

MANITOWOC ENGINEERING CO.

Division of The Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



CLAMSHELL/GRAPPLE CAPACITIES _____ 3950W VICON

SPLIT FRONT DRUMS
BOOM NO. 39 WITH OPEN THROAT TOP
PENDANT RIGGING
43,000 LB. COUNTERWEIGHT

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 THE LOAD. WHERE NO CAPACITY IS SHOWN, OPERATION IS NOT INTENDED OR APPROVED.

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 UNIFORMLY SUPPORTING SURFACE WITH GANTRY UP. REFER TO BOOM RIGGING NO. 160926 AND WIRE ROPE SPECIFICATION CHART NO. 6674-B. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR ADVERSE OPERATING CONDITIONS AND PHYSICAL MACHINE DEPRECIATION.

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 EQUIPPED WITH SPLIT FRONT DRUMS, ROTATING BED NO. 167159 OR MODIFICATION NO. 420764, 24' EXTENDIBLE CRAWLERS, 48" TREADS, 16'6" RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 1-1/4" BOOM PENDANTS, AND 43,000 LB. COUNTERWEIGHT.

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	CAPACITY CRAWLERS RETRACTED POUNDS	CAPACITY CRAWLERS EXTENDED POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	CAPACITY CRAWLERS RETRACTED POUNDS	CAPACITY CRAWLERS EXTENDED POUNDS
70	34	66.4	28,000*	28,000*	100	45	67.0	28,000*	28,000*
	36	64.7	28,000*	28,000*		50	64.0	28,000*	28,000*
	38	62.9	28,000*	28,000*		55	60.8	28,000*	28,000*
	40	61.1	28,000*	28,000*		60	57.6	25,600	28,000*
	45	56.5	28,000*	28,000*		65	54.2	22,800	26,700
	50	51.6	28,000*	28,000*		70	50.6	20,400	24,000
	55	46.4	28,000*	28,000*		75	46.9	18,400	21,600
	60	40.7	26,800	28,000*		80	43.0	16,600	19,600
	65	34.2	24,000	27,900		85	38.7	15,100	17,900
	70	26.3	21,600	25,100		90	34.0	13,700	16,300
80	38	66.4	28,000*	28,000*	110	95	28.6	12,500	15,000*
	40	64.9	28,000*	28,000*		100	22.1	11,500	13,700*
	45	61.0	28,000*	28,000*		50	66.4	28,000*	28,000*
	50	56.9	28,000*	28,000*		55	63.6	28,000*	28,000*
	55	52.7	28,000*	28,000*		60	60.7	25,200	28,000*
	60	48.2	26,400	28,000*		65	57.8	22,400	26,000*
	65	43.3	23,600	27,500		70	54.7	20,000	23,500*
	70	38.0	21,200	24,800		75	51.5	17,900	21,200
	75	32.0	19,200	22,400		80	48.2	16,200	19,200
	80	24.6	17,500	20,400		85	44.7	14,600	17,400
90	40	67.8	28,000*	28,000*	120	90	40.9	13,300	15,800*
	45	64.4	28,000*	28,000*		95	36.9	12,100	14,300*
	50	60.9	28,000*	28,000*		100	32.4	11,000	13,000*
	55	57.3	28,000*	28,000*		105	27.3	10,100	11,800*
	60	53.5	26,100	28,000*		55	65.9	28,000*	28,000*
	65	49.6	23,200	27,200		60	63.3	24,900	28,000*
	70	45.4	20,800	24,400		65	60.7	22,000	25,400*
	75	40.8	18,800	22,100		70	58.0	19,600	22,900*
	80	35.8	17,100	20,100		75	55.2	17,600	20,700*
	85	30.1	15,500	18,300		80	52.3	15,800	18,800*
	90	23.2	14,200	16,800		85	49.2	14,300	17,000*
						90	46.1	13,000	15,300*
						95	42.7	11,800	13,800*
						100	39.2	10,700	12,500*
						105	35.3	9,800	11,300*
						110	31.0	8,900	10,200*
						115	26.1	8,100	9,200*