

LIFTCRANE BOOM CAPACITIES WITH JIB NO. 75 ATTACHED

M-1200

**BOOM NO. 72 OR NO. 72A WITH 1300 METRIC TON BOOM POINT
MAST NO. 75
25.1m JIB STRUT
JIB AT 20 DEGREE OFFSET
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 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, ETC., BENEATH BOOM POINT SHEAVES, IS CONSIDERED PART OF MAIN BOOM LOAD. WEIGHT OF JIB AND 45 360 kg JIB LOAD (WEIGHT OF ALL LOAD BLOCKS, HOOKS, WEIGHT BALLS, SLINGS, HOIST LINES, ETC. BENEATH JIB POINT SHEAVES) HAVE BEEN INCLUDED IN CAPACITY DETERMINATION. DO NOT USE THIS CHART IF JIB LOAD EXCEEDS 45 360 kg. IF JIB LOAD IS LESS THAN 45 360 kg, THE DIFFERENCE CAN BE ADDED TO BOOM CAPACITY. BOOM IS NOT TO BE LOWERED BEYOND RADII WHERE COMBINED WEIGHTS BENEATH BOOM POINT SHEAVES 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. DURING OPERATION, JIB MUST BE AT PROPER OFFSET ANGLE SHOWN. REFER TO BOOM RIGGING NO. 173399, JIB ASSEMBLY NO. 173400 AND WIRE ROPE SPECIFICATION CHART NO. 7683-E. 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 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. BOOM POINT ELEVATION IS VERTICAL DISTANCE FROM GROUND LEVEL TO CENTERLINE OF BOOM 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, 32 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	---
77.1m	61.0m
69.5m	68.6m
61.9m	76.2m
LOAD BLOCKS ON GROUND AT START.	

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

MANITOWOC ENGINEERING CO.

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



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25.1m JIB STRUT

30.5m JIB AT 20 DEGREE OFFSET

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

915 170 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
6 1 · 9	2 0 3	19.8	81.4	64.4	1 039 900*
		20.0	81.2	64.3	1 023 000*
		22.0	79.3	63.9	850 400
		24.0	77.4	63.4	717 900
		26.0	75.5	62.9	616 100
		28.0	73.6	62.3	534 700
		30.0	71.6	61.6	468 400
		32.0	69.6	60.8	413 400
		34.0	67.6	59.9	366 800
		36.0	65.6	59.0	327 000
		38.0	63.5	58.0	292 500
		40.0	61.4	56.8	262 400
		42.0	59.2	55.6	235 800
		44.0	57.0	54.3	212 300
		46.0	54.7	52.8	191 200
		48.0	52.3	51.2	172 200
		50.0	49.9	49.5	155 000
		52.0	47.3	47.6	139 300
		54.0	44.7	45.5	120 900*
		56.0	41.9	43.3	100 400*
		58.0	38.9	40.7	81 400*
		60.0	35.7	37.9	63 000*
6 9 · 5	2 2 8	21.3	81.1	71.8	904 500
		22.0	80.5	71.7	854 700
		24.0	78.8	71.3	719 000
		26.0	77.1	70.8	617 000
		28.0	75.4	70.2	535 300
		30.0	73.7	69.6	468 800
		32.0	72.0	68.9	413 600
		34.0	70.2	68.2	366 900
		36.0	68.4	67.4	326 900
		38.0	66.6	66.5	292 400
		40.0	64.8	65.5	262 200
		42.0	62.9	64.4	235 500
		44.0	61.0	63.3	211 900
		46.0	59.1	62.1	190 700
		48.0	57.1	60.7	171 600
		50.0	55.1	59.3	154 400
		52.0	53.0	57.8	138 800
		54.0	50.9	56.1	124 500
		56.0	48.6	54.3	111 400
		58.0	46.3	52.4	99 200
		60.0	43.9	50.3	83 400*
		62.0	41.4	48.0	67 600*
		64.0	38.8	45.4	52 500*

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
7 7 · 1	2 5 3	21.3	82.0	79.6	904 800
		22.0	81.5	79.5	854 900
		24.0	80.0	79.1	718 900
		26.0	78.4	78.6	616 600
		28.0	76.9	78.1	534 800
		30.0	75.4	77.6	468 200
		32.0	73.8	77.0	412 900
		34.0	72.3	76.3	366 000
		36.0	70.7	75.6	326 000
		38.0	69.1	74.8	291 400
		40.0	67.5	73.9	261 100
		42.0	65.8	73.0	234 400
		44.0	64.2	72.0	210 600
		46.0	62.5	70.9	189 400
		48.0	60.8	69.8	170 400
		50.0	59.0	68.6	153 100
		52.0	57.2	67.2	137 400
		54.0	55.4	65.8	123 000
		56.0	53.6	64.3	109 900
		58.0	51.6	62.7	97 800
		60.0	49.7	61.0	86 700
		62.0	47.7	59.1	76 100*
		64.0	45.6	57.1	63 300*

