

CLAMSHELL CAPACITIES

BOOM NO. 40
88,000 LB. COUNTERWEIGHT

4600
SERIES-1

CLAMSHELL 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 to operate in a level position on a firm surface. Refer to rigging No. 190765 or 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.

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 boom point shaft centerline.

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

Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Capacity:
100	55	61.9	36,000
	60	58.7	36,000
	65	55.2	36,000
	70	51.7	36,000
110	75	47.9	36,000
	80	43.9	36,000
	85	39.6	36,000
	90	34.9	36,000
120	60	64.3	36,000
	65	61.6	36,000
	70	58.9	36,000
	75	56.0	36,000
130	80	53.1	36,000
	85	50.1	36,000
	90	46.9	36,000
	95	43.5	36,000
140	100	39.9	35,700
	105	36.0	33,300
	110	31.8	31,200

Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Capacity:
140	70	63.7	36,000
	75	61.4	36,000
	80	59.0	36,000
	85	56.6	36,000
150	90	54.1	36,000
	95	51.6	36,000
	100	48.9	35,100
	105	46.1	32,800
160	110	43.2	30,600
	115	40.1	28,700
	120	36.9	26,900
	125	33.3	25,300