

# CLAMSHELL CAPACITIES

## 3950D VICON

### BOOM NO. 39A WITH OPEN THROAT TOP 8 PART CONTINUOUS BOOM HOIST REEVING 73,000 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. Raising or lowering of boom must be done without load on boom. 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 lb.

Machine to operate in a level position on a firm surface. Refer to rigging No. 162782 and wire rope specification chart No. 6687-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 and the upper boom point shaft centerline.

**MACHINE EQUIPMENT:** Machine equipped with 24' extendible crawlers, 48" treads, 15'-6" fixed gantry, 8 part continuous boom hoist reeving, 1st cwt. = 43,000 lb. 2nd cwt. = 30,000 lb.

Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended	Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
70	34	67.0	32,000	32,000	100	45	67.5	32,000	32,000
	36	65.3	32,000	32,000		50	64.4	32,000	32,000
	38	63.6	32,000	32,000		55	61.3	32,000	32,000
	40	61.8	32,000	32,000		60	58.1	32,000	32,000
	45	57.3	32,000	32,000		65	54.8	32,000	32,000
	50	52.5	32,000	32,000		70	51.3	29,100	32,000
	55	47.4	32,000	32,000		75	47.6	26,500	30,300
	60	41.9	32,000	32,000		80	43.8	24,200	27,800
	65	35.6	32,000	32,000		85	39.6	22,300	25,600
	70	28.2	30,200	32,000		90	35.0	20,500	23,600
80	38	67.0	32,000	32,000	110	95	29.9	19,000	21,900
	40	65.5	32,000	32,000		100	23.7	17,700	19,400
	45	61.6	32,000	32,000		50	66.8	32,000	32,000
	50	57.6	32,000	32,000		55	64.0	32,000	32,000
	55	53.5	32,000	32,000		60	61.2	32,000	32,000
	60	49.0	32,000	32,000		65	58.3	31,800	32,000
	65	44.3	32,000	32,000		70	55.2	28,700	32,000
	70	39.2	29,800	32,000		75	52.1	26,100	30,000
	75	33.3	27,100	31,000		80	48.8	23,900	27,400
	80	26.4	24,900	28,000		85	45.4	21,900	25,200
90	40	68.2	32,000	32,000	120	90	41.7	20,200	23,200
	45	64.9	32,000	32,000		95	37.7	18,600	21,500
	50	61.4	32,000	32,000		100	33.4	17,300	20,000
	55	57.9	32,000	32,000		105	28.5	16,100	18,600
	60	54.2	32,000	32,000		55	66.3	32,000	32,000
	65	50.3	32,000	32,000		60	63.7	32,000	32,000
	70	46.2	29,400	32,000		65	61.1	31,500	32,000
	75	41.8	26,800	30,600		70	58.4	28,400	32,000
	80	36.9	24,500	28,100		75	55.6	25,800	29,700
	85	31.5	22,600	25,800		80	52.8	23,500	27,100
	90	25.0	20,900	23,200		85	49.8	21,600	24,900
						90	46.7	19,900	22,900
						95	43.4	18,300	21,200
						100	39.9	17,000	19,600
						105	36.1	15,700	18,300
						110	32.0	14,600	17,000
						115	27.3	13,600	15,600