram **No. 8224-A**. Refer to boom rigging **No. 196100** and Wire Rope Specification chart **No. 8315-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 28 Ft. 2 in. crawlers, 48 in. treads, 10 Ft. 3 in. retractable gantry, 30 Ft. live mast, 20 part boom hoist reeving, boom support straps, 219,600 Lb. crane counterweight, two 22,000 Lb. and two 18,000 Lb. carbody counterweights.



219,600 Lb. Crane Counterweight
10 Side Boxes - 1 Center Box

Maximum Boom and Jib Lengths Lifted Unassisted

Over End of Blocked Crawlers

Boom Length	Jib No. 134	Jib No. 123
(a) 340 Ft.	—	—
330 Ft.	—	—
320 Ft.	—	—
310 Ft.	—	—
300 Ft.	80 Ft.	60 Ft.

Load block, hook and weight ball on ground at start.
(a) Upper boom point cannot be used on 340 Ft. boom.

Consult jib chart for jib capacities.

Upper boom point cannot be used when jib is attached.

Boom Catwalks Deduct

Deduct 700 Lbs. from capacities when boom catwalks are attached.

Deduct From Capacities When Jib Is Attached

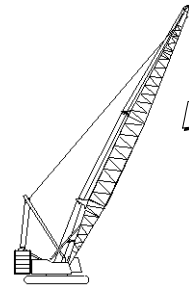
Jib Length	Jib No. 134	Jib No. 123
30 Ft.	2,700 Lbs.	2,500 Lbs.
40 Ft.	3,500 Lbs.	3,100 Lbs.
50 Ft.	4,300 Lbs.	3,700 Lbs.
60 Ft.	5,100 Lbs.	4,400 Lbs.
70 Ft.	6,100 Lbs.	—
80 Ft.	7,100 Lbs.	—



Liftcrane Boom Capacities

Boom No. 82LR
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
Rating Over End of Blocked Crawlers
No Travel - Limited Swing

Meets
ANSI B30.5
Requirements



999 SERIES 3

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. Boom			
24	80.9	126.6	265,500 *
26	79.9	126.3	265,500 *
28	78.9	125.9	252,400 *
30	78.0	125.5	240,300 *
32	77.0	125.1	229,200 *
34	76.0	124.6	219,100 *
36	75.0	124.1	209,800 *
38	74.0	123.5	201,300 *
40	73.0	122.9	192,000 *
42	72.0	122.3	182,400 *
44	71.0	121.6	173,600 *
46	70.0	120.9	165,700 *
48	69.0	120.2	158,500 *
50	68.0	119.4	151,800 *
55	65.4	117.2	137,300 *
60	62.7	114.8	125,300 *
65	60.0	112.1	115,100 *
70	57.2	109.0	105,500 *
75	54.3	105.6	97,400 *
80	51.3	101.8	90,200 *
85	48.2	97.6	82,900 *
90	44.9	92.9	75,600 *
95	41.4	87.5	69,000 *
100	37.7	81.5	63,100 *
105	33.6	74.5	57,500 *
110	29.0	66.2	52,300 *
115	23.6	56.1	47,200 *
120	16.6	42.4	41,700 *
130 Ft. Boom			
26	80.7	136.4	265,500 *
28	79.8	136.1	263,400 *
30	78.9	135.7	251,300 *
32	78.0	135.3	240,300 *
34	77.1	134.9	230,100 *
36	76.2	134.4	220,800 *
38	75.3	133.9	212,100 *
40	74.4	133.4	203,500 *
42	73.5	132.8	193,800 *
44	72.5	132.2	184,900 *
46	71.6	131.5	176,800 *
48	70.7	130.8	169,300 *
50	69.7	130.1	162,300 *
55	67.4	128.2	147,100 *
60	65.0	125.9	134,400 *
65	62.5	123.5	121,600 *
70	60.0	120.7	110,100 *
75	57.4	117.7	100,500 *
80	54.8	114.3	92,300 *
85	52.0	110.6	85,100 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. Boom			
90	49.2	106.5	77,800 *
95	46.2	102.0	71,300 *
100	43.0	96.9	65,400 *
105	39.7	91.2	60,100 *
110	36.1	84.8	55,200 *
115	32.2	77.4	50,500 *
120	27.8	68.8	46,100 *
125	22.6	58.2	41,800 *
130	15.9	43.9	37,200 *
140 Ft. Boom			
28	80.5	146.3	265,500 *
30	79.7	145.9	260,700 *
32	78.9	145.5	249,800 *
34	78.0	145.1	238,900 *
36	77.2	144.7	225,700 *
38	76.4	144.2	213,900 *
40	75.5	143.7	203,200 *
42	74.7	143.2	193,400 *
44	73.8	142.6	184,600 *
46	73.0	142.0	176,400 *
48	72.1	141.4	168,900 *
50	71.3	140.7	162,000 *
55	69.1	138.9	146,800 *
60	66.9	136.9	134,100 *
65	64.6	134.6	121,500 *
70	62.3	132.1	110,000 *
75	60.0	129.4	100,300 *
80	57.6	126.4	92,100 *
85	55.2	123.0	85,000 *
90	52.6	119.4	78,800 *
95	50.0	115.4	73,000 *
100	47.3	111.0	67,200 *
105	44.4	106.1	61,900 *
110	41.4	100.8	57,100 *
115	38.2	94.8	52,600 *
120	34.8	88.0	48,500 *
125	31.0	80.3	44,600 *
130	26.8	71.2	40,800 *
135	21.8	60.1	37,000 *
140	15.4	45.2	33,000 *

