

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

M-1200

**JIB NO. 75 WITH 25.1m STRUT ON
BOOM NO. 72 OR NO. 72A WITH 1300 METRIC TON BOOM POINT
MAST NO. 75 OR NO. 75A
18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS
23 590 kg CRANE COUNTERWEIGHT
915 170 kg AUXILIARY COUNTERWEIGHT
360 DEGREE RATING**

CAPACITIES FOR VARIOUS BOOM LENGTHS, JIB LENGTHS 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. 62 600 kg MAIN BOOM LOAD (WEIGHT OF LOWER BOOM POINT HANGER FRAME, ALL LOAD BLOCKS, HOOKS, SLINGS, HOIST LINES, ETC. BENEATH MAIN BOOM POINT SHEAVES) AND 6 120 kg UPPER BOOM POINT LOAD (WEIGHT OF ALL LOAD BLOCKS, HOOKS, WEIGHT BALLS, SLINGS, HOIST LINES, ETC. BENEATH UPPER BOOM POINT SHEAVES) HAVE BEEN INCLUDED IN CAPACITY DETERMINATION. DO NOT USE THIS CHART IF TOTAL MAIN BOOM LOAD EXCEEDS 62 600 kg OR UPPER BOOM POINT LOAD EXCEEDS 6 120 kg. 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. 173399, NO. 175673 OR NO. 175955, JIB ASSEMBLY NO. 173400 OR NO. 176116 AND WIRE ROPE SPECIFICATION CHART NO. 7683-F. 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. 75 MAST WITH 32 PART BOOM HOIST REEVING OR NO. 75A MAST WITH 36 PART BOOM HOIST REEVING, STRAP BOOM PENDANTS, STRAP JIB PENDANTS AND BACKSTAYS, 23 590 kg CRANE COUNTERWEIGHT AND 915 170 kg AUXILIARY COUNTERWEIGHT.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED	
BOOM LGTH.	JIB NO. 75
77.1m	45.7m
69.5m	61.0m
61.9m	68.6m
LOAD BLOCKS ON GROUND AT START.	

UPPER BOOM POINT CANNOT BE USED ON BOOM NO. 72.

WARNING: CHECK AMOUNT OF AUXILIARY COUNTERWEIGHT ON MACHINE BEFORE USE OF THIS CHART.

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18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

