

# CLAMSHELL CAPACITIES 3900 VICON

## BOOM NO. 8 WITH OPEN THROAT TOP 58,500 LB. COUNTERWEIGHT

**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. Capacities based on structural competence are shown by shaded areas.

Capacities are shown in pounds. Weight of bucket is considered part of the load. Where no capacity is shown, operation is not intended or approved.

**OPERATING CONDITIONS:** Machine is to be operated by controlled converter lowering of the load for capacities above 20,000 lbs. Machine to operate in a level position on a firm surface with gantry in working position and be rigged in accordance with and under conditions referred to in rigging

drawing No. 42925, No. 43258, No. 48029, No. 48237 or No. 49990, and wire rope specification chart No. 6651-A.

Crane operator judgment must be used to allow for adverse operating conditions and physical machine depreciation.

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

**MACHINE EQUIPMENT:** Machine equipped with 20'4" crawlers, 38" or 48" treads, 15' retractable gantry, 10 or 12 part boom hoist reeving, two 1-1/2" boom pendants, or 1 5/8" boom pendants, 1st cwt. = 32,000 lbs., 2nd cwt. = 26,500 lbs.

Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Capacity:	Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Capacity:
60	30	66.1	28,000	100	45	66.8	28,000
	32	64.0	28,000		50	63.7	28,000
	34	62.0	28,000		55	60.6	25,700
	36	59.9	28,000		60	57.3	22,800
	38	57.7	28,000		65	53.9	20,300
	40	55.5	28,000		70	50.4	18,200
	45	49.8	28,000		75	46.6	16,500
	50	43.5	28,000		80	42.7	15,000
70	55	36.3	27,000		85	38.4	13,700
	34	66.1	28,000		90	33.6	12,500
	36	64.4	28,000	110	50	66.2	28,000
	38	62.6	28,000		55	63.4	25,500
	40	60.8	28,000		60	60.5	22,500
	45	56.2	28,000		65	57.5	20,100
	50	51.3	28,000		70	54.5	18,000
	55	46.0	26,600		75	51.3	16,200
80	60	40.2	23,600		80	47.9	14,700
	65	33.6	21,200		85	44.4	13,400
	38	66.1	28,000		90	40.6	12,200
	40	64.6	28,000		95	36.6	11,200
	45	60.7	28,000		100	32.0	10,300
	50	56.6	28,000	120	55	65.7	25,100
	55	52.4	26,300		60	63.1	22,100
	60	47.8	23,400		65	60.5	19,700
90	65	43.0	20,900		70	57.7	17,600
	70	37.6	18,900		75	54.9	15,900
	75	31.5	17,100		80	52.0	14,300
	40	67.5	28,000		85	49.0	13,000
	45	64.1	28,000		90	45.8	11,900
	50	60.6	28,000		95	42.5	10,800
	55	57.0	26,000		100	38.9	9,900
	60	53.2	23,000		105	35.0	9,100
90	65	49.3	20,500		110	30.7	8,300
	70	45.0	18,500				
	75	40.5	16,700				
90	80	35.4	15,200				
	85	29.7	13,900				