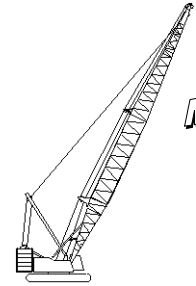
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. Boom			
30	80.4	156.1	265,500 *
32	79.6	155.7	253,300 *
34	78.9	155.3	238,600 *
36	78.1	154.9	225,400 *
38	77.3	154.5	213,600 *
40	76.5	154.0	202,900 *
42	75.7	153.5	193,100 *
44	74.9	153.0	184,300 *
46	74.1	152.4	176,100 *
48	73.3	151.9	168,600 *
50	72.5	151.2	161,700 *
55	70.5	149.6	146,500 *
60	68.5	147.7	133,800 *
65	66.4	145.6	121,300 *
70	64.3	143.3	109,800 *
75	62.2	140.8	100,200 *
80	60.0	138.1	91,900 *
85	57.8	135.0	84,800 *
90	55.5	131.7	78,600 *
95	53.1	128.2	73,200 *
100	50.7	124.2	68,300 *
105	48.2	120.0	63,300 *
110	45.6	115.3	58,500 *
115	42.8	110.1	54,200 *
120	39.9	104.5	50,100 *
125	36.9	98.2	46,400 *
130	33.6	91.1	42,900 *
135	29.9	83.0	39,500 *
140	25.8	73.5	36,200 *
145	21.0	62.0	32,900 *



Liftcrane Boom Capacities

Boom No. 82LR
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
Rating Over End of Blocked Crawlers
No Travel - Limited Swing

