

Liftcrane Jib Capacities

Jib No. 182 With 82 Ft. 6 in. Strut On

Boom No. 72A

Mast No. 75A

60 Ft. RINGER Attachment on Screw Jack Pedestals

52,000 Lb. Crane Counterweight

2,061,200 Lb. Auxiliary Counterweight

584,000 Lb. 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 1-1/4 in. in 60 Ft. 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 30 MPH 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 30 MPH. Lower boom and jib to ground when wind is above 50 MPH.

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 60 Ft. RINGER attachment, 30 Ft. 9 in. crawlers, 48 in. treads, 28 Ft. retractable gantry, 150 Ft. No. 75A mast with 36 part boom hoist reeving, strap boom pendants, strap jib pendants and backstays, 52,000 Lb. crane counterweight, 2,061,200 Lb. auxiliary counterweight and 584,000 Lb. hanging steel counterweight.

Maximum Boom And Jib Length Lifted Unassisted	
Boom Length	Jib No. 182
303 Ft.	50 Ft.
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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360 Degree Rating

203 Ft. Boom

50 Ft. Jib, 10 Degree Offset

Jib Oper. Rad. Feet	Boom Ang. Deg.	Jib Point Elev. Feet	Minimum Jib Capacity To Swing Pounds	Jib Capacity Pounds
65	85.3	266.1	1,241,700	2,304,900 *
70	84.2	265.3	1,060,400	2,265,800 *
75	83.1	264.4	917,800	2,141,600 *
80	81.9	263.4	802,800	2,021,500 *
85	80.8	262.3	707,900	1,913,900 *
90	79.6	261.2	628,500	1,816,800 *
95	78.5	259.9	560,800	1,728,900 *
100	77.3	258.5	502,600	1,648,800 *
105	76.2	257.0	451,900	1,575,600 *
110	75.0	255.3	407,400	1,489,000
115	73.8	253.6	368,000	1,392,400
120	72.6	251.7	332,800	1,306,100
125	71.4	249.8	301,200	1,228,600
130	70.2	247.7	272,700	1,158,700
135	69.0	245.4	246,800	1,095,200
140	67.8	243.1	223,200	1,037,300
145	66.5	240.6	201,600	984,300
150	65.3	238.0	181,800	935,700
155	64.0	235.2	163,400	890,700
160	62.7	232.3	146,400	849,200
165	61.4	229.3	130,700	810,600
170	60.1	226.0	116,000	774,800
175	58.7	222.6	102,200	741,300
180	57.4	219.1	89,400	710,000
185	56.0	215.3	77,300	680,600
190	54.6	211.4	65,900	653,000
195	53.1	207.2	55,200	627,100
200	51.6	202.8	45,100	602,600
210	48.6	193.4	26,400	500,800 *
220	45.3	182.8	9,400	449,700 *
230	41.9	170.9		417,900 *
240	38.1	157.3		386,800 *
250	34.0	141.6		356,000 *
260	29.2	122.8		324,300 *

