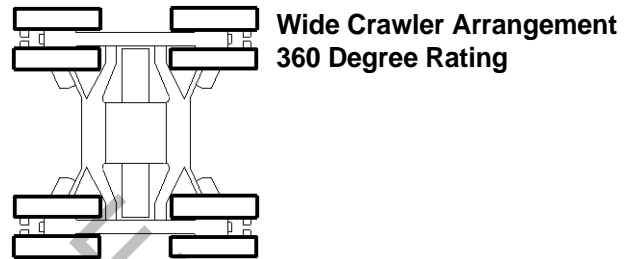
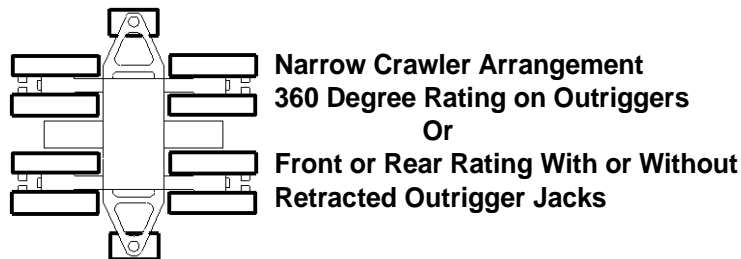
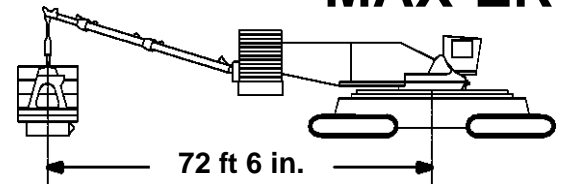


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom angles, luffing jib lengths, and luffing 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 (*). **360 degree operation requires set outrigger jacks for narrow crawler arrangement.**

OPERATING CONDITIONS

Capacities indicated by (b) require 37,000 lb minimum weight suspended beneath luffing jib point.

General: Machine to operate on a firm uniformly supporting surface with gantry in intermediate position, mast up and bearing turntable level within a tolerance of 1/2 in. in 10 ft and properly supported. During operation, boom must be maintained at one of the selected angles shown in chart. Refer to luffing jib rigging assembly **No. 192589** and Wire Rope Specification chart **No. 8201-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to Operator's Manual for operating guidelines.

Caution: Do not luff into area indicated by (c) with 37,000 lb minimum weight. Luffing jib will not luff down and luffing hoist wire rope may overhaul luffing jib and cause wire rope damage or failure.

Narrow Crawler Arrangement: Narrow crawler arrangement (30 ft 0 in.) requires outriggers with jacks set for 360 degree operation (no travel). Refer to Operator's Manual for jacking instructions. Operation restricted to limited swing over front or rear with outrigger jacks retracted or outriggers removed. Refer to Operating Range Diagram chart **No. 8141-A**.

Hanging counterweight must be attached to support beam and MAX-ER mode must be selected to operate. Minimum boom capacity to raise hanging counterweight free of ground support is required for swing and travel. Do not allow hanging counterweight to contact ground while swinging and traveling. Exit MAX-ER mode before operating without hanging counterweight.

Wide Crawler Arrangement: Operation with wide crawler arrangement (47 ft 6 in.) is 360 degrees.

Simultaneous hoisting of both load drums is required for even block travel.

MACHINE TRAVEL

Upper luffing jib point capacity for liftcrane service with single part whip line is 48,800 lb or 97,600 lb with two part whip line. In all cases, upper luffing jib point capacities cannot exceed those listed for main luffing jib capacity.

General: Machine to travel on a firm, level, and uniformly supporting surface with boom and luffing jib within angle range shown in capacity chart. Refer to Swing and Travel Specification chart **No. 8679-A**.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc. beneath boom and luffing jib point sheaves is considered part of luffing jib load. Boom and luffing 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.

Narrow Crawler Arrangement: Narrow crawler arrangement (30 ft 0 in.) travel allowed only with upperworks centered over front or rear of lowerworks (no swing) with outrigger jacks retracted or outriggers removed.

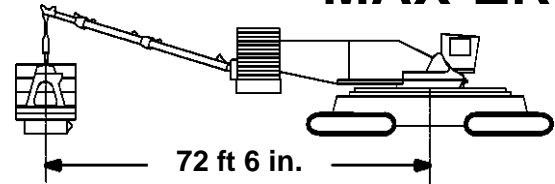
Wide Crawler Arrangement: Wide crawler arrangement (47 ft 6 in.) travel allowed with 360 degree rating.

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



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. Luffing jib angle is angle between horizontal and centerline of luffing jib butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

support straps, 22 part luffing jib hoist reeving, luffing jib and backstay support straps, 458,700 lb crane counterweight, two 53,500 lb and two 46,500 lb carbody counterweights and 423,300 lb hanging counterweight.

Warning: Front carbody platform must be removed when raising or lowering boom.

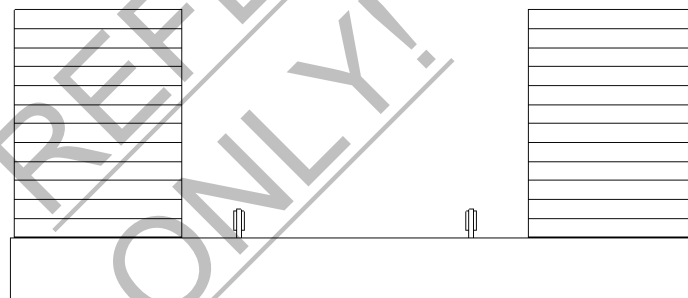
Warning: Narrow crawler arrangement requires set outrigger jacks to swing beyond front or rear operating range.

LUFFING JIB POINT ELEVATION: Luffing jib point elevation is vertical distance from ground level to centerline of luffing jib point shaft.

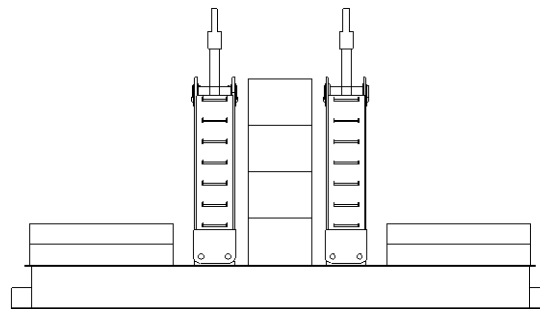
MACHINE EQUIPMENT: Machine equipped with MAX-ER, lowerworks carbody beams, outriggers, eight 16 ft 4 in. crawlers, 48 in. treads, 140 ft mast, 28 ft retractable gantry, 20 part boom hoist reeving, boom

Machine may tip over side with outrigger jacks retracted or removed. Refer to wind folio for restrictions.

WARNING: Check amount of crane counterweight and hanging counterweight on machine before use of this chart. Refer to counterweight assemblies.



458,700 lb Crane Counterweight
24 Side Boxes



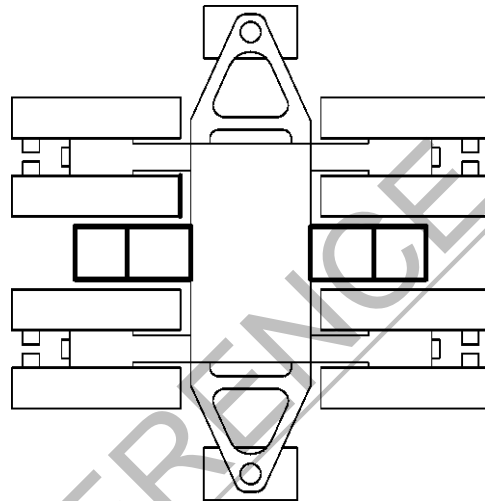
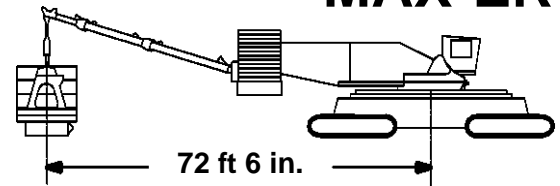
423,300 lb Hanging Counterweight
4 Side Boxes - 4 Center Boxes

Liftcrane Luffing Jib Capacities

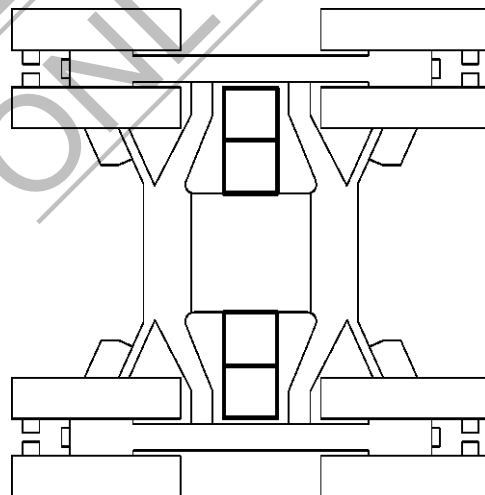
**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



200,000 lb Carbody Counterweight
2 Inner Boxes - 2 Outer Boxes
Narrow Crawler Arrangement



200,000 lb Carbody Counterweight
2 Inner Boxes - 2 Outer Boxes
Wide Crawler Arrangement



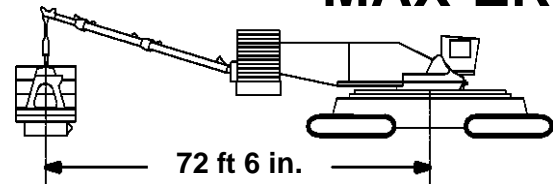
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
 Boom No. 80 With 140 ft Mast No. 81
 458,700 lb Crane Counterweight
 200,000 lb Carbody Counterweight
 423,300 lb Hanging Counterweight
 at 72 ft 6 in. Position
 Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
 ANSI B30.5
 Requirements



WITH OR WITHOUT BOOM AND/OR JIB CATWALKS		
Maximum Boom and Luffing Jib Lengths Lifted Unassisted Using Jack-Knife Method With 423,300 lb Hanging Counterweight		
Boom Length Feet	Luffing Jib No. 81 Feet	Boom to Luffing Jib Angle Degrees
Over End Unblocked Crawlers		
180 - 240	120 - 300	90
260	120 - 300	60
280	120 - 280	60
Load blocks, hook and weight ball on ground until boom and luffing jib are erected.		

RAISING AND LOWERING PROCEDURE

Boom and luffing jib combinations must be raised and lowered using jack-knife method.

Release swing brake (disengage swing lock) and slowly raise boom while jib point dolly is allowed to roll on ground. Tension should be applied to luffing jib hoist to keep jib strut off luffing jib during boom raising. Boom up until boom to luffing jib angle reaches value specified in table or jib is vertical, whichever occurs first. Tighten luffing jib suspension with luffing jib hoist. Boom and luffing jib are then raised together using boom hoist until boom reaches desired boom operating angle. Luffing jib radius must be within capacity chart before swinging over side of machine.

Position boom at 85 degrees prior to lowering luffing jib. Lower luffing jib until boom to luffing jib angle reaches value specified in table. Lower boom until luffing jib point is just above ground. If luffing jib is hanging vertical, raise luffing jib a few degrees forward of vertical. Position dolly under jib point, then lower jib point onto dolly. Release swing brake (disengage swing lock) and continue to lower boom while luffing jib rolls along ground. Keep enough tension on luffing jib hoist to keep jib strut off luffing jib.

NOTE: Upper jib point cannot be installed until boom and jib are jack-knifed into position and must be removed before contacting ground when lowering.

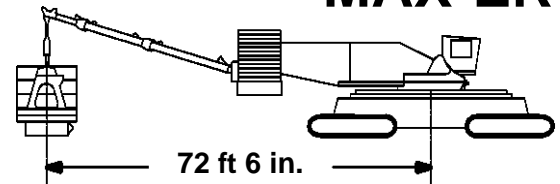
CAUTION: Do not under any condition allow boom to luffing jib angle to become less than 60 degrees.

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 120 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
60				c													60
65				c													65
70				c													70
75	66.4	300.2	658,500	814,100*b													75
80	63.7	297.7	607,000	761,600*b													80
85	61.0	294.9	562,200	715,100*b				c									85
90	58.2	291.8	522,900	673,500*b	66.8	298.3	481,100	646,300*b									90
95	55.2	288.3	488,100	636,200*b	64.1	295.8	448,900	610,500*b									95
100	52.2	284.4	457,000	602,400*	61.4	293.0	420,200	578,200*b									100
105	49.1	280.1	429,000	571,700*	58.6	290.0	394,500	548,800*b									105
110	45.7	275.2	403,700	543,600*	55.7	286.5	371,200	521,900*b	64.3	292.4	338,300	500,000*b					110
115	42.2	269.7	380,700	517,900*	52.7	282.7	350,000	497,300*	61.6	289.7	318,900	476,400*b					115
120	38.4	263.5	359,500	494,100*	49.5	278.4	330,600	474,700*	58.8	286.6	301,100	454,800*b					120
125	34.2	256.2	340,000	472,100*	46.2	273.7	312,800	453,700*	55.9	283.2	284,900	434,800*b					125
130	29.4	247.7	321,800	451,600*	42.7	268.3	296,400	434,300*	52.9	279.4	269,900	416,200*					130
135	23.8	237.0	304,700	432,400*	38.9	262.1	281,100	416,100*	49.8	275.2	256,000	399,000*	58.9	281.7	230,600	381,600*b	135
140	16.2	221.9	288,100	414,000*	34.8	255.1	266,900	399,200*	46.5	270.5	243,100	382,900*	56.0	278.3	218,900	366,200*b	140
145					30.2	246.7	253,400	383,200*	43.0	265.2	231,000	367,800*	53.0	274.5	207,900	351,900*	145
150					24.7	236.4	240,600	368,100*	39.3	259.1	219,700	353,600*	49.9	270.3	197,700	338,400*	150
155					17.5	222.3	228,000	353,600*	35.2	252.1	209,000	340,300*	46.6	265.6	188,100	325,800*	155
160									30.6	243.9	198,800	327,600*	43.1	260.3	179,100	313,800*	160
165									25.2	233.8	189,000	315,500*	39.4	254.2	170,500	302,500*	165
170									18.3	220.2	179,200	303,700*	35.3	247.3	162,300	291,800*	170
175									3.6	189.8	167,600	291,100*	30.7	239.1	154,400	281,500*	175
180													25.3	229.0	146,700	271,700*	180
185													18.4	215.5	139,000	262,000*	185
190													4.5	186.8	129,600	251,500*	190

Capacities indicated by **(b)** require 37,000 lb minimum weight suspended beneath luffing jib point.

Do not luff into area indicated by **(c)** with 37,000 lb minimum weight (see CAUTION on page 1).

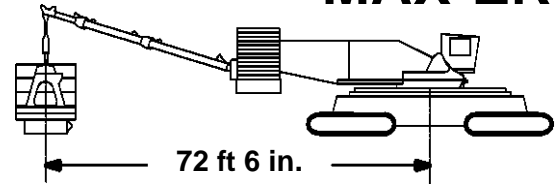


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 140 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
65				c													65
70				c													70
75	69.9	322.0	658,800	811,000*b													75
80	67.7	319.9	607,000	758,600*b													80
85	65.5	317.6	562,000	712,200*b													85
90	63.2	315.0	522,500	670,800*b													90
95	60.8	312.2	487,600	633,600*b	68.0	317.9	446,500	606,800*b									95
100	58.4	309.1	456,500	600,000*	65.8	315.6	417,800	574,600*b									100
105	56.0	305.7	428,600	569,400*	63.5	313.1	392,000	545,300*b									105
110	53.4	302.0	403,400	541,600*	61.2	310.4	368,800	518,600*b									110
115	50.8	297.9	380,500	516,000*	58.8	307.3	347,700	494,200*									115
120	48.0	293.4	359,600	492,600*	56.3	304.0	328,500	471,700*	63.7	309.7	297,300	450,800*b					120
125	45.1	288.5	340,400	470,800*	53.8	300.3	310,900	450,900*	61.4	307.0	281,200	430,900*b					125
130	42.1	282.9	322,800	450,700*	51.1	296.2	294,700	431,700*	59.0	304.0	266,400	412,600*					130
135	38.8	276.8	306,400	432,000*	48.4	291.8	279,700	413,800*	56.5	300.6	252,700	395,500*					135
140	35.3	269.8	291,100	414,500*	45.5	286.9	265,800	397,200*	54.0	297.0	240,000	379,600*					140
145	31.5	261.8	276,900	398,100*	42.5	281.5	252,800	381,600*	51.4	293.0	228,200	364,700*	59.0	299.0	203,500	347,800*	145
150	27.1	252.4	263,400	382,600*	39.3	275.4	240,700	367,000*	48.7	288.6	217,200	350,800*	56.6	295.7	193,500	334,500*	150
155	21.9	240.7	250,500	367,900*	35.8	268.6	229,300	353,200*	45.8	283.7	206,800	337,700*	54.0	292.1	184,100	322,100*	155
160	14.9	224.4	237,800	353,700*	32.0	260.8	218,500	340,200*	42.8	278.4	197,100	325,400*	51.4	288.1	175,400	310,300*	160
165					27.8	251.6	208,200	327,800*	39.6	272.4	187,900	313,700*	48.7	283.7	167,100	299,300*	165
170					22.7	240.3	198,200	316,000*	36.2	265.6	179,200	302,700*	45.9	278.9	159,300	288,800*	170
175					16.1	224.9	188,400	304,500*	32.4	257.9	170,900	292,200*	42.9	273.5	151,800	278,900*	175
180									28.2	248.9	162,900	282,100*	39.7	267.5	144,800	269,400*	180
185									23.2	237.8	155,100	272,500*	36.2	260.8	138,000	260,500*	185
190									16.8	223.0	147,300	263,000*	32.5	253.1	131,500	251,900*	190
195									3.1	190.0	137,700	252,700*	28.3	244.1	125,200	243,600*	195
200													23.3	233.1	119,000	235,600*	200
205													16.9	218.3	112,700	227,700*	205
210													4.0	187.1	104,900	219,000*	210

Capacities indicated by (b) require 37,000 lb minimum weight suspended beneath luffing jib point.