Meets
ANSI B30.5
Requirements



999 SERIES 3

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. Boom			
30	81.0	166.2	236,000 *
32	80.3	165.9	236,000 *
34	79.6	165.5	234,800 *
36	78.8	165.1	224,700 *
38	78.1	164.7	212,900 *
40	77.4	164.3	202,200 *
42	76.6	163.8	192,500 *
44	75.9	163.3	183,600 *
46	75.2	162.8	175,400 *
48	74.4	162.3	167,900 *
50	73.7	161.7	161,000 *
55	71.8	160.1	145,800 *
60	69.9	158.4	133,100 *
65	68.0	156.5	120,900 *
70	66.0	154.4	109,400 *
75	64.1	152.0	99,700 *
80	62.0	149.5	91,500 *
85	60.0	146.7	84,400 *
90	57.9	143.7	78,200 *
95	55.8	140.4	72,700 *
100	53.6	136.9	67,900 *
105	51.3	133.1	63,500 *
110	49.0	128.9	59,300 *
115	46.6	124.3	55,000 *
120	44.0	119.4	51,000 *
125	41.4	114.0	47,300 *
130	38.6	108.0	43,900 *
135	35.7	101.4	40,700 *
140	32.5	94.0	37,600 *
145	29.0	85.6	34,700 *
150	25.0	75.8	31,800 *
155	20.4	63.8	28,900 *
170 Ft. Boom			
32	80.9	176.0	228,400 *
34	80.2	175.7	224,900 *
36	79.5	175.3	221,500 *
38	78.8	174.9	212,500 *
40	78.1	174.5	201,800 *
42	77.4	174.1	192,100 *
44	76.7	173.6	183,200 *
46	76.0	173.1	175,100 *
48	75.3	172.6	167,600 *
50	74.7	172.1	160,700 *
55	72.9	170.6	145,500 *
60	71.1	169.0	132,800 *
65	69.3	167.2	120,700 *
70	67.5	165.2	109,200 *
75	65.7	163.1	99,500 *
80	63.8	160.7	91,200 *
85	61.9	158.2	84,100 *
90	60.0	155.4	77,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. Boom			
95	58.0	152.4	72,400 *
100	56.0	149.1	67,600 *
105	54.0	145.6	63,300 *
110	51.9	141.8	59,400 *
115	49.7	137.8	55,800 *
120	47.4	133.4	51,900 *
125	45.1	128.6	48,200 *
130	42.7	123.4	44,900 *
135	40.1	117.7	41,700 *
140	37.4	111.5	38,800 *
145	34.6	104.6	36,000 *
150	31.5	96.9	33,300 *
155	28.1	88.2	30,700 *
160	24.2	78.0	28,100 *
165	19.7	65.6	25,500 *
180 Ft. Boom			
34	80.7	185.8	206,400 *
36	80.1	185.5	205,500 *
38	79.4	185.1	202,600 *
40	78.8	184.7	199,700 *
42	78.1	184.3	191,700 *
44	77.5	183.9	182,800 *
46	76.8	183.4	174,600 *
48	76.2	182.9	167,100 *
50	75.5	182.4	160,200 *
55	73.9	181.1	145,100 *
60	72.2	179.5	132,300 *
65	70.5	177.9	120,400 *
70	68.8	176.0	108,900 *
75	67.1	174.0	99,200 *
80	65.4	171.8	91,000 *
85	63.6	169.4	83,800 *
90	61.8	166.8	77,600 *
95	60.0	164.0	72,200 *
100	58.1	161.0	67,300 *
105	56.3	157.8	63,000 *
110	54.3	154.4	59,100 *
115	52.3	150.6	55,600 *
120	50.3	146.6	52,400 *
125	48.2	142.3	49,000 *
130	46.0	137.7	45,600 *
135	43.8	132.7	42,500 *
140	41.4	127.2	39,600 *
145	38.9	121.3	36,800 *
150	36.3	114.8	34,300 *
155	33.6	107.7	31,800 *
160	30.6	99.7	29,400 *
165	27.3	90.6	27,200 *
170	23.6	80.1	24,900 *
175	19.2	67.3	22,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. Boom			
36	80.6	195.6	196,000 *
38	80.0	195.3	193,200 *
40	79.4	194.9	188,300 *
42	78.8	194.5	181,200 *
44	78.2	194.1	174,800 *
46	77.5	193.7	168,900 *
48	76.9	193.2	163,500 *
50	76.3	192.7	158,600 *
55	74.7	191.5	144,400 *
60	73.2	190.0	132,000 *
65	71.6	188.4	120,200 *
70	70.0	186.7	108,700 *
75	68.4	184.8	99,000 *
80	66.8	182.7	90,700 *
85	65.1	180.5	83,600 *
90	63.4	178.1	77,300 *
95	61.7	175.5	71,900 *
100	60.0	172.7	67,000 *
105	58.2	169.7	62,700 *
110	56.5	166.5	58,800 *
115	54.6	163.1	55,300 *
120	52.8	159.4	52,100 *
125	50.8	155.5	49,200 *
130	48.9	151.2	46,500 *
135	46.8	146.7	43,400 *
140	44.7	141.8	40,500 *
145	42.5	136.6	37,800 *
150	40.3	130.9	35,200 *
155	37.9	124.8	32,800 *
160	35.3	118.0	30,500 *
165	32.6	110.6	28,400 *
170	29.7	102.4	26,200 *
175	26.5	93.0	24,200 *
180	22.9	82.1	22,100 *
185	18.7	69.0	20,000 *



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

Boom No. 82LR
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
Rating Over End of Blocked Crawlers
No Travel - Limited Swing

999 SERIES 3

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. Boom			
38	80.5	205.4	177,000 *
40	79.9	205.1	175,400 *
42	79.3	204.7	173,100 *
44	78.8	204.3	170,100 *
46	78.2	203.9	164,400 *
48	77.6	203.5	159,100 *
50	77.0	203.0	154,300 *
55	75.5	201.8	141,700 *
60	74.0	200.4	129,900 *
65	72.5	198.9	119,800
70	71.0	197.3	108,200
75	69.5	195.5	98,500
80	68.0	193.6	90,300
85	66.4	191.5	83,100
90	64.8	189.2	76,900
95	63.3	186.8	71,400
100	61.6	184.1	66,500
105	60.0	181.4	62,200
110	58.3	178.4	58,300
115	56.6	175.2	54,800
120	54.9	171.8	51,600
125	53.1	168.2	48,700
130	51.3	164.3	46,100
135	49.5	160.1	43,600 *
140	47.5	155.7	40,700 *
145	45.6	151.0	38,000 *
150	43.5	145.9	35,400 *
155	41.4	140.4	33,100 *
160	39.2	134.5	30,800 *
165	36.9	128.2	28,700 *
170	34.4	121.2	26,700 *
175	31.8	113.5	24,700 *
180	29.0	105.0	22,800 *
185	25.8	95.3	21,000 *
190	22.3	84.1	19,100 *
195	18.2	70.6	17,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
210 Ft. Boom			
38	81.0	215.5	168,600 *
40	80.4	215.2	166,400 *
42	79.9	214.9	164,200 *
44	79.3	214.5	162,100 *
46	78.7	214.1	159,800 *
48	78.2	213.7	154,600 *
50	77.6	213.3	149,900 *
55	76.2	212.1	139,000 *
60	74.8	210.8	127,500 *
65	73.4	209.4	117,700 *
70	72.0	207.8	107,900
75	70.5	206.1	98,200
80	69.1	204.3	89,900
85	67.6	202.3	82,800
90	66.1	200.2	76,500
95	64.6	197.9	71,100
100	63.1	195.4	66,200
105	61.6	192.8	61,900
110	60.0	190.0	58,000
115	58.4	187.0	54,500
120	56.8	183.9	51,300
125	55.2	180.5	48,400
130	53.5	176.9	45,700
135	51.8	173.1	43,300
140	50.0	169.0	41,000 *
145	48.2	164.7	38,300 *
150	46.3	160.1	35,800 *
155	44.4	155.1	33,400 *
160	42.4	149.8	31,200 *
165	40.4	144.2	29,100 *
170	38.2	138.1	27,100 *
175	36.0	131.4	25,200 *
180	33.6	124.2	23,400 *
185	31.0	116.3	21,700 *
190	28.2	107.5	20,000 *
195	25.2	97.6	18,300 *
200	21.8	86.1	16,600 *
205	17.8	72.2	14,800 *

