

LIFTCRANE JIB CAPACITIES**M-1200****JIB NO. 182 WITH 82'6" STRUT ON****BOOM NO. 72A****MAST NO. 75A****60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS****52,000 LB. CRANE COUNTERWEIGHT****2,061,200 LB. AUXILIARY COUNTERWEIGHT****848,000 LB. HANGING STEEL 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 1-1/4" IN 60' 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 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 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 60' RINGER ATTACHMENT, 30'9" CRAWLERS, 48" TREADS, 28' RETRACTABLE GANTRY, 150' 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 848,000 LB. HANGING STEEL COUNTERWEIGHT.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED	
BOOM LENGTH	JIB NO. 182
303'	50'
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.
HANGING STEEL COUNTERWEIGHT MUST BE ATTACHED FOR USE OF THIS CHART.



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52,000 LB. CRANE COUNTERWEIGHT

2,061,200 LB. AUXILIARY COUNTERWEIGHT

848,000 LB. HANGING STEEL COUNTERWEIGHT

360 DEGREE RATING

50 FT. JIB, 10 DEGREE OFFSET

BOOM LGTH. FEET	JIB OPER. RAD. FEET	BOOM ANG. DEG.	JIB POINT ELEV. FEET	MINIMUM JIB CAPACITY TO SWING POUNDS	JIB CAPACITY POUNDS
2 0 3	65	85.3	266.1	1,740,600	2,304,900*
	70	84.2	265.3	1,499,200	2,265,800*
	75	83.1	264.4	1,309,500	2,141,600*
	80	81.9	263.4	1,156,400	2,021,500*
	85	80.8	262.3	1,030,200	1,913,900*
	90	79.6	261.2	924,500	1,816,800*
	95	78.5	259.9	834,600	1,728,900*
	100	77.3	258.5	757,200	1,648,800*
	105	76.2	257.0	689,800	1,575,600*
	110	75.0	255.3	630,700	1,508,400*
	115	73.8	253.6	578,300	1,446,600*
	120	72.6	251.7	531,600	1,389,400*
	125	71.4	249.8	489,700	1,336,500*
	130	70.2	247.7	451,900	1,287,200*
	135	69.0	245.4	417,600	1,221,400
	140	67.8	243.1	386,300	1,158,000
	145	66.5	240.6	357,700	1,099,800
	150	65.3	238.0	331,400	1,046,400
	155	64.0	235.2	307,100	997,200
	160	62.7	232.3	284,600	951,600
	165	61.4	229.3	263,800	909,400
	170	60.1	226.0	244,400	870,000
	175	58.7	222.6	226,200	831,700*
	180	57.4	219.1	209,300	791,700*
	185	56.0	215.3	193,400	753,800*
	190	54.6	211.4	178,400	717,700*
	195	53.1	207.2	164,300	683,400*
	200	51.6	202.8	150,900	650,700*
	210	48.6	193.4	126,300	500,800*
	220	45.3	182.8	104,200	449,700*
	230	41.9	170.9	84,000	417,900*
	240	38.1	157.3	65,500	386,800*
	250	34.0	141.6	48,300	356,000*
	260	29.2	122.8	32,300	324,300*

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2,061,200 LB. AUXILIARY COUNTERWEIGHT
848,000 LB. HANGING STEEL COUNTERWEIGHT
360 DEGREE RATING
50 FT. JIB, 10 DEGREE OFFSET

BOOM LGTH. FEET	JIB OPER. RAD. FEET	BOOM ANG. DEG.	JIB POINT ELEV. FEET	MINIMUM JIB CAPACITY TO SWING POUNDS	JIB CAPACITY POUNDS
2 2 8	65	85.7	291.3	1,748,200	2,236,500*
	70	84.7	290.5	1,503,800	2,203,100*
	75	83.7	289.7	1,311,700	2,171,400*
	80	82.7	288.9	1,156,700	2,105,900*
	85	81.6	287.9	1,029,100	2,001,500*
	90	80.6	286.8	922,200	1,906,800*
	95	79.5	285.6	831,200	1,820,400*
	100	78.5	284.4	752,900	1,741,200*
	105	77.4	283.0	684,800	1,668,500*
	110	76.4	281.5	625,000	1,601,500*
	115	75.3	280.0	572,000	1,539,300*
	120	74.2	278.3	524,800	1,446,400
	125	73.2	276.5	482,500	1,361,200
	130	72.1	274.6	444,300	1,284,300
	135	71.0	272.6	409,600	1,214,400
	140	69.9	270.5	378,000	1,150,800
	145	68.8	268.3	349,100	1,092,500
	150	67.7	266.0	322,500	1,039,000
	155	66.5	263.5	298,000	989,600
	160	65.4	260.9	275,300	944,000
	165	64.2	258.2	254,300	901,600
	170	63.1	255.4	234,700	862,100
	175	61.9	252.4	216,400	825,300
	180	60.7	249.3	199,300	790,900
	185	59.5	246.0	183,200	758,700
	190	58.2	242.6	168,100	725,700*
	195	57.0	239.0	153,900	693,700*
	200	55.7	235.3	140,500	663,100*
	210	53.1	227.2	115,800	605,800*
	220	50.4	218.4	93,500	552,900*
	230	47.6	208.6	73,300	503,600*
	240	44.6	197.8	54,900	380,900*
	250	41.4	185.8	38,000	341,500*
	260	38.0	172.3	22,300	317,700*
	270	34.3	156.8	7,700	293,800*
	280	30.0	138.7		268,800*