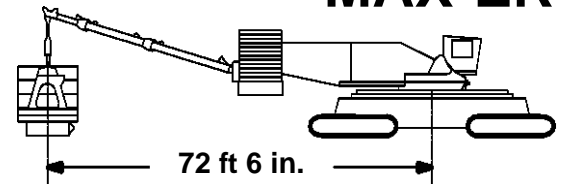
Do not luff into area indicated by (c) with 37,000 lb minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 160 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
70				c													70
75	72.6	343.2	658,400	808,500* b													75
80	70.7	341.5	606,400	756,200* b													80
85	68.7	339.5	561,200	709,900* b													85
90	66.8	337.3	521,700	668,600* b													90
95	64.8	335.0	486,700	631,400* b													95
100	62.8	332.4	455,600	597,900*	69.0	337.5	415,500	571,700* b									100
105	60.7	329.5	427,700	567,500*	67.1	335.4	389,800	542,600* b									105
110	58.6	326.5	402,500	539,700*	65.1	333.0	366,600	516,000* b									110
115	56.5	323.1	379,700	514,300*	63.1	330.5	345,600	491,600*									115
120	54.3	319.5	358,900	490,900*	61.0	327.7	326,400	469,300*									120
125	52.0	315.6	339,800	469,400*	58.9	324.6	308,900	448,600*									125
130	49.6	311.4	322,300	449,400*	56.8	321.4	292,800	429,500*	63.3	327.1	263,400	409,600*					130
135	47.2	306.7	306,100	430,800*	54.6	317.8	278,000	411,800*	61.2	324.3	249,800	392,700*					135
140	44.7	301.7	291,100	413,500*	52.3	313.9	264,200	395,200*	59.1	321.3	237,200	376,900*					140
145	42.0	296.2	277,200	397,300*	50.0	309.7	251,400	379,800*	57.0	318.0	225,600	362,100*					145
150	39.2	290.1	264,200	382,200*	47.6	305.1	239,500	365,300*	54.8	314.5	214,700	348,300*					150
155	36.2	283.3	251,900	367,900*	45.0	300.2	228,300	351,700*	52.5	310.6	204,500	335,400*	59.2	316.4	180,800	319,100*	155
160	32.9	275.7	240,400	354,500*	42.4	294.7	217,900	339,000*	50.2	306.5	195,000	323,200*	57.0	313.1	172,200	307,500*	160
165	29.3	267.0	229,500	341,800*	39.6	288.7	208,000	326,900*	47.8	302.0	186,000	311,700*	54.8	309.6	164,100	296,600*	165
170	25.2	256.8	219,100	329,700*	36.6	282.0	198,700	315,500*	45.3	297.0	177,600	300,900*	52.6	305.7	156,400	286,200*	170
175	20.4	244.2	209,000	318,100*	33.4	274.6	189,800	304,700*	42.6	291.6	169,600	290,600*	50.2	301.6	149,200	276,400*	175
180	13.8	226.7	199,000	306,800*	29.9	266.1	181,300	294,400*	39.8	285.6	162,000	280,800*	47.8	297.1	142,300	267,200*	180
185					25.9	256.1	173,200	284,500*	36.9	279.0	154,700	271,600*	45.3	292.1	135,800	258,400*	185
190					21.1	243.9	165,300	275,000*	33.7	271.7	147,800	262,700*	42.7	286.7	129,700	250,000*	190
195					15.0	227.4	157,300	265,700*	30.2	263.3	141,200	254,200*	39.9	280.8	123,700	242,000*	195
200									26.2	253.5	134,700	246,100*	36.9	274.2	118,100	234,300*	200
205									21.6	241.5	128,400	238,200*	33.7	266.8	112,600	227,000*	205
210									15.6	225.6	122,000	230,400*	30.2	258.4	107,400	220,000*	210
215									2.8	190.1	114,000	221,800*	26.3	248.7	102,200	213,200*	215
220													21.7	236.8	97,100	206,500*	220
225													15.8	221.0	91,900	199,800*	225
230													3.6	187.4	85,300	192,300*	230

Capacities indicated by (b) require 37,000 lb minimum weight suspended beneath luffing jib point.

Do not luff into area indicated by (c) with 37,000 lb minimum weight (see CAUTION on page 1).

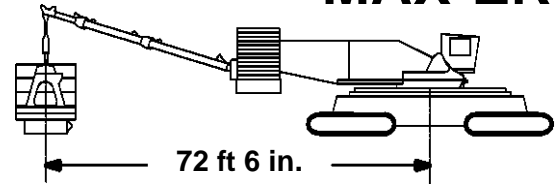


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 180 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
80	72.9	362.6	605,800	749,200* b													80
85	71.2	360.9	560,300	706,300* b													85
90	69.5	359.0	520,400	665,100* b													90
95	67.8	357.0	485,200	628,000*													95
100	66.0	354.7	453,800	594,500*													100
105	64.3	352.3	425,800	564,200*	69.7	357.0	386,500	538,400* b									105
110	62.5	349.7	400,500	536,500*	68.0	355.0	363,300	511,900*									110
115	60.6	346.9	377,600	511,100*	66.3	352.8	342,200	487,700*									115
120	58.8	343.8	356,700	487,800*	64.5	350.4	323,000	465,400*									120
125	56.9	340.5	337,700	466,300*	62.7	347.8	305,500	444,800*									125
130	54.9	337.0	320,200	446,400*	60.9	345.0	289,400	425,800*									130
135	52.9	333.2	304,000	427,900*	59.0	342.0	274,600	408,100*	64.7	347.0	245,300	388,300*					135
140	50.9	329.1	289,100	410,700*	57.2	338.7	260,900	391,700*	62.9	344.4	232,800	372,600*					140
145	48.8	324.8	275,200	394,700*	55.2	335.2	248,100	376,300*	61.1	341.6	221,200	358,000*					145
150	46.6	320.0	262,300	379,700*	53.2	331.5	236,300	362,000*	59.2	338.6	210,300	344,300*					150
155	44.3	314.9	250,200	365,500*	51.2	327.5	225,200	348,500*	57.3	335.4	200,200	331,400*					155
160	41.9	309.4	238,900	352,300*	49.1	323.1	214,800	335,800*	55.4	331.9	190,800	319,300*					160
165	39.4	303.4	228,200	339,800*	46.9	318.5	205,100	323,900*	53.4	328.2	181,900	307,900*	59.3	333.7	159,000	292,200*	165
170	36.8	296.7	218,200	327,900*	44.6	313.4	195,900	312,600*	51.4	324.2	173,600	297,200*	57.4	330.5	151,400	281,900*	170
175	34.0	289.4	208,700	316,700*	42.3	307.9	187,300	301,900*	49.3	319.9	165,700	287,000*	55.4	327.0	144,300	272,200*	175
180	30.9	281.2	199,600	306,100*	39.8	302.0	179,100	291,800*	47.1	315.3	158,300	277,400*	53.4	323.3	137,600	263,100*	180
185	27.5	271.9	191,000	295,900*	37.2	295.4	171,300	282,200*	44.8	310.3	151,200	268,300*	51.4	319.3	131,200	254,400*	185
190	23.7	260.9	182,700	286,200*	34.4	288.2	163,900	273,100*	42.5	304.8	144,500	259,600*	49.3	315.0	125,200	246,100*	190
195	19.1	247.4	174,500	276,800*	31.4	280.2	156,800	264,300*	40.0	298.9	138,200	251,300*	47.1	310.4	119,400	238,200*	195
200	13.0	228.8	166,400	267,500*	28.0	271.0	149,900	255,900*	37.4	292.4	132,100	243,400*	44.9	305.4	114,000	230,700*	200
205					24.3	260.3	143,300	247,900*	34.6	285.3	126,200	235,800*	42.5	299.9	108,700	223,600*	205
210					19.9	247.3	136,800	240,000*	31.7	277.3	120,600	228,600*	40.1	294.0	103,700	216,700*	210
215					14.0	229.7	130,200	232,300*	28.4	268.3	115,100	221,600*	37.5	287.6	98,900	210,100*	215
220									24.7	257.8	109,800	214,800*	34.7	280.4	94,200	203,800*	220
225									20.3	245.0	104,600	208,300*	31.7	272.5	89,700	197,700*	225
230									14.7	228.1	99,200	201,700*	28.4	263.5	85,400	191,700*	230
235									2.5	190.2	92,400	194,300*	24.7	253.0	81,100	185,900*	235
240													20.4	240.3	76,800	180,200*	240
245													14.8	223.4	72,300	174,500*	245
250													3.3	187.8	66,600	168,100*	250

Capacities indicated by **(b)** require 37,000 lb minimum weight suspended beneath luffing jib point.

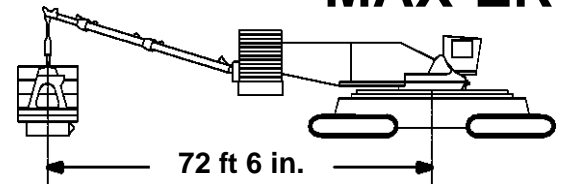


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 200 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
90	71.6	380.4	518,600	646,100 b													90
95	70.1	378.5	483,200	625,200*													95
100	68.6	376.6	451,800	591,800*													100
105	67.0	374.4	423,700	561,400*													105
110	65.4	372.1	398,300	533,800*													110
115	63.8	369.6	375,400	508,500*	68.8	374.6	339,100	484,500*									115
120	62.2	367.0	354,500	485,200*	67.2	372.5	319,900	462,300*									120
125	60.6	364.2	335,500	463,800*	65.7	370.2	302,400	441,700*									125
130	58.9	361.1	318,000	443,900*	64.1	367.7	286,300	422,800*									130
135	57.2	357.9	301,800	425,500*	62.5	365.1	271,500	405,200*									135
140	55.5	354.5	286,900	408,400*	60.8	362.3	257,900	388,800*									140
145	53.7	350.8	273,100	392,400*	59.1	359.3	245,200	373,500*	64.2	364.3	217,500	354,700*					145
150	51.9	346.8	260,200	377,400*	57.4	356.1	233,400	359,200*	62.6	361.7	206,700	341,000*					150
155	50.0	342.6	248,200	363,400*	55.7	352.7	222,400	345,800*	61.0	358.9	196,700	328,300*					155
160	48.1	338.1	237,000	350,200*	53.9	349.0	212,100	333,200*	59.3	356.0	187,300	316,200*					160
165	46.1	333.3	226,400	337,800*	52.1	345.1	202,400	321,300*	57.6	352.8	178,500	304,900*					165
170	44.0	328.2	216,500	326,100*	50.3	341.0	193,300	310,100*	55.9	349.4	170,200	294,200*					170
175	41.9	322.6	207,200	315,000*	48.3	336.5	184,800	299,600*	54.1	345.7	162,400	284,100*	59.3	351.0	140,400	268,900*	175
180	39.6	316.6	198,300	304,500*	46.4	331.8	176,700	289,500*	52.3	341.9	155,100	274,600*	57.6	347.9	133,700	259,800*	180
185	37.3	310.1	189,900	294,500*	44.3	326.7	169,000	280,000*	50.4	337.7	148,100	265,500*	55.9	344.5	127,400	251,200*	185
190	34.8	303.0	182,000	285,000*	42.2	321.2	161,800	271,000*	48.5	333.3	141,500	256,900*	54.1	340.8	121,500	243,000*	190
195	32.1	295.1	174,400	275,900*	40.0	315.2	154,900	262,400*	46.5	328.6	135,300	248,800*	52.3	337.0	115,800	235,200*	195
200	29.2	286.4	167,100	267,300*	37.6	308.8	148,300	254,200*	44.5	323.5	129,300	241,000*	50.5	332.8	110,500	227,800*	200
205	26.0	276.4	160,100	259,000*	35.2	301.8	142,000	246,300*	42.4	318.0	123,600	233,500*	48.5	328.4	105,300	220,700*	205
210	22.4	264.8	153,300	250,900*	32.5	294.0	136,000	238,800*	40.2	312.1	118,200	226,400*	46.6	323.7	100,500	214,000*	210
215	18.1	250.5	146,600	243,200*	29.7	285.4	130,200	231,600*	37.8	305.8	113,000	219,600*	44.5	318.6	95,800	207,500*	215
220	12.3	230.8	139,800	235,500*	26.5	275.7	124,500	224,700*	35.4	298.8	108,000	213,000*	42.4	313.2	91,300	201,300*	220
225					23.0	264.3	119,000	217,900*	32.8	291.1	103,200	206,700*	40.2	307.3	87,000	195,300*	225
230					18.8	250.5	113,600	211,400*	29.9	282.6	98,500	200,700*	37.9	300.9	82,800	189,500*	230
235					13.3	231.9	108,100	204,900*	26.8	273.0	93,900	194,800*	35.4	294.0	78,800	183,900*	235
240									23.3	261.8	89,500	189,000*	32.8	286.3	74,900	178,500*	240
245									19.2	248.3	85,000	183,300*	30.0	277.8	71,200	173,200*	245
250									13.9	230.4	80,500	177,700*	26.9	268.2	67,500	168,200*	250
260													19.3	243.6	60,100	158,400*	260
270													3.1	188.1	51,400	147,900*	270

Capacities indicated by (b) require
37,000 lb minimum weight
suspended beneath luffing jib point.

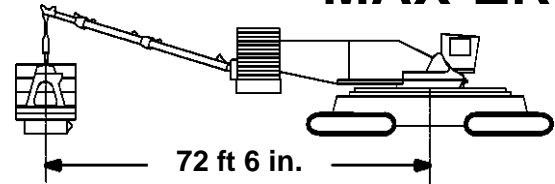


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 220 ft Luffing Jib

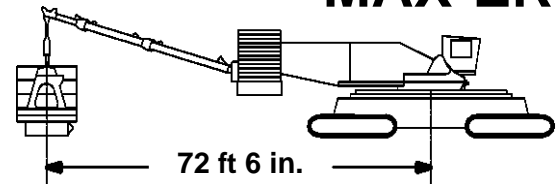
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
100	70.6	398.0	448,700	558,500*													100
105	69.2	396.1	420,500	557,800*													105
110	67.8	394.0	395,100	530,200*													110
115	66.4	391.9	372,100	504,900*													115
120	65.0	389.5	351,200	481,700*	69.4	394.1	315,500	458,000*									120
125	63.5	387.0	332,100	460,300*	68.0	392.1	298,000	437,600*									125
130	62.0	384.3	314,500	440,500*	66.6	389.9	281,900	418,700*									130
135	60.5	381.5	298,400	422,100*	65.2	387.6	267,100	401,100*									135
140	59.0	378.5	283,500	405,000*	63.7	385.1	253,500	384,800*									140
145	57.5	375.3	269,700	389,000*	62.2	382.4	240,800	369,600*									145
150	55.9	371.9	256,800	374,100*	60.7	379.6	229,000	355,300*									150
155	54.3	368.3	244,800	360,100*	59.2	376.6	218,100	342,000*	63.8	381.7	191,500	323,900*					155
160	52.6	364.4	233,600	347,000*	57.7	373.5	207,800	329,400*	62.4	379.0	182,200	311,900*					160
165	51.0	360.4	223,100	334,600*	56.1	370.1	198,200	317,600*	60.9	376.2	173,400	300,700*					165
170	49.2	356.1	213,300	323,000*	54.5	366.5	189,200	306,500*	59.4	373.3	165,200	290,000*					170
175	47.5	351.5	204,000	311,900*	52.9	362.7	180,700	295,900*	57.8	370.1	157,500	280,000*					175
180	45.7	346.6	195,200	301,500*	51.2	358.7	172,700	286,000*	56.3	366.8	150,200	270,500*					180
185	43.8	341.4	186,900	291,600*	49.5	354.4	165,100	276,500*	54.7	363.2	143,400	261,500*	59.4	368.4	121,900	246,700*	185
190	41.8	335.8	179,100	282,200*	47.7	349.9	157,900	267,600*	53.0	359.5	136,800	253,000*	57.8	365.2	116,100	238,600*	190
195	39.8	329.9	171,600	273,200*	45.9	345.0	151,100	259,000*	51.4	355.4	130,700	244,900*	56.3	361.9	110,500	230,900*	195
200	37.7	323.4	164,500	264,700*	44.1	339.9	144,600	250,900*	49.7	351.2	124,800	237,100*	54.7	358.3	105,200	223,500*	200
205	35.5	316.5	157,700	256,600*	42.1	334.4	138,400	243,200*	47.9	346.7	119,200	229,800*	53.1	354.5	100,100	216,500*	205
210	33.1	308.9	151,200	248,800*	40.1	328.5	132,500	235,800*	46.1	341.9	113,800	222,700*	51.4	350.5	95,300	209,800*	210
215	30.6	300.6	145,000	241,300*	38.0	322.1	126,900	228,700*	44.2	336.7	108,800	216,000*	49.7	346.3	90,800	203,400*	215
220	27.8	291.3	139,000	234,100*	35.8	315.2	121,500	221,900*	42.3	331.3	103,900	209,500*	47.9	341.8	86,400	197,300*	220
225	24.8	280.8	133,100	227,200*	33.4	307.7	116,300	215,400*	40.3	325.4	99,200	203,400*	46.1	337.0	82,200	191,400*	225
230	21.3	268.5	127,500	220,500*	30.9	299.5	111,300	209,100*	38.2	319.1	94,700	197,400*	44.3	331.9	78,100	185,700*	230
235	17.2	253.5	121,900	213,900*	28.2	290.4	106,400	203,000*	36.0	312.3	90,400	191,700*	42.3	326.4	74,300	180,200*	235
240	11.6	232.7	116,100	207,400*	25.2	280.1	101,700	197,200*	33.7	304.8	86,200	186,200*	40.3	320.5	70,500	174,900*	240
245					21.9	268.1	97,100	191,500*	31.2	296.7	82,100	180,800*	38.2	314.2	66,900	169,800*	245
250					17.8	253.6	92,500	185,900*	28.5	287.6	78,200	175,500*	36.0	307.4	63,400	164,900*	250
260									22.2	265.7	70,500	165,500*	31.2	291.9	56,700	155,500*	260
270									13.2	232.6	62,800	155,800*	25.6	272.7	50,400	146,700*	270
280													18.3	246.7	44,100	138,300*	280
290													2.9	188.3	36,400	129,200*	290

