

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****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 AND 934 940 kg AUXILIARY 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.

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23 590 kg CRANE COUNTERWEIGHT

934 940 kg AUXILIARY COUNTERWEIGHT

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	JIB CAPACITY KILOGRAMS
6 1 · 9	2 0 3	19.8	85.3	81.1	1 045 400*
		20.0	85.2	81.1	1 043 200*
		22.0	83.7	80.7	1 000 000
		24.0	82.2	80.4	874 000
		26.0	80.7	79.9	761 700
		28.0	79.2	79.5	674 800
		30.0	77.7	78.9	604 000
		32.0	76.2	78.3	545 200
		34.0	74.6	77.7	495 400
		36.0	73.1	76.9	452 900
		38.0	71.5	76.2	416 000
		40.0	69.9	75.3	383 800
		42.0	68.3	74.4	355 400
		44.0	66.7	73.4	330 100
		46.0	65.1	72.4	307 500
		48.0	63.4	71.3	287 200
		50.0	61.7	70.1	268 800
		52.0	59.9	68.8	252 000
		54.0	58.2	67.4	236 800
		56.0	56.3	65.9	222 700
		58.0	54.5	64.4	209 800
		60.0	52.6	62.7	197 800
		62.0	50.6	60.9	186 800
		66.0	46.5	56.9	166 900
		70.0	42.0	52.2	149 400
		74.0	37.0	46.7	133 900
		78.0	31.2	39.9	120 100
6 9 · 5	2 2 8	19.8	85.7	88.8	1 014 400*
		20.0	85.6	88.7	1 012 500*
		22.0	84.3	88.5	980 500
		24.0	82.9	88.1	875 400
		26.0	81.6	87.7	760 000
		28.0	80.2	87.3	672 700
		30.0	78.8	86.8	601 700
		32.0	77.4	86.3	542 700
		34.0	76.1	85.7	492 700
		36.0	74.7	85.0	450 000
		38.0	73.2	84.3	413 000
		40.0	71.8	83.6	380 700
		42.0	70.4	82.7	352 200
		44.0	68.9	81.9	326 800
		46.0	67.5	80.9	304 100
		48.0	66.0	79.9	283 700
		50.0	64.5	78.9	265 300
		52.0	62.9	77.7	248 500
		54.0	61.4	76.5	233 100
		56.0	59.8	75.2	219 100
		58.0	58.2	73.9	206 100
		60.0	56.5	72.4	194 100
		62.0	54.8	70.9	183 000
		66.0	51.4	67.5	163 100
		70.0	47.7	63.7	145 600
		74.0	43.7	59.3	130 200
		78.0	39.4	54.3	116 500
		82.0	34.6	48.3	104 100
		86.0	29.1	40.9	92 000

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7 7 · 1	2 5 3	21.3	85.2	96.3	964 100*
		22.0	84.7	96.2	955 300
		24.0	83.5	95.8	877 000
		26.0	82.3	95.5	758 000
		28.0	81.0	95.1	670 400
		30.0	79.8	94.6	599 100
		32.0	78.5	94.1	539 900
		34.0	77.2	93.6	489 800
		36.0	75.9	93.0	447 000
		38.0	74.7	92.4	409 900
		40.0	73.4	91.7	377 400
		42.0	72.1	90.9	348 800
		44.0	70.7	90.2	323 400
		46.0	69.4	89.3	300 600
		48.0	68.1	88.4	280 200
		50.0	66.7	87.5	261 600
		52.0	65.3	86.4	244 800
		54.0	64.0	85.4	229 400
		56.0	62.5	84.2	215 300
		58.0	61.1	83.0	202 300
		60.0	59.7	81.7	190 300
		62.0	58.2	80.4	179 100
		66.0	55.1	77.4	159 200
		70.0	52.0	74.1	141 700
		74.0	48.6	70.5	126 300
		78.0	45.1	66.3	112 600
		82.0	41.3	61.6	100 300
		86.0	37.2	56.1	87 400
		90.0	32.6	49.7	75 200
8 4 · 7	2 7 8	21.3	85.5	103.9	919 400*
		22.0	85.1	103.8	911 500*
		24.0	84.0	103.5	861 700
		26.0	82.8	103.2	756 600
		28.0	81.7	102.8	668 900
		30.0	80.5	102.4	597 500
		32.0	79.4	102.0	538 200
		34.0	78.2	101.5	488 000
		36.0	77.0	100.9	445 100
		38.0	75.9	100.4	407 900
		40.0	74.7	99.7	375 400
		42.0	73.5	99.0	346 800
		44.0	72.3	98.3	321 300
		46.0	71.1	97.6	298 500
		48.0	69.8	96.7	278 100
		50.0	68.6	95.9	259 500
		52.0	67.4	94.9	242 700
		54.0	66.1	94.0	227 300
		56.0	64.8	92.9	213 200
		58.0	63.5	91.8	200 200
		60.0	62.2	90.7	188 200
		62.0	60.9	89.5	177 000
		66.0	58.2	86.9	157 100
		70.0	55.4	84.0	139 600
		74.0	52.5	80.7	124 200
		78.0	49.5	77.2	110 500
		82.0	46.3	73.2	98 100
		86.0	42.9	68.7	85 100
		90.0	39.2	63.6	73 100
		94.0	35.2	57.8	62 100
		98.0	30.7	50.9	51 900



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9 2 · 4	3 0 3	21.3	85.9	111.6	842 500*
		22.0	85.5	111.5	836 100*
		24.0	84.4	111.2	816 100*
		26.0	83.4	110.9	755 000
		28.0	82.3	110.6	666 200
		30.0	81.2	110.2	594 600
		32.0	80.1	109.8	535 100
		34.0	79.1	109.3	484 800
		36.0	78.0	108.8	441 700
		38.0	76.9	108.3	404 500
		40.0	75.8	107.7	371 900
		42.0	74.7	107.1	343 100
		44.0	73.6	106.4	317 600
		46.0	72.5	105.7	294 800
		48.0	71.3	104.9	274 300
		50.0	70.2	104.1	255 700
		52.0	69.1	103.3	238 800
		54.0	67.9	102.4	223 300
		56.0	66.7	101.5	209 200
		58.0	65.6	100.5	196 200
		60.0	64.4	99.4	184 200
		62.0	63.2	98.3	173 000
		66.0	60.7	96.0	153 000
		70.0	58.2	93.3	135 500
		74.0	55.6	90.5	120 100
		78.0	52.9	87.3	106 500
		82.0	50.1	83.8	93 100
		86.0	47.2	80.0	79 900
		90.0	44.1	75.7	67 900
		94.0	40.9	70.9	57 000