

Clamshell/Grapple Capacities

Boom No. B10:82A
51 980 kg Crane Counterweight
0 kg 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 16 m/s 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 16 m/s.** 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 22 m/s.



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

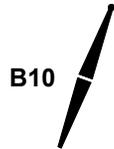


BOOM ANGLE: Boom angle in degrees (°) is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

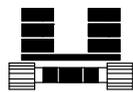
MACHINE EQUIPMENT: Machine equipped with 8 585 mm crawlers, 1 200 mm or 1 524 mm treads, 3 124 mm retractable gantry, 9 144 mm live mast, 20 part boom hoist reeving, and boom support straps.

Raising Ability Over End or Side of Crawlers			
Boom Length (m)	Maximum Number of Lower Boom Point Sheaves	Machine List	
		0° - 1°	1° - 3°
		Bucket Weight (kg)	
21,3 - 36,6	8	4 525	4 525
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



51 980 kg
+
0 kg



21,3 m

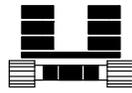
		kg		kg	
10,7	67,5	13 600	13 600		
11,0	66,5	13 600	13 600		
12,0	63,5	13 600	13 600		
13,0	60,4	13 600	13 600		
14,0	57,2	13 600	13 600		
15,0	53,9	13 600	13 600		
16,0	50,4	13 600	13 600		
18,0	42,8	13 600	13 600		
20,0	33,8	13 600	13 600		

24,4 m

		kg		kg	
12,2	66,6	13 600	13 600		
13,0	64,5	13 600	13 600		
14,0	61,8	13 600	13 600		
15,0	59,1	13 600	13 600		
16,0	56,2	13 600	13 600		
18,0	50,2	13 600	13 600		
20,0	43,6	13 600	13 600		
22,0	36,0	13 600	13 600		

REFERENCE

MLC250 S-0



51 980 kg
+
0 kg



27,4 m

		0° - 1°	1° - 3°
m	o	kg	kg
12,2	69,4	13 600	13 600
13,0	67,5	13 600	13 600
14,0	65,2	13 600	13 600
15,0	62,9	13 600	13 600
16,0	60,5	13 600	13 600
18,0	55,5	13 600	13 600
20,0	50,1	13 600	13 600
22,0	44,3	13 600	13 600
24,0	37,7	13 600	12 900

30,5 m

		0° - 1°	1° - 3°
m	o	kg	kg
13,7	68,4	13 600	13 600
14,0	67,9	13 600	13 600
15,0	65,8	13 600	13 600
16,0	63,7	13 600	13 600
18,0	59,4	13 600	13 600
20,0	54,8	13 600	13 600
22,0	50,0	13 600	13 600
24,0	44,8	13 600	12 900
26,0	39,0	13 300	11 700
28,0	32,3	11 700	10 700

REFERENCE ONLY

MLC250 S-0



51 980 kg
+
0 kg



33,5 m

		0° - 1°	1° - 3°
		kg	kg
		13 600	13 600
15,2	67,7	13 600	13 600
16,0	66,3	13 600	13 600
18,0	62,4	13 600	13 600
20,0	58,5	13 600	13 600
22,0	54,3	13 600	13 600
24,0	49,9	13 600	12 900
26,0	45,2	13 100	11 600
28,0	40,0	11 500	10 600
30,0	34,2	10 200	9 500
32,0	27,3	9 000	8 500

36,6 m

		0° - 1°	1° - 3°
		kg	kg
		13 600	13 600
15,2	69,7	13 600	13 600
16,0	68,4	13 600	13 600
18,0	64,9	13 600	13 600
20,0	61,4	13 600	13 600
22,0	57,7	13 600	13 600
24,0	53,9	13 600	12 800
26,0	49,8	13 000	11 600
28,0	45,5	11 500	10 500
30,0	40,8	10 100	9 400
32,0	35,7	9 000	8 400
34,0	29,7	8 000	7 500

REFERENCE