228 Ft. Boom

50 Ft. Jib, 10 Degree Offset

Jib Oper. Rad. Feet	Boom Ang. Deg.	Jib Point Elev. Feet	Minimum Jib Capacity To Swing Pounds	Jib Capacity Pounds
65	85.7	291.3	1,247,400	2,236,500 *
70	84.7	290.5	1,063,400	2,203,100 *
75	83.7	289.7	918,700	2,171,400 *
80	82.7	288.9	802,000	2,105,900 *
85	81.6	287.9	705,900	2,001,500 *
90	80.6	286.8	625,200	1,906,800 *
95	79.5	285.6	556,700	1,820,400 *
100	78.5	284.4	497,700	1,717,000
105	77.4	283.0	446,300	1,592,600
110	76.4	281.5	401,100	1,483,200
115	75.3	280.0	361,200	1,386,200
120	74.2	278.3	325,600	1,299,700
125	73.2	276.5	293,600	1,222,000
130	72.1	274.6	264,700	1,151,900
135	71.0	272.6	238,500	1,088,200
140	69.9	270.5	214,600	1,030,200
145	68.8	268.3	192,700	977,000
150	67.7	266.0	172,600	928,200
155	66.5	263.5	154,100	883,200
160	65.4	260.9	136,900	841,500
165	64.2	258.2	120,900	802,900
170	63.1	255.4	106,100	766,900
175	61.9	252.4	92,200	733,300
180	60.7	249.3	79,200	701,900
185	59.5	246.0	67,000	672,500
190	58.2	242.6	55,500	644,900
195	57.0	239.0	44,700	618,900
200	55.7	235.3	34,500	594,300
210	53.1	227.2	15,700	549,200
220	50.4	218.4		508,700
230	47.6	208.6		472,100
240	44.6	197.8		380,900 *
250	41.4	185.8		341,500 *
260	38.0	172.3		317,700 *
270	34.3	156.8		293,800 *
280	30.0	138.7		268,800 *

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M-1200

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Mast No. 75A

60 Ft. RINGER Attachment on Screw Jack Pedestals

52,000 Lb. Crane Counterweight

2,061,200 Lb. Auxiliary Counterweight

584,000 Lb. Hanging Steel Counterweight

360 Degree Rating

253 Ft. Boom

50 Ft. Jib, 10 Degree Offset

Jib Oper. Rad. Feet	Boom Ang. Deg.	Jib Point Elev. Feet	Minimum Jib Capacity To Swing Pounds	Jib Capacity Pounds
70	85.1	315.8	1,064,200	2,125,600 *
75	84.2	315.0	917,800	2,099,000 *
80	83.3	314.2	799,700	2,073,700 *
85	82.3	313.3	702,400	2,049,500 *
90	81.4	312.3	620,800	1,983,100 *
95	80.4	311.3	551,400	1,851,900 *
100	79.5	310.1	491,700	1,711,300
105	78.5	308.9	439,700	1,586,500
110	77.5	307.5	394,100	1,476,900
115	76.6	306.1	353,700	1,379,700
120	75.6	304.6	317,600	1,292,900
125	74.6	302.9	285,300	1,215,000
130	73.6	301.2	256,100	1,144,700
135	72.6	299.4	229,600	1,080,900
140	71.6	297.5	205,400	1,022,700
145	70.6	295.5	183,300	969,400
150	69.6	293.4	163,000	920,500
155	68.6	291.2	144,300	875,300
160	67.6	288.9	126,900	833,600
165	66.5	286.4	110,800	794,800
170	65.5	283.9	95,800	758,800
175	64.4	281.2	81,800	725,100
180	63.4	278.4	68,700	693,700
185	62.3	275.5	56,400	664,200
190	61.2	272.5	44,800	636,500
195	60.1	269.3	33,900	610,400
200	59.0	266.0	23,600	585,900
210	56.7	259.0	4,700	540,700
220	54.3	251.3		500,100
230	51.9	242.9		463,500
240	49.4	233.8		430,200
250	46.7	223.8		399,800
260	44.0	212.9		316,900 *
270	41.0	200.8		284,200 *
280	37.9	187.2		252,600 *
290	34.5	171.9		247,100 *
300	30.7	154.3		214,900 *

