

Clamshell/Grapple Capacities

Boom No. 40

88,000 lb Counterweight

Crawler Machine on a Barge

0 Degree thru 1 Degree and

1 Degree thru 3 Degree Static Machine List

360 Degree Rating

4600 VICON

CAPACITIES: Capacities are for a crawler machine when operating on a barge. Machine must be positively secured to prevent shifting. 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 on a firm uniformly supporting surface with machine list not to exceed degrees noted. Refer to boom rigging **No. 190765** and **No. 191528**, Wire Rope Specification chart **No. 6559-A** and power plant and counterweight arrangement chart **No. 6655-A**. Crane operator judgment must be used to allow for adverse operating conditions and physical machine depreciation. Refer to Operator's Manual for operating guidelines.

OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation at barge deck, to center of gravity of freely suspended load. Boom angle is angle above true horizontal of a line drawn through boom hinge pin and boom point shaft centerline.

MACHINE EQUIPMENT: Machine equipped with 26 ft 1 in. crawlers, 60 in. treads, 30 ft heavy duty mast, 12 part mast hoist reeving, and four 1-3/8 in. boom pendants, two 3/4 in. intermediate suspension pendants as specified on rigging drawing and 88,000 lb counterweight.

Oper. Radius Feet	Boom Angle Deg.	0 Degree Thru 1 Degree Machine List Boom Capacity Pounds	1 Degree Thru 3 Degree Machine List Boom Capacity Pounds
100.0 ft Boom			
55	61.9	36,000 *	
60	58.7	36,000 *	36,000 *
65	55.2	36,000 *	36,000 *
70	51.7	36,000 *	36,000 *
75	47.9	36,000 *	36,000 *
80	43.9	36,000 *	36,000 *
85	39.6	36,000 *	36,000 *
90	34.9	36,000 *	36,000 *
120.0 ft Boom			
65	61.6	36,000 *	
70	58.9	36,000 *	36,000 *
75	56.0	36,000 *	36,000 *
80	53.1	36,000 *	36,000 *
85	50.1	36,000 *	36,000 *
90	46.9	36,000 *	36,000 *
95	43.5	36,000 *	34,900
100	39.9	34,600	32,700
105	36.0	32,300	30,600
110	31.8	30,300	28,800
140.0 ft Boom			
75	61.4	36,000 *	
80	59.0	36,000 *	36,000 *
85	56.6	36,000 *	36,000 *
90	54.1	36,000 *	36,000 *
95	51.6	36,000 *	33,500
100	48.9	33,700	31,300
105	46.1	31,500	29,400
110	43.2	29,400	27,600
115	40.1	27,600	25,900
120	36.9	25,900	24,400
125	33.3	24,300	23,000