

Liftcrane Jib Capacities

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

264 900 kg Hanging Steel Counterweight

360 Degree Rating

LIFTING CAPACITIES: Lifting 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.

OPERATING CONDITIONS: 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.

WIND CONDITIONS: 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: 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: Jib point elevation is vertical distance from ground level to centerline of jib point shaft.

MACHINE EQUIPMENT: 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 264 900 kg hanging steel counterweight.

Maximum Boom And Jib Length 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 and hanging counterweight on machine before use of this chart.
Hanging steel counterweight must be attached for use of this chart.



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M-1200

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61.9m (203 Ft.) Boom

15.2m (50 Ft.) Jib, 10 Degree Offset

Jib Oper. Rad. Meters	Boom Ang. Deg.	Jib Point Elev. Meters	Minimum Jib Capacity To Swing Kilograms	Jib Capacity Kilograms
19.8	85.3	81.1	563 200	1 045 400 *
20.0	85.2	81.1	553 000	1 043 200 *
22.0	83.7	80.7	450 600	1 007 900 *
24.0	82.2	80.4	376 100	930 400 *
26.0	80.7	79.9	318 700	865 300 *
28.0	79.2	79.5	273 000	808 700 *
30.0	77.7	78.9	235 800	758 900 *
32.0	76.2	78.3	205 000	714 700 *
34.0	74.6	77.7	179 000	662 300
36.0	73.1	76.9	156 700	606 600
38.0	71.5	76.2	137 500	559 400
40.0	69.9	75.3	120 600	518 200
42.0	68.3	74.4	105 800	481 700
44.0	66.7	73.4	92 600	449 400
46.0	65.1	72.4	80 800	420 500
48.0	63.4	71.3	70 200	394 400
50.0	61.7	70.1	60 600	370 900
52.0	59.9	68.8	51 800	349 500
54.0	58.2	67.4	43 700	329 900
56.0	56.3	65.9	36 400	312 000
58.0	54.5	64.4	29 600	295 400
60.0	52.6	62.7	23 300	280 200
62.0	50.6	60.9	17 400	266 000
66.0	46.5	56.9	6 800	211 800 *
70.0	42.0	52.2		189 500 *
74.0	37.0	46.7		169 500 *
78.0	31.2	39.9		156 500 *

69.5m (228 Ft.) Boom

15.2m (50 Ft.) Jib, 10 Degree Offset

Jib Oper. Rad. Meters	Boom Ang. Deg.	Jib Point Elev. Meters	Minimum Jib Capacity To Swing Kilograms	Jib Capacity Kilograms
19.8	85.7	88.8	565 800	1 014 400 *
20.0	85.6	88.7	555 500	1 012 500 *
22.0	84.3	88.5	451 500	992 900 *
24.0	82.9	88.1	375 900	964 100 *
26.0	81.6	87.7	317 700	905 100 *
28.0	80.2	87.3	271 300	849 800 *
30.0	78.8	86.8	233 700	794 400
32.0	77.4	86.3	202 400	722 500
34.0	76.1	85.7	176 000	658 500
36.0	74.7	85.0	153 500	603 800
38.0	73.2	84.3	134 000	556 400
40.0	71.8	83.6	117 000	515 000
42.0	70.4	82.7	101 900	478 500
44.0	68.9	81.9	88 600	446 100
46.0	67.5	80.9	76 600	417 100
48.0	66.0	79.9	65 900	391 000
50.0	64.5	78.9	56 100	367 400
52.0	62.9	77.7	47 300	345 900
54.0	61.4	76.5	39 200	326 300
56.0	59.8	75.2	31 700	308 300
58.0	58.2	73.9	24 800	291 800
60.0	56.5	72.4	18 500	276 500
62.0	54.8	70.9	12 600	262 300
66.0	51.4	67.5		236 800
70.0	47.7	63.7		214 600
74.0	43.7	59.3		167 700 *
78.0	39.4	54.3		145 300 *
82.0	34.6	48.3		135 400 *
86.0	29.1	40.9		120 700 *

