



222

222EX

Clamshell/Grapple Capacities

Boom No. 222 With Open Throat Top
28,500 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. 193744 or No. 912644 and Wire Rope Specification chart No. 9073-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 and 28,500 Lb. counterweight.

Oper. Radius Feet	Boom Angle Deg.	Boom Capacity Pounds
40 Ft. BOOM		
20	66.8	17,600 *
22	63.7	17,600 *
24	60.4	17,600 *
26	57.0	17,600 *
28	53.5	17,600 *
30	49.8	17,600 *
32	45.9	17,600 *
34	41.8	17,600 *
36	37.2	17,600 *
38	32.1	17,600 *
40	26.1	17,600 *
50 Ft. BOOM		
24	66.7	17,600 *
26	64.2	17,600 *
28	61.6	17,600 *
30	59.0	17,600 *
32	56.3	17,600 *
34	53.4	17,600 *
36	50.5	17,600 *
38	47.5	17,600 *
40	44.2	17,600 *
45	35.2	17,600 *
50	23.3	15,300 *

Oper. Radius Feet	Boom Angle Deg.	Boom Capacity Pounds
60 Ft. BOOM		
28	66.7	17,600 *
30	64.6	17,600 *
32	62.4	17,600 *
34	60.3	17,600 *
36	58.0	17,600 *
38	55.7	17,600 *
40	53.4	17,600 *
45	47.1	17,600 *
50	40.2	16,200
55	32.0	14,200
60	21.2	11,600 *
70 Ft. BOOM		
34	64.9	17,600 *
36	63.0	17,600 *
38	61.2	17,600 *
40	59.3	17,600 *
45	54.4	17,600 *
50	49.1	16,100
55	43.4	14,100
60	37.1	12,500
65	29.5	11,200

Oper. Radius Feet	Boom Angle Deg.	Boom Capacity Pounds
80 Ft. BOOM		
38	65.0	17,600 *
40	63.5	17,600 *
45	59.4	17,600 *
50	55.1	15,900
55	50.6	13,900
60	45.8	12,300
65	40.5	11,000
70	34.6	9,900
75	27.6	9,000 *
90 Ft. BOOM		
40	66.6	17,600 *
45	63.1	17,600 *
50	59.4	15,800
55	55.7	13,800
60	51.7	12,200
65	47.5	10,900
70	43.0	9,800
75	38.1	8,800
80	32.5	8,000
85	26.0	7,300 *

Oper. Radius Feet	Boom Angle Deg.	Boom Capacity Pounds
100 Ft. BOOM		
45	66.0	17,600 *
50	62.8	15,700
55	59.5	13,700
60	56.1	12,100
65	52.6	10,800
70	48.8	10,000
75	44.9	8,700
80	40.7	7,900
85	36.0	7,200
90	30.8	6,500
95	24.6	5,700 *