LIFTCRANE BOOM CAPACITIES M-1200

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
815 380 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 (*).

UPPER BOOM POINT CAPACITY FOR LIFTCRANE SERVICE WITH 6 PART LINE IS 81 650 kg. IN ALL CASES, UPPER BOOM POINT CAPACITIES CANNOT EXCEED THOSE LISTED FOR MAIN BOOM CAPACITY. UPPER BOOM POINT MINIMUM OPERATING RADII WILL BE RESTRICTED WITH BOOM AT MAXIMUM ANGLE.

WEIGHT OF ALL LOAD BLOCKS, HOOKS, SLINGS, HOIST LINES, ETC., BENEATH MAIN BOOM AND UPPER BOOM POINT SHEAVES, IS CONSIDERED PART OF MAIN BOOM LOAD. BOOM IS 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 AND WIRE ROPE SPECIFICATION CHART NO. 7683-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 16 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 TO APPROXIMATELY 75 DEGREE BOOM ANGLE WHEN WIND EXCEEDS 16 m/s. LOWER BOOM 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 WITH 32 PART BOOM HOIST REEVING OR NO. 75A MAST WITH 36 PART BOOM HOIST REEVING, STRAP BOOM PENDANTS, 23 590 kg CRANE COUNTERWEIGHT AND 815 380 kg AUXILIARY COUNTERWEIGHT.

MAXIMUM BOOM LENGTH LIFTED UNASSISTED = 77.1m
LOAD BLOCKS ON GROUND AT START.

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

CONSULT JIB CHART FOR JIB CAPACITIES. JIB AND JIB BACKSTAYS MUST BE REMOVED FOR USE OF THIS CHART.

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

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
46.6	153	17.1	82.0	49.4	1 300 000*
		18.0	80.8	49.2	1 260 800
		19.0	79.6	49.0	1 126 600
		20.0	78.3	48.7	1 025 800
		22.0	75.8	48.2	867 400
		24.0	73.2	47.5	749 700
		26.0	70.6	46.8	658 900
		28.0	67.9	45.9	586 200
		30.0	65.1	45.0	527 000
		32.0	62.3	43.9	477 900
		34.0	59.5	42.6	436 300
		36.0	56.5	41.3	400 700
		38.0	53.4	39.7	370 000
		40.0	50.1	38.0	343 000
		42.0	46.7	36.1	319 300
		44.0	43.1	33.9	298 300
		46.0	39.2	31.4	279 400
		48.0	34.8	28.5	262 400
		50.0	29.9	25.0	247 100

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
54.3	178	19.8	80.2	56.6	1 040 300
		20.0	80.0	56.6	1 024 400
		22.0	77.8	56.1	863 700
		24.0	75.6	55.5	746 000
		26.0	73.4	54.9	655 100
		28.0	71.2	54.2	582 400
		30.0	68.9	53.4	523 200
		32.0	66.6	52.5	474 000
		34.0	64.2	51.5	432 400
		36.0	61.8	50.3	396 900
		38.0	59.3	49.1	366 100
		40.0	56.8	47.8	339 200
		42.0	54.1	46.3	315 500
		44.0	51.4	44.6	294 400
		46.0	48.5	42.8	275 600
		48.0	45.6	40.8	258 700
		50.0	42.4	38.6	243 400
		52.0	39.0	36.1	229 400
		54.0	35.3	33.2	216 700
		56.0	31.2	29.9	205 000

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61.9	203	19.8	81.4	64.4	1 037 600
		20.0	81.2	64.3	1 021 700
		22.0	79.3	63.9	861 000
		24.0	77.4	63.4	743 300
		26.0	75.5	62.9	652 300
		28.0	73.6	62.3	579 600
		30.0	71.6	61.6	520 300
		32.0	69.6	60.8	471 200
		34.0	67.6	59.9	429 600
		36.0	65.6	59.0	394 000
		38.0	63.5	58.0	363 200
		40.0	61.4	56.8	336 300
		42.0	59.2	55.6	312 600
		44.0	57.0	54.3	291 600
		46.0	54.7	52.8	272 800
		48.0	52.3	51.2	255 800
		50.0	49.9	49.5	240 600
		52.0	47.3	47.6	226 700
		54.0	44.7	45.5	213 900
		56.0	41.9	43.3	202 300
		58.0	38.9	40.7	191 500
		60.0	35.7	37.9	181 700
		62.0	32.2	34.7	172 500
		64.0	28.3	31.0	163 600
69.5	228	21.3	81.1	71.8	904 900
		22.0	80.5	71.7	860 400
		24.0	78.8	71.3	739 300
		26.0	77.1	70.8	648 300
		28.0	75.4	70.2	575 500
		30.0	73.7	69.6	516 300
		32.0	72.0	68.9	467 100
		34.0	70.2	68.2	425 500
		36.0	68.4	67.4	389 900
		38.0	66.6	66.5	359 100
		40.0	64.8	65.5	332 200
		42.0	62.9	64.4	308 500
		44.0	61.0	63.3	287 400
		46.0	59.1	62.1	268 600
		48.0	57.1	60.7	251 700
		50.0	55.1	59.3	236 400
		52.0	53.0	57.8	222 500
		54.0	50.9	56.1	209 700
		56.0	48.6	54.3	198 100
		58.0	46.3	52.4	187 400
		60.0	43.9	50.3	177 500
		62.0	41.4	48.0	168 400
		64.0	38.8	45.4	159 900
		66.0	36.0	42.7	151 800
		68.0	32.9	39.5	144 000

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
77.1	253	21.3	82.0	79.6	901 000
		22.0	81.5	79.5	856 600
		24.0	80.0	79.1	735 400
		26.0	78.4	78.6	644 300
		28.0	76.9	78.1	571 500
		30.0	75.4	77.6	512 200
		32.0	73.8	77.0	463 000
		34.0	72.3	76.3	421 300
		36.0	70.7	75.6	385 700
		38.0	69.1	74.8	354 900
		40.0	67.5	73.9	328 000
		42.0	65.8	73.0	304 300
		44.0	64.2	72.0	283 200
		46.0	62.5	70.9	264 400
		48.0	60.8	69.8	247 500
		50.0	59.0	68.6	232 200
		52.0	57.2	67.2	218 300
		54.0	55.4	65.8	205 500
		56.0	53.6	64.3	193 900
		58.0	51.6	62.7	183 200
		60.0	49.7	61.0	173 300
		62.0	47.7	59.1	164 200
		64.0	45.6	57.1	155 700
		66.0	43.4	55.0	147 800
		68.0	41.1	52.7	140 300
		70.0	38.7	50.1	133 000
		72.0	36.2	47.4	126 200
		74.0	33.5	44.3	119 700
		76.0	30.5	40.9	113 700