



MANITOWOC ENGINEERING CO.

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



LIFT CRANE CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-50W

BOOM NO. 45
26,700 LB. COUNTERWEIGHT
19'6" CRAWLERS EXTENDED
360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
70	14	81.8	74.5	95,600*	90	36	69.1	89.1	23,100	120	21	81.9	124.0	49,100
	15	81.0	74.3	85,400		38	67.8	88.3	21,500		22	81.4	123.8	45,800
	16	80.1	74.2	76,400		40	66.4	87.5	20,100		23	80.9	123.7	42,800
	17	79.3	74.0	69,100		45	62.8	85.0	17,100		24	80.4	123.5	40,200
	18	78.4	73.7	63,000		50	59.2	82.2	14,800		25	79.9	123.3	37,900
	19	77.6	73.5	57,900		55	55.4	78.9	13,000		26	79.4	123.1	35,800
	20	76.8	73.3	53,500		60	51.4	75.1	11,500		27	78.9	122.9	33,900
	21	75.9	73.0	49,700		65	47.1	70.7	10,300		28	78.5	122.7	32,200
	22	75.1	72.8	46,400		70	42.6	65.6	9,300		29	78.0	122.5	30,600
	23	74.2	72.5	43,500		75	37.6	59.6	8,400		30	77.5	122.3	29,200
	24	73.4	72.2	40,900	100	80	31.9	52.2	7,600		32	76.5	121.8	26,700
	25	72.5	71.8	38,600		85	25.1	42.8	7,000		34	75.5	121.3	24,500
	26	71.6	71.5	36,500		90	15.8	29.0	6,400		36	74.5	120.8	22,600
	27	70.8	71.2	34,600		18	81.9	104.2	62,700		38	73.5	120.2	21,000
	28	69.9	70.8	32,900		19	81.4	104.1	57,500		40	72.5	119.5	19,600
	29	69.0	70.4	31,400		20	80.8	103.9	53,100		45	70.0	117.8	16,600
	30	68.1	70.0	29,900		21	80.2	103.7	49,300		50	67.4	115.8	14,300
	32	66.4	69.1	27,400		22	79.6	103.5	46,000		55	64.8	113.6	12,500
	34	64.5	68.2	25,300		23	79.0	103.4	43,100		60	62.1	111.0	11,000
	36	62.7	67.2	23,400		24	78.5	103.1	40,500		65	59.4	108.2	9,800
80	38	60.8	66.1	21,800		25	77.9	102.9	38,200		70	56.6	105.0	8,800
	40	58.9	64.9	20,300		26	77.3	102.7	36,100		75	53.6	101.5	7,900
	45	54.0	61.5	17,400		27	76.7	102.5	34,200		80	50.6	97.5	7,100
	50	48.7	57.4	15,100		28	76.1	102.2	32,500		85	47.4	93.1	6,400
	55	42.9	52.4	13,300		29	75.5	101.9	30,900		90	44.0	88.2	5,900
	60	36.4	46.2	11,800		30	74.9	101.7	29,500		95	40.5	82.6	5,300
	65	28.6	38.2	10,600		32	73.7	101.1	27,000		100	36.6	76.2	4,900
	70	18.0	26.2	9,600		34	72.5	100.5	24,800		105	32.3	68.8	4,500
	16	81.4	84.3	76,300		36	71.3	99.8	23,000		110	27.5	60.0	4,100
	17	80.6	84.1	68,900		38	70.1	99.1	21,300		115	21.7	48.9	3,700
	18	79.9	84.0	62,900	100	40	68.9	98.3	19,900	130	22	82.0	134.0	45,600
	19	79.2	83.8	57,700		45	65.7	96.2	16,900		23	81.6	133.8	42,700