915 170 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

30.5m (100 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	8 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
6 1 · 9	2 0 3	22.9	85.2	96.1	781 000*				22.9
		24.0	84.6	95.9	743 100*				24.0
		26.0	83.3	95.5	683 100*				26.0
		28.0	82.1	95.1	632 000*				28.0
		30.0	80.8	94.7	580 400	84.5	93.6	352 200*	30.0
		32.0	79.6	94.2	521 600	83.2	93.1	335 400*	32.0
		34.0	78.3	93.6	472 000	81.9	92.5	320 100*	34.0
		36.0	77.0	93.0	429 600	80.6	91.9	306 000*	36.0
		38.0	75.7	92.4	392 900	79.3	91.3	293 100*	38.0
		40.0	74.4	91.7	360 800	78.0	90.6	281 100*	40.0
		42.0	73.1	91.0	332 400	76.7	89.8	270 100*	42.0
		44.0	71.8	90.2	307 300	75.4	89.0	259 800*	44.0
		46.0	70.5	89.4	284 700	74.0	88.2	250 200*	46.0
		48.0	69.2	88.5	264 500	72.6	87.3	241 300*	48.0
		50.0	67.8	87.5	246 100	71.3	86.3	232 900*	50.0
		52.0	66.4	86.5	229 500	69.9	85.3	225 000*	52.0
		54.0	65.0	85.4	214 300	68.5	84.2	217 700*	54.0
		56.0	63.6	84.3	200 300	67.0	83.0	209 100	56.0
		58.0	62.2	83.0	187 500	65.6	81.8	196 200	58.0
		60.0	60.7	81.8	175 500	64.1	80.5	183 900	60.0
		62.0	59.3	80.4	164 600	62.6	79.1	172 400	62.0
		66.0	56.2	77.5	144 700	59.5	76.1	151 700	66.0
		70.0	53.1	74.2	127 500	56.3	72.8	133 600	70.0
		74.0	49.7	70.5	110 800*	52.9	69.0	117 600	74.0
		78.0	46.2	66.4	95 600*	49.3	64.7	103 300	78.0
6 9 · 5	2 2 8	82.0	42.4	61.6	84 200*	45.4	59.9	90 400	82.0
		86.0	38.3	56.2	66 500*	41.1	54.2	78 700	86.0
		90.0				36.3	47.5	66 000*	90.0
		94.0				30.5	39.2	48 600*	94.0
		22.9	85.6	103.7	791 300*				22.9
		24.0	85.0	103.6	780 700*				24.0
		26.0	83.8	103.2	728 700*				26.0
		28.0	82.7	102.9	648 300				28.0
		30.0	81.5	102.5	576 600	84.9	101.3	374 700*	30.0
		32.0	80.4	102.0	517 700	83.7	100.9	357 800*	32.0
		34.0	79.2	101.5	468 000	82.5	100.4	342 400*	34.0
		36.0	78.0	101.0	425 300	81.4	99.8	328 200*	36.0
		38.0	76.9	100.4	388 500	80.2	99.2	315 100*	38.0
		40.0	75.7	99.8	356 200	79.0	98.6	302 900*	40.0
		42.0	74.5	99.1	327 800	77.8	97.9	291 500*	42.0
		44.0	73.3	98.4	302 500	76.5	97.2	281 000*	44.0
		46.0	72.1	97.6	280 000	75.3	96.4	271 100*	46.0
		48.0	70.8	96.8	259 600	74.1	95.5	261 900*	48.0
		50.0	69.6	95.9	241 300	72.8	94.7	252 400	50.0
		52.0	68.3	95.0	224 500	71.6	93.7	236 100	52.0
		54.0	67.1	94.0	209 200	70.3	92.7	220 100	54.0
		56.0	65.8	93.0	195 200	69.0	91.7	205 500	56.0
		58.0	64.5	91.9	182 300	67.7	90.6	192 100	58.0
		60.0	63.2	90.7	170 400	66.4	89.4	179 600	60.0
		62.0	61.9	89.5	159 400	65.0	88.2	168 000	62.0
		66.0	59.2	86.9	139 500	62.3	85.5	147 300	66.0
		70.0	56.4	84.0	122 200	59.4	82.6	129 200	70.0
		74.0	53.5	80.8	100 300*	56.5	79.3	113 100	74.0
		78.0	50.5	77.2	93 200*	53.4	75.7	98 800	78.0
		82.0	47.3	73.2	75 900*	50.1	71.6	86 000	82.0
		86.0	43.9	68.7	70 400*	46.6	67.0	74 400	86.0
		90.0	40.2	63.7	55 500*	42.8	61.8	63 700	90.0
		94.0				38.7	55.7	53 500*	94.0

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915 170 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

30.5m (100 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	8 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
7 7 1	2 5 3	22.9	85.9	111.4	758 200*				22.9
		24.0	85.3	111.3	750 700*				24.0
		26.0	84.3	111.0	733 600				26.0
		28.0	83.2	110.6	644 300				28.0
		30.0	82.1	110.2	573 100	85.3	109.0	387 900*	30.0
		32.0	81.1	109.8	514 100	84.2	108.6	371 700*	32.0
		34.0	80.0	109.4	464 100	83.1	108.2	357 000*	34.0
		36.0	78.9	108.9	421 300	82.0	107.6	343 300*	36.0
		38.0	77.8	108.3	384 300	80.9	107.1	330 600*	38.0
		40.0	76.7	107.7	352 000	79.8	106.5	318 900*	40.0
		42.0	75.6	107.1	323 400	78.7	105.9	307 900*	42.0
		44.0	74.5	106.4	298 100	77.5	105.2	297 600*	44.0
		46.0	73.4	105.7	275 400	76.4	104.5	287 400*	46.0
		48.0	72.2	105.0	255 000	75.3	103.7	269 600	48.0
		50.0	71.1	104.2	236 500	74.1	102.9	249 800	50.0
		52.0	70.0	103.3	219 700	73.0	102.1	232 200	52.0
		54.0	68.8	102.4	204 400	71.8	101.1	216 200	54.0
		56.0	67.7	101.5	190 300	70.6	100.2	201 500	56.0
		58.0	66.5	100.5	177 400	69.4	99.2	188 000	58.0
		60.0	65.3	99.4	165 500	68.2	98.1	175 500	60.0
		62.0	64.1	98.3	154 400	67.0	97.0	163 900	62.0
		66.0	61.6	96.0	134 500	64.5	94.6	143 000	66.0
		70.0	59.1	93.4	117 100	62.0	92.0	124 800	70.0
		74.0	56.5	90.5	101 900	59.3	89.0	108 700	74.0
		78.0	53.9	87.3	88 200	56.6	85.8	94 400	78.0
		82.0	51.1	83.9	73 800*	53.8	82.3	81 600	82.0
		86.0	48.1	80.0	59 200*	50.8	78.4	70 000	86.0
		90.0				47.6	74.0	59 500	90.0
		94.0				44.3	69.1	49 800	94.0