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 240 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
110	69.8	415.6	393,200	486,100*													110
115	68.5	413.6	370,000	486,100*													115
120	67.2	411.5	348,900	478,400*													120
125	65.9	409.3	329,700	457,000*	69.9	413.6	294,900	433,900*									125
130	64.5	406.9	312,000	437,200*	68.7	411.7	278,700	415,000*									130
135	63.2	404.3	295,800	418,900*	67.4	409.6	263,800	397,500*									135
140	61.9	401.6	280,800	401,800*	66.1	407.3	250,100	381,200*									140
145	60.5	398.8	266,900	385,900*	64.7	405.0	237,400	366,000*									145
150	59.1	395.8	254,000	371,000*	63.4	402.4	225,600	351,800*									150
155	57.7	392.6	241,900	357,000*	62.1	399.8	214,600	338,500*									155
160	56.2	389.3	230,700	343,900*	60.7	396.9	204,300	326,000*	64.9	401.5	178,100	308,100*					160
165	54.8	385.7	220,200	331,600*	59.3	394.0	194,700	314,200*	63.5	399.0	169,400	296,900*					165
170	53.3	382.0	210,300	319,900*	57.9	390.8	185,600	303,100*	62.2	396.4	161,100	286,300*					170
175	51.8	378.0	201,000	308,900*	56.4	387.5	177,100	292,600*	60.8	393.6	153,400	276,300*					175
180	50.2	373.9	192,200	298,500*	55.0	384.0	169,100	282,700*	59.4	390.6	146,100	266,900*					180
185	48.6	369.5	184,000	288,700*	53.5	380.3	161,500	273,300*	58.0	387.5	139,300	257,900*					185
190	47.0	364.8	176,100	279,300*	52.0	376.4	154,400	264,300*	56.6	384.2	132,800	249,400*					190
195	45.3	359.9	168,700	270,400*	50.4	372.2	147,600	255,800*	55.1	380.7	126,600	241,300*	59.4	385.7	106,000	227,000*	195
200	43.6	354.6	161,600	261,900*	48.9	367.9	141,100	247,800*	53.6	377.0	120,800	233,600*	58.0	382.6	100,700	219,700*	200
205	41.8	349.1	154,900	253,900*	47.2	363.2	135,000	240,100*	52.1	373.1	115,200	226,300*	56.6	379.2	95,700	212,800*	205
210	39.9	343.1	148,500	246,100*	45.6	358.3	129,200	232,700*	50.6	369.0	109,900	219,300*	55.1	375.8	90,900	206,100*	210
215	38.0	336.8	142,400	238,800*	43.8	353.1	123,600	225,700*	49.0	364.6	104,800	212,600*	53.7	372.1	86,400	199,700*	215
220	36.0	329.9	136,500	231,700*	42.1	347.6	118,200	219,000*	47.4	360.0	100,000	206,200*	52.2	368.2	82,000	193,700*	220
225	33.9	322.6	130,900	224,900*	40.2	341.7	113,100	212,500*	45.7	355.1	95,400	200,100*	50.6	364.1	77,900	187,800*	225
230	31.6	314.5	125,500	218,400*	38.3	335.4	108,200	206,300*	44.0	350.0	91,000	194,200*	49.0	359.7	73,900	182,300*	230
235	29.2	305.7	120,300	212,100*	36.3	328.7	103,500	200,400*	42.2	344.5	86,700	188,600*	47.4	355.1	70,100	176,800*	235
240	26.6	296.0	115,200	206,000*	34.2	321.4	99,000	194,600*	40.4	338.6	82,600	183,200*	45.7	350.3	66,400	171,500*	240
245	23.7	284.9	110,300	200,200*	31.9	313.5	94,600	189,100*	38.5	332.4	78,700	177,900*	44.0	345.1	62,800	166,500*	245
250	20.4	272.0	105,500	194,400*	29.5	304.8	90,300	183,800*	36.5	325.7	74,900	172,700*	42.3	339.6	59,400	161,600*	250
260	11.1	234.6	95,700	183,200*	24.1	284.3	82,200	173,500*	32.1	310.6	67,600	163,000*	38.5	327.5	53,000	152,400*	260
270					17.0	256.5	74,200	163,600*	27.2	292.4	60,800	153,900*	34.4	313.6	46,900	143,900*	270
280									21.2	269.3	54,100	145,200*	29.8	297.1	41,200	135,800*	280
290									12.6	234.7	47,400	136,800*	24.4	276.9	35,600	128,200*	290
300													17.5	249.7	30,100	120,800*	300
310													2.7	188.6	23,200	112,800*	310

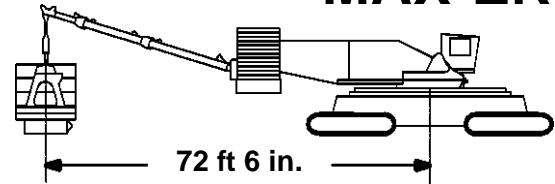


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 260 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
120	69.0	433.2	345,300	423,300*													120
125	67.8	431.1	326,000	423,300*													125
130	66.6	429.0	308,300	423,300*													130
135	65.4	426.7	292,100	413,800*	69.2	431.2	259,200	393,400*									135
140	64.2	424.2	277,100	398,200*	68.0	429.2	245,500	377,100*									140
145	63.0	421.7	263,100	382,300*	66.8	427.0	232,800	361,900*									145
150	61.7	419.0	250,200	367,500*	65.6	424.7	221,000	347,800*									150
155	60.4	416.1	238,200	353,500*	64.4	422.3	210,000	334,500*									155
160	59.2	413.1	227,000	340,400*	63.1	419.8	199,700	322,000*									160
165	57.9	410.0	216,400	328,100*	61.9	417.1	190,100	310,200*									165
170	56.5	406.7	206,600	316,500*	60.6	414.3	181,100	299,200*	64.5	418.9	155,900	282,000*					170
175	55.2	403.2	197,300	305,600*	59.3	411.3	172,600	288,700*	63.3	416.4	148,200	272,000*					175
180	53.8	399.5	188,500	295,200*	58.0	408.2	164,600	278,800*	62.0	413.7	141,000	262,600*					180
185	52.4	395.7	180,300	285,400*	56.7	404.9	157,100	269,500*	60.7	410.9	134,200	253,700*					185
190	51.0	391.6	172,500	276,000*	55.4	401.4	150,000	260,600*	59.5	407.9	127,700	245,200*					190
195	49.6	387.4	165,100	267,200*	54.0	397.8	143,200	252,100*	58.2	404.8	121,600	237,200*					195
200	48.1	382.9	158,000	258,700*	52.6	394.0	136,800	244,100*	56.8	401.5	115,800	229,500*					200
205	46.6	378.1	151,300	250,700*	51.2	389.9	130,700	236,400*	55.5	398.1	110,300	222,300*	59.5	403.0	90,200	208,300*	205
210	45.0	373.1	145,000	243,000*	49.8	385.7	124,900	229,100*	54.2	394.5	105,000	215,300*	58.2	399.9	85,400	201,700*	210
215	43.4	367.9	138,900	235,700*	48.3	381.2	119,400	222,100*	52.8	390.7	100,000	208,700*	56.9	396.6	80,900	195,400*	215
220	41.8	362.3	133,100	228,700*	46.8	376.5	114,100	215,500*	51.4	386.7	95,200	202,300*	55.5	393.2	76,600	189,300*	220
225	40.1	356.4	127,600	221,900*	45.2	371.6	109,100	209,100*	49.9	382.5	90,700	196,200*	54.2	389.6	72,500	183,600*	225
230	38.3	350.1	122,300	215,500*	43.6	366.4	104,200	202,900*	48.4	378.0	86,300	190,400*	52.8	385.8	68,600	178,000*	230
235	36.4	343.4	117,100	209,300*	42.0	360.8	99,600	197,000*	46.9	373.4	82,100	184,800*	51.4	381.8	64,900	172,700*	235
240	34.5	336.1	112,200	203,300*	40.3	355.0	95,100	191,400*	45.4	368.4	78,100	179,400*	49.9	377.6	61,200	167,500*	240
245	32.5	328.4	107,500	197,600*	38.5	348.7	90,800	185,900*	43.8	363.2	74,200	174,300*	48.5	373.1	57,800	162,500*	245
250	30.3	319.9	102,900	192,100*	36.7	342.1	86,700	180,700*	42.2	357.7	70,500	169,200*	47.0	368.5	54,400	157,700*	250
260	25.5	300.4	94,200	181,500*	32.8	327.2	78,900	170,700*	38.7	345.7	63,400	159,600*	43.8	358.3	48,100	148,600*	260
270	19.5	275.4	85,800	171,500*	28.3	309.8	71,500	161,200*	35.0	332.0	56,800	150,700*	40.5	347.0	42,200	140,200*	270
280	10.6	236.3	77,300	161,700*	23.1	288.3	64,400	152,300*	30.8	316.1	50,600	142,300*	36.9	334.2	36,700	132,300*	280
290					16.3	259.3	57,500	143,700*	26.1	297.0	44,700	134,400*	33.0	319.5	31,500	124,900*	290
300									20.3	272.9	38,900	126,900*	28.6	302.2	26,500	117,900*	300
310									12.0	236.7	32,900	119,500*	23.4	281.0	21,600	111,200*	310
320													16.8	252.6	16,800	104,700*	320
330													2.5	188.9	10,600	97,600*	330

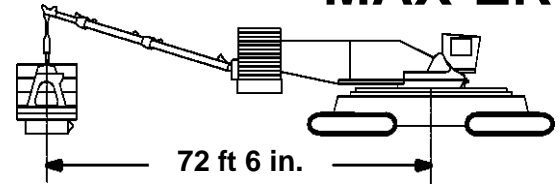


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 280 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
130	68.4	450.7	305,200	369,900*													130
135	67.3	448.6	288,900	369,900*													135
140	66.2	446.4	273,900	368,700*	69.7	450.7	241,700	373,700*									140
145	65.0	444.0	259,900	358,900*	68.6	448.7	229,000	358,600*									145
150	63.9	441.6	247,000	348,700*	67.5	446.6	217,200	344,400*									150
155	62.8	439.0	235,000	338,400*	66.3	444.4	206,200	331,200*									155
160	61.6	436.3	223,700	328,200*	65.2	442.1	196,000	318,700*									160
165	60.4	433.4	213,200	317,900*	64.1	439.7	186,400	307,000*									165
170	59.2	430.5	203,300	307,800*	62.9	437.1	177,300	295,900*									170
175	58.0	427.3	194,000	297,800*	61.8	434.4	168,900	285,500*									175
180	56.8	424.0	185,300	288,000*	60.6	431.6	160,900	275,700*	64.2	436.3	136,800	259,100*					180
185	55.5	420.6	177,000	278,500*	59.4	428.6	153,400	266,300*	63.0	433.7	130,000	250,300*					185
190	54.3	417.0	169,200	269,000*	58.2	425.5	146,300	257,500*	61.9	431.0	123,600	241,800*					190
195	53.0	413.2	161,900	259,800*	57.0	422.2	139,500	249,000*	60.7	428.2	117,500	233,800*					195
200	51.7	409.3	154,900	250,800*	55.7	418.8	133,200	241,000*	59.5	425.2	111,700	226,200*					200
205	50.4	405.1	148,200	242,100*	54.5	415.2	127,100	233,400*	58.3	422.2	106,200	218,900*					205
210	49.0	400.8	141,900	233,700*	53.2	411.5	121,300	226,100*	57.1	418.9	101,000	212,000*					210
215	47.6	396.2	135,800	225,500*	51.9	407.6	115,800	219,200*	55.8	415.5	96,000	205,400*	59.5	420.3	76,500	191,900*	215
220	46.2	391.4	130,100	217,400*	50.6	403.5	110,600	212,500*	54.6	412.0	91,300	199,100*	58.3	417.2	72,300	185,900*	220
225	44.8	386.4	124,600	209,800*	49.2	399.1	105,600	206,100*	53.3	408.2	86,700	193,000*	57.1	414.0	68,200	180,100*	225
230	43.3	381.1	119,300	202,300*	47.8	394.6	100,800	200,000*	52.0	404.3	82,400	187,200*	55.9	410.6	64,300	174,600*	230
235	41.7	375.5	114,200	195,000*	46.4	389.9	96,200	194,200*	50.7	400.2	78,200	181,700*	54.6	407.0	60,600	169,300*	235
240	40.2	369.6	109,400	188,000*	45.0	384.9	91,800	188,600*	49.3	395.9	74,300	176,300*	53.3	403.3	57,000	164,200*	240
245	38.5	363.4	104,700	181,300*	43.5	379.6	87,500	183,200*	48.0	391.4	70,400	171,200*	52.0	399.4	53,600	159,200*	245
250	36.8	356.7	100,200	174,700*	42.0	374.1	83,400	178,000*	46.6	386.7	66,800	166,200*	50.7	395.3	50,300	154,400*	250
260	33.2	342.1	91,700	162,300*	38.8	362.0	75,700	168,100*	43.6	376.5	59,800	156,700*	48.0	386.5	44,100	145,400*	260
270	29.2	325.1	83,800	150,800*	35.3	348.4	68,600	158,800*	40.5	365.1	53,300	147,900*	45.1	376.8	38,300	137,100*	270
280	24.5	304.7	76,200	140,200*	31.5	332.9	61,800	150,100*	37.2	352.4	47,300	139,600*	42.1	366.1	32,900	129,300*	280
290	18.8	278.6	69,000	130,800*	27.3	314.6	55,400	141,900*	33.6	338.0	41,600	131,900*	38.9	354.1	27,800	122,000*	290
300	10.2	238.0	61,500	123,200*	22.2	292.2	49,300	134,100*	29.7	321.3	36,200	124,600*	35.5	340.6	23,000	115,100*	300
310					15.7	262.0	43,200	126,600*	25.1	301.4	31,000	117,700*	31.7	325.2	18,500	108,700*	310
320									19.5	276.2	25,900	111,100*	27.5	307.1	14,100	102,500*	320
330									11.6	238.6	20,600	104,500*	22.5	285.0	9,800	96,600*	330
340													16.1	255.3	5,500	90,900*	340
350													2.4	189.1		84,500*	350

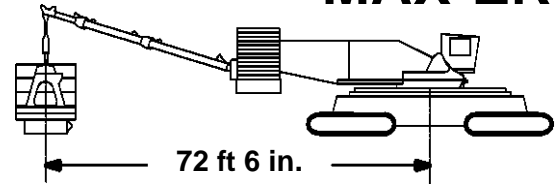


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 300 ft Luffing Jib

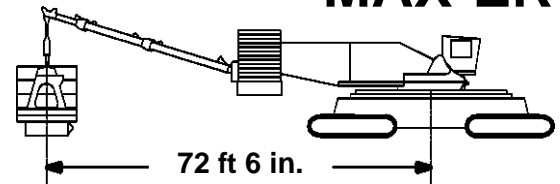
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
145	66.8	466.1	257,200	309,200*													145
150	65.8	463.8	244,100	299,400*	69.0	468.3	213,500	326,000*									150
155	64.7	461.4	232,000	289,500*	68.0	466.2	202,400	319,300*									155
160	63.6	458.9	220,600	279,800*	67.0	464.1	192,100	310,800*									160
165	62.6	456.3	210,000	270,200*	65.9	461.9	182,400	301,700*									165
170	61.5	453.6	200,100	260,600*	64.9	459.5	173,300	291,900*									170
175	60.4	450.8	190,700	251,300*	63.8	457.0	164,800	281,500*									175
180	59.3	447.8	181,900	242,200*	62.7	454.4	156,800	271,700*									180
185	58.1	444.7	173,600	233,300*	61.6	451.7	149,300	262,400*	65.0	456.1	125,200	245,900*					185
190	57.0	441.4	165,800	224,600*	60.5	448.9	142,100	253,500*	63.9	453.6	118,800	237,500*					190
195	55.9	438.0	158,400	216,100*	59.4	445.9	135,400	245,100*	62.8	451.0	112,700	229,500*					195
200	54.7	434.5	151,300	207,900*	58.3	442.8	129,000	237,200*	61.7	448.4	106,900	221,900*					200
205	53.5	430.7	144,700	199,900*	57.2	439.6	122,900	228,600*	60.6	445.5	101,400	214,700*					205
210	52.3	426.9	138,300	192,100*	56.0	436.2	117,100	219,900*	59.5	442.6	96,200	207,800*					210
215	51.1	422.8	132,300	184,600*	54.9	432.7	111,600	211,500*	58.4	439.5	91,200	201,200*					215
220	49.8	418.6	126,500	177,300*	53.7	429.0	106,400	203,500*	57.3	436.3	86,500	195,000*					220
225	48.5	414.2	121,000	170,200*	52.5	425.2	101,400	195,600*	56.1	432.9	81,900	188,900*	59.6	437.7	62,900	175,700*	225
230	47.2	409.6	115,700	163,300*	51.2	421.1	96,600	188,000*	55.0	429.4	77,600	183,200*	58.4	434.6	59,000	170,200*	230
235	45.9	404.7	110,700	156,700*	50.0	417.0	92,000	180,500*	53.8	425.7	73,500	177,600*	57.3	431.4	55,300	165,000*	235
240	44.5	399.7	105,800	150,300*	48.7	412.6	87,600	173,300*	52.6	421.9	69,500	172,300*	56.1	428.0	51,800	159,900*	240
245	43.2	394.3	101,200	144,000*	47.4	408.0	83,400	166,300*	51.3	417.9	65,700	167,200*	55.0	424.5	48,400	155,000*	245
250	41.7	388.7	96,700	137,900*	46.1	403.2	79,300	159,500*	50.1	413.7	62,100	162,300*	53.8	420.8	45,100	150,300*	250
260	38.7	376.6	88,300	126,400*	43.4	392.8	71,700	146,500*	47.5	404.8	55,200	152,900*	51.4	413.0	38,900	141,300*	260
270	35.5	363.1	80,500	115,600*	40.5	381.5	64,600	134,400*	44.9	395.0	48,800	144,200*	48.9	404.4	33,200	133,000*	270
280	32.0	347.8	73,100	105,500*	37.4	368.8	57,900	123,100*	42.1	384.2	42,800	136,000*	46.2	395.1	27,900	125,300*	280
290	28.1	330.1	66,200	96,200*	34.0	354.5	51,700	112,500*	39.1	372.2	37,200	128,400*	43.5	384.8	22,900	118,100*	290
300	23.6	308.9	59,600	87,500*	30.4	338.3	45,800	102,600*	35.9	358.9	32,000	119,100*	40.6	373.5	18,200	111,300*	300
310	18.1	281.8	53,200	79,600*	26.3	319.2	40,200	93,500*	32.4	343.8	27,000	108,800*	37.5	360.9	13,800	105,000*	310
320	9.9	239.6	46,600	73,200*	21.5	296.0	34,800	85,100*	28.6	326.4	22,200	99,200*	34.2	346.7	9,600	99,000*	320
330					15.2	264.6	29,400	77,600*	24.2	305.7	17,600	90,400*	30.6	330.6	5,600	93,300*	330
340									18.9	279.5	13,100	82,400*	26.5	311.7	1,700	87,800*	340
350									11.2	240.5	8,400	75,600*	21.7	288.7		82,600*	350
360													15.6	258.0		77,500*	360
370													2.3	189.4		71,700*	370

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



200 ft Boom, 120 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
60				c													60
65				c													65
70				c													70
75	67.3	320.9	659,000	809,600*b													75
80	64.6	318.5	607,300	757,400*b													80
85	61.9	315.8	562,300	711,100*b													85
90	59.1	312.8	522,900	669,800*b													90
95	56.3	309.5	487,900	632,600*b	65.9	317.2	442,600	603,000*b									95
100	53.3	305.7	456,800	599,100*b	63.3	314.7	414,200	571,100*b									100
105	50.2	301.5	428,800	568,500*	60.5	311.8	388,700	542,000*b									105
110	46.9	296.9	403,400	540,700*	57.7	308.6	365,700	515,500*b									110
115	43.5	291.6	380,400	515,100*	54.8	305.1	344,700	491,200*b	64.4	311.8	308,600	467,000*b					115
120	39.7	285.7	359,300	491,500*	51.7	301.1	325,600	468,800*	61.7	309.1	291,400	445,800*b					120
125	35.7	278.8	339,800	469,600*	48.5	296.7	308,100	448,200*	58.9	306.1	275,500	426,200*b					125
130	31.2	270.8	321,700	449,300*	45.2	291.8	291,900	429,000*	56.0	302.7	261,000	408,000*b					130
135	25.9	260.9	304,700	430,200*	41.6	286.2	276,900	411,100*	53.0	298.9	247,500	391,100*b					135
140	19.2	247.9	288,400	412,100*	37.7	279.8	262,800	394,400*	49.9	294.7	235,000	375,300*	59.9	301.7	206,700	356,000*b	140
145	7.5	223.9	271,400	394,000*	33.5	272.4	249,700	378,700*	46.7	290.0	223,300	360,600*	57.1	298.4	196,300	342,100*b	145
150					28.6	263.5	237,200	363,900*	43.2	284.7	212,300	346,700*	54.1	294.8	186,500	329,000*b	150
155					22.7	252.3	225,200	349,800*	39.4	278.6	202,000	333,700*	51.0	290.7	177,400	316,700*	155
160					14.6	236.1	213,200	336,000*	35.4	271.7	192,200	321,300*	47.8	286.2	168,800	305,100*	160
165									30.8	263.6	182,900	309,600*	44.4	281.1	160,700	294,100*	165
170									25.4	253.5	173,800	298,400*	40.8	275.4	152,900	283,800*	170
175									18.6	240.1	164,900	287,400*	36.8	268.8	145,600	273,900*	175
180									5.3	212.7	154,400	275,800*	32.4	261.1	138,500	264,400*	180
185													27.4	251.8	131,500	255,300*	185
190													21.2	239.9	124,700	246,500*	190
195													12.0	221.3	117,200	237,500*	195

Capacities indicated by **(b)** require 37,000 lb minimum weight suspended beneath luffing jib point.

