

Clamshell/Grapple Capacities

Boom No. B10:350
57,500 lb Crane Counterweight
0 lb Carbody Counterweight
360 Degree Rating

MLC150-1 SERIES 0



LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and may be based on percent of static tipping or strength of structural components. Capacities must be reduced by applicable deducts.

Weight of bucket is considered part of load. Where no capacity is shown, operation is not intended or approved.

Clamshell/grapple capacities shown are intended for limited duration applications. Continuous operation at these capacities may reduce component life.

OPERATING CONDITIONS: Machine to operate on a firm, level, and uniformly supporting surface. Refer to Boom Rigging **No. 80117858**, Wire Rope Specifications chart **No. 9834-B**, and Counterweight Arrangements chart **No. 9828-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to the Operator Manual for operating guidelines.

WIND CONDITIONS: Machine may be operated in winds up to 35 mph provided crane operator judgment is used to allow for wind effect on lifted load and other considerations noted on capacity chart are followed. Wind speed to be measured at boom point elevation. **Operation is not permitted when wind is above 35 mph.** Park crane with bucket on ground or secured and position boom at 50 degrees. Lower boom onto blocking at ground level when wind is above 50 mph.

MACHINE TRAVEL: Machine to travel on a firm, level, and uniformly supporting surface. Boom must be within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specifications chart **No. 9832-B**.



OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of gravity of freely suspended load.



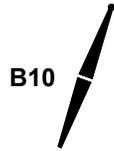
BOOM ANGLE: Boom angle in degrees (°) is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

MACHINE EQUIPMENT: Machine equipped with 26 ft 2 in. crawlers, 48 in. treads, 17 ft 5 in. gantry, drums 1 and 2, 10 part boom hoist reeving, boom straps, 57,500 lb crane counterweight, and 0 lb carbody counterweight.

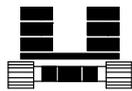
Raising Ability Over End or Side of Crawlers	
Boom Length (ft)	Bucket Weight (lb)
49.2 - 98.4	8,500
108.3	6,800
118.1 - 128.0	4,600

Bucket weight includes the weight of all blocks, hooks, bucket, weight ball, slings and hoist lines beneath boom point sheaves.

Explanation of Symbols



Boom No. B10:350



Crane Counterweight
+
Carbody Counterweight



360 Degree Rating



Boom Length



Operating Radius
(see page 1)



Boom Angle
(see page 1)



Lifting Capacities
(see page 1)

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57,500 lb
+
0 lb



49.2 ft

ft	°	lb
28	63.0	29,600
30	60.3	29,600
32	57.5	29,600
34	54.6	29,600
36	51.6	29,600
38	48.5	29,600
40	45.2	29,600
42	41.6	29,600
44	37.8	29,600
46	33.6	29,600
48	28.8	29,200

59.1 ft

ft	°	lb
32	63.5	29,600
34	61.3	29,600
36	59.0	29,600
38	56.6	29,600
40	54.2	29,600
42	51.7	29,600
44	49.2	29,600
46	46.5	29,600
48	43.6	28,900
50	40.6	27,400
55	32.1	24,000

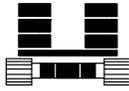
68.9 ft

ft	°	lb
36	63.9	29,600
38	62.0	29,600
40	60.0	29,600
42	58.1	29,600
44	56.0	29,600
46	54.0	29,600
48	51.8	28,600
50	49.7	27,200
55	43.8	23,800
60	37.2	21,000
65	29.3	18,500

REFERENCE ONLY

MLC150-1 S-0



 57,500 lb
+
0 lb



78.7 ft

ft	°	lb
40	64.1	29,600
42	62.5	29,600
44	60.8	29,600
46	59.1	29,500
48	57.4	28,000
50	55.6	26,600
55	51.0	23,300
60	46.0	20,500
65	40.6	18,100
70	34.4	16,000

88.6 ft

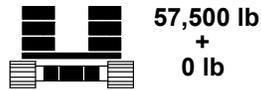
ft	°	lb
46	62.9	28,900
48	61.4	27,500
50	59.9	26,100
55	56.0	22,900
60	52.0	20,200
65	47.7	17,800
70	43.0	15,700
75	37.9	13,900
80	32.1	12,200

98.4 ft

ft	°	lb
50	63.2	25,300
55	59.9	22,300
60	56.4	19,600
65	52.8	17,300
70	49.0	15,200
75	44.9	13,400
80	40.5	11,800
85	35.7	10,300
90	30.2	8,900

REFERENCE ONLY

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108.3 ft		
ft	°	lb
55	62.9	21,900
60	59.8	19,300
65	56.7	17,000
70	53.4	15,000
75	50.0	13,200
80	46.4	11,600
85	42.5	10,200
90	38.4	8,800
95	33.8	7,400

118.1 ft		
ft	°	lb
60	62.6	18,700
65	59.8	16,400
70	56.9	14,400
75	53.9	12,700
80	50.8	11,100
85	47.6	9,700
90	44.2	8,200
95	40.5	6,700
100	36.5	5,200

128.0 ft		
ft	°	lb
65	62.4	15,900
70	59.8	14,000
75	57.1	12,200
80	54.4	10,700
85	51.6	9,200
90	48.6	7,700
95	45.5	6,200
100	42.2	4,700

REFERENCE ONLY!