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38.1m (125 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	8 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
6 1 - 9	2 0 3	24.4	85.2	103.5	717 600*				24.4
		26.0	84.3	103.3	670 000*				26.0
		28.0	83.2	102.9	618 900*				28.0
		30.0	82.0	102.5	574 700*				30.0
		32.0	80.9	102.0	526 400				32.0
		34.0	79.7	101.5	476 600	84.1	100.3	305 300*	34.0
		36.0	78.5	101.0	434 000	82.9	99.7	291 500*	36.0
		38.0	77.3	100.4	397 200	81.7	99.1	278 800*	38.0
		40.0	76.1	99.8	365 000	80.5	98.5	267 000*	40.0
		42.0	75.0	99.1	336 600	79.3	97.8	256 200*	42.0
		44.0	73.8	98.4	311 400	78.0	97.1	246 100*	44.0
		46.0	72.5	97.6	288 900	76.8	96.3	236 600*	46.0
		48.0	71.3	96.8	268 600	75.6	95.4	227 900*	48.0
		50.0	70.1	95.9	250 200	74.3	94.6	219 700*	50.0
		52.0	68.8	95.0	233 500	73.1	93.6	212 000*	52.0
		54.0	67.6	94.0	218 200	71.8	92.6	204 700*	54.0
		56.0	66.3	93.0	204 200	70.5	91.6	197 900*	56.0
		58.0	65.0	91.9	191 400	69.2	90.5	191 500*	58.0
		60.0	63.7	90.7	179 500	67.8	89.3	185 500*	60.0
		62.0	62.4	89.5	168 400	66.5	88.1	178 500*	62.0
		66.0	59.7	86.9	148 600	63.8	85.4	158 100	66.0
		70.0	56.9	84.0	127 300*	60.9	82.5	139 700	70.0
		74.0	54.0	80.8	116 600*	57.9	79.2	123 600	74.0
		78.0	51.0	77.2	101 100*	54.8	75.5	109 300	78.0
		82.0	47.8	73.2	84 000*	51.6	71.4	96 400	82.0
		86.0	44.4	68.8	79 200*	48.1	66.8	84 700	86.0
		90.0	40.7	63.7	62 900*	44.3	61.6	74 000	90.0
		94.0	36.7	57.9	48 100*	40.1	55.5	64 000*	94.0
6 9 - 5	2 2 8	24.4	85.6	111.2	726 600*				24.4
		26.0	84.7	111.0	698 600*				26.0
		28.0	83.7	110.6	644 600*				28.0
		30.0	82.6	110.3	583 200				30.0
		32.0	81.5	109.8	522 500				32.0
		34.0	80.4	109.4	472 600	84.5	108.0	322 500*	34.0
		36.0	79.3	108.9	429 800	83.4	107.5	309 000*	36.0
		38.0	78.3	108.3	392 900	82.3	107.0	296 600*	38.0
		40.0	77.2	107.7	360 500	81.2	106.4	285 100*	40.0
		42.0	76.1	107.1	332 000	80.1	105.7	274 400*	42.0
		44.0	74.9	106.5	306 700	78.9	105.1	264 400*	44.0
		46.0	73.8	105.7	284 000	77.8	104.4	255 100*	46.0
		48.0	72.7	105.0	263 700	76.7	103.6	246 400*	48.0
		50.0	71.6	104.2	245 200	75.5	102.8	238 300*	50.0
		52.0	70.4	103.3	228 500	74.4	101.9	230 600*	52.0
		54.0	69.3	102.4	213 200	73.2	101.0	223 400*	54.0
		56.0	68.1	101.5	199 100	72.0	100.1	212 900	56.0
		58.0	66.9	100.5	186 200	70.8	99.0	198 700	58.0
		60.0	65.7	99.5	174 300	69.6	98.0	186 200	60.0
		62.0	64.5	98.4	163 200	68.4	96.9	174 500	62.0
		66.0	62.1	96.0	143 300	65.9	94.5	153 600	66.0
		70.0	59.6	93.4	126 000	63.3	91.8	135 300	70.0
		74.0	57.0	90.5	110 800	60.7	88.9	119 100	74.0
		78.0	54.3	87.4	92 800*	58.0	85.7	104 800	78.0
		82.0	51.5	83.9	82 000*	55.1	82.1	91 900	82.0
		86.0	48.6	80.0	68 900*	52.1	78.2	80 200	86.0
		90.0	45.5	75.8	59 000*	49.0	73.8	69 600	90.0
		94.0	42.2	71.0	52 000*	45.6	68.9	59 900	94.0