Do not luff into area indicated by **(c)** with 37,000 lb minimum weight (see CAUTION on page 1).



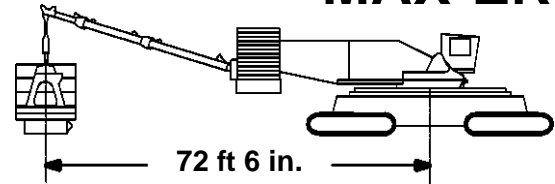
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



200 ft Boom, 140 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
65				c													65
70				c													70
75	70.7	342.5	657,900	806,300*b													75
80	68.5	340.6	606,000	754,300*b													80
85	66.3	338.3	561,000	708,100*b													85
90	64.0	335.9	521,500	666,900*b													90
95	61.7	333.1	486,600	629,900*b	69.6	339.1	439,100	599,000*b									95
100	59.3	330.2	455,500	596,500*b	67.4	337.0	410,700	567,200*b									100
105	56.8	326.9	427,600	566,200*	65.1	334.6	385,400	538,300*b									105
110	54.3	323.3	402,400	538,500*	62.8	332.0	362,500	512,000*b									110
115	51.7	319.3	379,500	513,100*	60.4	329.1	341,700	487,900*b									115
120	49.0	315.0	358,700	489,700*	58.0	326.0	322,700	465,600*									120
125	46.1	310.2	339,500	468,100*	55.5	322.6	305,400	445,200*	63.8	329.1	271,000	422,000*b					125
130	43.2	304.9	321,900	448,100*	53.0	318.8	289,400	426,200*	61.5	326.4	256,700	404,000*b					130
135	40.0	298.9	305,600	429,500*	50.3	314.6	274,700	408,500*	59.1	323.4	243,400	387,300*b					135
140	36.6	292.3	290,400	412,100*	47.5	310.1	261,000	392,100*	56.6	320.1	231,100	371,700*					140
145	32.9	284.7	276,200	395,800*	44.6	305.0	248,200	376,700*	54.1	316.5	219,600	357,100*					145
150	28.7	275.8	262,800	380,500*	41.6	299.4	236,300	362,300*	51.5	312.5	208,900	343,500*	59.9	319.0	181,500	324,700*b	150
155	23.8	265.0	250,000	365,900*	38.3	293.1	225,100	348,700*	48.8	308.1	198,900	330,700*	57.5	315.8	172,600	312,600*	155
160	17.7	250.9	237,600	352,000*	34.7	286.0	214,500	335,900*	45.9	303.2	189,500	318,600*	55.0	312.3	164,300	301,200*	160
165	6.8	224.9	224,400	337,800*	30.8	277.8	204,500	323,700*	42.9	297.9	180,700	307,200*	52.4	308.4	156,400	290,400*	165
170					26.3	268.1	194,800	312,200*	39.7	291.9	172,300	296,400*	49.7	304.2	149,000	280,300*	170
175					20.9	255.9	185,500	301,000*	36.3	285.2	164,300	286,200*	46.9	299.5	141,900	270,600*	175
180					13.4	238.2	176,000	290,100*	32.6	277.5	156,700	276,400*	44.0	294.3	135,300	261,500*	180
185									28.3	268.5	149,300	267,100*	40.9	288.6	128,900	252,800*	185
190									23.4	257.6	142,100	258,000*	37.5	282.2	122,800	244,500*	190
195									17.1	243.0	134,900	249,200*	33.9	274.8	116,900	236,500*	195
200									4.7	213.2	126,300	239,700*	29.9	266.4	111,200	228,900*	200
205													25.2	256.2	105,600	221,500*	205
210													19.5	243.2	100,000	214,200*	210
215													11.0	223.0	93,900	206,700*	215

Capacities indicated by (b) require 37,000 lb minimum weight suspended beneath luffing jib point.

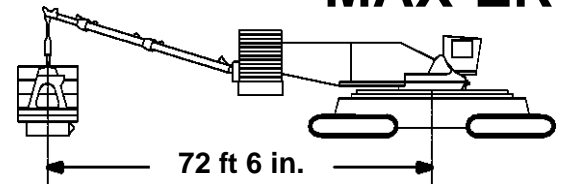
Do not luff into area indicated by (c) with 37,000 lb minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



200 ft Boom, 160 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
80	71.3	362.0	606,800	751,800*b													80
85	69.4	360.1	561,400	705,700*b													85
90	67.5	358.0	521,700	664,600*b													90
95	65.5	355.7	486,600	627,700*b													95
100	63.5	353.2	455,300	594,400*													100
105	61.4	350.5	427,300	564,100*	68.4	356.6	383,600	535,400*b									105
110	59.4	347.5	402,100	536,500*	66.5	354.4	360,700	509,200*b									110
115	57.2	344.2	379,200	511,200*	64.5	352.0	339,900	485,200*b									115
120	55.0	340.7	358,400	488,000*	62.5	349.3	321,000	463,100*									120
125	52.8	336.9	339,300	466,500*	60.4	346.5	303,700	442,700*									125
130	50.5	332.8	321,800	446,700*	58.3	343.4	287,700	423,800*									130
135	48.1	328.3	305,600	428,200*	56.1	340.0	273,100	406,300*	63.3	346.5	240,600	384,300*					135
140	45.6	323.4	290,600	411,000*	53.9	336.3	259,500	389,900*	61.3	343.7	228,300	368,800*					140
145	42.9	318.1	276,700	395,000*	51.6	332.4	246,900	374,700*	59.2	340.7	217,000	354,400*					145
150	40.2	312.2	263,600	379,900*	49.3	328.1	235,100	360,400*	57.1	337.5	206,400	340,800*					150
155	37.2	305.7	251,400	365,700*	46.8	323.4	224,100	347,000*	54.9	333.9	196,500	328,100*					155
160	34.1	298.4	239,900	352,400*	44.2	318.2	213,800	334,400*	52.6	330.1	187,300	316,200*	59.9	336.3	160,900	298,100*	160
165	30.6	290.1	229,100	339,800*	41.5	312.6	204,100	322,500*	50.3	326.0	178,600	304,900*	57.8	333.1	153,200	287,400*	165
170	26.7	280.5	218,700	327,800*	38.7	306.5	194,900	311,300*	47.9	321.4	170,400	294,300*	55.6	329.7	145,900	277,400*	170
175	22.2	268.9	208,800	316,300*	35.6	299.6	186,200	300,600*	45.4	316.5	162,600	284,300*	53.4	326.0	139,000	267,900*	175
180	16.4	253.6	199,000	305,200*	32.3	291.8	177,900	290,400*	42.7	311.1	155,300	274,700*	51.1	322.0	132,500	258,900*	180
185	6.3	225.7	188,300	293,800*	28.7	282.9	170,000	280,800*	39.9	305.2	148,300	265,700*	48.7	317.6	126,300	250,300*	185
190					24.5	272.4	162,300	271,500*	37.0	298.6	141,700	257,000*	46.2	312.8	120,400	242,200*	190
195					19.5	259.2	154,800	262,500*	33.8	291.3	135,300	248,700*	43.7	307.6	114,800	234,400*	195
200					12.4	240.2	147,000	253,500*	30.3	282.9	129,100	240,800*	40.9	301.8	109,500	227,000*	200
205									26.4	273.2	123,200	233,200*	38.0	295.5	104,300	220,000*	205
210									21.8	261.3	117,300	225,800*	35.0	288.4	99,400	213,200*	210
215									15.9	245.6	111,300	218,500*	31.6	280.5	94,600	206,600*	215
220									4.3	213.7	104,100	210,500*	27.8	271.2	89,900	200,300*	220
225													23.5	260.3	85,300	194,100*	225
230													18.2	246.3	80,600	187,900*	230
235													10.2	224.6	75,400	181,500*	235

Capacities indicated by (b) require
37,000 lb minimum weight
suspended beneath luffing jib point.

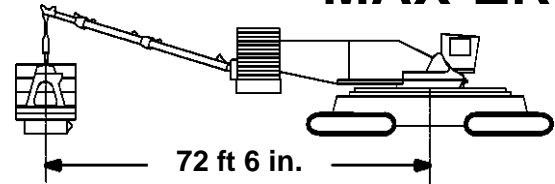


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



200 ft Boom, 180 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
85	71.8	381.5	559,000	685,100* b													85
90	70.1	379.6	519,100	661,000* b													90
95	68.4	377.6	483,900	624,100* b													95
100	66.6	375.5	452,500	590,900*													100
105	64.9	373.1	424,500	560,700*													105
110	63.1	370.5	399,200	533,100*	69.2	376.1	356,400	504,900* b									110
115	61.3	367.8	376,400	507,900*	67.5	374.0	335,600	481,000*									115
120	59.4	364.8	355,500	484,800*	65.8	371.8	316,700	459,000*									120
125	57.5	361.6	336,500	463,400*	64.0	369.3	299,500	438,700*									125
130	55.6	358.2	319,000	443,600*	62.2	366.6	283,600	419,900*									130
135	53.6	354.5	302,900	425,300*	60.3	363.8	269,000	402,400*									135
140	51.6	350.5	288,000	408,200*	58.5	360.7	255,500	386,200*	64.7	366.4	223,200	364,300*					140
145	49.5	346.3	274,200	392,200*	56.6	357.4	243,000	371,100*	63.0	363.8	211,900	350,000*					145
150	47.4	341.6	261,300	377,300*	54.6	353.8	231,300	356,900*	61.1	361.0	201,400	336,500*					150
155	45.1	336.7	249,200	363,200*	52.6	350.0	220,400	343,600*	59.3	358.0	191,700	323,900*					155
160	42.8	331.3	237,900	350,000*	50.5	345.9	210,200	331,100*	57.4	354.8	182,500	312,100*					160
165	40.3	325.4	227,300	337,600*	48.4	341.5	200,600	319,300*	55.5	351.4	173,900	300,900*					165
170	37.7	319.0	217,300	325,900*	46.2	336.7	191,600	308,200*	53.5	347.7	165,900	290,400*	59.9	353.6	140,300	272,800*	170
175	35.0	312.0	207,800	314,700*	43.9	331.5	183,100	297,700*	51.4	343.7	158,200	280,500*	58.1	350.5	133,500	263,400*	175
180	32.0	304.1	198,800	304,100*	41.5	325.9	175,100	287,700*	49.3	339.4	151,100	271,000*	56.1	347.1	127,200	254,500*	180
185	28.8	295.2	190,300	294,100*	39.0	319.7	167,400	278,200*	47.2	334.8	144,200	262,100*	54.2	343.5	121,100	246,100*	185
190	25.1	284.9	182,000	282,800*	36.3	313.0	160,200	269,200*	44.9	329.8	137,800	253,600*	52.2	339.6	115,400	238,000*	190
195	20.8	272.5	174,000	272,500*	33.5	305.6	153,200	260,600*	42.6	324.3	131,600	245,500*	50.1	335.4	109,900	230,400*	195
200	15.4	256.2	166,100	264,200*	30.4	297.2	146,600	252,300*	40.1	318.4	125,700	237,800*	47.9	330.9	104,800	223,100*	200
205	5.8	226.5	157,300	256,600*	27.0	287.6	140,100	244,400*	37.5	312.0	120,100	230,400*	45.7	326.1	99,800	216,200*	205
210					23.0	276.4	133,900	236,800*	34.7	304.9	114,700	223,300*	43.4	320.8	95,100	209,500*	210
215					18.3	262.3	127,600	229,300*	31.8	296.9	109,500	216,500*	41.0	315.1	90,500	203,100*	215
220					11.7	242.1	121,200	221,900*	28.5	287.9	104,400	209,900*	38.4	308.8	86,100	197,000*	220
225									24.8	277.5	99,500	203,600*	35.7	301.9	81,900	191,200*	225
230									20.5	264.8	94,600	197,400*	32.8	294.3	77,800	185,400*	230
235									14.9	248.1	89,600	191,200*	29.7	285.7	73,800	179,800*	235
240									4.0	214.2	83,400	184,400*	26.1	275.8	69,900	174,400*	240
245													22.1	264.1	66,000	169,100*	245
250													17.1	249.1	62,000	163,800*	250

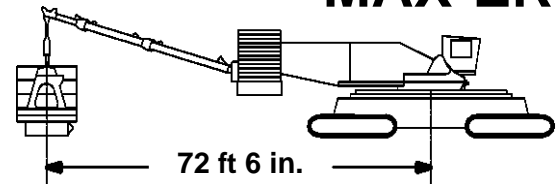
Capacities indicated by **(b)** require 37,000 lb minimum weight suspended beneath luffing jib point.

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



200 ft Boom, 200 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
95	70.7	399.1	481,800	595,500*													95
100	69.1	397.2	450,400	584,600*													100
105	67.6	395.1	422,300	557,900*													105
110	66.0	392.9	397,000	530,400*													110
115	64.4	390.5	374,100	505,300*	69.9	395.6	332,300	477,700*									115
120	62.8	387.9	353,200	482,100*	68.3	393.6	313,500	455,800*									120
125	61.2	385.1	334,200	460,800*	66.8	391.5	296,200	435,500*									125
130	59.5	382.1	316,700	441,100*	65.2	389.1	280,400	416,800*									130
135	57.8	379.0	300,600	422,800*	63.6	386.6	265,800	399,400*									135
140	56.1	375.6	285,800	405,700*	62.0	384.0	252,300	383,200*									140
145	54.3	372.0	272,000	389,800*	60.3	381.1	239,900	368,100*									145
150	52.5	368.2	259,100	375,000*	58.6	378.0	228,200	354,000*	64.3	383.7	197,600	333,200*					150
155	50.6	364.0	247,200	361,000*	56.9	374.8	217,400	340,800*	62.7	381.1	187,800	320,600*					155
160	48.7	359.7	236,000	347,900*	55.2	371.3	207,300	328,400*	61.0	378.4	178,800	308,900*					160
165	46.8	355.0	225,400	335,600*	53.4	367.6	197,800	316,600*	59.4	375.4	170,300	297,800*					165
170	44.7	349.9	215,600	323,900*	51.6	363.6	188,900	305,600*	57.7	372.2	162,300	287,300*					170
175	42.6	344.5	206,200	312,900*	49.7	359.3	180,400	295,200*	55.9	368.8	154,700	277,400*					175
180	40.4	338.7	197,400	302,400*	47.7	354.8	172,500	285,300*	54.2	365.2	147,600	268,100*	59.9	371.0	123,000	251,100*	180
185	38.1	332.4	189,100	291,800*	45.7	349.9	165,000	275,900*	52.4	361.3	140,900	259,200*	58.3	367.8	117,100	242,700*	185
190	35.7	325.5	181,100	279,700*	43.7	344.7	157,900	267,000*	50.5	357.2	134,500	250,800*	56.5	364.5	111,400	234,800*	190
195	33.1	317.9	173,600	268,400*	41.5	339.1	151,100	258,500*	48.6	352.8	128,500	242,800*	54.8	361.0	106,100	227,200*	195
200	30.3	309.5	166,300	257,800*	39.3	333.0	144,600	250,400*	46.6	348.1	122,700	235,100*	53.0	357.2	101,000	220,000*	200
205	27.2	300.0	159,400	248,100*	36.9	326.4	138,500	242,700*	44.6	343.0	117,200	227,900*	51.2	353.2	96,100	213,100*	205
210	23.8	289.0	152,600	239,100*	34.4	319.2	132,500	235,300*	42.5	337.6	112,000	220,900*	49.3	348.9	91,500	206,500*	210
215	19.7	275.8	146,100	231,300*	31.7	311.2	126,900	228,200*	40.3	331.7	107,000	214,200*	47.3	344.3	87,000	200,300*	215
220	14.6	258.6	139,500	225,100*	28.7	302.3	121,400	221,300*	37.9	325.3	102,100	207,800*	45.3	339.3	82,800	194,300*	220
225	5.5	227.3	132,100	221,900*	25.5	292.1	116,000	214,700*	35.5	318.4	97,500	201,700*	43.2	334.0	78,700	188,500*	225
230					21.8	280.1	110,800	208,300*	32.9	310.7	93,000	195,800*	41.0	328.3	74,800	182,900*	230
235					17.3	265.3	105,600	202,100*	30.0	302.2	88,700	190,100*	38.8	322.1	71,000	177,500*	235
240					11.0	243.9	100,200	195,800*	26.9	292.7	84,400	184,500*	36.4	315.4	67,400	172,200*	240
245									23.5	281.6	80,300	179,100*	33.8	308.0	63,800	167,200*	245
250									19.4	268.1	76,100	173,700*	31.1	299.8	60,400	162,300*	250
260									3.7	214.6	66,500	162,400*	24.7	280.1	53,700	153,000*	260
270													16.1	251.9	46,900	143,900*	270

Capacities indicated by (b) require
37,000 lb minimum weight
suspended beneath luffing jib point.

