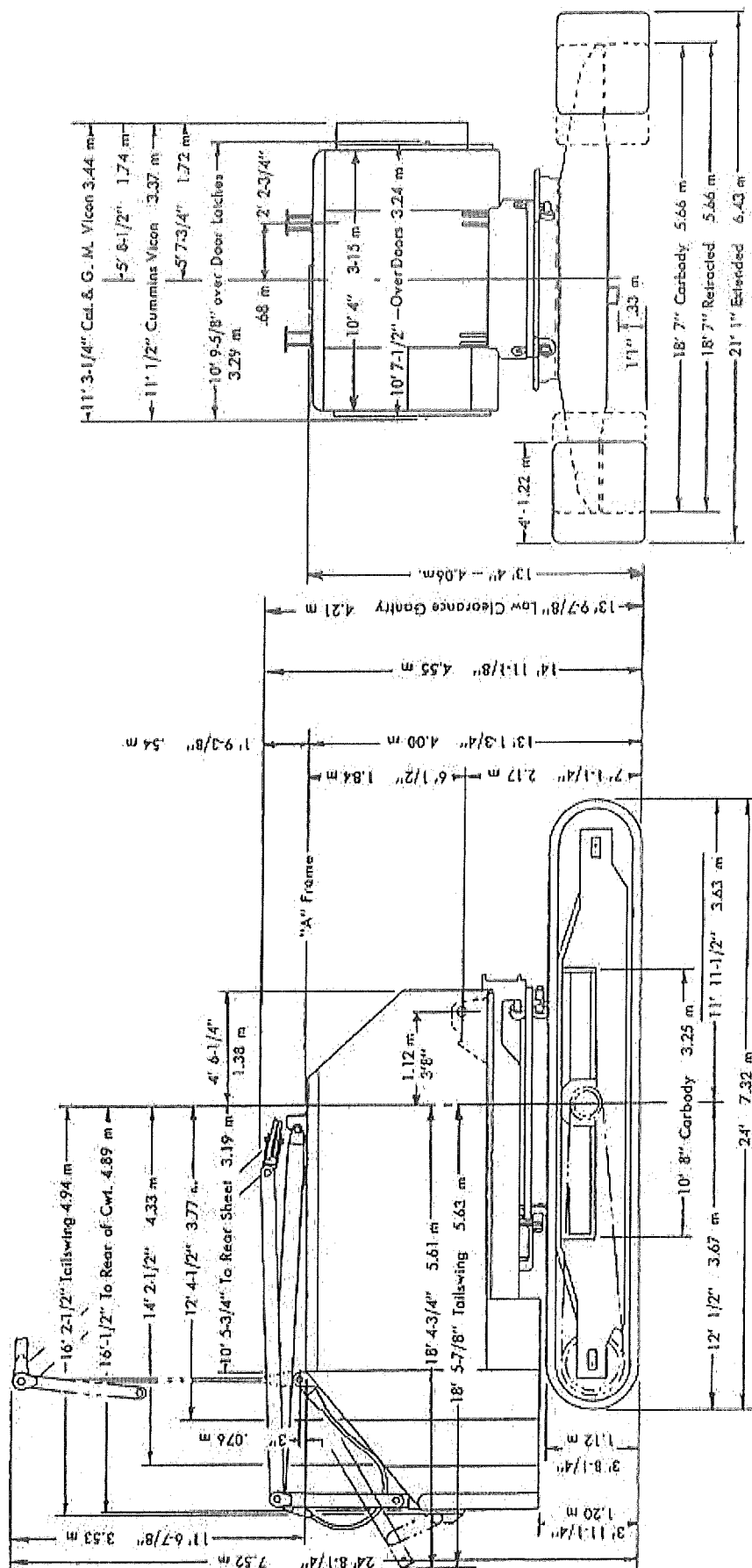


MANITOWOC ENGINEERING CO.

A Division of The Manitowoc Company, Inc.

Munich, Wisconsin



3-21-55
7 27 67

7-1-64

Drwg. Date 11-29-63



MANITOWOC 400W - 24' CRAWLERS EXTENDED

LIFT CRANE CAPACITIES - 104,400# CWT.

BOOM #17 WITH OPEN THROAT TOP

CRAWLER MACHINE ON BARGE - C DEGREE MACHINE LIST

RAD. FT.	CAPACITIES IN THOUSANDS OF LBS.											RAD. FT.				
	60	70	80	90	100	110	120	130	140	150	160		170	180	190	200
1-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1-1
2-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2-2
3-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3-3
4-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4-4
5-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5-5
6-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6-6
7-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7-7
8-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8-8
9-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9-9
10-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10-10
11-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11-11
12-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12-12
13-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13-13
14-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14-14
15-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15-15
16-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16-16
17-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17-17
18-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18-18

CAPACITIES ARE FOR A CRAWLER MACHINE WHEN OPERATING ON A BARGE. MACHINE SHALL BE POSITIVELY SECURED TO PREVENT SHIFTING. CAPACITIES ARE FOR VARIOUS BOOM LENGTHS AND OPERATING RADII ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 75% OF A STATIC TIPPING LOAD. CAPACITIES BASED ON STRUCTURAL COMPETENCE ARE DENOTED BY AN ASTERISK (*).

