

Clamshell/Grapple Capacities

Boom No. B10:350
57,500 lb Crane Counterweight
0 lb Carbody Counterweight
Crawler Machine on a Barge
0 Degree thru 1 Degree and
1 Degree thru 3 Degree Static Machine List
No Travel - 360 Degree Rating

MLC150-1 SERIES 0



LIFTING CAPACITIES: Lifting capacities are for a crawler machine when operating on a barge. Machine shall be positively secured to prevent shifting. 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 and uniformly supporting surface with machine list not to exceed degrees noted. 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, 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.



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



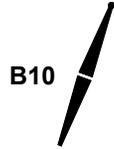
BOOM ANGLE: Boom angle in degrees (°) is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

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

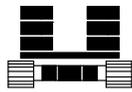
Raising Ability Over End or Side of Crawlers		
Boom Length (ft)	Machine List	
	0° - 1°	1° - 3°
	Bucket Weight (lb)	
42.7 - 88.6	8,500	8,500
98.4	8,500	7,700
108.3	6,800	6,000
118.1	4,600	4,600
128.0	4,600	4,600

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)



Machine List



Lifting Capacities
(see page 1)

MLC150-1 S-0



57,500 lb
+
0 lb

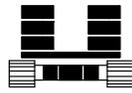


49.2 ft			
ft	o	lb	lb
30	60.3	29,600	29,600
32	57.5	29,600	29,600
34	54.6	29,600	29,600
36	51.6	29,600	29,600
38	48.5	29,600	29,600
40	45.2	29,600	29,500
42	41.6	29,600	28,000
44	37.8	29,600	26,500
46	33.6	28,400	25,200
48	28.8	27,200	24,000

59.1 ft			
ft	o	lb	lb
34	61.3	29,600	
36	59.0	29,600	28,300
38	56.6	29,600	28,300
40	54.2	29,600	28,300
42	51.7	29,600	28,000
44	49.2	29,600	26,500
46	46.5	28,400	25,200
48	43.6	27,200	24,000
50	40.6	26,000	22,900
55	32.1	23,500	20,400

REFERENCE ONLY

MLC150-1 S-0



57,500 lb
+
0 lb



68.9 ft

		0° - 1°	1° - 3°
ft	o	lb	lb
38	62.0	29,600	
40	60.0	29,600	27,200
42	58.1	29,600	27,200
44	56.0	29,600	26,500
46	54.0	28,400	25,200
48	51.8	27,200	24,000
50	49.7	26,000	22,900
55	43.8	23,200	20,500
60	37.2	20,500	18,500
65	29.3	18,100	16,700

78.7 ft

		0° - 1°	1° - 3°
ft	o	lb	lb
42	62.5	29,600	
44	60.8	29,600	26,400
46	59.1	28,300	25,100
48	57.4	26,900	23,900
50	55.6	25,500	22,800
55	51.0	22,500	20,400
60	46.0	19,900	18,400
65	40.6	17,600	16,600
70	34.4	15,600	14,800

REFERENCE ONLY

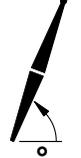
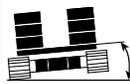
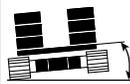
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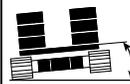
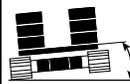
57,500 lb
+
0 lb



 **88.6 ft**

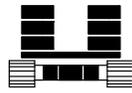
							
ft		°		lb		lb	
46	62.9			27,600			
48	61.4			26,200			
50	59.9			24,900		22,800	
55	56.0			22,000		20,200	
60	52.0			19,400		18,000	
65	47.7			17,200		16,000	
70	43.0			15,200		14,200	
75	37.9			13,500		12,600	
80	32.1			11,900		11,200	

 **98.4 ft**

							
ft		°		lb		lb	
50	63.2			24,100			
55	59.9			21,200		19,300	
60	56.4			18,700		17,100	
65	52.8			16,500		15,200	
70	49.0			14,600		13,400	
75	44.9			12,900		11,900	
80	40.5			11,300		10,500	
85	35.7			9,900		9,200	
90	30.2			8,600		7,900	

REFERENCE ONLY

MLC150-1 S-0



57,500 lb
+
0 lb

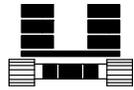


108.3 ft			
ft	o	lb	lb
		0° - 1°	1° - 3°
55	62.9	20,700	
60	59.8	18,300	16,500
65	56.7	16,200	14,700
70	53.4	14,300	13,000
75	50.0	12,600	11,500
80	46.4	11,100	10,100
85	42.5	9,700	8,800
90	38.4	8,400	7,500
95	33.8	7,000	6,200

118.1 ft			
ft	o	lb	lb
		0° - 1°	1° - 3°
60	62.6	17,600	
65	59.8	15,500	13,800
70	56.9	13,700	12,200
75	53.9	12,000	10,700
80	50.8	10,500	9,400
85	47.6	9,100	8,000
90	44.2	7,700	6,600
95	40.5	6,200	5,200
100	36.5	4,800	

REFERENCE ONLY

MLC150-1 S-0



57,500 lb
+
0 lb



ft	o	lb	lb
65	62.4	14,900	
70	59.8	13,100	11,500
75	57.1	11,500	10,100
80	54.4	10,000	8,700
85	51.6	8,600	7,300
90	48.6	7,100	5,800
95	45.5	5,600	

REFERENCE ONLY!