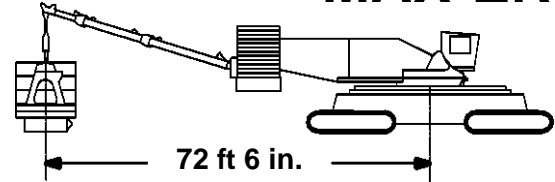


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



200 ft Boom, 220 ft Luffing Jib

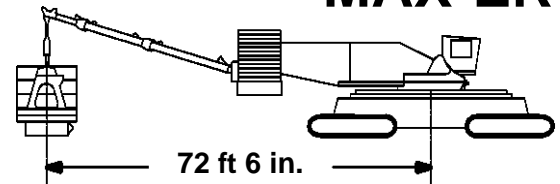
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
105	69.7	416.7	420,300	518,100*													105
110	68.3	414.7	394,800	507,600*													110
115	66.9	412.6	371,700	493,600*													115
120	65.5	410.3	350,700	478,500*													120
125	64.0	407.8	331,600	457,200*	69.0	413.2	292,400	431,200*									125
130	62.5	405.2	314,000	437,500*	67.6	411.1	276,500	412,500*									130
135	61.1	402.4	297,800	419,300*	66.2	408.9	261,900	395,200*									135
140	59.5	399.5	282,900	402,300*	64.7	406.5	248,400	379,100*									140
145	58.0	396.3	269,000	386,400*	63.3	404.0	235,900	364,100*									145
150	56.4	393.0	256,200	371,600*	61.8	401.3	224,200	350,000*									150
155	54.8	389.5	244,200	357,700*	60.3	398.4	213,400	336,800*									155
160	53.2	385.7	233,000	344,600*	58.8	395.4	203,300	324,400*	63.9	401.1	173,800	304,400*					160
165	51.6	381.7	222,500	332,300*	57.2	392.1	193,800	312,800*	62.4	398.5	165,300	293,300*					165
170	49.8	377.5	212,600	320,800*	55.6	388.7	184,900	301,800*	60.9	395.7	157,400	282,900*					170
175	48.1	373.0	203,300	309,800*	54.0	385.1	176,500	291,400*	59.4	392.7	149,900	273,100*					175
180	46.3	368.3	194,600	299,400*	52.4	381.2	168,600	281,600*	57.9	389.6	142,800	263,800*					180
185	44.4	363.2	186,300	289,600*	50.7	377.1	161,100	272,300*	56.3	386.2	136,100	255,000*					185
190	42.5	357.7	178,400	277,900*	49.0	372.8	154,100	263,400*	54.7	382.7	129,800	246,700*	59.9	388.3	105,900	230,100*	190
195	40.5	351.9	171,000	266,800*	47.2	368.1	147,400	255,000*	53.1	378.9	123,800	238,700*	58.4	385.2	100,600	222,600*	195
200	38.4	345.7	163,900	256,200*	45.4	363.2	141,000	247,000*	51.4	374.9	118,100	231,200*	56.9	381.9	95,600	215,500*	200
205	36.2	338.9	157,100	246,300*	43.5	358.0	134,900	239,400*	49.7	370.7	112,700	223,900*	55.3	378.4	90,800	208,700*	205
210	33.9	331.5	150,600	236,900*	41.5	352.3	129,100	232,100*	48.0	366.2	107,500	217,000*	53.7	374.7	86,200	202,200*	210
215	31.5	323.5	144,400	228,100*	39.5	346.3	123,500	225,100*	46.2	361.4	102,600	210,500*	52.0	370.8	81,900	196,000*	215
220	28.8	314.6	138,400	219,900*	37.3	339.8	118,200	218,400*	44.3	356.2	97,900	204,100*	50.3	366.7	77,700	190,000*	220
225	25.9	304.5	132,600	212,300*	35.1	332.7	113,100	211,900*	42.4	350.8	93,400	198,100*	48.6	362.3	73,700	184,300*	225
230	22.6	293.0	127,000	205,400*	32.7	325.0	108,200	205,800*	40.4	344.9	89,000	192,300*	46.8	357.6	69,900	178,900*	230
235	18.7	279.1	121,500	199,500*	30.1	316.5	103,500	199,800*	38.3	338.6	84,800	186,700*	45.0	352.6	66,200	173,600*	235
240	13.8	260.9	115,900	194,600*	27.3	307.1	98,800	194,100*	36.1	331.8	80,800	181,300*	43.0	347.2	62,700	168,400*	240
245	5.2	228.1	109,600	192,400*	24.2	296.3	94,300	188,500*	33.7	324.4	76,900	176,100*	41.1	341.5	59,300	163,500*	245
250					20.7	283.7	89,900	183,000*	31.3	316.3	73,100	171,100*	39.0	335.4	56,000	158,700*	250
260					10.4	245.6	80,800	172,200*	25.6	297.2	65,800	161,300*	34.6	321.6	49,700	149,700*	260
270									18.4	271.3	58,700	152,000*	29.5	305.1	43,700	141,200*	270
280									3.5	215.0	50,300	142,200*	23.5	284.2	37,900	133,100*	280
290													15.3	254.5	32,100	125,300*	290

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



200 ft Boom, 240 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
115	68.9	434.3	368,500	454,100*													115
120	67.6	432.2	347,400	445,000*													120
125	66.3	430.0	328,200	433,600*													125
130	65.0	427.6	310,600	421,700*	69.6	432.7	272,400	408,800*									130
135	63.7	425.2	294,400	409,500*	68.3	430.7	257,800	391,500*									135
140	62.3	422.5	279,500	397,000*	67.0	428.6	244,300	375,500*									140
145	61.0	419.7	265,600	383,200*	65.7	426.3	231,700	360,400*									145
150	59.6	416.8	252,700	368,400*	64.3	423.9	220,100	346,400*									150
155	58.2	413.7	240,700	354,500*	63.0	421.3	209,300	333,300*									155
160	56.7	410.4	229,500	341,500*	61.6	418.6	199,200	320,900*									160
165	55.3	406.9	219,000	329,200*	60.3	415.7	189,700	309,300*	64.9	420.9	160,700	289,500*					165
170	53.8	403.2	209,200	317,700*	58.9	412.7	180,800	298,300*	63.6	418.4	152,800	279,100*					170
175	52.3	399.4	199,900	306,700*	57.4	409.5	172,500	288,000*	62.2	415.8	145,300	269,400*					175
180	50.8	395.3	191,200	296,400*	56.0	406.1	164,600	278,200*	60.9	413.0	138,300	260,100*					180
185	49.2	391.0	182,900	286,600*	54.5	402.6	157,200	268,900*	59.5	410.0	131,600	251,300*					185
190	47.6	386.4	175,100	276,400*	53.0	398.8	150,100	260,100*	58.1	406.9	125,300	243,000*					190
195	45.9	381.6	167,700	266,000*	51.5	394.8	143,500	251,700*	56.6	403.6	119,400	235,100*					195
200	44.2	376.4	160,700	256,100*	50.0	390.6	137,100	243,800*	55.2	400.1	113,700	227,600*	60.0	405.6	90,700	211,600*	200
205	42.4	371.0	154,000	246,500*	48.4	386.2	131,100	236,200*	53.7	396.4	108,400	220,400*	58.6	402.5	85,900	204,800*	205
210	40.6	365.2	147,600	237,400*	46.7	381.5	125,400	228,900*	52.2	392.5	103,200	213,500*	57.1	399.3	81,400	198,400*	210
215	38.7	359.0	141,500	228,700*	45.0	376.5	119,900	222,000*	50.6	388.4	98,400	207,000*	55.7	395.9	77,100	192,200*	215
220	36.7	352.3	135,700	220,500*	43.3	371.2	114,700	215,300*	49.1	384.1	93,700	200,700*	54.2	392.2	73,000	186,300*	220
225	34.6	345.1	130,100	212,700*	41.5	365.5	109,600	209,000*	47.4	379.5	89,200	194,700*	52.7	388.4	69,100	180,600*	225
230	32.4	337.3	124,700	205,300*	39.6	359.5	104,800	202,900*	45.8	374.6	85,000	189,000*	51.2	384.4	65,300	175,200*	230
235	30.1	328.8	119,500	198,400*	37.7	353.1	100,200	197,000*	44.1	369.5	80,900	183,500*	49.6	380.1	61,700	170,000*	235
240	27.5	319.4	114,500	191,900*	35.7	346.2	95,800	191,400*	42.3	364.0	76,900	178,200*	48.0	375.6	58,200	164,900*	240
245	24.7	308.9	109,600	186,000*	33.5	338.7	91,500	186,000*	40.4	358.2	73,100	173,000*	46.4	370.9	54,900	160,000*	245
250	21.6	296.7	104,800	180,600*	31.2	330.6	87,300	180,700*	38.5	351.9	69,400	168,100*	44.7	365.8	51,700	155,300*	250
260	13.2	263.1	95,300	172,300*	26.1	311.7	79,300	170,700*	34.4	338.0	62,500	158,600*	41.1	354.8	45,600	146,400*	260
270					19.8	287.1	71,700	161,100*	29.9	321.6	55,900	149,700*	37.3	342.1	39,800	138,100*	270
280					10.0	247.2	63,700	151,600*	24.5	301.4	49,600	141,300*	33.0	327.5	34,400	130,300*	280
290									17.6	274.3	43,400	133,200*	28.2	310.0	29,300	123,000*	290
300									3.3	215.4	36,000	124,600*	22.5	288.2	24,300	116,000*	300
310													14.6	256.9	19,100	109,100*	310

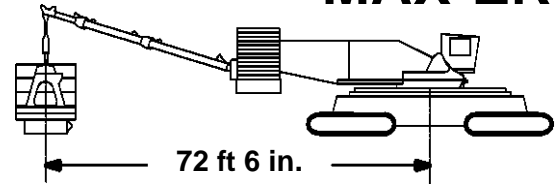


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



200 ft Boom, 260 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
125	68.3	451.8	324,500	397,100*													125
130	67.1	449.7	306,900	390,900*													130
135	65.9	447.4	290,600	381,500*	70.0	452.2	253,000	387,300*									135
140	64.6	445.0	275,600	371,800*	68.8	450.3	239,500	371,200*									140
145	63.4	442.5	261,800	362,000*	67.6	448.2	227,000	356,300*									145
150	62.2	439.9	248,900	351,800*	66.4	446.0	215,400	342,300*									150
155	60.9	437.0	236,900	341,500*	65.2	443.7	204,600	329,200*									155
160	59.6	434.1	225,700	331,100*	64.0	441.2	194,500	316,800*									160
165	58.3	431.0	215,200	320,700*	62.8	438.7	185,000	305,300*									165
170	57.0	427.8	205,400	310,400*	61.5	435.9	176,200	294,300*									170
175	55.7	424.3	196,100	300,200*	60.2	433.1	167,800	284,000*	64.5	438.3	139,900	264,900*					175
180	54.3	420.7	187,400	290,200*	59.0	430.0	160,000	274,300*	63.3	435.8	132,900	255,700*					180
185	52.9	417.0	179,100	280,300*	57.6	426.9	152,600	265,000*	62.1	433.1	126,300	247,000*					185
190	51.5	413.0	171,400	270,600*	56.3	423.5	145,600	256,300*	60.8	430.3	120,100	238,700*					190
195	50.1	408.8	164,000	261,200*	55.0	420.0	139,000	247,900*	59.5	427.4	114,100	230,800*					195
200	48.6	404.4	157,000	252,100*	53.6	416.3	132,700	240,000*	58.2	424.2	108,500	223,300*					200
205	47.1	399.7	150,300	243,300*	52.2	412.4	126,700	232,400*	56.9	421.0	103,200	216,200*					205
210	45.6	394.8	144,000	234,700*	50.8	408.4	121,000	225,200*	55.6	417.5	98,100	209,400*	60.0	422.9	75,700	193,800*	210
215	44.0	389.7	138,000	226,500*	49.3	404.1	115,600	218,300*	54.2	413.9	93,300	202,900*	58.7	419.9	71,400	187,700*	215
220	42.3	384.2	132,200	218,600*	47.8	399.5	110,400	211,800*	52.8	410.1	88,700	196,700*	57.4	416.6	67,400	181,800*	220
225	40.7	378.4	126,700	211,100*	46.3	394.8	105,400	205,400*	51.4	406.1	84,300	190,700*	56.0	413.3	63,500	176,200*	225
230	38.9	372.2	121,400	203,800*	44.8	389.7	100,700	199,400*	50.0	401.9	80,100	185,000*	54.7	409.7	59,800	170,800*	230
235	37.1	365.7	116,300	196,900*	43.2	384.4	96,100	193,600*	48.5	397.5	76,000	179,500*	53.3	406.0	56,200	165,700*	235
240	35.2	358.6	111,400	190,400*	41.5	378.8	91,700	188,000*	47.0	392.8	72,200	174,300*	51.9	402.1	52,800	160,700*	240
245	33.2	351.1	106,700	184,100*	39.8	372.8	87,500	182,600*	45.4	387.9	68,400	169,200*	50.5	397.9	49,600	155,900*	245
250	31.1	342.9	102,100	178,300*	38.0	366.4	83,500	177,500*	43.9	382.7	64,800	164,400*	49.0	393.6	46,400	151,200*	250
260	26.4	324.1	93,400	167,600*	34.2	352.3	75,800	167,700*	40.5	371.4	58,000	155,000*	46.0	384.2	40,400	142,400*	260
270	20.7	300.3	85,200	158,600*	29.9	335.9	68,600	158,500*	36.9	358.6	51,700	146,300*	42.8	373.7	34,900	134,200*	270
280	12.7	265.3	76,900	152,000*	25.0	316.1	61,700	149,700*	33.0	343.9	45,700	138,100*	39.4	361.9	29,700	126,600*	280
290					19.0	290.4	55,100	141,300*	28.6	326.7	40,000	130,400*	35.7	348.6	24,800	119,400*	290
300					9.5	248.8	48,100	133,000*	23.5	305.5	34,600	123,100*	31.7	333.1	20,100	112,600*	300
310									16.9	277.2	29,100	116,100*	27.1	314.8	15,600	106,200*	310
320									3.1	215.8	22,500	108,400*	21.5	291.9	11,200	100,100*	320
330													14.0	259.3	6,600	94,000*	330

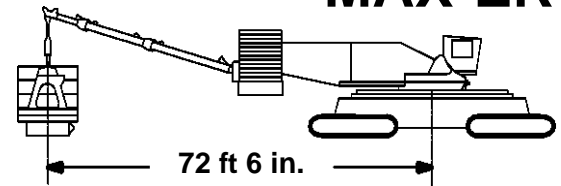


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



200 ft Boom, 280 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
135	67.7	469.3	288,800	346,800*													135
140	66.6	467.1	273,700	345,000*													140
145	65.4	464.8	259,700	337,500*	69.3	469.8	224,200	352,800*									145
150	64.3	462.4	246,700	329,700*	68.2	467.8	212,500	338,900*									150
155	63.2	459.8	234,600	321,600*	67.1	465.7	201,600	325,800*									155
160	62.0	457.2	223,300	313,500*	66.0	463.4	191,400	313,500*									160
165	60.8	454.4	212,700	305,200*	64.9	461.1	181,900	301,900*									165
170	59.6	451.4	202,800	296,700*	63.7	458.6	173,000	291,000*									170
175	58.4	448.4	193,500	288,300*	62.6	456.0	164,600	280,800*									175
180	57.2	445.1	184,800	279,800*	61.4	453.3	156,800	271,000*									180
185	56.0	441.7	176,500	271,300*	60.2	450.4	149,300	261,800*	64.2	455.7	122,500	243,400*					185
190	54.7	438.2	168,700	262,800*	59.0	447.4	142,300	253,100*	63.1	453.1	116,200	235,200*					190
195	53.5	434.5	161,300	254,700*	57.8	444.2	135,700	244,800*	61.9	450.4	110,300	227,300*					195
200	52.2	430.6	154,300	246,000*	56.6	440.9	129,400	236,900*	60.7	447.6	104,700	219,900*					200
205	50.8	426.5	147,600	237,800*	55.3	437.5	123,400	229,300*	59.5	444.7	99,400	212,800*					205
210	49.5	422.2	141,300	229,800*	54.1	433.8	117,700	222,100*	58.3	441.6	94,300	206,000*					210
215	48.1	417.8	135,200	221,900*	52.8	430.0	112,200	215,300*	57.1	438.4	89,500	199,500*					215
220	46.7	413.1	129,400	214,300*	51.5	426.0	107,100	208,700*	55.9	435.0	84,900	193,300*	60.0	440.2	63,100	178,200*	220
225	45.3	408.1	123,900	206,800*	50.2	421.9	102,100	202,500*	54.6	431.4	80,500	187,400*	58.8	437.2	59,200	172,600*	225
230	43.8	402.9	118,700	199,600*	48.8	417.5	97,400	196,400*	53.4	427.7	76,300	181,800*	57.5	434.0	55,500	167,300*	230
235	42.3	397.4	113,600	192,500*	47.4	412.9	92,900	190,700*	52.1	423.8	72,300	176,300*	56.3	430.7	52,000	162,200*	235
240	40.7	391.6	108,800	185,700*	46.0	408.1	88,500	185,100*	50.7	419.7	68,400	171,100*	55.1	427.2	48,600	157,300*	240
245	39.1	385.5	104,100	179,100*	44.5	403.0	84,400	179,800*	49.4	415.4	64,700	166,100*	53.8	423.5	45,400	152,500*	245
250	37.4	379.0	99,600	172,700*	43.0	397.6	80,300	174,700*	48.0	410.9	61,200	161,200*	52.5	419.7	42,200	147,800*	250
260	33.8	364.7	91,200	160,600*	39.9	386.0	72,800	165,000*	45.2	401.2	54,400	152,000*	49.9	411.4	36,300	139,100*	260
270	29.9	348.2	83,200	149,500*	36.5	373.0	65,700	155,900*	42.2	390.5	48,200	143,400*	47.1	402.4	30,900	131,000*	270
280	25.4	328.5	75,700	139,100*	32.9	358.2	59,100	147,400*	39.0	378.5	42,300	135,300*	44.2	392.3	25,800	123,400*	280
290	19.9	303.7	68,500	129,700*	28.8	341.0	52,800	139,300*	35.5	365.0	36,800	127,800*	41.1	381.2	21,000	116,400*	290
300	12.2	267.3	61,300	121,600*	24.1	320.3	46,800	131,600*	31.8	349.6	31,600	120,700*	37.9	368.8	16,400	109,700*	300
310					18.3	293.5	41,000	124,300*	27.5	331.5	26,700	114,000*	34.3	354.7	12,200	103,500*	310
320					9.2	250.3	34,800	117,000*	22.6	309.5	21,900	107,600*	30.5	338.6	8,000	97,500*	320
330									16.2	280.0	17,000	101,300*	26.0	319.4	4,100	91,900*	330
340									3.0	216.1	11,100	94,500*	20.7	295.5	200	86,500*	340
350													13.5	261.6		81,000*	350



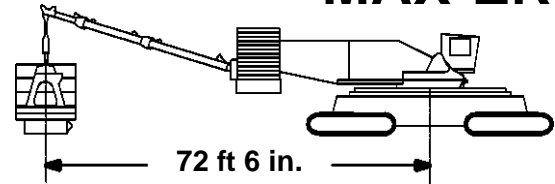
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