WEIGHT OF ALL LOAD BLOCKS, HOOKS, WEIGHT BALLS, SLINGS, HOIST LINES, BENEATH BOOM POINT SHEAVES, ETC., IS CONSIDERED PART OF THE MAIN BOOM LOAD. BOOM IS NOT TO BE LOWERED BEYOND RADII WHERE COMBINED WEIGHTS ARE GREATER THAN RATED CAPACITY. WHERE NO CAPACITY IS SHOWN, OPERATION IS NOT INTENDED OR APPROVED.

REFER TO RIGGING #48227, LOAD LINE SPECIFICATION CHART #3208 AND RANGE CHART #4796. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR DYNAMIC LOAD EFFECTS UP, SWINGING, RESISTING OR LOWERING, AS WELL AS ADVERSE OPERATING CONDITIONS AND PHYSICAL MACHINE DEPRECIATION.

OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM THE AXIS OF ROTATION AT BARGE DECK TO THE CENTER OF VERTICAL HOIST LINE OR LOAD BLOCK.

MACHINE EQUIPPED WITH 24' EXTENDIBLE CRAWLERS, 42 IN. TREADS, 15' RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, TAC 2 IN. BOOM PENCANTS, 1ST CNT. = 40,100#, 2ND CNT. = 35,800#, 3RD CNT. = 28,500#.

CJK
6/25/77, Rev. 8/1/78
CRMG, #05062

MANITOWOC ENGINEERING CO.
MANITOWOC, WISCONSIN

MANITOWOC 400CW - 24" CRAWLERS EXTENDED

LIFCRANE CAPACITIES - 104,400# CWT.

BCCM #17 WITH OPEN THROAT TOP

CRAWLER MACHINE ON BARGE - 2 DEGREE MACHINE LIST

[illegible]

175	4-5	CAPACITIES FOR A CRANE: MACHINE WHEN OPERATING ON A LARGE MACHINE SHALL BE POSITIVELY SECURED TO PREVENT SHIFTING. CAPACITIES FOR VARIOUS BOOMS, ENGINES AND OPERATING RADI ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 75% OF A STATIC TIPPING LOAD. CAPACITIES BASED ON STRUCTURAL CONCERN ARE DENOTED BY AN ASTERISK (*).
-----	-----	--

WEIGHT OF ALL LOAD BLOCKS, HOOKS, WEIGHT BALL, SLINGS, HOIST LINES, BENEATH BOOM POINT SHEAVES, ETC., IS CONSIDERED PART OF THE MAIN BOOM LOAD. BOOM IS NOT TO BE LOWERED BEYOND RADII WHERE COMBINED WEIGHTS ARE GREATER THAN RATED CAPACITY, WHERE NO CAPACITY IS INTENDED OR APPROVED.

REFER TO RIGGING #48227; LOAD LINE SPECIFICATION CHART #5308 AND RANGE CHART #4796. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR DYNAMIC LOAD EFFECTS OF SWINGING, HOISTING OR LOWERING, AS WELL AS ADVERSE OPERATING CONDITIONS AND PHYSICAL MACHINE DEGRADATION.

OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM THE AXIS OF ROTATION AT BARGE DECK TO THE CENTER OF VERTICAL POST LINE OR LOAD BLOCK.

MACHINE EQUIPPED WITH 24 EXTENSIBLE CRAWLERS, 48 IN. TREADS, 15 RETRACTABLE GANTRY, 12 PART BOOM MOIST REEVEING, TWO 2 IN. BOOM PENDANTS, 1ST CWT. = 40,100#; 2ND CWT. = 35,800#; 3RD CWT. = 28,500#.

DJK
Q4/28/77, Rev. 8/1/78



MANITOWOC ENGINEERING CO.
MANITOWOC, WISCONSIN



MANITOWOC 4600W - 24' CRANLERS EXTENDED

LIFT CRANE CAPACITIES - 105,400# CWT.