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2 5 3	70	85.1	315.8	1,505,700	2,125,600*
	75	84.2	315.0	1,311,800	2,099,000*
	80	83.3	314.2	1,155,300	2,073,700*
	85	82.3	313.3	1,026,400	2,049,500*
	90	81.4	312.3	918,400	1,983,100*
	95	80.4	311.3	826,600	1,851,900*
	100	79.5	310.1	747,500	1,750,200*
	105	78.5	308.9	678,700	1,639,400*
	110	77.5	307.5	618,400	1,540,800*
	115	76.6	306.1	564,900	1,452,300*
	120	75.6	304.6	517,300	1,372,200*
	125	74.6	302.9	474,500	1,299,400*
	130	73.6	301.2	436,000	1,232,700*
	135	72.6	299.4	401,000	1,171,400*
	140	71.6	297.5	369,100	1,114,700*
	145	70.6	295.5	339,900	1,062,100*
	150	69.6	293.4	313,100	1,013,200*
	155	68.6	291.2	288,400	967,400*
	160	67.6	288.9	265,600	924,400*
	165	66.5	286.4	244,300	884,000*
	170	65.5	283.9	224,600	845,900*
	175	64.4	281.2	206,200	809,900*
	180	63.4	278.4	188,900	775,800*
	185	62.3	275.5	172,800	743,300*
	190	61.2	272.5	157,600	712,500*
	195	60.1	269.3	143,300	683,000*
	200	59.0	266.0	129,800	654,900*
	210	56.7	259.0	104,900	602,100*
	220	54.3	251.3	82,600	553,300*
	230	51.9	242.9	62,300	508,000*
	240	49.4	233.8	43,800	465,600*
	250	46.7	223.8	26,900	425,700*
	260	44.0	212.9	11,300	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*

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2 7 8	70	85.5	341.0	1,507,200	2,027,100*
	75	84.6	340.3	1,312,000	1,987,100*
	80	83.8	339.5	1,154,600	1,949,000*
	85	82.9	338.7	1,025,000	1,912,500*
	90	82.0	337.8	916,400	1,864,600*
	95	81.1	336.8	824,000	1,733,500*
	100	80.3	335.7	744,500	1,619,300*
	105	79.4	334.6	675,400	1,518,900*
	110	78.5	333.3	614,700	1,429,400*
	115	77.6	332.0	561,000	1,367,300*
	120	76.7	330.6	513,100	1,294,000*
	125	75.8	329.2	470,100	1,227,400*
	130	74.9	327.6	431,400	1,166,400*
	135	74.0	325.9	396,200	1,110,300*
	140	73.1	324.2	364,200	1,058,500*
	145	72.2	322.3	334,900	1,010,500*
	150	71.2	320.4	308,000	965,700*
	155	70.3	318.4	283,200	923,900*
	160	69.4	316.3	260,200	884,600*
	165	68.4	314.1	238,900	847,700*
	170	67.5	311.8	219,100	812,900*
	175	66.5	309.3	200,600	780,000*
	180	65.5	306.8	183,300	748,800*
	185	64.6	304.2	167,100	719,100*
	190	63.6	301.5	151,900	690,900*
	195	62.6	298.6	137,500	663,900*
	200	61.6	295.7	124,000	638,100*
	210	59.6	289.4	99,100	589,800*
	220	57.5	282.5	76,700	545,100*
	230	55.3	275.2	56,500	503,600*
	240	53.1	267.2	38,000	464,800*
	250	50.8	258.6	21,200	428,300*
	260	48.5	249.2	5,700	393,800*
	270	46.0	239.0		360,900*
	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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3 0 3	70	85.8	366.1	1,507,700	1,857,400*
	75	85.0	365.5	1,310,700	1,825,200*
	80	84.2	364.8	1,151,800	1,790,200*
	85	83.4	364.0	1,021,000	1,756,600*
	90	82.6	363.2	911,400	1,724,300*
	95	81.8	362.3	818,300	1,624,400*
	100	81.0	361.3	738,100	1,517,300*
	105	80.1	360.2	668,300	1,423,200*
	110	79.3	359.1	607,100	1,339,600*
	115	78.5	357.8	553,000	1,264,700*
	120	77.7	356.5	504,700	1,197,200*
	125	76.8	355.2	461,400	1,151,900*
	130	76.0	353.7	422,300	1,095,400*
	135	75.2	352.2	386,900	1,043,400*
	140	74.3	350.6	354,600	995,400*
	145	73.5	348.9	325,100	951,000*
	150	72.6	347.1	298,000	909,700*
	155	71.8	345.3	273,000	871,100*
	160	70.9	343.3	249,900	834,900*
	165	70.0	341.3	228,400	800,900*
	170	69.2	339.2	208,500	768,800*
	175	68.3	337.0	189,900	738,400*
	180	67.4	334.7	172,500	709,700*
	185	66.5	332.3	156,200	682,400*
	190	65.6	329.8	140,800	656,400*
	195	64.7	327.2	126,400	631,600*
	200	63.8	324.5	112,800	607,900*
	210	61.9	318.8	87,800	563,400*
	220	60.1	312.6	65,300	522,300*
	230	58.1	306.0	44,900	484,200*
	240	56.2	298.9	26,400	448,600*
	250	54.2	291.3	9,500	415,100*
	260	52.1	283.0		383,500*
	270	49.9	274.2		353,600*
	280	47.7	264.6		325,000*
	290	45.4	254.2		297,600*
	300	43.0	243.0		271,100*
	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*