200 ft Boom, 300 ft Luffing Jib

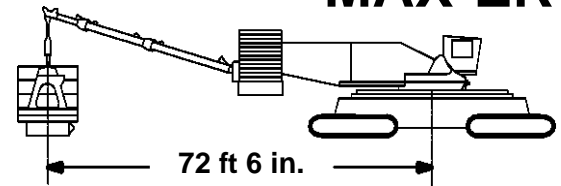
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
145	67.2	486.7	255,700	304,000*													145
150	66.1	484.5	242,600	298,300*	69.8	489.3	207,600	308,000*									150
155	65.1	482.2	230,500	289,100*	68.7	487.4	196,700	308,000*									155
160	64.0	479.7	219,200	279,800*	67.7	485.3	186,500	308,000*									160
165	62.9	477.2	208,600	270,600*	66.7	483.1	177,000	297,800*									165
170	61.9	474.5	198,700	261,400*	65.6	480.9	168,100	286,900*									170
175	60.8	471.7	189,400	252,300*	64.5	478.5	159,800	276,700*									175
180	59.7	468.8	180,700	243,500*	63.5	476.0	151,900	267,000*									180
185	58.5	465.7	172,400	234,900*	62.4	473.3	144,500	257,800*									185
190	57.4	462.5	164,600	226,200*	61.3	470.6	137,500	249,100*	65.0	475.5	110,700	230,700*					190
195	56.3	459.1	157,200	217,900*	60.2	467.7	130,900	240,800*	63.9	473.0	104,900	222,900*					195
200	55.1	455.6	150,200	209,700*	59.1	464.7	124,600	232,900*	62.9	470.5	99,300	215,500*					200
205	53.9	452.0	143,500	201,800*	58.0	461.6	118,600	225,400*	61.8	467.8	94,000	208,400*					205
210	52.7	448.2	137,200	194,100*	56.8	458.3	113,000	218,300*	60.7	465.0	89,000	201,700*					210
215	51.5	444.2	131,200	186,600*	55.7	454.9	107,600	211,400*	59.6	462.0	84,200	195,300*					215
220	50.2	440.0	125,400	179,300*	54.5	451.3	102,400	204,900*	58.5	458.9	79,600	189,100*					220
225	49.0	435.7	119,900	172,300*	53.3	447.6	97,500	198,600*	57.3	455.7	75,300	183,200*					225
230	47.7	431.1	114,700	165,400*	52.1	443.7	92,800	192,700*	56.2	452.4	71,100	177,600*	60.0	457.5	49,800	162,700*	230
235	46.4	426.4	109,700	158,700*	50.9	439.6	88,300	185,500*	55.0	448.8	67,100	172,200*	58.8	454.5	46,300	157,700*	235
240	45.0	421.4	104,900	152,300*	49.6	435.3	84,000	178,200*	53.8	445.2	63,300	167,000*	57.7	451.4	42,900	152,800*	240
245	43.6	416.1	100,300	146,000*	48.3	430.9	79,800	171,100*	52.6	441.4	59,600	162,000*	56.6	448.0	39,700	148,100*	245
250	42.2	410.6	95,800	139,900*	47.0	426.2	75,900	164,200*	51.4	437.4	56,100	157,200*	55.4	444.6	36,700	143,500*	250
260	39.3	398.8	87,400	128,300*	44.3	416.2	68,400	151,000*	48.9	428.8	49,500	148,100*	53.0	437.2	30,800	134,800*	260
270	36.1	385.5	79,600	117,400*	41.5	405.2	61,400	138,700*	46.3	419.5	43,300	139,600*	50.6	429.2	25,500	126,800*	270
280	32.6	370.5	72,300	107,300*	38.5	393.0	54,900	127,100*	43.5	409.2	37,600	131,600*	48.0	420.4	20,400	119,300*	280
290	28.8	353.3	65,500	97,800*	35.2	379.4	48,800	116,300*	40.6	397.9	32,200	124,100*	45.4	410.7	15,800	112,300*	290
300	24.5	332.8	58,900	88,900*	31.7	363.9	43,100	106,200*	37.6	385.3	27,100	117,100*	42.6	400.2	11,300	105,800*	300
310	19.2	307.0	52,600	81,000*	27.8	345.9	37,600	96,800*	34.3	371.2	22,300	110,500*	39.7	388.5	7,200	99,600*	310
320	11.7	269.3	46,200	74,400*	23.2	324.4	32,300	88,100*	30.6	355.1	17,800	104,300*	36.5	375.4	3,200	93,800*	320
330					17.6	296.6	27,100	80,200*	26.6	336.2	13,400	95,100*	33.1	360.7		88,300*	330
340					8.8	251.8	21,600	73,900*	21.8	313.3	9,100	86,700*	29.4	343.8		83,100*	340
350									15.6	282.6	4,800	79,100*	25.1	323.8		78,100*	350
360									2.8	216.5		73,700*	20.0	299.0		73,200*	360
370													13.0	263.8		68,400*	370

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



220 ft Boom, 120 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
65				c													65
70				c													70
75				c													75
80	65.6	339.3	606,400	753,200*b													80
85	62.9	336.7	561,400	707,100*b													85
90	60.1	333.8	521,900	666,000*b													90
95	57.3	330.6	487,000	629,100*b													95
100	54.3	327.0	455,900	595,700*b	65.1	336.2	407,100	563,700*b									100
105	51.3	323.0	427,900	565,400*	62.4	333.5	382,000	535,100*b									105
110	48.1	318.5	402,600	537,600*	59.7	330.6	359,300	508,900*b									110
115	44.7	313.5	379,600	512,200*	56.8	327.3	338,700	484,900*b									115
120	41.1	307.8	358,500	488,800*	53.8	323.6	319,900	462,800*b	64.5	331.2	280,500	436,400*b					120
125	37.1	301.2	339,100	467,100*	50.8	319.5	302,600	442,400*	61.8	328.5	265,200	417,200*b					125
130	32.8	293.7	321,100	446,900*	47.5	315.0	286,700	423,500*	59.0	325.5	251,100	399,400*b					130
135	27.8	284.5	304,200	427,900*	44.1	309.8	271,900	405,900*	56.1	322.1	238,100	382,900*b					135
140	21.8	272.9	288,200	410,100*	40.4	304.0	258,200	389,400*	53.2	318.4	226,000	367,400*b					140
145	13.0	255.3	272,300	392,700*	36.5	297.4	245,300	374,000*	50.0	314.2	214,700	353,000*					145
150					32.0	289.6	233,100	359,400*	46.8	309.5	204,100	339,500*	58.1	318.4	174,300	319,000*b	150
155					26.9	280.1	221,500	345,600*	43.3	304.2	194,200	326,700*	55.2	315.0	165,700	307,100*b	155
160					20.6	267.9	210,200	332,400*	39.6	298.2	184,800	314,700*	52.2	311.1	157,600	295,900*b	160
165					10.8	248.0	198,500	319,200*	35.5	291.3	175,900	303,300*	49.0	306.7	149,900	285,300*	165
170									31.0	283.2	167,300	292,400*	45.7	301.8	142,600	275,200*	170
175									25.6	273.2	159,000	282,000*	42.1	296.4	135,700	265,700*	175
180									18.9	260.0	150,700	271,800*	38.3	290.1	129,100	256,600*	180
185									6.4	234.4	141,200	261,000*	34.1	282.9	122,700	247,900*	185
190													29.4	274.2	116,500	239,500*	190
195													23.7	263.5	110,300	231,400*	195
200													16.1	248.4	103,900	223,300*	200

Capacities indicated by **(b)** require 37,000 lb minimum weight suspended beneath luffing jib point.

Do not luff into area indicated by **(c)** with 37,000 lb minimum weight (see CAUTION on page 1).

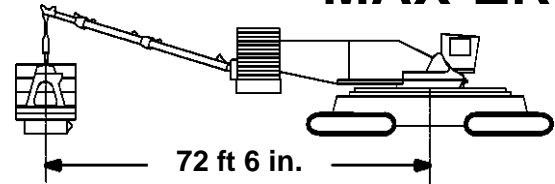


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



220 ft Boom, 140 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
70				c													70
75				c													75
80	69.3	361.2	606,500	740,200*b													80
85	67.0	359.1	561,200	704,000*b													85
90	64.8	356.7	521,500	663,100*b													90
95	62.5	354.0	486,500	626,300*b													95
100	60.1	351.2	455,300	593,000*b	68.9	358.1	404,200	559,700*b									100
105	57.7	348.0	427,300	562,800*	66.7	356.0	379,100	531,100*b									105
110	55.2	344.5	402,000	535,300*	64.4	353.5	356,400	505,100*b									110
115	52.6	340.6	379,100	510,100*	62.1	350.9	335,900	481,300*b									115
120	49.9	336.4	358,300	486,800*	59.7	347.9	317,200	459,400*b									120
125	47.1	331.8	339,100	465,400*	57.3	344.7	300,000	439,200*									125
130	44.2	326.7	321,500	445,500*	54.8	341.1	284,300	420,400*	63.9	348.6	246,800	395,100*b					130
135	41.1	321.0	305,100	427,000*	52.2	337.3	269,700	403,000*	61.6	345.8	233,900	378,800*b					135
140	37.8	314.6	290,000	409,700*	49.5	333.0	256,200	386,800*	59.2	342.8	221,900	363,500*b					140
145	34.2	307.4	275,800	393,500*	46.7	328.3	243,700	371,600*	56.7	339.5	210,800	349,200*					145
150	30.2	299.0	262,400	378,300*	43.7	323.1	231,900	357,400*	54.2	335.9	200,500	335,900*					150
155	25.6	289.0	249,800	363,900*	40.6	317.3	220,900	344,000*	51.6	331.9	190,800	323,300*					155
160	20.0	276.3	237,600	350,100*	37.2	310.8	210,500	331,400*	48.9	327.6	181,700	311,500*	58.4	335.8	152,700	291,600*b	160
165	11.9	257.1	225,200	336,600*	33.6	303.4	200,700	319,400*	46.0	322.7	173,100	300,400*	55.9	332.4	145,200	281,100*	165
170					29.5	294.8	191,300	308,100*	43.0	317.4	165,000	289,800*	53.4	328.7	138,200	271,300*	170
175					24.8	284.4	182,300	297,200*	39.8	311.5	157,400	279,800*	50.7	324.6	131,500	261,900*	175
180					19.0	271.0	173,400	286,700*	36.4	304.8	150,000	270,300*	48.0	320.1	125,200	253,100*	180
185					9.9	249.5	164,000	276,100*	32.7	297.1	143,000	261,300*	45.1	315.1	119,200	244,700*	185
190									28.5	288.2	136,200	252,500*	42.0	309.6	113,500	236,600*	190
195									23.6	277.3	129,600	244,100*	38.8	303.4	108,000	228,900*	195
200									17.4	262.9	122,800	235,800*	35.3	296.4	102,700	221,600*	200
205									5.8	235.1	115,000	227,000*	31.4	288.4	97,500	214,500*	205
210													27.0	279.0	92,500	207,700*	210
215													21.8	267.2	87,400	201,000*	215
220													14.8	250.8	82,100	194,200*	220

Capacities indicated by (b) require 37,000 lb minimum weight suspended beneath luffing jib point.

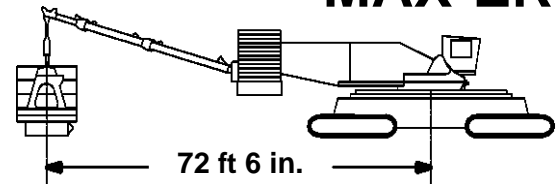
Do not luff into area indicated by (c) with 37,000 lb minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



220 ft Boom, 160 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
85	70.1	380.7	560,200	684,300*b													85
90	68.1	378.7	520,400	660,600*b													90
95	66.2	376.5	485,300	623,900*b													95
100	64.2	374.0	454,100	590,800*b													100
105	62.2	371.4	426,100	560,700*	69.8	377.7	376,300	528,100*b									105
110	60.1	368.5	400,900	533,300*	67.8	375.6	353,700	502,200*b									110
115	58.0	365.3	378,000	508,100*	65.9	373.4	333,200	478,500*b									115
120	55.8	361.9	357,200	485,000*	63.9	370.9	314,600	456,600*b									120
125	53.6	358.2	338,200	463,700*	61.8	368.2	297,600	436,500*									125
130	51.3	354.2	320,700	443,900*	59.7	365.2	281,900	417,900*									130
135	48.9	349.9	304,600	425,600*	57.6	362.1	267,500	400,600*									135
140	46.4	345.1	289,600	408,500*	55.4	358.6	254,100	384,500*	63.4	365.9	218,500	360,400*b					140
145	43.9	339.9	275,700	392,500*	53.2	354.9	241,700	369,400*	61.4	363.1	207,600	346,200*					145
150	41.2	334.2	262,700	377,600*	50.9	350.8	230,100	355,400*	59.3	360.1	197,300	333,000*					150
155	38.3	328.0	250,500	362,300*	48.5	346.4	219,300	342,100*	57.1	356.9	187,800	320,600*					155
160	35.2	321.0	239,100	345,500*	46.0	341.5	209,200	329,700*	54.9	353.4	178,900	308,900*					160
165	31.9	313.1	228,300	329,900*	43.4	336.3	199,600	318,000*	52.7	349.6	170,500	297,900*					165
170	28.1	304.0	218,000	315,700*	40.7	330.5	190,600	306,900*	50.4	345.4	162,500	287,500*	58.6	353.1	134,500	268,100*	170
175	23.9	293.1	208,200	303,200*	37.8	324.1	182,100	296,400*	48.0	340.9	155,100	277,700*	56.4	349.8	128,000	258,900*	175
180	18.7	279.5	198,600	292,600*	34.7	317.0	174,000	286,400*	45.4	336.0	148,000	268,300*	54.2	346.2	121,800	250,200*	180
185	11.1	258.9	188,700	285,400*	31.3	308.9	166,200	276,800*	42.8	330.6	141,300	259,500*	52.0	342.3	116,000	241,900*	185
190					27.5	299.6	158,800	267,700*	40.1	324.7	134,900	251,000*	49.6	338.0	110,500	234,000*	190
195					23.1	288.4	151,500	258,900*	37.1	318.2	128,700	243,000*	47.2	333.4	105,200	226,500*	195
200					17.6	274.0	144,400	250,400*	33.9	310.9	122,900	235,200*	44.6	328.3	100,200	219,300*	200
205					9.2	250.9	136,600	241,700*	30.4	302.5	117,200	227,800*	42.0	322.8	95,300	212,500*	205
210									26.5	292.9	111,700	220,700*	39.1	316.7	90,700	205,900*	210
215									22.0	281.1	106,200	213,700*	36.1	309.9	86,200	199,600*	215
220									16.1	265.6	100,600	206,900*	32.9	302.3	81,900	193,500*	220
225									5.3	235.8	94,000	199,400*	29.3	293.6	77,600	187,600*	225
230													25.2	283.4	73,400	181,900*	230
235													20.3	270.7	69,200	176,200*	235
240													13.7	253.1	64,700	170,400*	240

Capacities indicated by (b) require
37,000 lb minimum weight
suspended beneath luffing jib point.

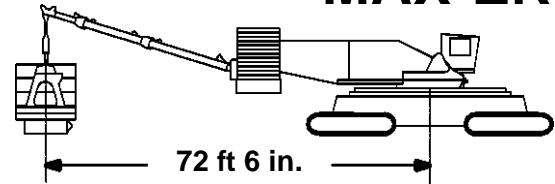


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



220 ft Boom, 180 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
90	70.7	400.2	517,700	618,300* b													90
95	69.0	398.3	482,500	599,700* b													95
100	67.3	396.2	451,200	579,700* b													100
105	65.5	393.9	423,100	557,200*													105
110	63.7	391.4	397,900	529,800*													110
115	61.9	388.7	375,100	504,800*	68.7	395.2	328,700	474,100* b									115
120	60.1	385.8	354,300	481,700*	67.0	393.1	310,100	452,400* b									120
125	58.2	382.7	335,300	460,500*	65.2	390.7	293,100	432,400*									125
130	56.3	379.3	317,800	440,800*	63.4	388.2	277,500	413,800*									130
135	54.3	375.7	301,700	422,600*	61.6	385.5	263,100	396,600*									135
140	52.3	371.9	286,900	405,600*	59.8	382.6	249,900	380,600*									140
145	50.3	367.7	273,000	389,700*	57.9	379.4	237,500	365,600*	64.8	385.8	202,100	341,700*					145
150	48.1	363.2	260,200	373,700*	56.0	376.0	226,100	351,700*	63.0	383.2	192,000	328,500*					150
155	45.9	358.4	248,200	356,600*	54.0	372.4	215,400	338,500*	61.2	380.5	182,600	316,200*					155
160	43.6	353.1	236,900	340,200*	52.0	368.5	205,300	326,200*	59.4	377.5	173,800	304,600*					160
165	41.2	347.5	226,400	324,800*	49.9	364.3	195,900	314,600*	57.5	374.3	165,500	293,700*					165
170	38.6	341.3	216,400	310,300*	47.8	359.7	187,100	303,600*	55.5	370.8	157,700	283,400*					170
175	36.0	334.4	207,000	296,700*	45.5	354.8	178,700	293,200*	53.6	367.1	150,300	273,600*					175
180	33.1	326.9	198,000	284,100*	43.2	349.5	170,800	283,400*	51.5	363.1	143,400	264,400*	58.8	370.5	116,100	245,600*	180
185	29.9	318.4	189,500	272,500*	40.8	343.7	163,400	274,100*	49.4	358.9	136,800	255,700*	56.9	367.2	110,400	237,400*	185
190	26.4	308.6	181,300	261,900*	38.2	337.5	156,200	265,200*	47.3	354.2	130,600	247,400*	54.9	363.7	105,000	229,600*	190
195	22.4	297.0	173,400	252,500*	35.5	330.5	149,400	256,700*	45.0	349.3	124,700	239,400*	52.9	359.9	99,900	222,200*	195
200	17.5	282.4	165,600	244,500*	32.6	322.8	142,900	248,600*	42.7	343.9	119,000	231,900*	50.9	355.8	95,000	215,100*	200
205	10.4	260.6	157,500	239,400*	29.4	314.1	136,600	240,800*	40.2	338.0	113,600	224,700*	48.7	351.4	90,300	208,400*	205
210					25.8	304.1	130,600	233,300*	37.6	331.5	108,400	217,800*	46.5	346.7	85,900	202,000*	210
215					21.7	292.1	124,600	226,100*	34.9	324.4	103,400	211,100*	44.3	341.6	81,600	195,800*	215
220					16.6	276.8	118,700	218,900*	31.9	316.5	98,600	204,700*	41.9	336.0	77,500	189,900*	220
225					8.6	252.2	112,200	211,600*	28.6	307.6	93,900	198,600*	39.4	330.0	73,500	184,200*	225
230									24.9	297.2	89,300	192,600*	36.8	323.3	69,700	178,700*	230
235									20.6	284.6	84,700	186,800*	33.9	316.0	66,000	173,400*	235
240									15.1	268.1	80,100	181,000*	30.9	307.8	62,300	168,200*	240
245									4.9	236.4	74,400	174,600*	27.5	298.4	58,800	163,100*	245
250													23.7	287.5	55,200	158,200*	250
260													12.9	255.2	47,800	148,400*	260

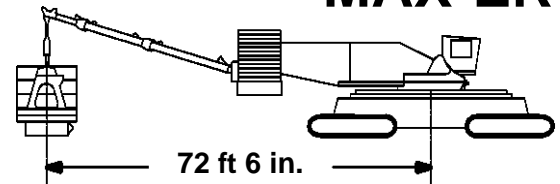
Capacities indicated by **(b)** require 37,000 lb minimum weight suspended beneath luffing jib point.