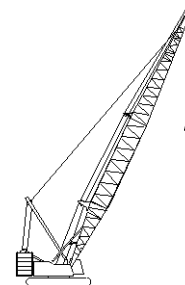
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
220 Ft. Boom			
40	80.8	225.4	152,500 *
42	80.3	225.0	151,900 *
44	79.8	224.7	151,300 *
46	79.3	224.3	150,700 *
48	78.7	223.9	149,500 *
50	78.2	223.5	145,800 *
55	76.9	222.4	135,700 *
60	75.5	221.2	125,100 *
65	74.2	219.8	115,400 *
70	72.8	218.3	107,100 *
75	71.4	216.7	97,900
80	70.1	215.0	89,600
85	68.7	213.1	82,400
90	67.3	211.1	76,200
95	65.9	208.9	70,700
100	64.4	206.6	65,900
105	63.0	204.1	61,500
110	61.5	201.5	57,600
115	60.0	198.7	54,100
120	58.5	195.7	50,900
125	56.9	192.5	48,000
130	55.4	189.2	45,300
135	53.8	185.6	42,900
140	52.1	181.9	40,600
145	50.5	177.9	38,500 *
150	48.8	173.6	36,000 *
155	47.0	169.1	33,600 *
160	45.2	164.3	31,400 *
165	43.3	159.1	29,400 *
170	41.4	153.7	27,400 *
175	39.4	147.8	25,600 *
180	37.3	141.5	23,800 *
185	35.1	134.6	22,100 *
190	32.8	127.2	20,500 *
195	30.3	119.1	18,900 *
200	27.6	110.0	17,300 *
205	24.6	99.8	15,800 *
210	21.3	88.0	14,200 *
215	17.3	73.7	12,600 *



Liftcrane Boom Capacities

Boom No. 82LR
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
Rating Over End of Blocked Crawlers
No Travel - Limited Swing