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23 590 kg CRANE COUNTERWEIGHT

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360 DEGREE RATING

38.1m (125 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	8 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
7 7 1	2 5 3	24.4	85.9	118.9	704 300*				24.4
		26.0	85.1	118.7	693 400*				26.0
		28.0	84.1	118.4	655 200				28.0
		30.0	83.1	118.0	578 200				30.0
		32.0	82.1	117.6	519 000				32.0
		34.0	81.1	117.2	468 800	84.9	115.8	328 100*	34.0
		36.0	80.1	116.7	425 900	83.8	115.3	315 100*	36.0
		38.0	79.0	116.2	388 800	82.8	114.8	303 100*	38.0
		40.0	78.0	115.7	356 300	81.8	114.2	291 900*	40.0
		42.0	77.0	115.1	327 700	80.7	113.7	281 400*	42.0
		44.0	76.0	114.5	302 200	79.7	113.0	271 700*	44.0
		46.0	74.9	113.8	279 500	78.7	112.4	262 600*	46.0
		48.0	73.9	113.1	259 000	77.6	111.7	254 000*	48.0
		50.0	72.8	112.4	240 500	76.5	110.9	245 900*	50.0
		52.0	71.8	111.6	223 700	75.5	110.1	238 000*	52.0
		54.0	70.7	110.8	208 300	74.4	109.3	223 700	54.0
		56.0	69.6	109.9	194 200	73.3	108.4	208 500	56.0
		58.0	68.6	109.0	181 200	72.2	107.5	194 900	58.0
		60.0	67.5	108.0	169 300	71.1	106.5	182 200	60.0
		62.0	66.4	107.0	158 200	70.0	105.5	170 500	62.0
		66.0	64.1	104.8	138 200	67.7	103.3	149 400	66.0
		70.0	61.8	102.5	120 800	65.4	100.9	131 000	70.0
		74.0	59.5	99.9	105 500	63.0	98.2	114 800	74.0
		78.0	57.1	97.0	92 000	60.5	95.3	100 400	78.0
		82.0	54.6	93.9	79 800	58.0	92.2	87 400	82.0
		86.0	52.0	90.5	56 100*	55.4	88.7	75 800	86.0
		90.0	49.3	86.8	54 000*	52.6	84.9	65 100	90.0
		94.0				49.7	80.7	55 500	94.0

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23 590 kg CRANE COUNTERWEIGHT

