

LIFTCRANE JIB CAPACITIES**M-1200****JIB NO. 182 WITH 25.1m STRUT ON****BOOM NO. 72A****MAST NO. 75A****18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS****23 590 kg CRANE COUNTERWEIGHT****934 940 kg AUXILIARY COUNTERWEIGHT****384 650 kg HANGING STEEL COUNTERWEIGHT****360 DEGREE RATING**

CAPACITIES FOR VARIOUS BOOM LENGTHS, JIB LENGTH AND JIB 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, SLINGS, HOIST LINES, ETC., BENEATH JIB POINT SHEAVES, IS CONSIDERED PART OF JIB LOAD. BOOM AND JIB ARE 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.

MACHINE TO OPERATE IN A LEVEL POSITION ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH ROLLER PATH LEVEL WITHIN A TOLERANCE OF 32 mm IN 18.3m AND PROPERLY SUPPORTED. REFER TO BOOM RIGGING NO. 179395, JIB ASSEMBLY NO. 178341 AND WIRE ROPE SPECIFICATION CHART NO. 7955-A. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR DYNAMIC LOAD EFFECTS OF SWINGING, HOISTING OR LOWERING, WIND CONDITIONS, AS WELL AS ADVERSE OPERATING CONDITIONS AND PHYSICAL MACHINE DEPRECIATION.

MACHINE MAY BE OPERATED IN WINDS UP TO 13 m/s PROVIDED CRANE OPERATOR JUDGMENT IS USED TO ALLOW FOR WIND EFFECT ON THE LIFTED LOAD AND OTHER CONSIDERATIONS NOTED ON CAPACITY CHART ARE FOLLOWED. WIND WILL HAVE A CONSIDERABLE EFFECT ON A LOAD WITH A LARGE 'SAIL AREA' AND MUST BE COMPENSATED FOR ACCORDINGLY BY REDUCING LOAD RATINGS, REDUCING OPERATING SPEEDS OR BY A COMBINATION OF BOTH. RECOMMEND STOPPING OPERATION AND LOWERING BOOM AND JIB TO APPROXIMATELY 75 DEGREE BOOM ANGLE WHEN WIND EXCEEDS 13 m/s. LOWER BOOM AND JIB TO GROUND WHEN WIND IS ABOVE 22 m/s.

OPERATING RADIUS IS HORIZONTAL DISTANCE FROM AXIS OF ROTATION TO CENTER OF VERTICAL HOIST LINE OR LOAD BLOCK. BOOM ANGLE IS ANGLE BETWEEN HORIZONTAL AND CENTERLINE OF BOOM BUTT AND INSERTS AND IS AN INDICATION OF OPERATING RADIUS. IN ALL CASES, OPERATING RADIUS SHALL GOVERN CAPACITY. JIB POINT ELEVATION IS VERTICAL DISTANCE FROM GROUND LEVEL TO CENTERLINE OF JIB POINT SHAFT.

MACHINE EQUIPPED WITH 18.3m RINGER ATTACHMENT, 9 373 mm CRAWLERS, 1 229 mm TREADS, 8 534 mm RETRACTABLE GANTRY, 45.7m NO. 75A MAST WITH 36 PART BOOM HOIST REEVING, STRAP BOOM PENDANTS, STRAP JIB PENDANTS AND BACKSTAYS, 23 590 kg CRANE COUNTERWEIGHT, 934 940 kg AUXILIARY COUNTERWEIGHT, AND 384 650 kg HANGING STEEL COUNTERWEIGHT.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED	
BOOM LENGTH	JIB NO. 182
92.4m	15.2m
LOAD BLOCK ON GROUND AT START.	

LOAD BLOCK, BOOM POINT HANGER FRAME AND UPPER BOOM POINT MUST BE REMOVED FROM MAIN BOOM FOR USE OF THIS CHART.

WARNING: CHECK AMOUNT OF AUXILIARY COUNTERWEIGHT ON MACHINE BEFORE USE OF THIS CHART.
HANGING STEEL COUNTERWEIGHT MUST BE ATTACHED FOR USE OF THIS CHART.



