

Clamshell/Grapple Capacities

Boom No. 74A
36 000 kg Crane Counterweight
0 kg Carbody Counterweight
360 Degree Rating

MLC165-1

 **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.

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 in a level position on a firm uniformly supporting surface. Refer to Boom Rigging **No. 81023602** and Wire Rope Specification chart **No. 9558-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 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.

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 Specification chart **No. 9557-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 7 986 mm crawlers, 1 100 mm treads, 7 200 mm live mast, 18 part boom hoist reeving, boom support straps, 36 000 kg crane counterweight, and 0 kg carbody counterweight.



36 000 kg Crane Counterweight
4 Side Boxes

WARNING: Free fall operation is limited to 5 900 kg per part of line when lowering load with free fall clutch/brake pedal. Hydraulic power must be used for full line pull.

Explanation of Symbols



Boom No. 74A



Crane Counterweight
+
Carbody Counterweight



360 Degree Rating



Boom Length



Operating Radius
(see page 1)



Boom Angle
(see page 1)



Lifting Capacities
(see page 1)

MLC165-1



36 000 kg
+
0 kg



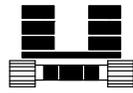
15,0 m		
m	°	kg
7,6	69,4	11 700
9,0	63,6	11 700
11,0	54,4	11 700
13,0	43,9	11 700
15,0	30,4	11 700

18,0 m		
m	°	kg
9,1	67,8	11 700
11,0	61,2	11 700
13,0	53,4	11 700
15,0	44,7	11 700
17,0	34,2	11 600

21,0 m		
m	°	kg
10,7	66,6	11 700
11,0	65,6	11 700
13,0	59,4	11 700
15,0	52,6	11 700
17,0	45,2	11 400
19,0	36,5	9 300
21,0	25,2	7 600

REFERENCE ONLY

MLC165-1



36 000 kg
+
0 kg



24,0 m		
m	°	kg
10,7	69,7	11 700
11,0	68,9	11 700
13,0	63,6	11 700
15,0	58,0	11 700
17,0	52,1	11 300
19,0	45,6	9 300
21,0	38,2	7 700
23,0	29,1	6 300

27,0 m		
m	°	kg
12,2	68,6	11 700
13,0	66,8	11 700
15,0	62,0	11 700
17,0	57,0	11 200
19,0	51,7	9 300
21,0	45,9	7 700
23,0	39,5	6 400
25,0	31,9	5 200

30,0 m		
m	°	kg
13,7	67,7	11 700
15,0	65,0	11 700
17,0	60,7	10 900
19,0	56,1	9 100
21,0	51,3	7 500
23,0	46,1	6 200
25,0	40,4	5 100
27,0	33,9	4 100

REFERENCE ONLY

MLC165-1



36 000 kg
+
0 kg

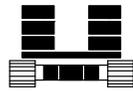


33,0 m		
m	°	kg
13,7	69,9	11 700
15,0	67,5	11 700
17,0	63,6	10 800
19,0	59,6	9 000
21,0	55,4	7 500
23,0	51,0	6 200
25,0	46,3	5 100
27,0	41,2	4 200
29,0	35,5	3 300

36,0 m		
m	°	kg
15,2	69,0	11 700
17,0	66,0	10 500
19,0	62,4	8 800
21,0	58,7	7 300
23,0	54,8	6 000
25,0	50,8	4 900
27,0	46,5	4 000
29,0	41,8	3 100

39,0 m		
m	°	kg
16,8	68,3	10 500
17,0	67,9	10 300
19,0	64,7	8 600
21,0	61,4	7 100
23,0	57,9	5 900
25,0	54,4	4 800
27,0	50,6	3 900
29,0	46,6	3 000

REFERENCE ONLY



36 000 kg
+
0 kg



<p>42,0 m</p>		
<p>m</p>	<p>°</p>	<p>kg</p>
16,8	69,9	10 200
17,0	69,6	10 000
19,0	66,6	8 300
21,0	63,6	6 900
23,0	60,5	5 600
25,0	57,3	4 600
27,0	53,9	3 600
29,0	50,4	2 800

REFERENCE ONLY!