

**MANITOWOC ENGINEERING CO.**

Division of The Manitowoc Company, Inc.

**DRAGLINE CAPACITIES ————— 3900B, 3900 VICON****BOOM NO. 8 WITH OPEN THROAT TOP
HINGED FAIRLEAD
58,500 LB. COUNTERWEIGHT**

LIFTING CAPACITIES: Capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities are based on tipping, structural competence, operating speeds and other factors. Capacities based on structural competence are denoted by shaded areas.

Capacities are shown in pounds. Weight of bucket is considered part of the load. Deduct 500 lb. from capacities based on tipping (marked with an asterisk) if lower boom point sheaves are not removed. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS: 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, wire rope specification chart No. 6663-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 1½" boom pendants or 1¾" boom pendants, 1st cwt. = 32,000 lbs., 2nd cwt. = 26,500 lbs.

CAUTION: FAIRLEAD EXTENSION LIMITS ALL LIFT CAPACITIES AT SHORTER RADII TO 20,000 LBS.

Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Capacity:
60	45	53.3	20,000
	50	47.3	20,000
	55	40.7	20,000
	60	33.1	20,000
	65	23.4	20,000
70	50	54.2	20,000
	55	49.2	20,000
	60	43.8	20,000
	65	37.7	20,000
	70	30.7	20,000
80	55	55.0	20,000
	60	50.6	20,000
	65	45.9	20,000
	70	40.9	20,000
	75	35.3	18,600 *
	80	28.7	17,000 *

Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Capacity:
90	60	55.5	20,000
	65	51.7	20,000
	70	47.6	20,000
	75	43.3	18,400 *
	80	38.5	16,800 *
100	85	33.2	15,400 *
	90	27.1	14,200 *
	65	56.0	20,000
	70	52.5	19,800 *
	75	48.9	17,900 *
110	80	45.1	16,400 *
	85	41.0	15,000 *
	90	36.5	13,700 *
	95	31.5	12,700 *
	100	25.7	11,700 *