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23 590 kg CRANE COUNTERWEIGHT

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360 DEGREE RATING

15.2m (50 FT.) JIB, 10 DEGREE OFFSET

BOOM LENGTH METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	MINIMUM JIB CAPACITY TO SWING KILOGRAMS	JIB CAPACITY KILOGRAMS
6 1 · 9	2 0 3	19.8	85.3	81.1	789 500	1 045 400*
		20.0	85.2	81.1	776 000	1 043 200*
		22.0	83.7	80.7	639 600	1 007 900*
		24.0	82.2	80.4	540 400	930 400*
		26.0	80.7	79.9	464 100	865 300*
		28.0	79.2	79.5	403 300	808 700*
		30.0	77.7	78.9	353 900	758 900*
		32.0	76.2	78.3	312 900	714 700*
		34.0	74.6	77.7	278 300	675 200*
		36.0	73.1	76.9	248 800	639 700*
		38.0	71.5	76.2	223 300	607 700*
		40.0	69.9	75.3	200 900	577 100
		42.0	68.3	74.4	181 300	537 800
		44.0	66.7	73.4	163 800	502 100
		46.0	65.1	72.4	148 200	470 300
		48.0	63.4	71.3	134 100	441 800
		50.0	61.7	70.1	121 400	416 000
		52.0	59.9	68.8	109 800	392 500
		54.0	58.2	67.4	99 200	369 400*
		56.0	56.3	65.9	89 500	346 200*
		58.0	54.5	64.4	80 500	324 600*
		60.0	52.6	62.7	72 200	304 400*
		62.0	50.6	60.9	64 500	285 300*
		66.0	46.5	56.9	50 600	211 800*
		70.0	42.0	52.2	38 300	189 500*
		74.0	37.0	46.7	27 400	169 500*
		78.0	31.2	39.9	17 500	156 500*

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



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6 9 · 5	2 2 8	19.8	85.7	88.8	792 900	1 014 400*
		20.0	85.6	88.7	779 200	1 012 500*
		22.0	84.3	88.5	641 200	992 900*
		24.0	82.9	88.1	540 700	964 100*
		26.0	81.6	87.7	463 500	905 100*
		28.0	80.2	87.3	402 000	849 800*
		30.0	78.8	86.8	352 000	800 700*
		32.0	77.4	86.3	310 600	756 900*
		34.0	76.1	85.7	275 700	717 400*
		36.0	74.7	85.0	245 800	673 600
		38.0	73.2	84.3	220 000	619 800
		40.0	71.8	83.6	197 500	574 400
		42.0	70.4	82.7	177 600	534 300
		44.0	68.9	81.9	159 900	498 800
		46.0	67.5	80.9	144 100	467 000
		48.0	66.0	79.9	129 900	438 300
		50.0	64.5	78.9	117 100	412 500
		52.0	62.9	77.7	105 400	388 900
		54.0	61.4	76.5	94 700	367 400
		56.0	59.8	75.2	84 900	347 700
		58.0	58.2	73.9	75 800	328 300*
		60.0	56.5	72.4	67 500	309 400*
		62.0	54.8	70.9	59 700	291 600*
		66.0	51.4	67.5	45 800	258 800*
		70.0	47.7	63.7	33 500	229 100*
		74.0	43.7	59.3	22 700	167 700*
		78.0	39.4	54.3	12 900	145 300*
		82.0	34.6	48.3	4 100	135 400*
		86.0	29.1	40.9		120 700*



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7 7 1	2 5 3	21.3	85.2	96.3	682 900	964 100*
		22.0	84.7	96.2	644 600	958 800*
		24.0	83.5	95.8	540 300	943 400*
		26.0	82.3	95.5	462 300	928 300*
		28.0	81.0	95.1	400 200	880 700*
		30.0	79.8	94.6	349 700	806 900*
		32.0	78.5	94.1	307 900	743 700*
		34.0	77.2	93.6	272 600	685 900*
		36.0	75.9	93.0	242 400	635 700*
		38.0	74.7	92.4	216 400	591 400*
		40.0	73.4	91.7	193 700	552 000*
		42.0	72.1	90.9	173 600	516 700*
		44.0	70.7	90.2	155 800	484 700*
		46.0	69.4	89.3	139 800	455 600*
		48.0	68.1	88.4	125 500	428 900*
		50.0	66.7	87.5	112 600	404 300*
		52.0	65.3	86.4	100 800	381 600*
		54.0	64.0	85.4	90 000	360 500*
		56.0	62.5	84.2	80 100	340 800*
		58.0	61.1	83.0	71 100	322 300*
		60.0	59.7	81.7	62 600	305 000*
		62.0	58.2	80.4	54 800	288 600*
		66.0	55.1	77.4	40 800	258 400*
		70.0	52.0	74.1	28 500	231 100*
		74.0	48.6	70.5	17 600	206 000*
		78.0	45.1	66.3	7 900	147 400*
		82.0	41.3	61.6		130 300*
		86.0	37.2	56.1		113 300*
		90.0	32.6	49.7		104 300*