**Meets
ANSI B30.5
Requirements**



999 SERIES 3

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
230 Ft. Boom			
42	80.7	235.2	137,900 *
44	80.2	234.8	137,400 *
46	79.7	234.5	136,800 *
48	79.2	234.1	136,300 *
50	78.7	233.7	135,700 *
55	77.4	232.7	132,300 *
60	76.2	231.5	123,000 *
65	74.9	230.2	113,500 *
70	73.6	228.8	105,300 *
75	72.3	227.2	97,500
80	71.0	225.6	89,200
85	69.6	223.8	82,100
90	68.3	221.9	75,800
95	67.0	219.8	70,400
100	65.6	217.6	65,500
105	64.2	215.3	61,200
110	62.8	212.8	57,300
115	61.4	210.1	53,700
120	60.0	207.3	50,500
125	58.6	204.4	47,600
130	57.1	201.2	45,000
135	55.6	197.9	42,500
140	54.1	194.4	40,300
145	52.5	190.6	38,200
150	50.9	186.7	36,200 *
155	49.3	182.5	33,800 *
160	47.6	178.1	31,600 *
165	45.9	173.4	29,600 *
170	44.2	168.4	27,600 *
175	42.3	163.1	25,800 *
180	40.5	157.4	24,000 *
185	38.5	151.3	22,400 *
190	36.5	144.8	20,800 *
195	34.3	137.8	19,200 *
200	32.0	130.1	17,800 *
205	29.6	121.7	16,300 *
210	27.0	112.4	14,900 *
215	24.1	102.0	13,500 *
220	20.8	89.9	12,100 *
225	17.0	75.2	10,600 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
240 Ft. Boom			
44	80.6	245.0	125,200 *
46	80.2	244.6	124,600 *
48	79.7	244.3	124,100 *
50	79.2	243.9	123,600 *
55	78.0	242.9	122,300 *
60	76.8	241.8	120,500 *
65	75.5	240.5	111,200 *
70	74.3	239.2	103,100 *
75	73.0	237.7	96,100 *
80	71.8	236.1	88,800
85	70.5	234.4	81,600
90	69.3	232.6	75,400
95	68.0	230.6	69,900
100	66.7	228.5	65,000
105	65.4	226.3	60,700
110	64.1	224.0	56,800
115	62.7	221.5	53,200
120	61.4	218.8	50,000
125	60.0	216.0	47,100
130	58.6	213.0	44,500
135	57.2	209.9	42,000
140	55.8	206.6	39,700
145	54.3	203.1	37,700
150	52.8	199.4	35,700
155	51.3	195.5	33,700 *
160	49.8	191.4	31,500 *
165	48.2	187.0	29,400 *
170	46.6	182.4	27,500 *
175	44.9	177.6	25,600 *
180	43.2	172.4	23,900 *
185	41.4	166.9	22,300 *
190	39.6	161.0	20,700 *
195	37.7	154.8	19,200 *
200	35.7	148.1	17,700 *
205	33.6	140.8	16,400 *
210	31.3	133.0	15,000 *
215	29.0	124.3	13,700 *
220	26.4	114.8	12,400 *
225	23.6	104.1	11,100 *
230	20.4	91.7	9,800 *
235	16.6	76.7	8,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
250 Ft. Boom			
44	81.0	255.1	113,800 *
46	80.6	254.8	113,300 *
48	80.1	254.4	112,900 *
50	79.6	254.1	112,400 *
55	78.5	253.1	111,200 *
60	77.3	252.0	110,100 *
65	76.1	250.8	108,900 *
70	74.9	249.6	101,500 *
75	73.7	248.2	94,500 *
80	72.5	246.6	88,300 *
85	71.3	245.0	81,200
90	70.1	243.3	75,000
95	68.9	241.4	69,500
100	67.7	239.4	64,600
105	66.4	237.3	60,300
110	65.2	235.0	56,400
115	63.9	232.7	52,800
120	62.6	230.1	49,600
125	61.3	227.5	46,700
130	60.0	224.7	44,100
135	58.7	221.7	41,600
140	57.3	218.6	39,300
145	55.9	215.3	37,300
150	54.5	211.8	35,300
155	53.1	208.2	33,500
160	51.7	204.3	31,500 *
165	50.2	200.2	29,400 *
170	48.7	196.0	27,500 *
175	47.2	191.5	25,700 *
180	45.6	186.7	23,900 *
185	43.9	181.6	22,300 *
190	42.3	176.3	20,700 *
195	40.5	170.6	19,300 *
200	38.7	164.6	17,800 *
205	36.9	158.2	16,500 *
210	34.9	151.2	15,200 *
215	32.9	143.8	13,900 *
220	30.7	135.7	12,700 *
225	28.4	126.9	11,500 *
230	25.8	117.1	10,300 *
235	23.1	106.1	9,100 *
240	19.9	93.4	7,900 *
245	16.3	78.2	6,600 *

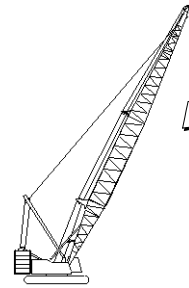


Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

Boom No. 82LR
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
Rating Over End of Blocked Crawlers
No Travel - Limited Swing

