



Clamshell/Grapple Capacities

2250 SERIES 1

Boom No. 44 With Heavy Lift Top
107,100 Lb. Counterweight
360 Degree Rating

LIFTING CAPACITIES: Lifting 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 gantry up. Refer to boom rigging **No. 179809**, Wire Rope Specification chart **No. 8152-A** and Counterweight Arrangement chart **No. 8026-A**. Crane operator judgment must

be used to allow for adverse operating conditions and physical machine depreciation.

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 30 Ft. 9 in. crawlers, 48 in. treads, 28 Ft. retractable gantry, 12 part boom hoist reeving, boom support straps and 107,100 Lb. counterweight.

Oper. Rad. Feet	Boom Ang. Deg.	Boom Capacity Pounds
70 Ft. BOOM		
35	69.4	32,000 *
40	64.9	32,000 *
45	60.2	32,000 *
50	55.2	32,000 *
55	49.9	32,000 *
60	44.1	32,000 *
65	37.5	32,000 *
70	29.6	32,000 *
80 Ft. BOOM		
40	68.3	32,000 *
45	64.3	32,000 *
50	60.2	32,000 *
55	55.8	32,000 *
60	51.3	32,000 *
65	46.4	32,000 *
70	41.0	32,000 *
75	34.8	32,000 *
80	27.5	32,000 *
90 Ft. BOOM		
45	67.4	32,000 *
50	63.8	32,000 *
55	60.1	32,000 *
60	56.3	32,000 *
65	52.3	32,000 *
70	48.1	32,000 *
75	43.5	32,000 *
80	38.4	32,000 *
85	32.7	32,000 *
90	25.8	32,000 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Capacity Pounds
100 Ft. BOOM		
50	66.6	32,000 *
55	63.4	32,000 *
60	60.1	32,000 *
65	56.7	32,000 *
70	53.1	32,000 *
75	49.4	32,000 *
80	45.4	32,000 *
85	41.1	32,000 *
90	36.3	32,000 *
95	30.9	32,000 *
100	24.3	32,000 *
110 Ft. BOOM		
55	66.0	32,000 *
60	63.1	32,000 *
65	60.1	32,000 *
70	57.0	32,000 *
75	53.8	32,000 *
80	50.4	32,000 *
85	46.9	32,000 *
90	43.1	32,000 *
95	39.0	32,000 *
100	34.5	32,000 *
105	29.3	32,000 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Capacity Pounds
120 Ft. BOOM		
60	65.5	32,000 *
65	62.9	32,000 *
70	60.1	32,000 *
75	57.3	32,000 *
80	54.3	32,000 *
85	51.3	32,000 *
90	48.1	32,000 *
95	44.7	32,000 *
100	41.1	32,000 *
105	37.2	31,500
110	32.9	29,100
115	28.0	26,900
130 Ft. BOOM		
65	65.1	32,000 *
70	62.6	32,000 *
75	60.1	32,000 *
80	57.5	32,000 *
85	54.8	32,000 *
90	52.0	32,000 *
95	49.1	32,000 *
100	46.0	32,000 *
105	42.8	31,500
110	39.4	29,100
115	35.7	26,900
120	31.5	24,900
125	26.8	23,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Capacity Pounds
140 Ft. BOOM		
65	67.0	32,000 *
70	64.8	32,000 *
75	62.5	32,000 *
80	60.1	32,000 *
85	57.7	32,000 *
90	55.2	32,000 *
95	52.6	32,000 *
100	49.9	32,000 *
105	47.2	30,900
110	44.2	28,500
115	41.2	26,300
120	37.9	24,300
125	34.3	22,500
130	30.3	20,900
135	25.8	19,300