

# Clamshell/Grapple Capacities

**Boom No. 111 With Open Throat Top**  
**28,500 Lb. Counterweight**  
**19 Ft. 4 in. Crawlers Extended**  
**360 Degree Rating**

**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 with crawlers fully extended and gantry up. Refer to boom rigging **No. 911959** or **No. 912877** and Wire Rope Specification chart **No. 9131-A**. 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 the center of gravity of the 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 19 Ft. 4 in. extendible crawlers, 35-1/2 in. treads, 15 Ft. 6 in. retractable gantry, 10 part boom hoist reeving, two 1-1/4 in. boom pendants and 28,500 Lb. counterweight.

Oper. Radius Feet	Boom Angle Deg.	Boom Capacity Pounds
<b>40 Ft. Boom</b>		
20	67.5	17,500 *
25	59.4	17,500 *
30	50.5	17,500 *
35	40.2	17,500 *
40	26.8	17,500 *
<b>50 Ft. Boom</b>		
25	66.0	17,500 *
30	59.5	17,500 *
35	52.5	17,500 *
40	44.8	17,500 *
45	35.7	16,600
50	23.8	14,100

Oper. Radius Feet	Boom Angle Deg.	Boom Capacity Pounds
<b>60 Ft. Boom</b>		
30	65.0	17,500 *
35	59.6	17,500 *
40	53.8	17,500 *
45	47.6	16,400
50	40.6	14,100
55	32.5	12,300
60	21.7	10,500
<b>70 Ft. Boom</b>		
30	68.8	17,500 *
35	64.3	17,500 *
40	59.7	17,500 *
45	54.8	16,300
50	49.5	14,000
55	43.8	12,200
60	37.5	10,800
65	29.9	9,500