



# MANITOWOC ENGINEERING CO.

A Division of The Manitowoc Company, Inc.

Manitowoc, Wisconsin

## LIFTCRANE CAPACITIES \_\_\_\_\_ 3900

BOOM NO. 4

WORKING RADIUS	BOOM LENGTHS							
	50'	60'	70'	80'	90'	100'	120'	140'
12'	120,000	120,000						
14'	111,200	110,800	109,000					
16'	104,200	103,600	102,700	100,000	95,000			
18'	97,800	97,400	97,000	96,000	92,500	90,000		
20'	93,200	92,400	91,600	90,600	89,600	86,000	83,000	
22'	87,800	86,800	85,800	84,800	83,800	82,800	80,000	
24'	83,400	81,200	80,300	79,400	78,700	77,800	75,200	66,500
26'	75,900	75,500	74,700	73,900	73,200	72,600	70,500	63,100
28'	68,100	67,700	67,300	66,900	66,400	65,800	64,000	59,800
30'	61,700	61,300	60,900	60,500	60,000	59,400	58,500	56,400
32'	56,500	56,100	55,700	55,300	54,800	54,200	53,300	52,300
34'	52,000	51,600	51,200	50,800	50,300	49,700	48,800	47,800
36'	48,100	47,700	47,300	46,900	46,400	45,800	44,900	43,900
38'	44,700	44,300	43,900	43,500	43,000	42,400	41,500	40,500
40'	41,700	41,300	40,900	40,500	40,000	39,400	38,500	37,500
42'	39,100	38,700	38,300	37,900	37,400	36,800	35,900	34,900
44'	36,800	36,400	36,000	35,600	35,100	34,500	33,600	32,600
46'	34,700	34,300	33,900	33,500	33,000	32,400	31,500	30,500
48'	32,900	32,500	32,100	31,700	31,200	30,600	29,700	28,700
50'	31,200	30,800	30,400	30,000	29,500	28,900	28,000	27,000
52'		29,300	28,900	28,500	28,000	27,400	26,500	25,500
54'		27,900	27,500	27,100	26,600	26,000	25,100	24,100
56'		26,500	26,100	25,700	25,200	24,600	23,700	22,700
58'		25,300	24,900	24,500	24,000	23,400	22,500	21,500
60'		24,200	23,800	23,400	22,900	22,300	21,400	20,400
65'			21,300	20,900	20,400	19,800	18,900	17,900
70'			19,300	18,900	18,400	17,800	16,900	15,900
75'				17,100	16,600	16,000	15,100	14,100
80'				15,700	15,200	14,600	13,700	12,700
90'					12,700	12,100	11,200	10,200
100'						10,200	9,300	8,300
110'							6,800	5,600
120'							4,500	3,840

ABOVE RATINGS ARE MAXIMUM RECOMMENDED WORKING LOADS. LOADS BETWEEN DOTTED LINES ARE COMPUTED AT 75% OF TIPPING LOAD ACROSS TREADS; MACHINE ON FIRM, LEVEL GROUND. LOADS OUTSIDE OF DOTTED LINES LIMITED BY STRENGTH OF BOOM.

FOR BOOMS 80 FT. AND OVER, USE CAMBERED CENTER SECTION; FOR BOOMS 100 FT. AND OVER, USE DEEP SECTION INSERTS.

JIB LENGTH	MAXIMUM WORKING LOAD	DEDUCT FROM ABOVE RATINGS
15'	13,000#	1,300#
20'	10,000#	1,600#
30'	20,000#	2,900#

THE ANGLE JIB MAKES WITH THE HORIZONTAL MUST NOT BE LESS THAN 30° WITH BOOM IN POSITION.