



# Clamshell/Grapple Capacities

**Boom No. 84**  
**32 430 kg Counterweight**  
**360 Degree Rating**

## 555 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.

**OPERATING CONDITIONS:** Machine to operate in a level position on a firm uniformly supporting surface. Refer to boom rigging **No. A00952** and Wire Rope Specification chart **No. 8443-B**. Crane operator judgment must be used to allow for adverse operating conditions and physical machine depreciation. Refer to operators 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 is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius.

**MACHINE EQUIPMENT:** Machine equipped with 7 264 mm crawlers, 1 219 mm treads, 7 010 mm live mast,

16 part boom hoist reeving, boom support straps, rotating bed No. A01066<sup>1</sup> or No. A03188 (refer to I.D. plate at front of rotating bed) and 32 430 kg crane counterweight.

<sup>1</sup>**WARNING:** 570 kg front counterweight is required for cranes with rotating bed No. A01066 that do not have free-fall option. Counterweight can be removed only if crane has free-fall option on both front and rear drums.



32 430 kg Crane Counterweight  
4 Side Boxes

**Wire Rope Guide Deduct**  
(For Third Line)

Deduct 270 kg from boom capacities when upper wire rope guide (No. A04352) for third line is attached.

Oper. Rad. Meters	Boom Ang. Deg.	Boom Capacity Kilograms
<b>15.2m (50 Ft.) BOOM</b>		
8.5	66.2	11 300 *
10.0	59.9	11 300 *
12.0	50.5	11 300 *
14.0	39.5	11 300 *
<b>18.3m (60 Ft.) BOOM</b>		
9.8	66.3	11 300 *
10.0	65.4	11 300 *
12.0	58.2	11 300 *
14.0	50.3	11 300 *
16.0	41.2	11 300 *
18.0	30.0	11 000 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Capacity Kilograms
<b>21.3m (70 Ft.) BOOM</b>		
11.0	66.3	11 300 *
12.0	63.2	11 300 *
14.0	56.9	11 300 *
16.0	50.1	11 300 *
18.0	42.5	11 000 *
20.0	33.4	9 500 *
<b>24.4m (80 Ft.) BOOM</b>		
11.6	67.9	11 300 *
12.0	66.8	11 300 *
14.0	61.5	11 300 *
16.0	55.9	11 300 *
18.0	49.9	11 100 *
20.0	43.3	9 600 *
22.0	35.7	8 100 *
24.0	26.2	6 900 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Capacity Kilograms
<b>27.4m (90 Ft.) BOOM</b>		
13.7	65.6	11 300 *
14.0	65.0	11 300 *
16.0	60.2	11 300 *
18.0	55.2	10 900 *
20.0	49.8	9 400 *
22.0	44.0	8 000 *
24.0	37.4	6 800 *
26.0	29.6	5 800 *
<b>30.5m (100 Ft.) BOOM</b>		
15.2	65.1	11 300 *
16.0	63.5	11 300 *
18.0	59.1	11 000 *
20.0	54.6	9 500 *
22.0	49.8	8 000 *
24.0	44.5	6 900 *
26.0	38.8	5 900 *
28.0	32.1	5 000 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Capacity Kilograms
<b>33.5m (110 Ft.) BOOM</b>		
15.2	67.5	11 300 *
16.0	66.1	11 300 *
18.0	62.2	10 800 *
20.0	58.2	9 300 *
22.0	54.1	7 900 *
24.0	49.7	6 700 *
26.0	45.0	5 700 *
28.0	39.8	4 800 *
30.0	34.0	4 100 *
32.0	27.0	3 400 *
<b>36.6m (120 Ft.) BOOM</b>		
16.8	66.9	11 300 *
18.0	64.7	10 700 *
20.0	61.2	9 100 *
22.0	57.5	7 800 *
24.0	53.7	6 600 *
26.0	49.6	5 600 *
28.0	45.3	4 800 *
30.0	40.6	4 000 *
32.0	35.5	3 400 *
34.0	29.5	2 800 *