999 SERIES 3



Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
260 Ft. Boom			
46	80.9	264.9	103,700 *
48	80.5	264.6	103,300 *
50	80.0	264.2	102,800 *
55	78.9	263.3	101,700 *
60	77.8	262.3	100,600 *
65	76.7	261.1	99,500 *
70	75.5	259.9	98,400 *
75	74.4	258.6	92,700 *
80	73.2	257.1	86,600 *
85	72.1	255.5	80,900
90	70.9	253.9	74,600
95	69.7	252.1	69,100
100	68.6	250.2	64,200
105	67.4	248.2	59,900
110	66.2	246.0	56,000
115	65.0	243.7	52,400
120	63.7	241.3	49,200
125	62.5	238.8	46,300
130	61.3	236.1	43,700
135	60.0	233.3	41,200
140	58.7	230.4	38,900
145	57.4	227.2	36,800
150	56.1	224.0	34,900
155	54.8	220.5	33,100
160	53.4	216.9	31,400
165	52.0	213.1	29,400 *
170	50.6	209.1	27,400 *
175	49.2	204.9	25,600 *
180	47.7	200.4	23,900 *
185	46.2	195.8	22,300 *
190	44.6	190.8	20,700 *
195	43.0	185.6	19,200 *
200	41.4	180.1	17,800 *
205	39.7	174.3	16,500 *
210	38.0	168.1	15,200 *
215	36.1	161.4	14,000 *
220	34.2	154.4	12,800 *
225	32.2	146.7	11,600 *
230	30.1	138.4	10,500 *
235	27.8	129.4	9,400 *
240	25.3	119.4	8,300 *
245	22.6	108.2	7,100 *
250	19.6	95.2	6,000 *
255	15.9	79.6	4,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
270 Ft. Boom			
48	80.8	274.7	94,900 *
50	80.4	274.4	94,400 *
55	79.3	273.5	93,400 *
60	78.2	272.5	92,300 *
65	77.2	271.4	91,300 *
70	76.1	270.2	90,300 *
75	75.0	268.9	89,200 *
80	73.9	267.5	85,000 *
85	72.8	266.0	79,600 *
90	71.7	264.4	74,200
95	70.5	262.7	68,700
100	69.4	260.9	63,800
105	68.3	259.0	59,500
110	67.1	256.9	55,600
115	66.0	254.7	52,000
120	64.8	252.4	48,800
125	63.6	250.0	45,900
130	62.4	247.5	43,300
135	61.2	244.8	40,800
140	60.0	242.0	38,500
145	58.8	239.0	36,400
150	57.5	235.9	34,500
155	56.3	232.7	32,700
160	55.0	229.2	31,000
165	53.7	225.6	29,300 *
170	52.3	221.9	27,400 *
175	51.0	217.9	25,500 *
180	49.6	213.8	23,800 *
185	48.2	209.4	22,200 *
190	46.7	204.8	20,600 *
195	45.3	200.0	19,200 *
200	43.8	194.9	17,800 *
205	42.2	189.5	16,400 *
210	40.6	183.9	15,200 *
215	38.9	177.9	13,900 *
220	37.2	171.5	12,800 *
225	35.4	164.7	11,600 *
230	33.6	157.4	10,500 *
235	31.6	149.6	9,500 *
240	29.5	141.1	8,400 *
245	27.3	131.8	7,400 *
250	24.9	121.6	6,400 *
255	22.2	110.1	5,300 *
260	19.2	96.9	4,300 *

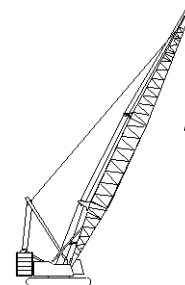
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
280 Ft. Boom			
50	80.8	284.5	85,600 *
55	79.7	283.7	84,700 *
60	78.7	282.7	83,700 *
65	77.6	281.6	82,800 *
70	76.6	280.5	81,800 *
75	75.5	279.3	80,800 *
80	74.5	277.9	79,900 *
85	73.4	276.5	77,700 *
90	72.3	274.9	73,400 *
95	71.3	273.3	68,200
100	70.2	271.5	63,400
105	69.1	269.7	59,000
110	68.0	267.7	55,100
115	66.9	265.6	51,500
120	65.8	263.4	48,300
125	64.6	261.1	45,400
130	63.5	258.7	42,700
135	62.3	256.1	40,300
140	61.2	253.5	38,000
145	60.0	250.6	35,900
150	58.8	247.7	34,000
155	57.6	244.6	32,200
160	56.4	241.3	30,500
165	55.2	237.9	28,900
170	53.9	234.4	27,100 *
175	52.6	230.6	25,200 *
180	51.3	226.7	23,500 *
185	50.0	222.6	21,900 *
190	48.6	218.3	20,300 *
195	47.3	213.8	18,900 *
200	45.9	209.1	17,500 *
205	44.4	204.1	16,100 *
210	42.9	198.9	14,900 *
215	41.4	193.4	13,700 *
220	39.8	187.5	12,500 *
225	38.2	181.4	11,400 *
230	36.5	174.8	10,300 *
235	34.8	167.8	9,300 *
240	32.9	160.4	8,200 *
245	31.0	152.4	7,200 *
250	29.0	143.7	6,300 *
255	26.8	134.2	5,300 *
260	24.4	123.8	4,400 *



Liftcrane Boom Capacities

Boom No. 82LR
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
Rating Over End of Blocked Crawlers
No Travel - Limited Swing