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38.1m JIB AT 20 DEGREE OFFSET
18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS
23 590 kg CRANE COUNTERWEIGHT
915 170 kg AUXILIARY COUNTERWEIGHT
360 DEGREE RATING

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
6 1 9	2 0 3	19.8	81.4	64.4	1 020 800
		20.0	81.2	64.3	1 003 200
		22.0	79.3	63.9	825 300
		24.0	77.4	63.4	695 100
		26.0	75.5	62.9	594 500
		28.0	73.6	62.3	514 000
		30.0	71.6	61.6	448 400
		32.0	69.6	60.8	394 000
		34.0	67.6	59.9	348 000
		36.0	65.6	59.0	308 600
		38.0	63.5	58.0	274 600
		40.0	61.4	56.8	244 800
		42.0	59.2	55.6	218 600
		44.0	57.0	54.3	195 300
		46.0	54.7	52.8	174 500
		48.0	52.3	51.2	155 800
		50.0	49.9	49.5	138 900
		52.0	47.3	47.6	120 600*
		54.0	44.7	45.5	99 500*
		56.0	41.9	43.3	79 700*
		58.0	38.9	40.7	60 900*
6 9 5	2 2 8	21.3	81.1	71.8	880 600
		22.0	80.5	71.7	831 400
		24.0	78.8	71.3	697 100
		26.0	77.1	70.8	596 100
		28.0	75.4	70.2	515 400
		30.0	73.7	69.6	449 700
		32.0	72.0	68.9	395 100
		34.0	70.2	68.2	348 900
		36.0	68.4	67.4	309 400
		38.0	66.6	66.5	275 300
		40.0	64.8	65.5	245 400
		42.0	62.9	64.4	219 000
		44.0	61.0	63.3	195 700
		46.0	59.1	62.1	174 800
		48.0	57.1	60.7	156 000
		50.0	55.1	59.3	139 000
		52.0	53.0	57.8	123 600
		54.0	50.9	56.1	109 400
		56.0	48.6	54.3	96 400*
		58.0	46.3	52.4	80 200*
		60.0	43.9	50.3	63 900*

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
7 7 1	2 5 3	21.3	82.0	79.6	881 500
		22.0	81.5	79.5	832 200
		24.0	80.0	79.1	697 600
		26.0	78.4	78.6	596 500
		28.0	76.9	78.1	515 600
		30.0	75.4	77.6	449 700
		32.0	73.8	77.0	395 000
		34.0	72.3	76.3	348 700
		36.0	70.7	75.6	309 100
		38.0	69.1	74.8	274 900
		40.0	67.5	73.9	244 900
		42.0	65.8	73.0	218 500
		44.0	64.2	72.0	195 100
		46.0	62.5	70.9	174 100
		48.0	60.8	69.8	155 300
		50.0	59.0	68.6	138 200
		52.0	57.2	67.2	122 700
		54.0	55.4	65.8	108 600
		56.0	53.6	64.3	95 600
		58.0	51.6	62.7	83 700
		60.0	49.7	61.0	72 200
		62.0	47.7	59.1	58 500*

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MAST NO. 75

25.1m JIB STRUT

45.7m JIB AT 20 DEGREE OFFSET

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

915 170 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
6 1 · 9	2 0 3	19.8	81.4	64.4	993 300
		20.0	81.2	64.3	975 900
		22.0	79.3	63.9	800 300
		24.0	77.4	63.4	671 600
		26.0	75.5	62.9	572 300
		28.0	73.6	62.3	492 800
		30.0	71.6	61.6	428 000
		32.0	69.6	60.8	374 400
		34.0	67.6	59.9	328 900
		36.0	65.6	59.0	290 000
		38.0	63.5	58.0	256 500
		40.0	61.4	56.8	227 100
		42.0	59.2	55.6	201 300
		44.0	57.0	54.3	178 300
		46.0	54.7	52.8	157 800
		48.0	52.3	51.2	139 400
		50.0	49.9	49.5	120 900*
		52.0	47.3	47.6	99 200*
		54.0	44.7	45.5	78 500*
		56.0	41.9	43.3	59 000*
6 9 · 5	2 2 8	21.3	81.1	71.8	855 800
		22.0	80.5	71.7	807 200
		24.0	78.8	71.3	674 500
		26.0	77.1	70.8	574 800
		28.0	75.4	70.2	495 100
		30.0	73.7	69.6	430 100
		32.0	72.0	68.9	376 300
		34.0	70.2	68.2	330 600
		36.0	68.4	67.4	291 700
		38.0	66.6	66.5	258 000
		40.0	64.8	65.5	228 500
		42.0	62.9	64.4	202 500
		44.0	61.0	63.3	179 500
		46.0	59.1	62.1	158 900
		48.0	57.1	60.7	140 300
		50.0	55.1	59.3	123 600
		52.0	53.0	57.8	108 400
		54.0	50.9	56.1	94 100
		56.0	48.6	54.3	77 900*
		58.0	46.3	52.4	60 700*