	20	78.5	83.5	53,300		50	62.6	93.7	14,600		24	81.1	133.7	40,100
	21	77.7	83.3	49,500		55	59.3	90.9	12,800		25	80.7	133.5	37,800
	22	77.0	83.1	46,200		60	55.8	87.6	11,400		26	80.3	133.3	35,700
	23	76.2	82.8	43,300		65	52.3	83.9	10,100		27	79.8	133.1	33,800
	24	75.5	82.6	40,700		70	48.5	79.7	9,100		28	79.4	132.9	32,100
	25	74.8	82.3	38,400		75	44.6	74.9	8,200		29	78.9	132.7	30,500
	26	74.0	82.0	36,300		80	40.3	69.3	7,500		30	78.5	132.5	29,100
	27	73.3	81.7	34,400		85	35.6	62.8	6,800		32	77.6	132.1	26,500
90	28	72.5	81.4	32,700		90	30.2	54.9	6,200		34	76.6	131.6	24,400
	29	71.8	81.1	31,200		95	23.8	44.9	5,700		36	75.7	131.1	22,500
	30	71.0	80.7	29,800	110	20	81.6	114.0	53,000		38	74.8	130.6	20,800
	32	69.5	80.0	27,200		21	81.1	113.9	49,200		40	73.9	130.0	19,400
	34	67.9	79.2	25,100		22	80.6	113.7	45,800		45	71.6	128.4	16,400
	36	66.4	78.3	23,200		23	80.0	113.5	42,900		50	69.3	126.6	14,200
	38	64.8	77.4	21,600		24	79.5	113.3	40,300		55	66.9	124.6	12,300
	40	63.2	76.4	20,100		25	79.0	113.1	38,000		60	64.4	122.3	10,900
	45	59.1	73.5	17,200		26	78.5	112.9	35,900		65	62.0	119.7	9,600
	50	54.8	70.2	14,900		27	77.9	112.7	34,000		70	59.4	116.8	8,600
	55	50.2	66.3	13,100		28	77.4	112.5	32,300		75	56.8	113.7	7,700
	60	45.3	61.6	11,600		29	76.9	112.3	30,800		80	54.1	110.2	6,900
	65	40.0	56.1	10,400		30	76.3	112.0	29,300		85	51.4	106.3	6,300
	70	33.9	49.3	9,400	130	32	75.2	111.5	26,800		90	48.5	102.1	5,700
	75	26.7	40.6	8,500		34	74.2	110.9	24,600		95	45.4	97.4	5,200
	80	16.8	27.6	7,700		36	73.1	110.3	22,800		100	42.2	92.1	4,700
	17	81.7	94.3	68,900		38	72.0	109.7	21,100		105	38.8	86.1	4,300
	18	81.0	94.1	62,800		40	70.9	109.0	19,700		110	35.1	79.4	3,900
	19	80.4	93.9	57,700		45	68.1	107.1	16,700		115	31.0	71.6	3,600
	20	79.8	93.7	53,300		50	65.2	104.9	14,400		120	26.4	62.3	3,200
	21	79.1	93.6	49,500		55	62.3	102.4	12,600		125	20.8	50.7	3,000
	22	78.5	93.3	46,200		60	59.3	99.5	11,100					
	23	77.8	93.1	43,200		65	56.2	96.3	9,900					
	24	77.1	92.9	40,700		70	53.0	92.7	8,900					
	25	76.5	92.6	38,300		75	49.7	88.6	8,000					
	26	75.8	92.4	36,300		80	46.1	84.1	7,200					
	27	75.2	92.1	34,400		85	42.4	78.8	6,600					
	28	74.5	91.8	32,700		90	38.3	72.9	6,000					
	29	73.9	91.6	31,100		95	33.8	65.9	5,500					
	30	73.2	91.2	29,700		100	28.8	57.5	5,000					
	32	71.8	90.6	27,200		105	22.7	46.9	4,600					
	34	70.5	89.9	25,000										