Meets
ANSI B30.5
Requirements



999 SERIES 3

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
290 Ft. Boom			
55	80.1	293.8	77,900 *
60	79.1	292.9	77,000 *
65	78.1	291.9	76,100 *
70	77.0	290.8	75,100 *
75	76.0	289.6	74,200 *
80	75.0	288.3	73,300 *
85	74.0	286.9	72,400 *
90	73.0	285.4	70,100 *
95	71.9	283.8	67,600 *
100	70.9	282.2	62,900 *
105	69.8	280.4	58,600 *
110	68.8	278.5	54,700 *
115	67.7	276.5	51,100 *
120	66.6	274.4	47,900 *
125	65.6	272.2	45,000 *
130	64.5	269.8	42,300 *
135	63.4	267.4	39,900 *
140	62.3	264.8	37,600 *
145	61.1	262.1	35,500 *
150	60.0	259.3	33,500 *
155	58.9	256.3	31,700 *
160	57.7	253.3	30,000 *
165	56.5	250.0	28,500 *
170	55.3	246.6	26,900 *
175	54.1	243.1	25,100 *
180	52.9	239.4	23,300 *
185	51.6	235.5	21,700 *
190	50.4	231.5	20,100 *
195	49.1	227.2	18,700 *
200	47.7	222.8	17,300 *
205	46.4	218.2	16,000 *
210	45.0	213.3	14,700 *
215	43.6	208.2	13,500 *
220	42.2	202.8	12,300 *
225	40.7	197.1	11,200 *
230	39.1	191.1	10,200 *
235	37.5	184.8	9,100 *
240	35.9	178.1	8,200 *
245	34.1	170.9	7,200 *
250	32.3	163.3	6,300 *
255	30.5	155.1	5,300 *
260	28.4	146.3	4,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
300 Ft. Boom			
55	80.4	304.0	71,600 *
60	79.4	303.1	70,700 *
65	78.5	302.1	69,800 *
70	77.5	301.0	68,900 *
75	76.5	299.9	68,100 *
80	75.5	298.6	67,200 *
85	74.5	297.3	66,300 *
90	73.5	295.9	65,500 *
95	72.5	294.3	63,100 *
100	71.5	292.7	60,700 *
105	70.5	291.0	58,200 *
110	69.5	289.2	54,200 *
115	68.5	287.3	50,700 *
120	67.5	285.2	47,500 *
125	66.4	283.1	44,600 *
130	65.4	280.9	41,900 *
135	64.3	278.5	39,400 *
140	63.3	276.1	37,200 *
145	62.2	273.5	35,100 *
150	61.1	270.8	33,100 *
155	60.0	268.0	31,300 *
160	58.9	265.0	29,600 *
165	57.8	261.9	28,000 *
170	56.6	258.7	26,600 *
175	55.5	255.3	24,800 *
180	54.3	251.8	23,100 *
185	53.1	248.2	21,500 *
190	51.9	244.3	19,900 *
195	50.7	240.3	18,500 *
200	49.5	236.1	17,100 *
205	48.2	231.8	15,700 *
210	46.9	227.2	14,500 *
215	45.6	222.4	13,300 *
220	44.2	217.4	12,100 *
225	42.8	212.1	11,000 *
230	41.4	206.6	10,000 *
235	39.9	200.8	9,000 *
240	38.4	194.6	8,000 *
245	36.9	188.2	7,000 *
250	35.2	181.3	6,100 *
255	33.6	174.0	5,200 *
260	31.8	166.2	4,400 *

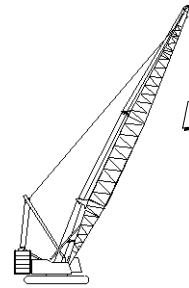
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
310 Ft. Boom			
55	80.7	314.1	70,500 *
60	79.8	313.2	69,700 *
65	78.8	312.3	69,000 *
70	77.9	311.3	68,000 *
75	76.9	310.1	62,900 *
80	76.0	308.9	60,200 *
85	75.0	307.7	57,700 *
90	74.1	306.3	55,500 *
95	73.1	304.8	53,400 *
100	72.2	303.2	51,300 *
105	71.2	301.6	47,600 *
110	70.2	299.8	44,300 *
115	69.2	298.0	41,300 *
120	68.2	296.0	38,600 *
125	67.2	294.0	36,100 *
130	66.2	291.8	33,800 *
135	65.2	289.6	31,700 *
140	64.2	287.2	29,800 *
145	63.2	284.7	28,000 *
150	62.1	282.2	26,300 *
155	61.1	279.4	24,800 *
160	60.0	276.6	23,300 *
165	58.9	273.7	22,000 *
170	57.8	270.6	20,700 *
175	56.7	267.4	19,500 *
180	55.6	264.0	18,400 *
185	54.5	260.5	17,300 *
190	53.4	256.9	16,300 *
195	52.2	253.1	15,400 *
200	51.0	249.1	14,500 *
205	49.8	245.0	13,600 *
210	48.6	240.7	12,800 *
215	47.4	236.2	12,000 *
220	46.1	231.5	11,300 *
225	44.8	226.6	10,600 *
230	43.5	221.4	9,900 *
235	42.1	216.0	9,300 *
240	40.7	210.3	8,700 *
245	39.3	204.4	7,700 *
250	37.8	198.1	6,800 *
255	36.2	191.5	5,900 *
260	34.7	184.4	5,000 *
265	33.0	177.0	4,200 *



