

# Clamshell/Grapple Capacities

**Boom No. B10:76A**  
**114,600 lb Crane Counterweight**  
**0 lb Carbody Counterweight**  
**360 Degree Rating**

**MLC200**  
**SERIES 1**



**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. 80149429**, Wire Rope Specifications chart **No. A018-B**, and Counterweight Arrangements chart **No. A004-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. A016-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 27 ft 2 in. crawlers, 48 in. treads, 10 ft 3 in. retractable gantry, 27 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)
65.6 - 134.5	7	8,000

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

## Explanation of Symbols



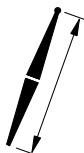
Boom No. B10:76A



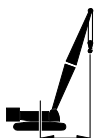
Crane Counterweight  
+  
Carbody Counterweight



360 Degree Rating



Boom Length



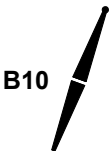
Operating Radius  
(see page 1)



Boom Angle  
(see page 1)











Lifting Capacities  
(see page 1)







 114,600 lb  
+  
0 lb



 65.6 ft		
 ft	 °	 lb
40	60.9	26,000
45	55.7	26,000
50	50.1	26,000
55	43.9	26,000
60	36.9	26,000
65	28.3	26,000

 75.5 ft		
 ft	 °	 lb
40	65.1	26,000
45	60.8	26,000
50	56.2	26,000
55	51.4	26,000
60	46.2	26,000
65	40.5	26,000
70	34.0	26,000
75	26.0	24,800

 85.3 ft		
 ft	 °	 lb
40	68.2	26,000
45	64.4	26,000
50	60.6	26,000
55	56.6	26,000
60	52.4	26,000
65	47.9	26,000
70	43.1	26,000
75	37.7	24,800
80	31.6	22,400

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95.1 ft		
ft	°	lb
45	67.3	26,000
50	63.9	26,000
55	60.5	26,000
60	56.9	26,000
65	53.2	26,000
70	49.2	26,000
75	45.0	24,500
80	40.5	21,900
85	35.4	19,300
90	29.6	17,000

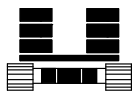
105.0 ft		
ft	°	lb
45	69.5	26,000
50	66.6	26,000
55	63.5	26,000
60	60.4	26,000
65	57.2	26,000
70	53.8	26,000
75	50.3	24,500
80	46.6	21,900
85	42.6	19,400
90	38.3	17,200
95	33.5	15,000
100	27.9	12,900

114.8 ft		
ft	°	lb
50	68.7	26,000
55	66.0	26,000
60	63.2	26,000
65	60.3	26,000
70	57.4	26,000
75	54.3	23,800
80	51.1	21,200
85	47.8	18,800
90	44.2	16,500
95	40.5	14,400
100	36.3	12,300
105	31.8	10,300

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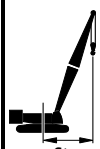


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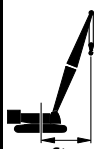




114,600 lb  
+  
0 lb



360°

 124.7 ft		
 ft	 °	 lb
55	68.0	26,000
60	65.5	26,000
65	62.9	26,000
70	60.2	25,900
75	57.5	23,300
80	54.7	20,700
85	51.8	18,300
90	48.8	16,100
95	45.6	13,900
100	42.2	11,900
105	38.6	9,800

 134.5 ft		
 ft	 °	 lb
55	69.7	26,000
60	67.4	26,000
65	65.0	26,000
70	62.6	25,100
75	60.2	22,500
80	57.7	19,900
85	55.1	17,500
90	52.4	15,300
95	49.6	13,100
100	46.7	11,100
105	43.7	8,800

REFERENCE ONLY!