915 170 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

45.7m (150 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	8 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
6 1 - 9	2 0 3	25.9	85.3	111.0	613 300*				25.9
		26.0	85.3	111.0	611 100*				26.0
		28.0	84.2	110.6	563 200*				28.0
		30.0	83.1	110.3	522 000*				30.0
		32.0	82.1	109.8	486 100*				32.0
		34.0	81.0	109.4	454 500*				34.0
		36.0	79.9	108.9	426 500*	84.8	107.4	278 400*	36.0
		38.0	78.8	108.3	400 900	83.7	106.9	265 900*	38.0
		40.0	77.7	107.7	369 100	82.6	106.3	254 400*	40.0
		42.0	76.6	107.1	340 600	81.5	105.7	243 800*	42.0
		44.0	75.5	106.5	315 300	80.4	105.0	233 900*	44.0
		46.0	74.4	105.7	292 700	79.3	104.3	224 700*	46.0
		48.0	73.3	105.0	272 300	78.1	103.5	216 100*	48.0
		50.0	72.1	104.2	253 900	77.0	102.7	208 100*	50.0
		52.0	71.0	103.3	237 200	75.8	101.8	200 600*	52.0
		54.0	69.8	102.5	221 800	74.6	100.9	193 500*	54.0
		56.0	68.7	101.5	207 800	73.5	100.0	186 900*	56.0
		58.0	67.5	100.5	194 900	72.3	99.0	180 600*	58.0
		60.0	66.3	99.5	183 000	71.0	97.9	174 700*	60.0
		62.0	65.1	98.4	172 000	69.8	96.8	169 100*	62.0
		66.0	62.7	96.0	152 200	67.3	94.4	158 800*	66.0
		70.0	60.1	93.4	134 900	64.8	91.7	144 900	70.0
		74.0	57.6	90.5	118 400	62.1	88.8	128 600	74.0
		78.0	54.9	87.4	101 700*	59.4	85.6	114 200	78.0
		82.0	52.1	83.9	92 500*	56.5	82.0	101 300	82.0
		86.0	49.2	80.0	77 100*	53.6	78.1	89 600	86.0
		90.0	46.1	75.8	66 900*	50.4	73.7	79 000	90.0
		94.0	42.8	71.0	59 700*	47.0	68.8	69 200	94.0
		98.0				43.3	63.2	60 100	98.0
6 9 - 5	2 2 8	25.9	85.6	118.7	652 200*				25.9
		26.0	85.6	118.7	650 100*				26.0
		28.0	84.6	118.4	604 200*				28.0
		30.0	83.6	118.0	561 100*				30.0
		32.0	82.6	117.6	523 700*				32.0
		34.0	81.6	117.2	477 500				34.0
		36.0	80.6	116.7	434 200	85.2	115.2	285 800*	36.0
		38.0	79.6	116.2	397 100	84.2	114.7	273 900*	38.0
		40.0	78.5	115.7	364 700	83.1	114.1	262 900*	40.0
		42.0	77.5	115.1	336 100	82.1	113.6	252 700*	42.0
		44.0	76.5	114.5	310 700	81.1	112.9	243 200*	44.0
		46.0	75.5	113.8	288 000	80.0	112.3	234 400*	46.0
		48.0	74.4	113.1	267 500	78.9	111.6	226 100*	48.0
		50.0	73.4	112.4	249 000	77.9	110.8	218 400*	50.0
		52.0	72.3	111.6	232 200	76.8	110.0	211 100*	52.0
		54.0	71.2	110.8	216 800	75.7	109.2	204 200*	54.0
		56.0	70.2	109.9	202 800	74.6	108.3	197 800*	56.0
		58.0	69.1	109.0	189 800	73.5	107.4	191 700*	58.0
		60.0	68.0	108.0	177 800	72.4	106.4	185 900*	60.0
		62.0	66.9	107.0	166 800	71.3	105.4	179 300*	62.0
		66.0	64.7	104.8	146 900	69.0	103.2	159 300	66.0
		70.0	62.4	102.5	129 500	66.7	100.7	140 600	70.0
		74.0	60.0	99.9	114 200	64.3	98.1	124 300	74.0
		78.0	57.6	97.0	100 700	61.9	95.2	109 800	78.0
		82.0	55.1	93.9	88 500	59.3	92.0	96 800	82.0
		86.0	52.5	90.5	75 900*	56.7	88.6	85 100	86.0
		90.0	49.8	86.8	62 600*	53.9	84.7	74 500	90.0
		94.0	47.0	82.7	50 100*	51.0	80.5	64 700	94.0
		98.0				48.0	75.8	55 800	98.0