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Boom No. 72A

Mast No. 75A

18.3m RINGER Attachment on Screw Jack Pedestals

23 590 kg Crane Counterweight

934 940 kg Auxiliary Counterweight

264 900 kg Hanging Steel Counterweight

360 Degree Rating

77.1m (253 Ft.) Boom

15.2m (50 Ft.) Jib, 10 Degree Offset

Jib Oper. Rad. Meters	Boom Ang. Deg.	Jib Point Elev. Meters	Minimum Jib Capacity To Swing Kilograms	Jib Capacity Kilograms
21.3	85.1	96.2	482 700	964 100 *
22.0	84.7	96.2	453 700	958 800 *
24.0	83.5	95.8	375 000	943 400 *
26.0	82.3	95.5	316 100	928 300 *
28.0	81.0	95.1	269 200	880 700 *
30.0	79.8	94.6	231 000	796 700
32.0	78.5	94.1	199 500	719 700
34.0	77.2	93.6	172 800	655 600
36.0	75.9	93.0	150 000	600 700
38.0	74.7	92.4	130 300	553 300
40.0	73.4	91.7	113 000	511 800
42.0	72.1	90.9	97 800	475 200
44.0	70.7	90.2	84 300	442 600
46.0	69.4	89.3	72 300	413 600
48.0	68.1	88.4	61 400	387 400
50.0	66.7	87.5	51 600	363 700
52.0	65.3	86.4	42 600	342 200
54.0	64.0	85.4	34 400	322 600
56.0	62.5	84.2	26 900	304 600
58.0	61.1	83.0	20 000	288 000
60.0	59.7	81.7	13 600	272 600
62.0	58.2	80.4	7 600	258 400
66.0	55.1	77.4		233 000
70.0	52.0	74.1		210 700
74.0	48.6	70.5		191 100
78.0	45.1	66.3		148 300 *
82.0	41.3	61.6		130 300 *
86.0	37.2	56.1		113 300 *
90.0	32.6	49.7		104 300 *

84.7m (278 Ft.) Boom

15.2m (50 Ft.) Jib, 10 Degree Offset

Jib Oper. Rad. Meters	Boom Ang. Deg.	Jib Point Elev. Meters	Minimum Jib Capacity To Swing Kilograms	Jib Capacity Kilograms
21.3	85.5	103.9	482 800	919 400 *
22.0	85.1	103.8	453 700	911 500 *
24.0	84.0	103.5	374 400	888 300 *
26.0	82.8	103.2	315 100	866 300 *
28.0	81.7	102.8	267 900	828 000 *
30.0	80.5	102.4	229 500	749 900 *
32.0	79.4	102.0	197 700	689 000 *
34.0	78.2	101.5	170 900	638 300 *
36.0	77.0	100.9	147 900	598 800
38.0	75.9	100.4	128 100	551 500
40.0	74.7	99.7	110 800	509 800
42.0	73.5	99.0	95 500	473 100
44.0	72.3	98.3	82 000	440 600
46.0	71.1	97.6	69 800	411 500
48.0	69.8	96.7	58 900	385 300
50.0	68.6	95.9	49 000	361 600
52.0	67.4	94.9	40 000	340 100
54.0	66.1	94.0	31 800	320 400
56.0	64.8	92.9	24 300	302 400
58.0	63.5	91.8	17 300	285 800
60.0	62.2	90.7	10 900	270 500
62.0	60.9	89.5	4 900	256 300
66.0	58.2	86.9		230 800
70.0	55.4	84.0		208 600
74.0	52.5	80.7		189 000
78.0	49.5	77.2		171 600
82.0	46.3	73.2		156 100
86.0	42.9	68.7		114 000 *
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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Mast No. 75A

18.3m RINGER Attachment on Screw Jack Pedestals

23 590 kg Crane Counterweight

934 940 kg Auxiliary Counterweight

264 900 kg Hanging Steel Counterweight

360 Degree Rating

92.4m (303 Ft.) Boom

15.2m (50 Ft.) Jib, 10 Degree Offset

Jib Oper. Rad. Meters	Boom Ang. Deg.	Jib Point Elev. Meters	Minimum Jib Capacity To Swing Kilograms	Jib Capacity Kilograms
21.3	85.8	111.6	482 500	842 500 *
22.0	85.5	111.5	453 100	836 100 *
24.0	84.4	111.2	372 800	816 100 *
26.0	83.4	110.9	312 900	795 800 *
28.0	82.3	110.6	265 200	768 800 *
30.0	81.2	110.2	226 400	703 800 *
32.0	80.1	109.8	194 300	645 600 *
34.0	79.1	109.3	167 200	596 600 *
36.0	78.0	108.8	144 000	554 200 *
38.0	76.9	108.3	124 000	523 500 *
40.0	75.8	107.7	106 500	490 800 *
42.0	74.7	107.1	91 100	460 800 *
44.0	73.6	106.4	77 400	433 800 *
46.0	72.5	105.7	65 200	408 000
48.0	71.3	104.9	54 200	381 500
50.0	70.2	104.1	44 200	357 800
52.0	69.1	103.3	35 100	336 200
54.0	67.9	102.4	26 800	316 500
56.0	66.7	101.5	19 200	298 500
58.0	65.6	100.5	12 300	281 800
60.0	64.4	99.4	5 800	266 500
62.0	63.2	98.3		252 300
66.0	60.7	96.0		226 800
70.0	58.2	93.3		204 500
74.0	55.6	90.5		184 900
78.0	52.9	87.3		167 500
82.0	50.1	83.8		152 000
86.0	47.2	80.0		138 000
90.0	44.1	75.7		125 300
94.0	40.9	70.9		83 500 *
98.0	37.3	65.5		72 900 *
102.0	33.4	59.3		69 300 *
106.0	29.0	52.0		55 700 *