

Dragline 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 75% 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. 910557** and Wire Rope Specification chart **No. 9075-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		
32	45.9	18,000 *
34	41.8	18,000 *
36	37.2	18,000 *
38	32.1	18,000 *
40	26.1	18,000 *
50 Ft. BOOM		
38	47.5	18,000 *
40	44.2	18,000 *
42	40.8	17,300 *
44	37.1	16,500 *
46	33.1	15,700 *
48	28.6	15,100 *

Oper. Radius Feet	Boom Angle Deg.	Boom Capacity Pounds
60 Ft. BOOM		
46	45.8	15,700 *
48	43.1	15,100 *
50	40.2	14,500 *
52	37.1	13,900 *
54	33.8	13,400 *
56	30.1	12,900 *
58	26.0	12,500 *
70 Ft. BOOM		
52	46.9	13,900 *
54	44.6	13,400 *
56	42.2	12,900 *
58	39.7	12,500 *
60	37.1	12,100 *
62	34.2	11,700 *
64	31.2	11,300 *
66	27.8	11,000 *

Oper. Radius Feet	Boom Angle Deg.	Boom Capacity Pounds
80 Ft. BOOM		
60	45.8	12,100 *
62	43.7	11,700 *
64	41.6	11,300 *
66	39.4	11,000 *
68	37.0	10,600 *
70	34.6	10,300 *
72	31.9	10,000 *
74	29.1	9,600 *
90 Ft. BOOM		
66	46.6	11,000 *
68	44.8	10,600 *
70	43.0	10,300 *
72	41.1	10,000 *
74	39.1	9,600 *
76	37.0	9,100 *
78	34.8	8,600 *
80	32.5	8,200 *
82	30.1	7,800 *
84	27.4	7,400 *

Oper. Radius Feet	Boom Angle Deg.	Boom Capacity Pounds
100 Ft. BOOM		
74	45.7	9,600 *
76	44.1	9,100 *
78	42.4	8,600 *
80	40.7	8,200 *
82	38.9	7,800 *
84	37.0	7,400 *
86	35.0	7,100 *
88	33.0	6,700 *
90	30.8	6,400 *
92	28.5	6,100 *