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8 4 7	2 7 8	21.3	85.5	103.9	683 600	919 400*
		22.0	85.1	103.8	645 000	911 500*
		24.0	84.0	103.5	540 000	888 300*
		26.0	82.8	103.2	461 600	866 300*
		28.0	81.7	102.8	399 100	828 000*
		30.0	80.5	102.4	348 400	749 900*
		32.0	79.4	102.0	306 400	689 000*
		34.0	78.2	101.5	270 900	638 300*
		36.0	77.0	100.9	240 600	600 100*
		38.0	75.9	100.4	214 400	558 600*
		40.0	74.7	99.7	191 500	522 500*
		42.0	73.5	99.0	171 400	490 200*
		44.0	72.3	98.3	153 500	461 000*
		46.0	71.1	97.6	137 500	434 400*
		48.0	69.8	96.7	123 100	410 000*
		50.0	68.6	95.9	110 100	387 600*
		52.0	67.4	94.9	98 300	366 800*
		54.0	66.1	94.0	87 500	347 500*
		56.0	64.8	92.9	77 600	329 500*
		58.0	63.5	91.8	68 500	312 600*
		60.0	62.2	90.7	60 000	296 700*
		62.0	60.9	89.5	52 200	281 700*
		66.0	58.2	86.9	38 100	254 000*
		70.0	55.4	84.0	25 900	229 000*
		74.0	52.5	80.7	15 000	206 100*
		78.0	49.5	77.2	5 300	184 900*
		82.0	46.3	73.2		165 100*
		86.0	42.9	68.7		113 200*
		90.0	39.2	63.6		100 800*
		94.0	35.2	57.8		94 400*
		98.0	30.7	50.9		79 900*

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9 2 · 4	3 0 3	21.3	85.9	111.6	683 800	842 500*
		22.0	85.5	111.5	644 900	836 100*
		24.0	84.4	111.2	538 900	816 100*
		26.0	83.4	110.9	459 800	795 800*
		28.0	82.3	110.6	396 700	768 800*
		30.0	81.2	110.2	345 600	703 800*
		32.0	80.1	109.8	303 200	645 600*
		34.0	79.1	109.3	267 400	596 600*
		36.0	78.0	108.8	236 800	554 200*
		38.0	76.9	108.3	210 500	523 500*
		40.0	75.8	107.7	187 400	490 800*
		42.0	74.7	107.1	167 100	460 800*
		44.0	73.6	106.4	149 100	433 800*
		46.0	72.5	105.7	133 000	409 300*
		48.0	71.3	104.9	118 500	386 800*
		50.0	70.2	104.1	105 400	366 100*
		52.0	69.1	103.3	93 500	347 000*
		54.0	67.9	102.4	82 600	329 200*
		56.0	66.7	101.5	72 600	312 600*
		58.0	65.6	100.5	63 400	297 000*
		60.0	64.4	99.4	55 000	282 400*
		62.0	63.2	98.3	47 100	268 600*
		66.0	60.7	96.0	33 000	243 200*
		70.0	58.2	93.3	20 600	220 100*
		74.0	55.6	90.5	9 700	199 100*
		78.0	52.9	87.3		179 700*
		82.0	50.1	83.8		161 600*
		86.0	47.2	80.0		144 600*
		90.0	44.1	75.7		128 500*
		94.0	40.9	70.9		83 300*
		98.0	37.3	65.5		72 900*
		102.0	33.4	59.3		69 300*
		106.0	29.0	52.0		55 700*