

Clamshell/Grapple Capacities

Boom No. 27 with Open Throat Top without Vicon Independent Boom Hoist 88,500 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 SERIES 3

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. 65030**, Wire Rope Specification chart **No. 6430** 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 Service 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 upper boom point shaft centerline.

MACHINE EQUIPMENT: Machine equipped with 26 ft 1 in. crawlers, 60 in. treads, 30 ft heavy duty mast, 99 tooth front drum gear, controlled converters, 12 part mast hoist reeving, four 1-3/8 in. boom pendants, and 88,500 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		
80.0 ft					
40 45 50 55 60 65 70 75	67.7 63.9 60.1 56.1 51.9 47.4 42.6 37.3	50,000 * 50,000 * 50,000 * 50,000 * 50,000 * 50,000 * 50,000 * 48,000 *	50,000 * 50,000 * 50,000 * 50,000 * 50,000 * 50,000 * 47,900 * 44,400 *		
90.0 ft					
45 50 55 60 65 70 75	66.9 63.5 60.1 56.5 52.8 48.9 44.7	50,000 * 50,000 * 50,000 * 50,000 * 50,000 * 50,000 * 47,700	50,000 * 50,000 * 50,000 * 50,000 * 50,000 * 47,800 * 44,200 *		
80 85	40.2 35.2	43,600 39,900	41,100 37,800		
100.0 ft					
55 60 65 70 75 80 85 90 95	63.2 60.1 56.9 53.5 50.0 46.3 42.4 38.1 33.4	50,000 * 50,000 * 50,000 * 50,000 * 47,400 43,200 39,700 36,500 33,600	50,000 * 50,000 * 50,000 * 47,700 * 44,000 40,400 37,200 34,400 31,900		

Manitowoc Cranes 9326-A, 2014-02-07



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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		
120.0 ft					
65 70 75 80 85	62.7 60.1 57.4 54.6 51.7	50,000 * 50,000 * 45,900 * 42,100 * 38,600	49,600 * 45,600 * 42,000 * 38,700 35,600		
90 95 100 105 110	48.7 45.6 42.2 38.7 34.8	35,500 32,700 30,200 27,900 25,900	32,900 30,400 28,200 26,200 24,300		
140.0 ft					
85 90 95 100 105 110 115 120 125 130 135	57.7 55.4 52.9 50.4 47.7 45.0 42.1 39.1 35.8 32.3 28.3	37,400 * 34,400 * 31,700 * 29,300 * 27,000 * 25,000 * 23,100 * 21,300 * 19,700 * 18,200 * 16,800 *	33,800 * 31,300 * 29,000 * 26,900 * 25,000 * 23,200 * 21,500 * 20,000 * 18,600 * 17,300 * 16,000 *		