

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

145 150 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 145 150 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.



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

145 150 kg Hanging Steel Counterweight

360 Degree Rating

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	336 900	1 045 400 *
20.0	85.2	81.1	330 100	1 043 200 *
22.0	83.7	80.7	261 600	1 007 900 *
24.0	82.2	80.4	211 700	930 400 *
26.0	80.7	79.9	173 300	865 200
28.0	79.2	79.5	142 600	799 500
30.0	77.7	78.9	117 700	713 600
32.0	76.2	78.3	97 100	645 600
34.0	74.6	77.7	79 600	588 000
36.0	73.1	76.9	64 600	538 700
38.0	71.5	76.2	51 700	496 100
40.0	69.9	75.3	40 300	458 800
42.0	68.3	74.4	30 400	425 900
44.0	66.7	73.4	21 500	396 700
46.0	65.1	72.4	13 500	370 600
48.0	63.4	71.3	6 200	347 100
50.0	61.7	70.1		325 800
52.0	59.9	68.8		306 500
54.0	58.2	67.4		288 800
56.0	56.3	65.9		272 500
58.0	54.5	64.4		257 600
60.0	52.6	62.7		243 800
62.0	50.6	60.9		231 000
66.0	46.5	56.9		208 000
70.0	42.0	52.2		187 700 *
74.0	37.0	46.7		169 100 *
78.0	31.2	39.9		153 900 *

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	338 600	1 014 400 *
20.0	85.6	88.7	331 700	1 012 500 *
22.0	84.3	88.5	261 800	992 900 *
24.0	82.9	88.1	211 000	964 100 *
26.0	81.6	87.7	171 900	895 600
28.0	80.2	87.3	140 600	793 500
30.0	78.8	86.8	115 300	711 300
32.0	77.4	86.3	94 200	643 100
34.0	76.1	85.7	76 400	585 300
36.0	74.7	85.0	61 200	535 900
38.0	73.2	84.3	48 100	493 100
40.0	71.8	83.6	36 500	455 700
42.0	70.4	82.7	26 300	422 700
44.0	68.9	81.9	17 300	393 400
46.0	67.5	80.9	9 200	367 200
48.0	66.0	79.9		343 600
50.0	64.5	78.9		322 300
52.0	62.9	77.7		302 900
54.0	61.4	76.5		285 200
56.0	59.8	75.2		268 900
58.0	58.2	73.9		253 900
60.0	56.5	72.4		240 100
62.0	54.8	70.9		227 300
66.0	51.4	67.5		204 300
70.0	47.7	63.7		184 100
74.0	43.7	59.3		166 400
78.0	39.4	54.3		145 300 *
82.0	34.6	48.3		134 900 *
86.0	29.1	40.9		120 700 *

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

145 150 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	282 400	964 100 *
22.0	84.7	96.2	262 900	958 800 *
24.0	83.5	95.8	209 700	943 400 *
26.0	82.3	95.5	169 900	894 000
28.0	81.0	95.1	138 200	791 300
30.0	79.8	94.6	112 400	708 800
32.0	78.5	94.1	91 000	640 300
34.0	77.2	93.6	73 000	582 400
36.0	75.9	93.0	57 500	532 800
38.0	74.7	92.4	44 100	489 900
40.0	73.4	91.7	32 400	452 400
42.0	72.1	90.9	22 100	419 300
44.0	70.7	90.2	12 900	390 000
46.0	69.4	89.3		363 700
48.0	68.1	88.4		340 000
50.0	66.7	87.5		318 600
52.0	65.3	86.4		299 200
54.0	64.0	85.4		281 400
56.0	62.5	84.2		265 100
58.0	61.1	83.0		250 200
60.0	59.7	81.7		236 300
62.0	58.2	80.4		223 500
66.0	55.1	77.4		200 400
70.0	52.0	74.1		180 200
74.0	48.6	70.5		162 500
78.0	45.1	66.3		146 700
82.0	41.3	61.6		130 400 *
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	282 100	919 400 *
22.0	85.1	103.8	262 400	911 500 *
24.0	84.0	103.5	208 700	888 300 *
26.0	82.8	103.2	168 600	865 300
28.0	81.7	102.8	136 600	793 100
30.0	80.5	102.4	110 600	707 100
32.0	79.4	102.0	89 100	638 600
34.0	78.2	101.5	70 900	580 600
36.0	77.0	100.9	55 300	530 900
38.0	75.9	100.4	41 800	488 000
40.0	74.7	99.7	30 100	450 500
42.0	73.5	99.0	19 700	417 300
44.0	72.3	98.3	10 400	387 900
46.0	71.1	97.6		361 600
48.0	69.8	96.7		338 000
50.0	68.6	95.9		316 600
52.0	67.4	94.9		297 100
54.0	66.1	94.0		279 300
56.0	64.8	92.9		263 000
58.0	63.5	91.8		248 000
60.0	62.2	90.7		234 100
62.0	60.9	89.5		221 300
66.0	58.2	86.9		198 200
70.0	55.4	84.0		178 100
74.0	52.5	80.7		160 400
78.0	49.5	77.2		144 700
82.0	46.3	73.2		130 600
86.0	42.9	68.7		117 100 *
90.0	39.2	63.6		100 800 *
94.0	35.2	57.8		94 400 *
98.0	30.7	50.9		79 900 *



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

145 150 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	281 200	842 500 *
22.0	85.5	111.5	261 200	836 100 *
24.0	84.4	111.2	206 700	816 100 *
26.0	83.4	110.9	166 000	795 800 *
28.0	82.3	110.6	133 600	768 800 *
30.0	81.2	110.2	107 300	703 000
32.0	80.1	109.8	85 400	635 500
34.0	79.1	109.3	66 900	577 300
36.0	78.0	108.8	51 200	527 600
38.0	76.9	108.3	37 500	484 600
40.0	75.8	107.7	25 600	446 900
42.0	74.7	107.1	15 100	413 700
44.0	73.6	106.4	5 700	384 300
46.0	72.5	105.7		357 900
48.0	71.3	104.9		334 200
50.0	70.2	104.1		312 700
52.0	69.1	103.3		293 200
54.0	67.9	102.4		275 400
56.0	66.7	101.5		259 100
58.0	65.6	100.5		244 000
60.0	64.4	99.4		230 100
62.0	63.2	98.3		217 300
66.0	60.7	96.0		194 200
70.0	58.2	93.3		174 100
74.0	55.6	90.5		156 300
78.0	52.9	87.3		140 600
82.0	50.1	83.8		126 500
86.0	47.2	80.0		113 800
90.0	44.1	75.7		102 300
94.0	40.9	70.9		86 000 *
98.0	37.3	65.5		72 900 *
102.0	33.4	59.3		69 300 *
106.0	29.0	52.0		55 700 *