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

M-1200

JIB NO. 75 WITH 25.1m STRUT ON

BOOM NO. 72 OR NO. 72A WITH 1300 METRIC TON BOOM POINT

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

915 170 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

45.7m (150 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	8 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
7 7 1	2 5 3	25.9	85.9	126.4	652 700*				25.9
		26.0	85.9	126.4	651 800*				26.0
		28.0	84.9	126.1	627 500*				28.0
		30.0	84.0	125.7	579 600				30.0
		32.0	83.1	125.4	523 900				32.0
		34.0	82.1	125.0	473 500				34.0
		36.0	81.2	124.5	430 400	85.5	122.9	290 200*	36.0
		38.0	80.2	124.0	393 200	84.5	122.5	278 700*	38.0
		40.0	79.3	123.5	360 600	83.6	122.0	268 100*	40.0
		42.0	78.3	123.0	331 800	82.6	121.4	258 200*	42.0
		44.0	77.4	122.4	306 300	81.6	120.8	249 000*	44.0
		46.0	76.4	121.8	283 500	80.7	120.2	240 300*	46.0
		48.0	75.4	121.2	263 000	79.7	119.5	232 200*	48.0
		50.0	74.4	120.5	244 400	78.7	118.8	224 600*	50.0
		52.0	73.5	119.7	227 500	77.7	118.1	217 400*	52.0
		54.0	72.5	119.0	212 100	76.7	117.3	210 600*	54.0
		56.0	71.5	118.2	198 000	75.7	116.5	204 200*	56.0
		58.0	70.5	117.3	184 900	74.7	115.6	198 100*	58.0
		60.0	69.5	116.4	172 900	73.6	114.7	188 500	60.0
		62.0	68.4	115.5	161 800	72.6	113.8	176 300	62.0
		66.0	66.4	113.5	141 800	70.5	111.8	155 000	66.0
		70.0	64.3	111.3	124 400	68.4	109.5	136 500	70.0
		74.0	62.1	108.9	109 100	66.2	107.1	120 100	74.0
		78.0	59.9	106.3	95 400	63.9	104.5	105 500	78.0
		82.0	57.7	103.5	83 300	61.6	101.6	92 500	82.0
		86.0	55.3	100.5	72 300	59.3	98.5	80 700	86.0
		90.0				56.8	95.1	70 000	90.0
		94.0				54.2	91.4	60 300	94.0
		98.0				51.6	87.3	50 100*	98.0

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

M-1200

JIB NO. 75 WITH 25.1m STRUT ON

BOOM NO. 72 OR NO. 72A WITH 1300 METRIC TON BOOM POINT

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

915 170 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

53.3m (175 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	8 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
6 1 · 9	2 0 3	27.4	85.4	118.5	525 800*				27.4
		28.0	85.1	118.4	514 300*				28.0
		30.0	84.1	118.0	475 600*				30.0
		32.0	83.1	117.6	442 300*				32.0
		34.0	82.1	117.2	413 000*				34.0
		36.0	81.1	116.7	387 000*				36.0
		38.0	80.1	116.2	363 900*	85.3	114.7	253 800*	38.0
		40.0	79.1	115.7	343 100*	84.3	114.2	242 700*	40.0
		42.0	78.0	115.1	324 300*	83.3	113.6	232 500*	42.0
		44.0	77.0	114.5	307 200*	82.2	113.0	223 000*	44.0
		46.0	76.0	113.8	291 700*	81.2	112.3	214 200*	46.0
		48.0	74.9	113.1	276 000*	80.1	111.6	205 900*	48.0
		50.0	73.9	112.4	257 300	79.0	110.9	198 200*	50.0
		52.0	72.8	111.6	240 500	78.0	110.1	191 000*	52.0
		54.0	71.8	110.8	225 100	76.9	109.2	184 200*	54.0
		56.0	70.7	109.9	211 100	75.8	108.3	177 900*	56.0
		58.0	69.6	109.0	198 200	74.7	107.4	171 900*	58.0
		60.0	68.5	108.0	186 200	73.6	106.4	166 300*	60.0
		62.0	67.4	107.0	175 100	72.5	105.4	160 900*	62.0
		66.0	65.2	104.8	155 300	70.2	103.2	151 100*	66.0
		70.0	62.9	102.5	138 000	67.9	100.8	142 300*	70.0
		74.0	60.6	99.9	122 700	65.5	98.2	133 300*	74.0
		78.0	58.1	97.0	109 200	63.0	95.3	118 700	78.0
		82.0	55.6	93.9	97 100	60.5	92.1	105 700	82.0
		86.0	53.1	90.5	84 200*	57.9	88.6	94 000	86.0
		90.0	50.4	86.8	70 600*	55.1	84.8	83 400	90.0
		94.0	47.6	82.7	58 000*	52.2	80.6	73 700	94.0
		98.0	44.6	78.1	55 500*	49.1	75.9	64 800	98.0
		102.0				45.9	70.7	56 600	102.0
		106.0				42.3	64.7	47 800*	106.0
6 9 · 5	2 2 8	27.4	85.7	126.2	561 300*				27.4
		28.0	85.4	126.1	549 400*				28.0
		30.0	84.5	125.7	509 400*				30.0
		32.0	83.5	125.4	474 900*				32.0
		34.0	82.6	125.0	444 400*				34.0
		36.0	81.7	124.5	417 300*				36.0
		38.0	80.7	124.0	393 000*				38.0
		40.0	79.8	123.5	369 300	84.7	122.0	248 100*	40.0
		42.0	78.8	123.0	339 900	83.7	121.4	238 100*	42.0
		44.0	77.8	122.4	314 400	82.7	120.8	228 800*	44.0
		46.0	76.9	121.8	291 600	81.7	120.2	220 200*	46.0
		48.0	75.9	121.2	271 100	80.8	119.6	212 100*	48.0
		50.0	74.9	120.5	252 500	79.8	118.9	204 500*	50.0
		52.0	73.9	119.7	235 600	78.8	118.1	197 400*	52.0
		54.0	73.0	119.0	220 200	77.8	117.3	190 600*	54.0
		56.0	72.0	118.2	206 100	76.8	116.5	184 300*	56.0
		58.0	71.0	117.3	193 100	75.7	115.7	178 400*	58.0
		60.0	69.9	116.4	181 100	74.7	114.8	172 800*	60.0
		62.0	68.9	115.5	170 000	73.7	113.8	167 400*	62.0
		66.0	66.9	113.5	150 100	71.6	111.8	157 600*	66.0
		70.0	64.8	111.3	132 700	69.4	109.6	145 100	70.0
		74.0	62.6	108.9	117 400	67.3	107.2	128 800	74.0
		78.0	60.4	106.3	103 800	65.0	104.5	114 300	78.0
		82.0	58.2	103.5	91 600	62.7	101.6	101 300	82.0
		86.0	55.8	100.5	79 300	60.3	98.5	89 500	86.0
		90.0	53.4	97.1	59 900*	57.9	95.1	78 900	90.0
		94.0	50.9	93.5	55 800*	55.3	91.4	69 200	94.0
		98.0				52.7	87.3	60 300	98.0
		102.0				49.9	82.8	52 000	102.0

