

Clamshell/Grapple Capacities

Boom No. B10:82A
114,600 lb Crane Counterweight
0 lb Carbody Counterweight
360 Degree Rating

MLC250
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. 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, 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. 9907-A**.



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

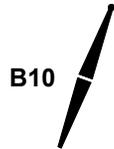


BOOM ANGLE: Boom angle in degrees (°) is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

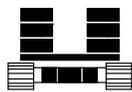
MACHINE EQUIPMENT: Machine equipped with 28 ft 2 in. crawlers, 48 in. or 60 in. treads, 10 ft 3 in. retractable gantry, 30 ft live mast, 20 part boom hoist reeving, and boom support straps.

Raising Ability Over End or Side of Crawlers		
Boom Length (ft)	Maximum Number of Lower Boom Point Sheaves	Bucket Weight (lb)
70.0 - 120.0	8	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)



Lifting Capacities
(see page 1)

MLC250 S-0



114,600 lb
+
0 lb



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

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

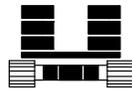
90.0 ft		
ft	°	lb
40	69.4	30,000
45	65.9	30,000
50	62.3	30,000
55	58.6	30,000
60	54.7	30,000
65	50.6	30,000
70	46.3	30,000
75	41.6	30,000
80	36.3	30,000
85	30.3	30,000

REFERENCE ONLY

MLC250 S-0



B10



114,600 lb
+
0 lb



100.0 ft

ft	°	lb
45	68.4	30,000
50	65.3	30,000
55	62.1	30,000
60	58.7	30,000
65	55.3	30,000
70	51.6	30,000
75	47.8	30,000
80	43.7	30,000
85	39.3	30,000
90	34.4	27,600
95	28.7	25,000

110.0 ft

ft	°	lb
50	67.7	30,000
55	64.8	30,000
60	61.9	30,000
65	58.9	30,000
70	55.7	30,000
75	52.4	30,000
80	49.0	30,000
85	45.4	30,000
90	41.5	27,300
95	37.3	24,800
100	32.7	22,500
105	27.2	20,500

120.0 ft

ft	°	lb
50	69.7	30,000
55	67.1	30,000
60	64.4	30,000
65	61.7	30,000
70	58.9	30,000
75	56.1	30,000
80	53.1	30,000
85	50.0	30,000
90	46.8	27,300
95	43.3	24,800
100	39.7	22,600
105	35.6	20,600
110	31.2	18,700
115	26.0	17,100

REFERENCE ONLY