278 Ft. Boom

50 Ft. Jib, 10 Degree Offset

Jib Oper. Rad. Feet	Boom Ang. Deg.	Jib Point Elev. Feet	Minimum Jib Capacity To Swing Pounds	Jib Capacity Pounds
70	85.5	341.0	1,064,600	2,027,100 *
75	84.6	340.3	917,100	1,987,100 *
80	83.8	339.5	798,200	1,949,000 *
85	82.9	338.7	700,300	1,912,500 *
90	82.0	337.8	618,100	1,864,600 *
95	81.1	336.8	548,300	1,733,500 *
100	80.3	335.7	488,200	1,619,300 *
105	79.4	334.6	435,900	1,518,900 *
110	78.5	333.3	390,000	1,429,400 *
115	77.6	332.0	349,300	1,367,300 *
120	76.7	330.6	313,100	1,288,700
125	75.8	329.2	280,500	1,210,800
130	74.9	327.6	251,200	1,140,400
135	74.0	325.9	224,500	1,076,500
140	73.1	324.2	200,300	1,018,200
145	72.2	322.3	178,100	964,900
150	71.2	320.4	157,600	915,900
155	70.3	318.4	138,800	870,700
160	69.4	316.3	121,400	829,000
165	68.4	314.1	105,200	790,200
170	67.5	311.8	90,100	754,100
175	66.5	309.3	76,100	720,400
180	65.5	306.8	62,900	689,000
185	64.6	304.2	50,600	659,500
190	63.6	301.5	39,000	631,800
195	62.6	298.6	28,000	605,700
200	61.6	295.7	17,700	581,100
210	59.6	289.4		536,000
220	57.5	282.5		495,400
230	55.3	275.2		458,800
240	53.1	267.2		425,500
250	50.8	258.6		395,200
260	48.5	249.2		367,400
270	46.0	239.0		341,800
280	43.4	227.9		263,800 *
290	40.7	215.7		236,500 *
300	37.8	202.2		209,800 *
310	34.7	187.1		207,800 *
320	31.3	169.9		180,400 *
330	27.4	149.9		166,400 *



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52,000 Lb. Crane Counterweight

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584,000 Lb. Hanging Steel Counterweight

360 Degree Rating

303 Ft. Boom

50 Ft. Jib, 10 Degree Offset

Jib Oper. Rad. Feet	Boom Ang. Deg.	Jib Point Elev. Feet	Minimum Jib Capacity To Swing Pounds	Jib Capacity Pounds
70	85.8	366.1	1,063,900	1,857,400 *
75	85.0	365.5	914,800	1,825,200 *
80	84.2	364.8	794,500	1,790,200 *
85	83.4	364.0	695,500	1,756,600 *
90	82.6	363.2	612,500	1,724,300 *
95	81.8	362.3	541,900	1,624,400 *
100	81.0	361.3	481,200	1,517,300 *
105	80.1	360.2	428,300	1,423,200 *
110	79.3	359.1	381,900	1,339,600 *
115	78.5	357.8	340,900	1,264,700 *
120	77.7	356.5	304,300	1,197,200 *
125	76.8	355.2	271,400	1,151,900 *
130	76.0	353.7	241,800	1,095,400 *
135	75.2	352.2	214,900	1,043,400 *
140	74.3	350.6	190,400	995,400 *
145	73.5	348.9	168,000	951,000 *
150	72.6	347.1	147,400	907,700
155	71.8	345.3	128,400	862,400
160	70.9	343.3	110,800	820,600
165	70.0	341.3	94,500	781,700
170	69.2	339.2	79,300	745,600
175	68.3	337.0	65,100	711,800
180	67.4	334.7	51,900	680,300
185	66.5	332.3	39,400	650,800
190	65.6	329.8	27,800	623,000
195	64.7	327.2	16,800	596,900
200	63.8	324.5	6,400	572,300
210	61.9	318.8		527,100
220	60.1	312.6		486,500
230	58.1	306.0		449,800
240	56.2	298.9		416,500
250	54.2	291.3		386,200
260	52.1	283.0		358,400
270	49.9	274.2		332,800
280	47.7	264.6		309,200
290	45.4	254.2		287,300
300	43.0	243.0		266,900
310	40.4	230.7		186,800 *
320	37.7	217.2		164,200 *
330	34.9	202.2		152,900 *
340	31.7	185.4		141,200 *
350	28.2	166.1		117,500 *