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

M-1200

JIB NO. 75 WITH 25.1m STRUT ON

BOOM NO. 72 OR NO. 72A WITH 1300 METRIC TON BOOM POINT

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

915 170 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

61.0m (200 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	8 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
61.9	203	29.0	85.5	125.9	455 400*				29.0
		30.0	85.0	125.7	437 800*				30.0
		32.0	84.1	125.4	406 500*				32.0
		34.0	83.1	125.0	379 200*				34.0
		36.0	82.2	124.5	355 100*				36.0
		38.0	81.3	124.1	333 500*				38.0
		40.0	80.3	123.5	314 100*				40.0
		42.0	79.3	123.0	296 700*	85.0	121.4	216 600*	42.0
		44.0	78.4	122.4	280 800*	84.0	120.8	207 300*	44.0
		46.0	77.4	121.8	266 300*	83.1	120.2	198 800*	46.0
		48.0	76.4	121.2	253 100*	82.1	119.5	190 800*	48.0
		50.0	75.5	120.5	241 000*	81.1	118.8	183 300*	50.0
		52.0	74.5	119.7	229 700*	80.1	118.1	176 400*	52.0
		54.0	73.5	119.0	219 400*	79.1	117.3	169 800*	54.0
		56.0	72.5	118.2	209 800*	78.1	116.5	163 600*	56.0
		58.0	71.5	117.3	200 700*	77.1	115.6	157 800*	58.0
		60.0	70.5	116.4	188 700	76.0	114.7	152 300*	60.0
		62.0	69.5	115.5	177 600	75.0	113.8	147 000*	62.0
		66.0	67.4	113.5	157 700	72.9	111.8	137 500*	66.0
		70.0	65.3	111.3	140 300	70.8	109.5	128 800*	70.0
		74.0	63.2	108.9	125 000	68.6	107.1	121 000*	74.0
		78.0	61.0	106.3	111 400	66.3	104.5	113 800*	78.0
		82.0	58.7	103.5	99 300	64.0	101.6	107 300*	82.0
		86.0	56.4	100.5	80 200*	61.7	98.5	97 400	86.0
		90.0	54.0	97.1	77 200*	59.2	95.1	86 700	90.0
		94.0	51.5	93.5	63 800*	56.7	91.4	77 000	94.0
		98.0	48.9	89.5	52 400*	54.0	87.3	68 100	98.0
		102.0				51.2	82.8	59 900	102.0
		106.0				48.2	77.8	52 300	106.0
69.5	228	29.0	85.8	133.6	485 300*				29.0
		30.0	85.3	133.4	467 200*				30.0
		32.0	84.4	133.1	434 900*				32.0
		34.0	83.5	132.7	406 600*				34.0
		36.0	82.7	132.3	381 500*				36.0
		38.0	81.8	131.9	359 100*				38.0
		40.0	80.9	131.4	338 900*				40.0
		42.0	80.0	130.9	320 500*	85.3	129.2	222 000*	42.0
		44.0	79.1	130.3	303 900*	84.4	128.6	213 100*	44.0
		46.0	78.2	129.8	288 700*	83.5	128.0	204 700*	46.0
		48.0	77.3	129.1	273 700*	82.6	127.4	197 000*	48.0
		50.0	76.3	128.5	255 600	81.6	126.8	189 700*	50.0
		52.0	75.4	127.8	238 500	80.7	126.1	182 800*	52.0
		54.0	74.5	127.1	223 000	79.8	125.3	176 400*	54.0
		56.0	73.6	126.3	208 900	78.8	124.6	170 300*	56.0
		58.0	72.6	125.6	195 800	77.9	123.8	164 600*	58.0
		60.0	71.7	124.7	183 800	76.9	122.9	159 200*	60.0
		62.0	70.7	123.9	172 600	76.0	122.1	154 100*	62.0
		66.0	68.8	122.0	152 600	74.0	120.2	144 600*	66.0
		70.0	66.9	120.0	135 100	72.0	118.1	136 100*	70.0
		74.0	64.9	117.8	119 800	70.0	115.9	128 300*	74.0
		78.0	62.9	115.4	106 100	68.0	113.5	118 600	78.0
		82.0	60.8	112.8	94 000	65.8	110.8	104 800	82.0
		86.0	58.7	110.0	83 000	63.7	108.0	93 000	86.0
		90.0	56.5	107.0	73 100	61.5	104.9	82 300	90.0
		94.0	54.2	103.7	54 700*	59.2	101.5	72 600	94.0
		98.0				56.8	97.9	63 600	98.0
		102.0				54.3	93.9	55 400	102.0
		106.0				51.7	89.6	47 700	106.0