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
7 7 · 1	2 5 3	21.3	82.0	79.6	857 400
		22.0	81.5	79.5	808 600
		24.0	80.0	79.1	675 700
		26.0	78.4	78.6	575 800
		28.0	76.9	78.1	495 900
		30.0	75.4	77.6	430 800
		32.0	73.8	77.0	376 800
		34.0	72.3	76.3	331 100
		36.0	70.7	75.6	292 000
		38.0	69.1	74.8	258 200
		40.0	67.5	73.9	228 700
		42.0	65.8	73.0	202 600
		44.0	64.2	72.0	179 500
		46.0	62.5	70.9	158 800
		48.0	60.8	69.8	140 200
		50.0	59.0	68.6	123 400
		52.0	57.2	67.2	108 100
		54.0	55.4	65.8	94 200
		56.0	53.6	64.3	81 400
		58.0	51.6	62.7	68 600*
		60.0	49.7	61.0	53 900*

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53.3m JIB AT 20 DEGREE OFFSET
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23 590 kg CRANE COUNTERWEIGHT
915 170 kg AUXILIARY COUNTERWEIGHT
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BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
6 1 · 9	2 0 3	19.8	81.4	64.4	965 400
		20.0	81.2	64.3	948 200
		22.0	79.3	63.9	774 600
		24.0	77.4	63.4	647 500
		26.0	75.5	62.9	549 300
		28.0	73.6	62.3	470 700
		30.0	71.6	61.6	406 800
		32.0	69.6	60.8	353 800
		34.0	67.6	59.9	308 900
		36.0	65.6	59.0	270 500
		38.0	63.5	58.0	237 400
		40.0	61.4	56.8	208 400
		42.0	59.2	55.6	182 900
		44.0	57.0	54.3	160 300
		46.0	54.7	52.8	140 100
		48.0	52.3	51.2	120 800
		50.0	49.9	49.5	98 500*
		52.0	47.3	47.6	76 400*
		54.0	44.7	45.5	56 100*
6 9 · 5	2 2 8	21.3	81.1	71.8	830 500
		22.0	80.5	71.7	782 400
		24.0	78.8	71.3	651 300
		26.0	77.1	70.8	552 800
		28.0	75.4	70.2	474 000
		30.0	73.7	69.6	409 900
		32.0	72.0	68.9	356 600
		34.0	70.2	68.2	311 600
		36.0	68.4	67.4	273 100
		38.0	66.6	66.5	239 800
		40.0	64.8	65.5	210 700
		42.0	62.9	64.4	185 100
		44.0	61.0	63.3	162 300
		46.0	59.1	62.1	142 000
		48.0	57.1	60.7	123 700
		50.0	55.1	59.3	107 200
		52.0	53.0	57.8	92 000
		54.0	50.9	56.1	74 300*
		56.0	48.6	54.3	56 500*

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
7 7 · 1	2 5 3	21.3	82.0	79.6	832 800
		22.0	81.5	79.5	784 600
		24.0	80.0	79.1	653 300
		26.0	78.4	78.6	554 500
		28.0	76.9	78.1	475 600
		30.0	75.4	77.6	411 300
		32.0	73.8	77.0	357 900
		34.0	72.3	76.3	312 800
		36.0	70.7	75.6	274 100
		38.0	69.1	74.8	240 800
		40.0	67.5	73.9	211 600
		42.0	65.8	73.0	185 900
		44.0	64.2	72.0	163 000
		46.0	62.5	70.9	142 600
		48.0	60.8	69.8	124 300
		50.0	59.0	68.6	107 700
		52.0	57.2	67.2	92 700
		54.0	55.4	65.8	78 700
		56.0	53.6	64.3	63 900*