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



220 ft Boom, 200 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
100	69.7	417.8	450,500	535,900*													100
105	68.1	415.8	422,200	520,300*													105
110	66.5	413.6	396,800	503,800*													110
115	65.0	411.2	373,800	486,800*													115
120	63.4	408.7	352,900	469,300*	69.4	414.7	307,600	449,100*									120
125	61.7	406.0	333,800	451,700*	67.9	412.7	290,500	429,100*									125
130	60.1	403.1	316,200	434,100*	66.3	410.5	274,900	410,600*									130
135	58.4	400.0	300,100	416,600*	64.7	408.1	260,500	393,500*									135
140	56.7	396.7	285,200	399,400*	63.1	405.5	247,200	377,500*									140
145	54.9	393.2	271,400	382,500*	61.5	402.8	234,800	362,600*									145
150	53.1	389.5	258,500	366,200*	59.8	399.9	223,400	348,700*									150
155	51.3	385.4	246,500	350,200*	58.1	396.8	212,700	335,600*	64.3	403.1	179,000	312,700*					155
160	49.4	381.1	235,300	335,300*	56.4	393.4	202,700	323,400*	62.7	400.5	170,200	301,200*					160
165	47.5	376.6	224,800	320,800*	54.6	389.9	193,300	311,800*	61.1	397.8	161,900	290,400*					165
170	45.5	371.6	214,900	306,900*	52.8	386.1	184,500	300,900*	59.4	394.8	154,200	280,100*					170
175	43.4	366.4	205,600	293,800*	51.0	382.0	176,200	290,600*	57.7	391.6	146,900	270,500*					175
180	41.2	360.7	196,800	281,300*	49.1	377.7	168,400	280,900*	56.0	388.2	140,000	261,300*					180
185	38.9	354.5	188,500	269,600*	47.1	373.0	161,000	271,600*	54.2	384.6	133,500	252,600*					185
190	36.5	347.9	180,500	258,500*	45.1	368.1	154,000	262,800*	52.4	380.8	127,400	244,400*	58.9	387.8	101,000	226,100*	190
195	34.0	340.5	173,000	248,200*	43.0	362.7	147,300	254,500*	50.6	376.7	121,500	236,600*	57.2	384.6	95,900	218,800*	195
200	31.3	332.4	165,800	238,600*	40.8	357.0	141,000	246,500*	48.7	372.3	115,900	229,100*	55.4	381.1	91,100	211,800*	200
205	28.3	323.4	158,800	229,700*	38.6	350.7	134,900	238,900*	46.7	367.6	110,600	222,000*	53.7	377.4	86,500	205,200*	205
210	25.0	313.0	152,100	221,600*	36.1	344.0	129,100	231,600*	44.7	362.5	105,600	215,200*	51.8	373.5	82,100	198,800*	210
215	21.2	300.7	145,600	214,400*	33.6	336.5	123,500	224,600*	42.5	357.1	100,700	208,600*	50.0	369.3	78,000	192,700*	215
220	16.6	285.2	139,200	208,300*	30.8	328.3	118,200	217,900*	40.3	351.2	96,100	202,400*	48.0	364.8	74,000	186,900*	220
225	9.8	262.1	132,400	204,500*	27.8	319.0	113,000	211,400*	38.0	344.9	91,600	196,400*	46.0	360.0	70,100	181,300*	225
230					24.4	308.4	107,900	205,100*	35.6	338.0	87,300	190,600*	44.0	354.8	66,400	175,900*	230
235					20.5	295.7	102,900	199,000*	33.0	330.3	83,100	185,100*	41.8	349.2	62,900	170,800*	235
240					15.6	279.5	97,900	193,000*	30.1	321.9	79,100	179,700*	39.6	343.2	59,400	165,700*	240
245					8.1	253.5	92,400	186,800*	27.1	312.3	75,100	174,500*	37.3	336.7	56,100	160,800*	245
250									23.6	301.3	71,300	169,400*	34.8	329.6	52,900	156,100*	250
260									14.3	270.5	63,400	159,300*	29.2	313.0	46,600	147,100*	260
270													22.4	291.4	40,600	138,600*	270
280													12.2	257.2	34,200	130,100*	280

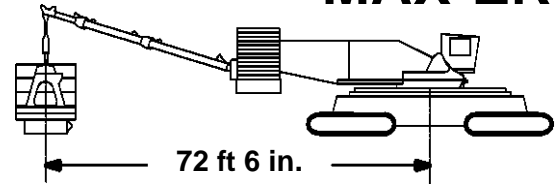


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



220 ft Boom, 220 ft Luffing Jib

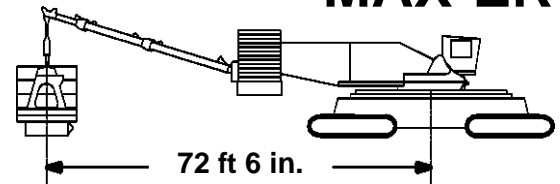
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
110	68.8	435.4	393,300	466,800*													110
115	67.4	433.2	370,200	453,800*													115
120	66.0	431.0	349,300	440,300*													120
125	64.5	428.6	330,100	426,300*	70.0	434.3	285,600	424,700*									125
130	63.1	426.0	312,600	412,000*	68.6	432.3	270,000	406,200*									130
135	61.6	423.3	296,500	397,600*	67.2	430.2	255,600	389,200*									135
140	60.1	420.4	281,600	383,200*	65.7	427.9	242,400	373,300*									140
145	58.5	417.4	267,800	368,900*	64.3	425.5	230,100	358,400*									145
150	57.0	414.1	254,900	354,800*	62.8	422.9	218,600	344,600*									150
155	55.4	410.6	243,000	340,700*	61.3	420.1	208,000	331,600*									155
160	53.8	407.0	231,800	327,400*	59.8	417.2	198,100	319,300*									160
165	52.1	403.1	221,300	314,300*	58.3	414.1	188,700	307,800*	63.9	420.5	156,400	285,800*					165
170	50.4	399.0	211,500	301,600*	56.7	410.8	180,000	297,000*	62.5	417.9	148,700	275,600*					170
175	48.7	394.6	202,200	289,400*	55.1	407.3	171,800	286,800*	61.0	415.1	141,500	266,000*					175
180	46.9	389.9	193,500	277,700*	53.5	403.6	164,000	277,100*	59.5	412.1	134,700	256,900*					180
185	45.1	384.9	185,200	266,500*	51.9	399.7	156,700	267,900*	57.9	409.0	128,200	248,300*					185
190	43.2	379.6	177,400	255,800*	50.2	395.5	149,700	259,200*	56.4	405.6	122,200	240,100*					190
195	41.2	373.9	170,000	245,700*	48.4	391.1	143,100	250,900*	54.8	402.1	116,400	232,300*					195
200	39.2	367.8	162,900	236,100*	46.6	386.4	136,900	243,000*	53.1	398.4	110,900	224,900*	59.0	405.1	85,200	207,100*	200
205	37.0	361.2	156,200	227,000*	44.8	381.3	130,900	235,400*	51.5	394.4	105,700	217,900*	57.4	401.9	80,700	200,500*	205
210	34.8	354.1	149,700	218,400*	42.9	376.0	125,200	228,200*	49.8	390.1	100,700	211,100*	55.9	398.5	76,400	194,200*	210
215	32.3	346.3	143,500	210,400*	40.9	370.2	119,800	221,300*	48.0	385.6	95,900	204,700*	54.3	394.9	72,300	188,200*	215
220	29.7	337.7	137,600	203,000*	38.8	364.0	114,600	214,700*	46.2	380.9	91,400	198,500*	52.6	391.1	68,400	182,500*	220
225	26.9	328.1	131,900	196,000*	36.7	357.4	109,600	208,400*	44.4	375.8	87,000	192,600*	50.9	387.0	64,700	176,900*	225
230	23.8	317.1	126,300	189,800*	34.4	350.1	104,800	202,300*	42.4	370.3	82,900	187,000*	49.2	382.7	61,100	171,700*	230
235	20.2	304.2	120,800	184,100*	31.9	342.2	100,100	196,500*	40.4	364.5	78,800	181,500*	47.5	378.1	57,600	166,600*	235
240	15.7	287.9	115,400	179,600*	29.3	333.5	95,600	190,800*	38.3	358.2	75,000	176,300*	45.6	373.2	54,300	161,700*	240
245	9.3	263.6	109,600	176,700*	26.4	323.7	91,300	185,300*	36.1	351.4	71,200	171,200*	43.8	368.0	51,100	156,900*	245
250					23.2	312.4	87,000	180,000*	33.8	344.0	67,600	166,300*	41.8	362.5	48,000	152,300*	250
260					14.9	282.0	78,400	169,600*	28.7	327.0	60,700	156,900*	37.7	350.1	42,100	143,500*	260
270									22.4	305.2	54,000	147,900*	33.1	335.5	36,500	135,300*	270
280									13.6	272.8	47,100	139,200*	27.8	317.9	31,200	127,600*	280
290													21.3	295.0	26,000	120,200*	290
300													11.6	259.1	20,400	112,800*	300

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



220 ft Boom, 240 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
120	68.1	452.9	345,900	410,100*													120
125	66.8	450.7	326,700	399,500*													125
130	65.5	448.4	309,200	388,400*													130
135	64.1	446.0	293,000	377,000*	69.2	451.8	251,400	385,400*									135
140	62.8	443.4	278,100	365,300*	67.9	449.8	238,100	369,500*									140
145	61.4	440.6	264,300	353,500*	66.6	447.6	225,800	354,700*									145
150	60.1	437.8	251,400	341,800*	65.3	445.3	214,400	340,900*									150
155	58.7	434.7	239,500	330,000*	63.9	442.8	203,800	327,900*									155
160	57.2	431.5	228,300	318,400*	62.6	440.2	193,900	315,700*									160
165	55.8	428.1	217,800	307,000*	61.2	437.5	184,600	304,300*									165
170	54.3	424.5	208,000	295,800*	59.8	434.5	175,800	293,500*	65.0	440.3	143,900	271,700*					170
175	52.8	420.7	198,800	284,800*	58.4	431.5	167,600	283,300*	63.6	437.9	136,700	262,100*					175
180	51.3	416.7	190,100	274,200*	57.0	428.2	159,900	273,600*	62.3	435.2	130,000	253,100*					180
185	49.7	412.4	181,800	263,900*	55.6	424.8	152,600	264,500*	60.9	432.4	123,600	244,500*					185
190	48.1	407.9	174,100	254,000*	54.1	421.1	145,700	255,800*	59.5	429.5	117,500	236,300*					190
195	46.5	403.2	166,700	244,500*	52.6	417.3	139,100	247,500*	58.1	426.3	111,800	228,600*					195
200	44.8	398.2	159,700	235,400*	51.0	413.2	132,900	239,600*	56.7	423.0	106,300	221,200*					200
205	43.0	392.8	153,000	226,600*	49.5	409.0	127,000	232,200*	55.2	419.6	101,200	214,200*					205
210	41.2	387.2	146,600	218,300*	47.9	404.5	121,400	225,000*	53.7	415.9	96,200	207,500*	59.1	422.5	71,400	190,300*	210
215	39.4	381.1	140,600	210,400*	46.2	399.7	116,000	218,200*	52.2	412.0	91,500	201,100*	57.7	419.3	67,400	184,300*	215
220	37.4	374.6	134,800	202,800*	44.5	394.6	110,900	211,600*	50.7	407.9	87,000	195,000*	56.2	415.9	63,500	178,600*	220
225	35.4	367.6	129,200	195,700*	42.8	389.2	106,000	205,400*	49.1	403.6	82,800	189,200*	54.8	412.4	59,800	173,100*	225
230	33.2	360.0	123,800	189,000*	40.9	383.5	101,200	199,300*	47.5	399.0	78,600	183,500*	53.3	408.6	56,300	167,900*	230
235	30.9	351.8	118,700	182,700*	39.0	377.3	96,700	193,600*	45.8	394.1	74,700	178,100*	51.7	404.7	52,900	162,800*	235
240	28.4	342.7	113,700	176,800*	37.1	370.7	92,400	188,000*	44.1	389.0	70,900	172,900*	50.2	400.5	49,600	158,000*	240
245	25.7	332.6	108,800	171,300*	35.0	363.7	88,200	182,700*	42.3	383.5	67,200	168,000*	48.6	396.1	46,500	153,300*	245
250	22.7	321.1	104,100	166,400*	32.8	356.0	84,100	177,500*	40.5	377.7	63,700	163,100*	47.0	391.5	43,500	148,700*	250
260	15.0	290.4	94,800	158,600*	28.0	338.4	76,300	167,700*	36.6	364.8	57,000	154,000*	43.6	381.3	37,700	140,100*	260
270					22.2	316.3	68,900	158,400*	32.3	349.8	50,700	145,300*	39.9	369.7	32,400	132,100*	270
280					14.2	284.4	61,500	149,300*	27.4	331.8	44,800	137,200*	36.0	356.5	27,300	124,500*	280
290									21.4	308.9	38,900	129,400*	31.6	341.1	22,500	117,500*	290
300									13.0	275.0	33,000	121,800*	26.5	322.5	17,900	110,700*	300
310													20.3	298.5	13,300	104,300*	310
320													11.0	260.9	8,300	97,800*	320

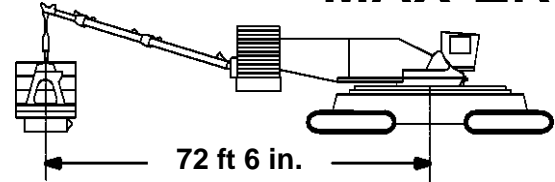


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



220 ft Boom, 260 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
130	67.5	470.3	305,300	361,100*													130
135	66.3	468.1	289,100	352,200*													135
140	65.1	465.8	274,200	343,200*	69.7	471.4	233,200	365,200*									140
145	63.8	463.3	260,400	333,800*	68.5	469.4	220,900	350,400*									145
150	62.6	460.7	247,500	324,200*	67.3	467.2	209,500	336,600*									150
155	61.3	458.0	235,500	314,500*	66.1	465.0	198,900	323,700*									155
160	60.1	455.1	224,400	304,800*	64.9	462.7	189,000	311,600*									160
165	58.8	452.0	213,900	295,100*	63.6	460.2	179,700	300,100*									165
170	57.5	448.8	204,100	285,500*	62.4	457.5	171,000	289,400*									170
175	56.1	445.5	194,900	276,000*	61.1	454.8	162,800	279,200*									175
180	54.8	441.9	186,200	266,600*	59.8	451.9	155,100	269,600*	64.6	457.7	124,400	248,500*					180
185	53.4	438.2	178,000	257,400*	58.6	448.8	147,900	260,500*	63.3	455.2	118,000	240,000*					185
190	52.0	434.3	170,200	248,500*	57.2	445.6	141,000	251,800*	62.1	452.5	112,000	231,900*					190
195	50.6	430.2	162,900	239,800*	55.9	442.2	134,500	243,600*	60.8	449.7	106,300	224,200*					195
200	49.1	425.9	155,900	231,400*	54.6	438.6	128,300	235,800*	59.6	446.8	101,000	216,900*					200
205	47.6	421.3	149,300	223,300*	53.2	434.9	122,400	228,300*	58.3	443.7	95,800	209,900*					205
210	46.1	416.5	143,000	215,400*	51.8	430.9	116,900	221,200*	56.9	440.4	91,000	203,300*					210
215	44.5	411.4	137,000	207,900*	50.3	426.8	111,500	214,400*	55.6	437.0	86,300	196,900*					215
220	42.9	406.1	131,200	200,600*	48.9	422.4	106,500	207,900*	54.2	433.4	81,900	190,800*	59.1	439.8	57,700	174,000*	220
225	41.3	400.4	125,700	193,700*	47.4	417.8	101,600	201,700*	52.9	429.6	77,600	185,000*	57.8	436.6	54,000	168,500*	225
230	39.5	394.4	120,400	187,100*	45.9	413.0	96,900	195,800*	51.5	425.6	73,600	179,400*	56.5	433.3	50,500	163,300*	230
235	37.7	387.9	115,400	180,800*	44.3	407.8	92,500	190,000*	50.0	421.4	69,700	174,100*	55.2	429.8	47,200	158,300*	235
240	35.9	381.1	110,500	174,800*	42.7	402.4	88,200	184,500*	48.5	417.0	65,900	168,900*	53.8	426.2	44,000	153,600*	240
245	33.9	373.7	105,800	169,100*	41.0	396.7	84,100	179,200*	47.0	412.3	62,400	164,000*	52.4	422.3	40,900	148,900*	245
250	31.8	365.7	101,300	163,700*	39.2	390.6	80,100	174,100*	45.5	407.4	58,900	159,300*	51.0	418.3	38,000	144,400*	250
260	27.3	347.5	92,700	154,000*	35.5	377.1	72,600	164,500*	42.3	396.8	52,400	150,300*	48.1	409.5	32,400	135,900*	260
270	21.8	324.9	84,500	145,700*	31.5	361.6	65,500	155,500*	38.8	384.8	46,300	141,800*	45.0	399.8	27,200	128,000*	270
280	14.4	292.9	76,400	139,500*	26.8	343.1	58,800	147,000*	35.1	371.1	40,600	133,800*	41.7	388.9	22,300	120,600*	280
290					21.3	320.0	52,400	138,800*	31.0	355.3	35,100	126,300*	38.3	376.7	17,700	113,700*	290
300					13.6	286.6	45,900	130,800*	26.3	336.4	29,900	119,200*	34.5	362.7	13,300	107,100*	300
310									20.6	312.5	24,800	112,400*	30.3	346.5	9,100	101,000*	310
320									12.4	277.0	19,600	105,700*	25.4	327.0	5,100	95,100*	320
330													19.5	301.9	1,000	89,400*	330
340													10.6	262.6		83,600*	340

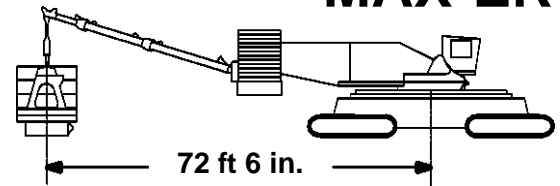


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



220 ft Boom, 280 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
145	65.8	485.5	258,200	312,300*													145
150	64.7	483.2	245,200	304,800*	69.0	488.9	206,500	333,100*									150
155	63.6	480.7	233,200	297,100*	67.9	486.9	195,800	320,200*									155
160	62.4	478.0	221,900	289,200*	66.8	484.7	185,800	308,100*									160
165	61.2	475.3	211,400	281,500*	65.6	482.4	176,500	296,700*									165
170	60.1	472.4	201,500	273,500*	64.5	480.0	167,700	286,000*									170
175	58.9	469.4	192,200	265,400*	63.4	477.5	159,500	275,900*									175
180	57.6	466.2	183,500	257,400*	62.2	474.9	151,800	266,300*									180
185	56.4	462.9	175,300	249,500*	61.0	472.1	144,500	257,200*									185
190	55.2	459.4	167,500	241,600*	59.9	469.2	137,600	248,600*	64.3	475.1	108,000	228,300*					190
195	53.9	455.7	160,100	233,900*	58.7	466.1	131,100	240,400*	63.1	472.5	102,300	220,600*					195
200	52.6	451.9	153,100	226,400*	57.4	462.9	124,900	232,600*	61.9	469.9	96,900	213,300*					200
205	51.3	447.9	146,500	219,100*	56.2	459.6	119,000	225,200*	60.8	467.0	91,800	206,400*					205
210	50.0	443.7	140,200	212,000*	55.0	456.0	113,400	218,100*	59.6	464.1	87,000	199,800*					210
215	48.6	439.3	134,200	204,800*	53.7	452.4	108,100	211,300*	58.4	461.0	82,300	193,500*					215
220	47.2	434.6	128,400	198,100*	52.4	448.5	103,000	204,900*	57.2	457.8	77,900	187,400*					220
225	45.8	429.8	122,900	191,600*	51.1	444.5	98,200	198,700*	55.9	454.4	73,700	181,600*					225
230	44.3	424.7	117,700	185,300*	49.7	440.2	93,600	192,700*	54.7	450.8	69,600	176,100*	59.2	457.1	46,100	159,700*	230
235	42.8	419.3	112,700	179,200*	48.4	435.8	89,100	187,000*	53.4	447.1	65,800	170,800*	58.0	454.0	42,800	154,700*	235
240	41.3	413.6	107,800	173,400*	47.0	431.1	84,900	181,600*	52.1	443.2	62,100	165,700*	56.8	450.7	39,600	150,000*	240
245	39.7	407.6	103,200	167,800*	45.5	426.2	80,800	176,300*	50.8	439.1	58,500	160,800*	55.5	447.3	36,500	145,400*	245
250	38.0	401.2	98,700	162,500*	44.1	421.1	76,900	171,300*	49.4	434.9	55,100	156,000*	54.3	443.7	33,600	141,000*	250
260	34.5	387.3	90,300	152,500*	41.0	409.9	69,400	161,700*	46.7	425.6	48,600	147,100*	51.7	435.9	28,100	132,500*	260
270	30.6	371.2	82,400	143,600*	37.7	397.4	62,500	152,800*	43.7	415.5	42,600	138,800*	49.0	427.4	23,000	124,700*	270
280	26.2	352.2	75,000	135,700*	34.2	383.3	56,000	144,500*	40.6	404.2	37,000	130,900*	46.2	418.1	18,200	117,400*	280
290	21.0	328.5	67,800	129,000*	30.3	367.0	49,900	136,600*	37.3	391.5	31,700	123,500*	43.3	407.7	13,700	110,500*	290
300	13.8	295.2	60,700	122,900*	25.8	347.7	44,100	129,100*	33.8	377.2	26,800	116,600*	40.1	396.2	9,400	104,100*	300
310					20.5	323.5	38,400	121,900*	29.8	360.6	22,000	110,000*	36.8	383.4	5,400	98,100*	310
320					13.1	288.9	32,700	114,900*	25.3	340.9	17,400	103,800*	33.2	368.7	1,600	92,300*	320
330									19.8	315.9	12,900	97,800*	29.1	351.7		86,900*	330
340									12.0	279.0	8,200	91,800*	24.5	331.3		81,700*	340
350													18.7	305.1		76,600*	350
360													10.1	264.3		71,500*	360

