

MANITOWOC ENGINEERING CO.

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



CLAMSHELL/GRAPPLE CAPACITIES _____ 888 SERIES 1

BOOM NO. 22EL

49 490 kg COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

CRAWLER MACHINE ON A BARGE

0 DEGREE THRU 1 DEGREE AND 1 DEGREE THRU 3 DEGREE MACHINE LIST

360 DEGREE RATING

CAPACITIES ARE FOR A CRAWLER MACHINE WHEN OPERATING ON A BARGE. MACHINE SHALL BE POSITIVELY SECURED TO PREVENT SHIFTING. 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 LOAD. WHERE NO CAPACITY IS SHOWN, OPERATION IS NOT INTENDED OR APPROVED.

MACHINE TO OPERATE ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH CRAWLERS FULLY EXTENDED, GANTRY UP AND MACHINE LIST NOT TO EXCEED DEGREES NOTED. REFER TO BOOM RIGGING NO. 177156 OR NO. 177353 AND WIRE ROPE SPECIFICATION CHART NO. 7963-A. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR ADVERSE OPERATING CONDITIONS AND PHYSICAL MACHINE DEPRECIATION.

OPERATING RADIUS IS HORIZONTAL DISTANCE FROM AXIS OF ROTATION AT BARGE DECK TO CENTER OF GRAVITY OF FREELY SUSPENDED LOAD. BOOM ANGLE IS ANGLE ABOVE TRUE HORIZONTAL AND A LINE DRAWN THROUGH BOOM HINGE PIN AND BOOM POINT SHAFT CENTERLINE.

MACHINE EQUIPPED WITH 8 585 mm EXTENDIBLE CRAWLERS, 1 219 mm TREADS, 3 124 mm RETRACTABLE GANTRY, 9 144 mm LIVE MAST, 20 PART BOOM HOIST REEVING, FOUR 35 mm BOOM PENDANTS, AND 49 490 kg COUNTERWEIGHT.

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	0 DEGREE THRU 1 DEGREE MACHINE LIST CAPACITY KILOGRAMS	1 DEGREE THRU 3 DEGREE MACHINE LIST CAPACITY KILOGRAMS	BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	0 DEGREE THRU 1 DEGREE MACHINE LIST CAPACITY KILOGRAMS	1 DEGREE THRU 3 DEGREE MACHINE LIST CAPACITY KILOGRAMS
21.3	70	10.7	67.5	13 600*	13 600*	33.5	110	15.2	67.7	13 600*	13 600*
		11.0	66.5	13 600*	13 600*			16.0	66.3	13 600*	13 600*
		12.0	63.5	13 600*	13 600*			18.0	62.4	13 600*	13 600*
		13.0	60.4	13 600*	13 600*			20.0	58.5	13 600*	13 600*
		14.0	57.2	13 600*	13 600*			22.0	54.3	13 600*	13 600*
		16.0	50.4	13 600*	13 600*			24.0	49.9	13 600*	12 800
		18.0	42.8	13 600*	13 600*			26.0	45.2	12 300	11 400
24.4	80	20.0	33.8	13 600*	13 600*	36.6	120	28.0	40.0	10 800	10 100
		12.2	66.6	13 600*	13 600*			30.0	34.2	9 500	8 900
		13.0	64.5	13 600*	13 600*			32.0	27.3	8 400	7 900
		14.0	61.8	13 600*	13 600*	36.6	120	16.8	67.1	13 600*	13 600*
		16.0	56.2	13 600*	13 600*			18.0	64.9	13 600*	13 600*
		18.0	50.2	13 600*	13 600*			20.0	61.4	13 600*	13 600*
		20.0	43.6	13 600*	13 600*			22.0	57.7	13 600*	13 600*
		22.0	36.0	13 600*	13 600*			24.0	53.9	13 600*	12 700
27.4	90	13.7	65.9	13 600*	13 600*	39.6	130	26.0	49.8	12 200	11 200
		14.0	65.2	13 600*	13 600*			28.0	45.5	10 700	9 800
		16.0	60.5	13 600*	13 600*			30.0	40.8	9 400	8 700
		18.0	55.5	13 600*	13 600*			32.0	35.7	8 300	7 800
		20.0	50.1	13 600*	13 600*			34.0	29.7	7 400	6 900
		22.0	44.3	13 600*	13 600*						
		24.0	37.7	13 600*	12 900*						
30.5	100	13.7	68.4	13 600*	13 600*	42.7	140				
		14.0	67.9	13 600*	13 600*						
		16.0	63.7	13 600*	13 600*						
		18.0	59.4	13 600*	13 600*						
		20.0	54.8	13 600*	13 600*						
		22.0	50.0	13 600*	13 600*						
		24.0	44.8	13 600*	12 900*						
		26.0	39.0	12 400	11 600						
		28.0	32.3	10 900	10 300						