Liftcrane Boom Capacities

Boom No. 82LR
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
Rating Over End of Blocked Crawlers
No Travel - Limited Swing

Meets
ANSI B30.5
Requirements



999 SERIES 3

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
320 Ft. Boom			
55	81.0	324.2	65,300 *
60	80.1	323.4	64,600 *
65	79.2	322.5	63,800 *
70	78.3	321.5	63,100 *
75	77.4	320.4	60,600 *
80	76.4	319.2	57,900 *
85	75.5	318.0	55,500 *
90	74.6	316.7	53,300 *
95	73.7	315.2	51,300 *
100	72.7	313.7	49,500 *
105	71.8	312.1	47,100
110	70.8	310.4	43,800
115	69.9	308.7	40,800
120	68.9	306.8	38,100
125	68.0	304.8	35,600
130	67.0	302.7	33,300
135	66.0	300.6	31,200
140	65.0	298.3	29,300
145	64.1	295.9	27,500
150	63.1	293.4	25,800
155	62.0	290.8	24,200
160	61.0	288.1	22,800
165	60.0	285.3	21,400
170	59.0	282.3	20,200
175	57.9	279.3	19,000
180	56.8	276.1	17,800
185	55.8	272.7	16,800
190	54.7	269.3	15,800
195	53.6	265.6	14,800
200	52.5	261.9	13,900
205	51.3	258.0	13,100
210	50.2	253.9	12,300
215	49.0	249.6	11,500
220	47.8	245.2	10,700
225	46.6	240.5	10,000
230	45.3	235.7	9,400
235	44.0	230.6	8,700
240	42.7	225.4	8,100
245	41.4	219.8	7,300 *
250	40.0	214.0	6,400 *
255	38.6	207.9	5,500 *
260	37.2	201.5	4,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
330 Ft. Boom			
60	80.4	333.5	59,000 *
65	79.5	332.7	59,000 *
70	78.6	331.7	58,500 *
75	77.8	330.6	57,900 *
80	76.9	329.5	56,100 *
85	76.0	328.3	53,700 *
90	75.1	327.0	51,500 *
95	74.2	325.6	49,600 *
100	73.3	324.2	47,700 *
105	72.4	322.6	46,000 *
110	71.4	321.0	43,300
115	70.5	319.3	40,300
120	69.6	317.5	37,600
125	68.7	315.6	35,100
130	67.7	313.6	32,800
135	66.8	311.5	30,700
140	65.9	309.3	28,800
145	64.9	307.0	27,000
150	63.9	304.6	25,300
155	63.0	302.1	23,800
160	62.0	299.5	22,300
165	61.0	296.8	21,000
170	60.0	293.9	19,700
175	59.0	291.0	18,500
180	58.0	287.9	17,400
185	56.9	284.7	16,300
190	55.9	281.4	15,300
195	54.8	278.0	14,400
200	53.8	274.4	13,500
205	52.7	270.6	12,600
210	51.6	266.8	11,800
215	50.5	262.7	11,000
220	49.3	258.5	10,300
225	48.2	254.1	9,600
230	47.0	249.6	8,900
235	45.8	244.8	8,300
240	44.6	239.8	7,700
245	43.3	234.6	7,000 *
250	42.1	229.2	6,100 *
255	40.7	223.6	5,300 *
260	39.4	217.6	4,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
340 Ft. Boom			
60	80.7	343.7	55,700 *
65	79.8	342.8	55,000 *
70	79.0	341.9	54,300 *
75	78.1	340.9	53,700 *
80	77.3	339.8	53,000 *
85	76.4	338.6	51,600 *
90	75.5	337.4	49,500 *
95	74.7	336.0	47,600 *
100	73.8	334.6	45,800 *
105	72.9	333.1	44,200 *
110	72.0	331.5	42,600 *
115	71.1	329.9	39,900
120	70.2	328.1	37,200
125	69.3	326.3	34,700
130	68.4	324.3	32,400
135	67.5	322.3	30,300
140	66.6	320.2	28,300
145	65.7	318.0	26,500
150	64.8	315.7	24,900
155	63.8	313.3	23,300
160	62.9	310.8	21,900
165	61.9	308.2	20,500
170	61.0	305.4	19,200
175	60.0	302.6	18,000
180	59.0	299.7	16,900
185	58.0	296.6	15,900
190	57.0	293.4	14,900
195	56.0	290.1	13,900
200	55.0	286.7	13,000
205	54.0	283.1	12,200
210	52.9	279.4	11,300
215	51.9	275.5	10,600
220	50.8	271.5	9,800
225	49.7	267.4	9,100
230	48.6	263.1	8,500
235	47.4	258.6	7,800
240	46.3	253.9	7,200
245	45.1	249.0	6,600
250	43.9	243.9	5,800 *
255	42.7	238.6	5,000 *
260	41.4	233.0	4,100 *