BOOM #17 WITH OPEN THROAT TOP

CRANLER MACHINE ON BARGE - 3 DEGREE MACHINE LIST

CAPACITIES IN THOUSANDS OF LBS.																
RAD. IN		HULL LENGTH														
		60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
0		0 0 * * * * 0 1 5 0 N 1 7 0 N 1 0 0 0 1 7 1 0 0 0 0 0 0 0 0 2 1 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 4 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 4 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 4 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 4 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 4 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 4 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 4 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 4 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 5 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 5 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 5 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 5 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 5 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 5 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 5 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 5 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 6 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 6 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 6 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 6 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 6 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 6 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 6 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 6 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 6 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 7 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 7 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 7 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 7 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 7 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 7 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 7 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 7 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 7 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 8 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 8 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 8 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 8 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 8 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 8 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 8 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 8 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 9 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 9 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 9 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 9 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 9 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 9 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 9 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 9 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 2 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 2 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 2 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 2 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 2 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 2 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 2 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 3 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 3 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 3 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 3 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 3 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 3 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 3 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 4 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 4 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 4 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 4 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 4 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 4 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 4 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 4 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 5 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 5 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 5 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 5 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 5 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 5 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 5 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 5 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 6 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 6 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 6 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 6 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 6 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 6 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 6 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 6 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 6 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 7 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 7 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 7 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 7 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 7 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 7 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 7 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 7 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 7 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 8 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 8 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 8 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 8 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 8 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 8 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 8 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 8 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 9 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 9 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 9 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 9 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 9 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 9 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 9 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 9 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 0 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 0 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 0 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 0 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 0 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 1 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 1 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 1 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 1 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 1 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 1 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 1 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 3 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 3 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 3 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 3 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 3 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 3 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 3 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 4 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 4 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 4 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 4 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 4 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 4 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 4 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 4 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 5 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 5 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 5 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 5 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 5 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 5 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 5 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 5 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 6 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 6 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 6 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 6 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 6 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 6 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 6 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 6 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 6 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 7 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 7 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 7 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 7 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 7 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 7 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 7 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 7 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 7 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 8 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 8 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 8 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 8 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 8 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 8 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 8 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 8 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 9 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 9 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 9 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 9 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 9 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 9 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 9 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 9 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 0 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 0 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 0 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 0 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 0 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 1 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 1 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 1 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 1 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 1 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 1 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 1 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 2 0 0 0 0 0 0 0														

CAPACITIES ARE FOR A CRANLER MACHINE WHEN OPERATING ON A BARGE. MACHINE SHALL BE POSITIVELY SECURED TO PREVENT SHIFTING. TIPPING CAPACITIES FOR VARIOUS BOOM LENGTHS AND OPERATING RADII ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 75% OF A STATIC TIPPING LOAD. CAPACITIES BASED ON STRUCTURAL COMPETENCE ARE DENOTED BY AN ASTERISK (*). WEIGHT OF ALL LOAD BLOCKS, HOOKS, WEIGHT BALL, SLINGS, HOIST LINES BENEATH BOOM POINT SHEAVES, ETC. IS CONSIDERED PART OF THE MAIN BOOM LOAD. BOOM NOT TO BE LOWERED BEYOND RADII WHERE COMBINED WEIGHTS ARE GREATER THAN RATED CAPACITY. WHERE NO CAPACITY IS SHOWN, OPERATION IS NOT INTENDED OR APPROVED.

REFER TO RIGGING #48227, LOAD LINE SPECIFICATION CHART #5308 AND RANGE CHART #4796. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR DYNAMIC LOAD EFFECTS OF SWINGING, HOISTING OR LOWERING, AS WELL AS ADVERSE OPERATING CONDITIONS AND PHYSICAL MACHINE DEPRECIATION.

OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM THE AXIS OF ROTATION AT BARGE DECK TO THE CENTER OF VERTICAL HOIST LINE OR LOAD BLOCK.

MACHINE EQUIPPED WITH 24' EXTENDIBLE CRANLERS, 48 IN. TEADS, 15' RETRACTABLE GANTRY, 12 PART BOOM HOIST KEEVING, TWO 2 IN. BOOM PENDANTS, 1ST CWT. = 40,100#, 2ND CWT. = 35,800#, 3RD CWT. = 28,500#.

DJK
02/28/77, Rev. 8/1/78
PAGE #608-C

MANITOWOC ENGINEERING CO.
MANITOWOC, WISCONSIN



MANITOWOC 4000W - 24° CRAWLERS EXTENDED

LIFT CRANE CAPACITIES - 104,400# CWT.

BOOM #22 WITH OPEN THROAT TOP

CRAWLER MACHINE ON BARGE - 0 DEGREE MACHINE LIST

CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BOOM LENGTH - FT.														
CAPACITIES IN THOUSANDS OF LBS.														
BO														

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 75% OF A STATIC TIPPING LOAD. CAPACITIES BASED ON STRUCTURAL COMPETENCE ARE DENOTED BY AN ASTERISK (*).