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BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
6 1 · 9	2 0 3	19.8	81.4	64.4	935 300
		20.0	81.2	64.3	918 400
		22.0	79.3	63.9	747 200
		24.0	77.4	63.4	621 800
		26.0	75.5	62.9	525 000
		28.0	73.6	62.3	447 600
		30.0	71.6	61.6	384 600
		32.0	69.6	60.8	332 300
		34.0	67.6	59.9	288 100
		36.0	65.6	59.0	250 300
		38.0	63.5	58.0	217 700
		40.0	61.4	56.8	189 200
		42.0	59.2	55.6	164 100
		44.0	57.0	54.3	141 900
		46.0	54.7	52.8	121 600
		48.0	52.3	51.2	98 200*
		50.0	49.9	49.5	74 800*
6 9 · 5	2 2 8	21.3	81.1	71.8	803 400
		22.0	80.5	71.7	756 000
		24.0	78.8	71.3	626 700
		26.0	77.1	70.8	529 600
		28.0	75.4	70.2	451 900
		30.0	73.7	69.6	388 600
		32.0	72.0	68.9	336 200
		34.0	70.2	68.2	291 800
		36.0	68.4	67.4	253 800
		38.0	66.6	66.5	221 000
		40.0	64.8	65.5	192 400
		42.0	62.9	64.4	167 100
		44.0	61.0	63.3	144 800
		46.0	59.1	62.1	124 700
		48.0	57.1	60.7	106 800
		50.0	55.1	59.3	90 300*
		52.0	53.0	57.8	71 100*
7 7 · 1	2 5 3	21.3	82.0	79.6	802 200*
		22.0	81.5	79.5	756 500*
		24.0	80.0	79.1	629 700
		26.0	78.4	78.6	532 000
		28.0	76.9	78.1	454 200
		30.0	75.4	77.6	390 800
		32.0	73.8	77.0	338 200
		34.0	72.3	76.3	293 600
		36.0	70.7	75.6	255 600
		38.0	69.1	74.8	222 700
		40.0	67.5	73.9	194 000
		42.0	65.8	73.0	168 700
		44.0	64.2	72.0	146 200
		46.0	62.5	70.9	126 100
		48.0	60.8	69.8	108 000
		50.0	59.0	68.6	91 700
		52.0	57.2	67.2	76 200*
		54.0	55.4	65.8	59 100*

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MAST NO. 75
25.1m JIB STRUT
68.6m JIB AT 20 DEGREE OFFSET
18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS
23 590 kg CRANE COUNTERWEIGHT
915 170 kg AUXILIARY COUNTERWEIGHT
360 DEGREE RATING

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
6 1 · 9	2 0 3	19.8	81.4	64.4	901 300
		20.0	81.2	64.3	884 700
		22.0	79.3	63.9	716 200
		24.0	77.4	63.4	592 900
		26.0	75.5	62.9	497 700
		28.0	73.6	62.3	421 600
		30.0	71.6	61.6	359 600
		32.0	69.6	60.8	308 200
		34.0	67.6	59.9	264 800
		36.0	65.6	59.0	227 700
		38.0	63.5	58.0	195 600
		40.0	61.4	56.8	167 600
		42.0	59.2	55.6	143 000
		44.0	57.0	54.3	121 200
		46.0	54.7	52.8	95 800*
		48.0	52.3	51.2	71 100*
		50.0	49.9	49.5	48 500*
6 9 · 5	2 2 8	21.3	81.1	71.8	772 700
		22.0	80.5	71.7	726 100
		24.0	78.8	71.3	598 900
		26.0	77.1	70.8	503 300
		28.0	75.4	70.2	426 900
		30.0	73.7	69.6	364 700
		32.0	72.0	68.9	313 100
		34.0	70.2	68.2	269 400
		36.0	68.4	67.4	232 200
		38.0	66.6	66.5	199 900
		40.0	64.8	65.5	171 800
		42.0	62.9	64.4	147 000
		44.0	61.0	63.3	125 000
		46.0	59.1	62.1	105 400
		48.0	57.1	60.7	86 700
		50.0	55.1	59.3	65 900*

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH JIB NO. 75 ATTACHED M-1200

BOOM NO. 72 OR NO. 72A WITH 1300 METRIC TON BOOM POINT
MAST NO. 75
25.1m JIB STRUT
76.2m JIB AT 20 DEGREE OFFSET
18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS
23 590 kg CRANE COUNTERWEIGHT
915 170 kg AUXILIARY COUNTERWEIGHT
360 DEGREE RATING

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
6 1 . 9	2 0 3	19.8	81.4	64.4	870 200
		20.0	81.2	64.3	853 800
		22.0	79.3	63.9	687 800
		24.0	77.4	63.4	566 200
		26.0	75.5	62.9	472 400
		28.0	73.6	62.3	397 300
		30.0	71.6	61.6	336 300
		32.0	69.6	60.8	285 700
		34.0	67.6	59.9	242 900
		36.0	65.6	59.0	206 400
		38.0	63.5	58.0	174 900
		40.0	61.4	56.8	147 300
		42.0	59.2	55.6	122 900*
		44.0	57.0	54.3	96 700*
		46.0	54.7	52.8	70 000*