

Clamshell/Grapple Capacities

Boom No. B10:350
26 090 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

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 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.



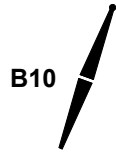
BOOM ANGLE: Boom angle in degrees (°) is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

MACHINE EQUIPMENT: Machine equipped with 7 980 mm crawlers, 1 200 mm treads, 5 300 mm gantry, load drums 1 and 2, 10 part boom hoist reeving, boom straps, 26 090 kg crane counterweight, and 0 kg carbody counterweight.

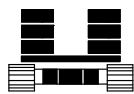
Raising Ability Over End or Side of Crawlers		
Boom Length (m)	Machine List	
	0° - 1°	1° - 3°
	Bucket Weight (kg)	
15,0 - 27,0	3 850	3 850
30,0	3 850	3 475
33,0	3 075	2 700
36,0	2 075	2 075
39,0	2 075	2 075

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

Explanation of Symbols



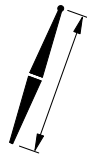
Boom No. B10:350



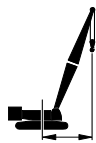
Crane Counterweight
+
Carbody Counterweight



360 Degree Rating



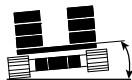
Boom Length



Operating Radius
(see page 1)



Boom Angle
(see page 1)

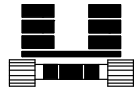
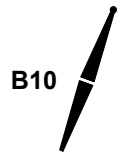


Machine List



Lifting Capacities
(see page 1)

MLC150-1 S-0



26 090 kg
+
0 lb



15,0 m

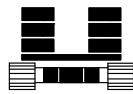
		0° - 1°		1° - 3°	
		kg		kg	
9,1	60,3	13 400	13 400	13 400	13 400
10,0	56,3	13 400	13 400	13 400	13 400
12,0	46,2	13 400	13 400	13 400	13 400
14,0	33,7	12 900	12 900	11 400	11 400

18,0 m

		0° - 1°		1° - 3°	
		kg		kg	
10,4	61,3	13 400	13 400	12 800	12 800
12,0	55,0	13 400	13 400	11 400	11 400
14,0	46,6	12 900	12 900	9 800	9 800
16,0	36,7	11 200	11 200		

REFERENCE ONLY

MLC150-1 S-0



26 090 kg
+
0 lb

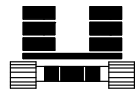


21,0 m			
m	o	0° - 1° kg	1° - 3° kg
11,6	62,0	13 400	
12,0	60,6	13 400	
14,0	54,0	12 900	11 400
16,0	46,8	11 100	9 800
18,0	38,5	9 500	8 500

24,0 m			
m	o	0° - 1° kg	1° - 3° kg
12,8	62,5	13 400	
14,0	59,1	12 800	11 400
16,0	53,3	10 900	9 800
18,0	47,0	9 200	8 500
20,0	39,8	7 800	7 400

REFERENCE ONLY

MLC150-1 S-0



26 090 kg
+
0 lb

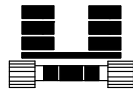
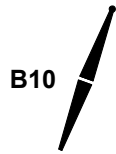


27,0 m			
m	o	0° - 1° kg	1° - 3° kg
14,0	62,9	12 500	9 700
16,0	58,0	10 600	8 300
18,0	52,8	9 000	7 100
20,0	47,1	7 700	6 100
22,0	40,9	6 500	5 200
24,0	33,7	5 500	4 500

30,0 m			
m	o	0° - 1° kg	1° - 3° kg
15,2	63,2	10 900	7 900
16,0	61,5	10 200	6 800
18,0	57,0	8 700	5 800
20,0	52,3	7 400	4 900
22,0	47,2	6 300	4 100
24,0	41,6	5 300	3 400
26,0	35,4	4 400	2 800

REFERENCE

MLC150-1 S-0



26 090 kg
+
0 lb

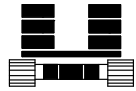
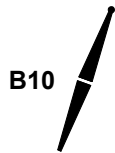


33,0 m			
m	o	0° - 1° kg	1° - 3° kg
16,8	62,9	9 400	
18,0	60,4	8 500	
20,0	56,3	7 200	6 500
22,0	52,0	6 100	5 600
24,0	47,3	5 200	4 700
26,0	42,3	4 300	3 900
28,0	36,8	3 500	3 100

36,0 m			
m	o	0° - 1° kg	1° - 3° kg
18,3	62,6	8 000	
20,0	59,4	6 900	6 200
22,0	55,6	5 800	5 200
24,0	51,6	4 900	4 400
26,0	47,4	4 100	3 600
28,0	42,8	3 200	2 700
30,0	37,8	2 300	

REFERENCE ONLY

MLC150-1 S-0



26 090 kg
+
0 lb



<p>39,0 m</p>			
<p>α</p>	<p>α</p>	<p>0° - 1°</p>	<p>1° - 3°</p>
m		kg	kg
19,8	62,4	6 800	
20,0	62,0	6 700	
22,0	58,6	5 600	4 900
24,0	55,1	4 700	4 100
26,0	51,4	3 800	3 200
28,0	47,5	2 900	

REFERENCE ONLY!