HEIGHT OF ALL LOAD BLOCKS, HOOKS, WEIGHT BALL, SLINGS, HOIST LINES BENEATH BOOM POINT SHEAVES, ETC. IS CONSIDERED PART OF THE MAIN BOOM POINT IS ATTACHED. 1200# FROM ABOVE CAPACITIES. WHEN SINGLE SHEAVE UPPER BOOM POINT IS ATTACHED, BOOM IS NOT TO BE LOWERED BEYOND RADII WHERE COMBINED WEIGHTS ARE GREATER THAN RATED CAPACITY. WHERE NO CAPACITY IS SHOWN, OPERATION IS NOT INTENDED OR APPROVED.

REFER TO RIGGING #48169, LOAD LINE SPECIFICATION CHART #5320 AND RANGE CHART #5359. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR DYNAMIC LOAD EFFECTS OF SWINGING, HOISTING OR LOWERING, AS WELL AS ADVERSE OPERATING CONDITIONS AND PHYSICAL MACHINE DEPRECIATION.

OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM THE AXIS OF ROTATION AT BARGE DECK TO THE CENTER OF VERTICAL HOIST LINE OR LOAD BLOCK.

MACHINE EQUIPPED WITH 24° EXTENDIBLE CRAWLERS, 48 IN. TREADS, 15° RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 1-3/8 IN. BOOM PENDANTS, 1ST CWT. = 40,100#, 2ND CWT. = 35,900#, 3RD CWT. = 28,500#.

DJK
04/27/77 Rev. 8/1/78
DRWG. #6909-A

MANITOWOC ENGINEERING CO.
MANITOWOC, WISCONSIN

MANITOWOC 4000W - 24" CRAWLERS EXTENDED

LIFT CRANE CAPACITIES - 104,400# CWT.

BCCM #22 WITH OPEN THROAT TOP

CRAWLER MACHINE ON BARGE - 2 DEGREE MACHINE LIST

[illegible]

CAPACITIES ARE FOR A CRAWLER MACHINE WHEN OPERATING ON A BARGE.					
CAPACITIES FOR VARIOUS BOOM LENGTHS AND OPERATING RADIi ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 75% OF A STATIC TIPPING LOAD. CAPACITIES BASED ON STRUCTURAL COMPETENCE ARE DENOTED BY AN ASTERISK (*).					
WEIGHT OF ALL LOAD BLOCKS, HOOPS, UNITS					
130	0	5-2	4-2	4-3	4-2
155	155				
155	155				
160	160				

WEIGHT OF ALL LOAD BLOCKS, HOOKS, WEIGHT BALLS, SLINGS, HOIST LINES BENEATH BOOM POINT SHEAVES, ETC. IS CONSIDERED PART OF THE MAIN BOOM LOAD. DEDUCT 1,200# FROM ABOVE CAPACITIES WHEN SINGLE SHEAVE UPPER BOOM POINT IS ATTACHED AND 1,500# WHEN TWO SHEAVE UPPER BOOM POINT IS ATTACHED. BOOM IS NOT TO BE LOWERED BEYOND RADII WHERE COMBINED WEIGHTS ARE GREATER THAN RATED CAPACITY. UPPER CAPACITY IS SHOWN; OPERATION IS NOT INTENDED OR APPROVED.

REFER TO RIGGING #48168; LOAD LINE SPECIFICATION CHART #5320 AND RANGE EFFECTS OF SWINGING, HOISTING OR LOWERING; AS WELL AS DYNAMIC LOAD EFFECTS OF SWINGING, HOISTING OR LOWERING MUST BE TAKEN INTO CONSIDERATION. CRANE OPERATOR JUDGMENT MUST BE USED TO DETERMINE IF COMBINED WEIGHTS ARE GREATER THAN RATED CAPACITY. WHERE NO APPROVED ADVICE IS NOT INTENDED OR APPROVED.

OPERATING RADIUS IS TWO HUNDRED FEET. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW DEPRECIATION. AS WELL AS ADVERSE OPERATING CONDITIONS AND PHYSICAL MACHINE

OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM THE AXIS OF ROTATION AT RADIUS SETTING BLOCK.

MACHINE EQUIPPED WITH 24° EXTENSIBLE CRANLERS, 48 IN. TREADS, 15° RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 1-3/8 IN. BOOM PENDANTS, 1ST CWT. = 40,100#, 2ND CWT. = 35,800#, 3RD CWT. = 28,500#.

DJK
04/27/77, Rev- 8/1/78
DRWG. #6909-B

MANITOWOC ENGINEERING CO.
MANITOWOC, WISCONSIN



MANITOWOC 4000W - 24' CRAWLERS EXTENDED

LIFT CRANE CAPACITIES - 104,400# CWT.

BOOM #22 WITH OPEN THROAT TOP

CRAWLER MACHINE ON BARGE - 3 DEGREE MACHINE LIST

RAD. IN. FT.	CAPACITIES IN THOUSANDS OF LBS.																RAD. IN. FT.	
	BOOM LENGTH																	
	70	80	90	100	110	120	130	140	150	160	170	180	190	200				
18	11																	