

Clamshell/Grapple Capacities

Boom No. B10:82A
114,600 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

MLC250 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. 80137888, Wire Rope Specifications chart No. 9909-B, and Counterweight Arrangements chart No. 9893-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.

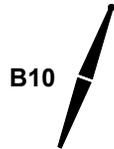


BOOM ANGLE: Boom angle in degrees (°) is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

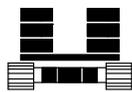
MACHINE EQUIPMENT: Machine equipped with 28 ft 2 in. crawlers, 48 in. or 60 in. treads, 10 ft 3 in. retractable gantry, 30 ft live mast, 20 part boom hoist reeving, and boom support straps.

Raising Ability Over End or Side of Crawlers			
Boom Length (ft)	Maximum Number of Lower Boom Point Sheaves	Machine List	
		0° - 1°	1° - 3°
		Bucket Weight (lb)	
70.0 - 120.0	8	10,000	10,000
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. B10:82A



Crane Counterweight
+
Carbody Counterweight



360 Degree Rating



Boom Length



Operating Radius
(see page 1)



Boom Angle
(see page 1)

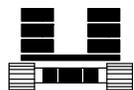


Machine List



Lifting Capacities
(see page 1)

MLC250 S-0



114,600 lb
+
0 lb

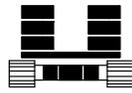


70.0 ft			
ft	o	0° - 1° lb	1° - 3° lb
35	67.5	30,000	30,000
40	63.0	30,000	30,000
45	58.2	30,000	30,000
50	53.1	30,000	30,000
55	47.6	30,000	30,000
60	41.6	30,000	30,000
65	34.7	30,000	30,000
70	26.1	30,000	30,000

80.0 ft			
ft	o	0° - 1° lb	1° - 3° lb
40	66.6	30,000	30,000
45	62.6	30,000	30,000
50	58.4	30,000	30,000
55	54.0	30,000	30,000
60	49.3	30,000	30,000
65	44.3	30,000	30,000
70	38.7	30,000	30,000
75	32.3	30,000	30,000

REFERENCE ONLY

MLC250 S-0



114,600 lb
+
0 lb

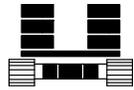


90.0 ft			
ft	o	lb	lb
		0° - 1°	1° - 3°
40	69.4	30,000	30,000
45	65.9	30,000	30,000
50	62.3	30,000	30,000
55	58.6	30,000	30,000
60	54.7	30,000	30,000
65	50.6	30,000	30,000
70	46.3	30,000	30,000
75	41.6	30,000	30,000
80	36.3	30,000	28,000
85	30.3	29,400	26,000

100.0 ft			
ft	o	lb	lb
		0° - 1°	1° - 3°
45	68.4	30,000	30,000
50	65.3	30,000	30,000
55	62.1	30,000	30,000
60	58.7	30,000	30,000
65	55.3	30,000	30,000
70	51.6	30,000	30,000
75	47.8	30,000	30,000
80	43.7	30,000	28,100
85	39.3	29,500	26,000
90	34.4	26,800	24,200
95	28.7	24,400	22,600

REFERENCE ONLY

MLC250 S-0



114,600 lb
+
0 lb



110.0 ft

ft	°	0° - 1° lb		1° - 3° lb	
		lb	lb	lb	lb
50	67.7	30,000	30,000		
55	64.8	30,000	30,000		
60	61.9	30,000	30,000		
65	58.9	30,000	30,000		
70	55.7	30,000	30,000		
75	52.4	30,000	30,000		
80	49.0	30,000	27,900		
85	45.4	29,000	25,800		
90	41.5	26,400	24,000		
95	37.3	24,000	22,400		
100	32.7	21,800	20,500		
105	27.2	19,900	18,800		

120.0 ft

ft	°	0° - 1° lb		1° - 3° lb	
		lb	lb	lb	lb
50	69.7	30,000	30,000		
55	67.1	30,000	30,000		
60	64.4	30,000	30,000		
65	61.7	30,000	30,000		
70	58.9	30,000	30,000		
75	56.1	30,000	30,000		
80	53.1	30,000	27,900		
85	50.0	28,900	25,800		
90	46.8	26,200	24,000		
95	43.3	23,900	22,100		
100	39.7	21,800	20,200		
105	35.6	19,900	18,500		
110	31.2	18,100	17,000		
115	26.0	16,500	15,600		

REFERENCE ONLY