**MANITOWOC ENGINEERING CO.**

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

**LIFT CRANE JIB CAPACITIES**MEETS
ANSI B30.5
REQUIREMENTS**M-50W**

JIB NO. 130 WITH 12' STRUT ON
BOOM NO. 45
26,700 LB. COUNTERWEIGHT
19'6" CRAWLERS EXTENDED
360 DEGREE RATING

30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
130	35	79.7	163.7	15,000*							35
	40	77.9	162.6	15,000*	80.0	161.7	15,000*				40
	45	76.0	161.4	15,000*	78.2	160.4	15,000*	80.5	157.8	14,400*	45
	50	74.2	160.0	14,200	76.3	159.0	14,700	78.6	156.4	14,400*	50
	55	72.3	158.4	12,400	74.4	157.4	12,800	76.7	154.8	13,200	55
	60	70.4	156.6	10,900	72.5	155.7	11,200	74.8	153.0	11,600	60
	65	68.5	154.7	9,600	70.6	153.7	9,900	72.8	151.0	10,300	65
	70	66.6	152.5	8,500	68.7	151.5	8,800	70.9	148.8	9,100	70
	80	62.7	147.6	6,900	64.7	146.6	7,100	66.8	143.7	7,300	80
	90	58.5	141.8	5,600	60.6	140.7	5,800	62.6	137.8	6,000	90
	100	54.2	135.0	4,600	56.2	133.8	4,700	58.1	130.7	4,900	100
	110	49.7	126.9	3,800	51.6	125.7	3,900	53.4	122.4	4,000	110
	120	44.8	117.4	3,100	46.7	116.1	3,200	48.3	112.4	3,300	120
	130	39.4	106.0	2,500	41.2	104.6	2,600				130
140	35	80.3	173.8	15,000*							35
	40	78.6	172.8	15,000*	80.6	171.9	15,000*				40
	45	76.9	171.7	15,000*	78.9	170.7	15,000*				45
	50	75.1	170.4	14,000	77.1	169.4	14,500	79.3	166.8	13,800*	50
	55	73.4	168.9	12,200	75.4	167.9	12,600	77.5	165.3	13,000*	55
	60	71.6	167.3	10,600	73.6	166.3	11,000	75.7	163.6	11,400	60
	65	69.9	165.4	9,400	71.8	164.4	9,700	73.9	161.7	10,100	65
	70	68.1	163.4	8,300	70.0	162.4	8,600	72.1	159.7	9,000	70
	80	64.4	158.9	6,600	66.3	157.8	6,900	68.3	155.0	7,200	80
	90	60.6	153.5	5,400	62.5	152.4	5,600	64.4	149.5	5,800	90
	100	56.6	147.2	4,400	58.5	146.1	4,500	60.3	143.0	4,700	100
	110	52.5	139.9	3,500	54.3	138.7	3,700	56.1	135.5	3,800	110
	120	48.1	131.4	2,900	49.9	130.1	3,000	51.5	126.6	3,100	120
	130							46.6	116.2	2,500	130
150	35	80.8	184.0	15,000*							35
	40	79.2	183.1	15,000*							40
	45	77.6	182.0	15,000*							45
	50	76.0	180.7	13,900	79.5	181.0	15,000*	79.9	177.1	13,000*	50
	55	74.3	179.3	12,000	77.9	179.8	14,400	78.3	175.7	13,000*	55
	60	72.7	177.8	10,500	76.2	178.4	12,500	76.6	174.1	11,300	60
	65	71.0	176.1	9,300	74.6	176.8	10,900	74.9	172.4	10,000	65
	70	69.3	174.2	8,200	72.9	175.1	9,600	73.1	170.5	8,900	70
	80	65.9	170.0	6,500	71.2	173.2	8,500	69.6	166.1	7,100	80
	90	62.4	165.0	5,200	67.7	168.9	6,800	66.0	161.0	5,700	90
	100	58.7	159.1	4,200	64.2	163.9	5,500	62.3	155.0	4,600	100
	110	54.9	152.4	3,400	60.5	158.1	4,400	58.3	148.1	3,700	110
	120	50.9	144.7	2,700	56.7	151.3	3,600	54.2	140.1	3,000	120
	130				52.6	143.5	2,900				130
160	40	79.8	193.3	15,000*							40
	45	78.3	192.2	15,000*	80.1	191.3	15,000*				45
	50	76.7	191.1	13,700	78.5	190.1	14,200	80.5	187.4	12,300*	50
	55	75.2	189.7	11,800	77.0	188.8	12,300	78.9	186.1	12,300*	55
	60	73.6	188.3	10,300	75.4	187.3	10,800	77.3	184.6	11,200	60
	65	72.0	186.7	9,100	73.8	185.7	9,500	75.7	182.9	9,900	65
	70	70.5	184.9	8,000	72.2	183.9	8,400	74.1	181.1	8,700	70
	80	67.2	180.9	6,300	69.0	179.9	6,600	70.8	177.1	6,900	80
	90	63.9	176.2	5,000	65.6	175.2	5,300	67.4	172.3	5,500	90
	100	60.5	170.8	4,000	62.2	169.7	4,200	63.9	166.7	4,500	100
	110	57.0	164.6	3,200	58.7	163.5	3,400	60.3	160.3	3,600	110
	120	53.3	157.5	2,500	55.0	156.3	2,700	56.5	153.0	2,800	120
	130										130