

# Clamshell/Grapple Capacities

**Boom No. 76**  
**57 610 kg Crane Counterweight**  
**0 kg Carbody Counterweight**  
**360 Degree Rating**

## 14000 SERIES 1

**LIFTING CAPACITIES:** Capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 67.5% of a static tipping load. Capacities are based on tipping, structural competence(\*), operating speeds and other factors.

Weight of bucket is considered part of load. Where no capacity is shown, operation is not intended or approved.

All boom lengths require only the middle two sheaves in lower boom point. All other sheaves must be removed from lower boom point.

Weight of bucket is considered part of load. Where no capacity is shown, operation is not intended or approved.

**OPERATING CONDITIONS:** Machine to operate in a level position on a firm uniformly supporting surface with gantry up. Refer to boom rigging **No. A16106** and Wire Rope Specification chart **No. 8789-B**. Crane operator judgment must be used to allow for adverse operating conditions and physical machine depreciation. Refer to Operator's Manual for operating guidelines.

**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 8 280 mm crawlers, 1 219 mm treads, 3 124 mm retractable gantry, 8 230 mm live mast, 20 part boom hoist reeving, boom support straps, 57 610 kg crane counterweight, and 0 kg carbody counterweight.

### Upper Boom Point Deduct

Deduct 500 kg from capacities when upper boom point is attached.

Oper. Rad. Meters	Boom Ang. Deg.	Boom Capacity Kilograms
<b>20,0 m</b>		
10,7	64,9	11 700 *
12,0	60,6	11 700 *
14,0	53,6	11 700 *
16,0	45,8	11 300 *
18,0	36,8	10 200 *

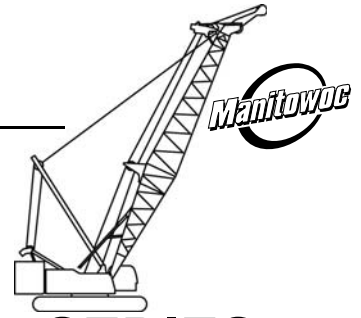
Oper. Rad. Meters	Boom Ang. Deg.	Boom Capacity Kilograms
<b>23,0 m</b>		
10,7	68,4	11 700 *
12,0	64,8	11 700 *
14,0	59,0	11 700 *
16,0	52,9	11 300 *
18,0	46,2	10 200 *
20,0	38,5	9 200 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Capacity Kilograms
<b>26,0 m</b>		
12,2	67,4	11 700 *
14,0	63,0	11 700 *
16,0	57,8	11 300 *
18,0	52,3	10 200 *
20,0	46,4	9 200 *
22,0	39,8	8 300 *
24,0	31,9	7 600 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Capacity Kilograms
<b>29,0 m</b>		
13,7	66,6	11 700 *
14,0	66,0	11 700 *
16,0	61,5	11 300 *
18,0	56,9	10 200 *
20,0	51,9	9 200 *
22,0	46,6	8 300 *
24,0	40,7	7 600 *
26,0	34,0	7 000 *

# Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



## Clamshell/Grapple Capacities

Boom No. 76

57 610 kg Crane Counterweight

0 kg Carbody Counterweight

360 Degree Rating

### 14000 SERIES 1

Oper. Rad. Meters	Boom Ang. Deg.	Boom Capacity Kilograms
<b>32,0 m</b>		
15,2	66,0	11 700 *
16,0	64,4	11 300 *
18,0	60,4	10 200 *
20,0	56,1	9 200 *
22,0	51,6	8 300 *
24,0	46,8	7 600 *
26,0	41,5	7 000 *
28,0	35,6	6 500 *
30,0	28,6	6 100 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Capacity Kilograms
<b>35,0 m</b>		
16,8	65,4	10 900 *
18,0	63,1	10 200 *
20,0	59,4	9 200 *
22,0	55,4	8 300 *
24,0	51,3	7 600 *
26,0	46,9	7 000 *
28,0	42,1	6 500 *
30,0	36,8	6 100 *
32,0	30,8	5 700 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Capacity Kilograms
<b>38,0 m</b>		
18,3	64,9	10 000 *
20,0	62,0	9 200 *
22,0	58,5	8 300 *
24,0	54,9	7 600 *
26,0	51,0	7 000 *
28,0	47,0	6 500 *
30,0	42,6	6 100 *
32,0	37,9	5 700 *
34,0	32,5	5 400 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Capacity Kilograms
<b>41,0 m</b>		
18,3	66,9	10 000 *
20,0	64,3	9 200 *
22,0	61,1	8 300 *
24,0	57,8	7 600 *
26,0	54,4	7 000 *
28,0	50,8	6 500 *
30,0	47,1	6 100 *
32,0	43,1	5 700 *
34,0	38,7	5 400 *

REFERENCED ONLY!