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

M-1200

JIB NO. 75 WITH 25.1m STRUT ON

BOOM NO. 72 OR NO. 72A WITH 1300 METRIC TON BOOM POINT

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

915 170 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

68.6m (225 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	8 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
6 1 · 9	2 0 3	30.5	85.6	133.4	405 400*				30.5
		32.0	84.9	133.1	383 000*				32.0
		34.0	84.0	132.7	356 600*				34.0
		36.0	83.1	132.3	333 300*				36.0
		38.0	82.2	131.9	312 500*				38.0
		40.0	81.3	131.4	293 900*				40.0
		42.0	80.4	130.9	277 100*				42.0
		44.0	79.5	130.3	261 800*				44.0
		46.0	78.6	129.8	247 800*	84.7	128.1	180 900*	46.0
		48.0	77.7	129.2	234 200*	83.8	127.4	173 400*	48.0
		50.0	76.8	128.5	223 700*	82.9	126.8	166 400*	50.0
		52.0	75.9	127.8	212 800*	81.9	126.1	159 800*	52.0
		54.0	75.0	127.1	202 900*	81.0	125.4	153 600*	54.0
		56.0	74.0	126.4	193 700*	80.1	124.6	147 800*	56.0
		58.0	73.1	125.6	185 100*	79.1	123.8	142 300*	58.0
		60.0	72.2	124.7	177 100*	78.1	123.0	137 100*	60.0
		62.0	71.2	123.9	169 700*	77.2	122.1	132 200*	62.0
		66.0	69.3	122.0	156 100*	75.2	120.2	123 200*	66.0
		70.0	67.4	120.0	142 000	73.3	118.1	115 000*	70.0
		74.0	65.4	117.8	126 700	71.2	115.9	107 700*	74.0
		78.0	63.3	115.4	113 200	69.2	113.5	100 900*	78.0
		82.0	61.3	112.8	101 000	67.1	110.8	94 800*	82.0
		86.0	59.1	110.0	90 100	64.9	108.0	89 100*	86.0
		90.0	57.0	107.0	76 100*	62.7	104.9	83 900*	90.0
		94.0	54.7	103.7	62 200*	60.4	101.6	79 100*	94.0
		98.0	52.4	100.2	57 300*	58.0	97.9	71 300	98.0
		102.0				55.5	94.0	63 100	102.0
		106.0				52.9	89.6	55 500	106.0