

Clamshell/Grapple Capacities

222HD

Boom No. 222HD With Open Throat Top
53,300 Lb. Counterweight
22 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. 911764** and Wire Rope Specification chart **No. 9064-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 22 Ft. 4 in. extendible crawlers, 36 in. treads, 15 Ft. 6 in. retractable gantry, 10 part boom hoist reeving, two 1-1/4 in. boom pendants, 1st counterweight = 28,500 Lb. and 2nd counterweight = 24,800 Lb.

Oper. Rad. Feet	Boom Ang. Deg.	Boom Capacity Pounds
40 Ft. BOOM		
22	65.4	30,000 *
24	62.1	30,000 *
26	58.8	30,000 *
28	55.3	30,000 *
30	51.7	30,000 *
32	47.9	30,000 *
34	43.8	28,800 *
36	39.4	24,700 *
38	34.4	20,700 *
40	28.8	17,000 *
50 Ft. BOOM		
26	65.6	30,000 *
28	63.0	30,000 *
30	60.4	30,000 *
32	57.7	30,000 *
34	54.9	29,400 *
36	52.0	26,500 *
38	49.0	23,900 *
40	45.8	21,800 *
45	37.0	17,200 *
50	25.5	11,100 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Capacity Pounds
60 Ft. BOOM		
30	65.7	30,000 *
32	63.6	30,000 *
34	61.4	29,500 *
36	59.2	26,600 *
38	56.9	24,000 *
40	54.6	21,800 *
45	48.4	17,300 *
50	41.6	14,000 *
55	33.6	11,300 *
60	23.2	7,200 *
70 Ft. BOOM		
34	65.8	29,800 *
36	64.0	26,800 *
38	62.2	24,200 *
40	60.3	21,900 *
45	55.4	17,400 *
50	50.2	14,000 *
55	44.6	11,400 *
60	38.3	9,300 *
65	30.9	7,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Capacity Pounds
80 Ft. BOOM		
38	65.9	23,900 *
40	64.3	21,700 *
45	60.2	17,100 *
50	56.0	13,700 *
55	51.5	11,000 *
60	46.7	8,900 *
65	41.5	7,200 *
70	35.7	5,800 *
90 Ft. BOOM		
40	67.4	18,600 *
45	63.8	17,000 *
50	60.2	13,500 *
55	56.5	10,800 *
60	52.5	8,700 *
65	48.3	6,900 *
70	43.9	5,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Capacity Pounds
100 Ft. BOOM		
45	66.6	15,200 *
50	63.5	13,200 *
55	60.2	10,500 *
60	56.8	8,300 *
65	53.3	6,600 *
70	49.6	5,100 *