

Dragline Capacities

222
222EX

Boom No. 222 With Open Throat Top
28,500 Lb. Counterweight
22 Ft. 4 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

LIFTING CAPACITIES: Capacities are for a crawler machine with crawlers extended when operating on a barge. Machine shall be positively secured to prevent shifting. 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, gantry up and machine list not to exceed degrees noted. 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 at barge deck to 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.

Maximum Boom Length Lifted Unassisted	
List	Boom Length
0 Degree	100 Ft.
1 Degree	100 Ft.
2 Degree	90 Ft.
3 Degree	80 Ft.
Load block, hook and weight ball on barge deck at start.	

Oper. Radius Feet	Boom Angle Deg.	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
40 Ft. BOOM						
32	45.9	18,000 *	16,100 *	15,000 *	14,000 *	32
34	41.8	18,000 *	16,100 *	15,000 *	14,000 *	34
36	37.2	18,000 *	16,100 *	15,000 *	14,000 *	36
38	32.1	18,000 *	16,100 *	15,000 *	14,000 *	38
40	26.1	18,000 *	16,100 *	15,000 *	14,000 *	40
50 Ft. BOOM						
38	47.5	18,000 *	15,900 *	14,800 *	13,800 *	38
40	44.2	18,000 *	15,900 *	14,800 *	13,800 *	40
42	40.8	17,300 *	15,900 *	14,800 *	13,800 *	42
44	37.1	16,500 *	15,300 *	14,400 *	13,600 *	44
46	33.1	15,700 *	14,600 *	13,700 *	13,000 *	46
48	28.6	15,100 *	14,000 *	13,100 *	12,400 *	48

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60 Ft. BOOM						
46	45.8	15,700 *	14,600 *	13,700 *	12,900 *	46
48	43.1	15,100 *	14,000 *	13,100 *	12,300 *	48
50	40.2	14,500 *	13,400 *	12,500 *	11,800 *	50
52	37.1	13,900 *	12,900 *	12,000 *	11,300 *	52
54	33.8	13,400 *	12,400 *	11,500 *	10,800 *	54
56	30.1	12,900 *	11,900 *	11,100 *	10,400 *	56
58	26.0	12,500 *	11,500 *	10,700 *	10,000 *	58
70 Ft. BOOM						
52	46.9	13,900 *	12,800 *	12,000 *	11,200 *	52
54	44.6	13,400 *	12,300 *	11,500 *	10,800 *	54
56	42.2	12,900 *	11,900 *	11,000 *	10,300 *	56
58	39.7	12,500 *	11,500 *	10,600 *	9,900 *	58
60	37.1	12,100 *	11,100 *	10,200 *	9,600 *	60
62	34.2	11,700 *	10,700 *	9,900 *	9,200 *	62
64	31.2	11,300 *	10,300 *	9,500 *	8,900 *	64
66	27.8	11,000 *	10,000 *	9,200 *	8,600 *	66
80 Ft. BOOM						
60	45.8	12,100 *	11,000 *	10,200 *	9,500 *	60
62	43.7	11,700 *	10,600 *	9,800 *	9,100 *	62
64	41.6	11,300 *	10,300 *	9,500 *	8,800 *	64
66	39.4	11,000 *	10,000 *	9,200 *	8,500 *	66
68	37.0	10,600 *	9,700 *	8,900 *	8,200 *	68
70	34.6	10,300 *	9,400 *	8,600 *	7,900 *	70
72	31.9	10,000 *	9,100 *	8,300 *	7,700 *	72
74	29.1	9,600 *	8,800 *	8,100 *	7,400 *	74
90 Ft. BOOM						
66	46.6	11,000 *	9,900 *	9,100 *		66
68	44.8	10,600 *	9,600 *	8,800 *		68
70	43.0	10,300 *	9,300 *	8,500 *		70
72	41.1	10,000 *	9,100 *	8,300 *		72
74	39.1	9,600 *	8,800 *	8,000 *		74
76	37.0	9,100 *	8,600 *	7,800 *		76
78	34.8	8,600 *	8,300 *	7,600 *		78
80	32.5	8,200 *	8,000 *	7,300 *		80
82	30.1	7,800 *	7,600 *	7,100 *		82
84	27.4	7,400 *	7,200 *	6,900 *		84
100 Ft. BOOM						
74	45.7	9,600 *	8,800 *			74
76	44.1	9,100 *	8,500 *			76
78	42.4	8,600 *	8,300 *			78
80	40.7	8,200 *	7,900 *			80
82	38.9	7,800 *	7,500 *			82
84	37.0	7,400 *	7,100 *			84
86	35.0	7,100 *	6,800 *			86
88	33.0	6,700 *	6,500 *			88
90	30.8	6,400 *	6,100 *			90
92	28.5	6,100 *	5,800 *			92