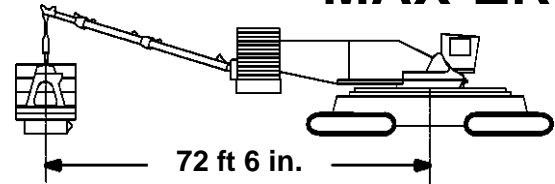


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



220 ft Boom, 300 ft Luffing Jib

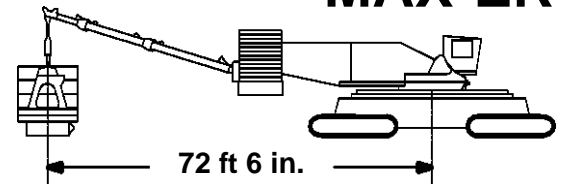
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
155	65.5	503.0	229,100	277,300*	69.4	508.4	190,700	291,400*									155
160	64.4	500.5	217,800	271,200*	68.4	506.4	180,800	291,400*									160
165	63.3	498.0	207,200	264,900*	67.4	504.3	171,400	291,400*									165
170	62.2	495.4	197,400	258,500*	66.3	502.1	162,700	281,800*									170
175	61.2	492.6	188,100	251,900*	65.3	499.8	154,500	271,700*									175
180	60.1	489.7	179,400	244,200*	64.2	497.4	146,800	262,100*									180
185	58.9	486.7	171,100	235,900*	63.1	494.9	139,600	253,100*									185
190	57.8	483.5	163,300	227,600*	62.1	492.2	132,700	244,500*									190
195	56.7	480.2	156,000	219,400*	61.0	489.4	126,200	236,300*	65.0	494.9	96,700	216,100*					195
200	55.5	476.8	149,000	211,400*	59.9	486.5	120,000	228,600*	64.0	492.4	91,300	208,800*					200
205	54.3	473.2	142,400	203,600*	58.7	483.5	114,200	221,200*	62.9	489.9	86,300	201,900*					205
210	53.1	469.5	136,100	195,800*	57.6	480.3	108,600	214,100*	61.8	487.2	81,400	195,400*					210
215	51.9	465.5	130,100	188,300*	56.5	477.0	103,300	207,400*	60.7	484.4	76,800	189,100*					215
220	50.7	461.4	124,300	181,100*	55.3	473.5	98,300	200,900*	59.6	481.4	72,400	183,100*					220
225	49.4	457.1	118,900	174,000*	54.1	469.9	93,500	194,800*	58.5	478.4	68,300	177,300*					225
230	48.1	452.7	113,700	167,300*	52.9	466.1	88,800	188,900*	57.4	475.1	64,300	171,800*					230
235	46.8	448.0	108,700	160,700*	51.7	462.1	84,400	183,200*	56.2	471.8	60,400	166,500*					235
240	45.5	443.1	103,900	154,200*	50.5	458.0	80,200	177,800*	55.0	468.3	56,800	161,400*	59.3	474.5	33,700	145,400*	240
245	44.1	437.9	99,300	147,900*	49.2	453.7	76,200	172,600*	53.9	464.6	53,200	156,600*	58.1	471.3	30,700	140,800*	245
250	42.7	432.5	94,900	141,800*	47.9	449.2	72,300	167,600*	52.7	460.8	49,900	151,900*	57.0	468.1	27,800	136,500*	250
260	39.8	420.9	86,500	130,200*	45.3	439.5	64,900	155,500*	50.2	452.6	43,500	143,000*	54.7	461.1	22,400	128,100*	260
270	36.7	407.9	78,800	119,200*	42.5	428.9	58,100	142,900*	47.6	443.7	37,600	134,800*	52.3	453.5	17,300	120,300*	270
280	33.3	393.2	71,500	109,000*	39.5	417.1	51,700	131,100*	45.0	434.0	32,100	127,000*	49.8	445.3	12,600	113,100*	280
290	29.5	376.4	64,700	99,400*	36.4	404.0	45,800	120,100*	42.2	423.2	26,900	119,700*	47.2	436.2	8,300	106,300*	290
300	25.3	356.6	58,200	90,400*	33.0	389.2	40,200	109,700*	39.2	411.3	22,100	112,900*	44.5	426.3	4,100	100,000*	300
310	20.2	332.0	51,900	82,300*	29.2	372.2	34,800	100,100*	36.0	398.0	17,500	106,500*	41.7	415.4	200	94,100*	310
320	13.4	297.5	45,700	75,500*	24.9	352.1	29,700	91,200*	32.6	383.0	13,100	100,400*	38.7	403.3		88,400*	320
330					19.7	326.9	24,700	83,000*	28.7	365.7	8,900	94,600*	35.5	389.7		83,100*	330
340					12.6	291.0	19,600	75,900*	24.4	345.1	4,900	89,100*	32.0	374.4		78,100*	340
350									19.1	319.2	900	83,100*	28.1	356.7		73,300*	350
360									11.5	281.0		76,100*	23.6	335.4		68,600*	360
370													18.1	308.3		64,100*	370
380													9.8	265.9		59,400*	380

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



240 ft Boom, 120 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
65				c													65
70				c													70
75				c													75
80				c													80
85	63.8	357.6	560,000	703,200*b													85
90	61.1	354.8	520,600	662,400*b													90
95	58.3	351.7	485,700	625,600*b													95
100	55.4	348.2	454,600	592,400*b													100
105	52.4	344.4	426,600	562,300*b	64.3	355.1	375,200	528,400*b									105
110	49.2	340.0	401,400	534,700*	61.6	352.4	352,800	502,500*b									110
115	45.9	335.2	378,400	509,400*	58.8	349.3	332,500	478,800*b									115
120	42.4	329.8	357,400	486,100*	55.9	345.9	314,000	457,000*b									120
125	38.6	323.5	338,100	464,600*	52.9	342.1	297,000	436,900*b	64.6	350.6	255,100	408,700*b					125
130	34.4	316.4	320,200	444,500*	49.8	337.9	281,400	418,200*	61.9	347.9	241,400	391,200*b					130
135	29.7	307.9	303,400	425,700*	46.5	333.2	266,900	400,800*	59.1	344.9	228,800	375,000*b					135
140	24.1	297.3	287,600	408,100*	43.0	327.8	253,400	384,600*	56.2	341.6	217,100	359,900*b					140
145	16.7	282.6	272,200	391,100*	39.3	321.8	240,800	369,400*	53.3	337.8	206,200	345,800*b					145
150					35.2	314.8	228,900	355,100*	50.2	333.6	196,000	332,500*					150
155					30.6	306.6	217,600	341,500*	46.9	329.0	186,400	320,000*	59.2	338.4	154,300	298,000*b	155
160					25.2	296.5	206,800	328,600*	43.4	323.7	177,400	308,300*	56.3	335.1	146,600	287,000*b	160
165					18.2	282.8	196,100	316,200*	39.7	317.7	168,900	297,100*	53.3	331.3	139,400	276,800*b	165
170					2.9	251.2	183,400	302,700*	35.7	310.9	160,700	286,600*	50.2	327.2	132,500	267,000*	170
175									31.1	302.8	152,900	276,500*	46.9	322.5	126,000	257,800*	175
180									25.9	293.0	145,200	266,800*	43.5	317.2	119,800	249,000*	180
185									19.2	279.9	137,600	257,300*	39.8	311.3	113,900	240,600*	185
190									7.3	255.6	128,800	247,300*	35.7	304.5	108,100	232,600*	190
195													31.2	296.4	102,500	224,800*	195
200													25.9	286.6	97,000	217,300*	200
205													19.3	273.6	91,300	209,900*	205
210													7.7	249.8	84,700	202,000*	210

Capacities indicated by (b) require 37,000 lb minimum weight suspended beneath luffing jib point.

Do not luff into area indicated by (c) with 37,000 lb minimum weight (see CAUTION on page 1).

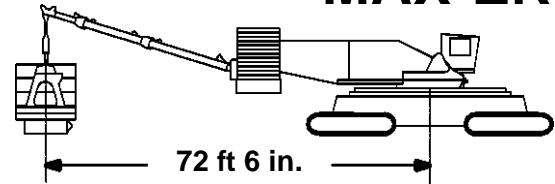


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



240 ft Boom, 140 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
70				c													70
75				c													75
80				c													80
85	67.8	379.8	559,600	673,200*b													85
90	65.6	377.5	520,000	655,800*b													90
95	63.3	374.9	484,900	622,700*b													95
100	60.9	372.1	453,800	589,600*b													100
105	58.5	369.0	425,800	559,600*b	68.2	377.2	371,900	524,200*b									105
110	56.1	365.7	400,600	532,200*	66.0	374.9	349,600	498,500*b									110
115	53.5	362.0	377,800	507,100*	63.7	372.4	329,400	475,000*b									115
120	50.9	357.9	356,900	484,000*	61.4	369.7	310,900	453,400*b									120
125	48.1	353.4	337,800	462,700*	59.0	366.7	294,100	433,400*b									125
130	45.3	348.5	320,300	442,900*	56.5	363.3	278,600	414,900*									130
135	42.2	343.0	304,000	423,200*	54.0	359.7	264,300	397,700*	64.0	368.0	224,100	370,600*b					135
140	39.0	336.9	288,900	402,300*	51.4	355.7	251,000	381,700*	61.6	365.2	212,600	355,600*b					140
145	35.5	329.9	274,800	383,000*	48.6	351.3	238,700	366,700*	59.3	362.2	201,900	341,700*b					145
150	31.7	322.0	261,500	365,400*	45.8	346.4	227,100	352,700*	56.8	359.0	191,900	328,600*					150
155	27.3	312.6	248,900	349,400*	42.8	341.1	216,300	339,500*	54.3	355.4	182,500	316,300*					155
160	22.2	301.1	236,900	335,900*	39.6	335.1	206,200	327,000*	51.7	351.4	173,800	304,800*					160
165	15.3	285.1	225,000	325,300*	36.2	328.3	196,500	315,300*	49.0	347.0	165,500	293,900*	59.3	355.8	134,100	272,300*b	165
170					32.4	320.6	187,400	304,100*	46.1	342.2	157,700	283,500*	56.8	352.5	127,500	262,700*	170
175					28.2	311.5	178,600	293,500*	43.1	336.9	150,300	273,800*	54.3	348.9	121,200	253,600*	175
180					23.2	300.5	170,100	283,200*	40.0	331.0	143,300	264,500*	51.7	344.9	115,200	245,000*	180
185					16.8	285.6	161,600	273,200*	36.6	324.4	136,500	255,600*	49.0	340.6	109,600	236,900*	185
190					2.5	251.2	151,200	262,300*	32.8	316.7	130,100	247,200*	46.2	335.8	104,200	229,100*	190
195									28.7	307.9	123,800	239,000*	43.2	330.5	99,000	221,700*	195
200									23.8	297.1	117,600	231,100*	40.0	324.6	94,100	214,600*	200
205									17.6	282.8	111,400	223,400*	36.6	317.9	89,300	207,800*	205
210									6.6	256.5	104,200	215,100*	32.9	310.3	84,600	201,200*	210
215													28.7	301.5	80,100	194,800*	215
220													23.9	290.7	75,500	188,600*	220
225													17.7	276.5	70,900	182,500*	225
230													7.0	250.8	65,200	175,700*	230

Capacities indicated by (b) require 37,000 lb minimum weight suspended beneath luffing jib point.

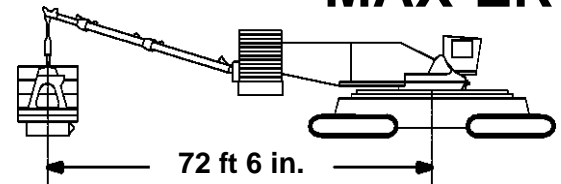
Do not luff into area indicated by (c) with 37,000 lb minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



240 ft Boom, 160 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
90	68.8	399.4	518,700	616,000* b													90
95	66.9	397.2	483,600	594,000* b													95
100	64.9	394.8	452,400	571,000* b													100
105	62.9	392.2	424,500	547,500* b													105
110	60.8	389.4	399,300	523,900*	69.2	396.8	346,600	495,400* b									110
115	58.7	386.4	376,500	500,400*	67.2	394.6	326,500	472,000* b									115
120	56.6	383.1	355,800	477,400*	65.3	392.3	308,100	450,500* b									120
125	54.4	379.5	336,800	455,000*	63.2	389.8	291,400	430,600* b									125
130	52.1	375.6	319,300	433,400*	61.2	387.0	276,000	412,200*									130
135	49.8	371.3	303,200	412,700*	59.1	384.0	261,800	395,100*									135
140	47.3	366.7	288,300	393,000*	57.0	380.7	248,600	379,200*									140
145	44.8	361.7	274,500	374,300*	54.8	377.2	236,400	364,400*	63.5	385.3	198,300	338,500* b					145
150	42.1	356.2	261,500	356,700*	52.5	373.3	225,100	350,500*	61.4	382.6	188,400	325,500*					150
155	39.3	350.1	249,400	340,200*	50.2	369.2	214,400	337,400*	59.3	379.6	179,200	313,400*					155
160	36.3	343.4	238,000	324,800*	47.8	364.6	204,500	325,200*	57.2	376.4	170,600	301,900*					160
165	33.1	335.9	227,300	310,600*	45.2	359.7	195,100	313,600*	55.0	372.8	162,500	291,100*					165
170	29.5	327.2	217,100	297,600*	42.6	354.3	186,300	302,700*	52.8	369.0	154,800	281,000*					170
175	25.4	317.1	207,300	285,900*	39.8	348.3	177,900	292,300*	50.5	364.9	147,600	271,300*	59.4	373.1	117,300	250,400*	175
180	20.6	304.6	197,900	275,900*	36.9	341.7	170,000	282,400*	48.0	360.4	140,800	262,200*	57.2	369.9	111,500	241,900*	180
185	14.2	287.4	188,400	268,400*	33.7	334.3	162,400	273,100*	45.5	355.5	134,300	253,500*	55.1	366.4	106,000	233,900*	185
190					30.2	325.9	155,200	264,100*	42.9	350.1	128,200	245,300*	52.8	362.5	100,800	226,200*	190
195					26.2	316.1	148,200	255,500*	40.2	344.3	122,300	237,400*	50.5	358.4	95,800	218,900*	195
200					21.6	304.1	141,300	247,200*	37.2	337.7	116,600	229,900*	48.1	353.9	91,000	212,000*	200
205					15.6	288.2	134,400	239,000*	34.0	330.5	111,200	222,700*	45.6	349.0	86,500	205,300*	205
210					2.1	251.1	125,700	229,900*	30.6	322.2	106,000	215,700*	43.0	343.7	82,100	199,000*	210
215									26.7	312.5	100,800	209,000*	40.2	337.8	77,900	192,900*	215
220									22.2	300.9	95,800	202,500*	37.3	331.3	73,900	187,000*	220
225									16.4	285.6	90,600	196,000*	34.1	324.0	70,000	181,400*	225
230									6.1	257.4	84,500	189,000*	30.6	315.7	66,100	175,900*	230
235													26.8	306.1	62,300	170,500*	235
240													22.2	294.5	58,500	165,200*	240
245													16.5	279.3	54,600	159,900*	245
250													6.4	251.6	49,800	154,100*	250

Capacities indicated by (b) require
37,000 lb minimum weight
suspended beneath luffing jib point.

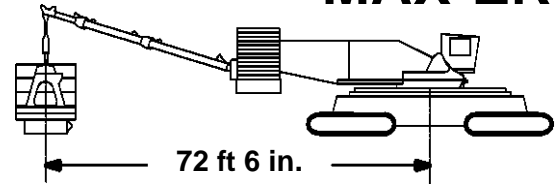


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



240 ft Boom, 180 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
100	67.9	416.8	450,900	532,800* b													100
105	66.1	414.6	422,800	514,400* b													105
110	64.4	412.2	397,400	495,500*													110
115	62.6	409.6	374,500	476,300*	69.9	416.3	322,700	467,500* b									115
120	60.7	406.7	353,600	457,100*	68.2	414.3	304,300	446,100* b									120
125	58.9	403.7	334,600	437,800*	66.4	412.1	287,500	426,300* b									125
130	57.0	400.5	317,100	419,200*	64.7	409.7	272,100	408,000*									130
135	55.0	396.9	301,000	400,800*	62.9	407.1	257,900	391,000*									135
140	53.0	393.2	286,100	383,000*	61.1	404.3	244,800	375,200*									140
145	51.0	389.1	272,300	365,900*	59.2	401.3	232,600	360,400*									145
150	48.9	384.7	259,400	349,400*	57.3	398.1	221,300	346,600*	64.9	405.2	183,200	320,800*					150
155	46.7	380.0	247,400	333,800*	55.4	394.6	210,700	333,700*	63.1	402.6	174,100	308,700*					155
160	44.4	375.0	236,200	318,900*	53.4	390.9	200,900	321,500*	61.3	399.9	165,500	297,400*					160
165	42.0	369.4	225,600	304,900*	51.4	386.9	191,600	310,000*	59.4	396.9	157,500	286,700*					165
170	39.5	363.4	215,600	291,600*	49.3	382.6	182,900	299,200*	57.5	393.7	150,000	276,600*					170
175	36.9	356.8	206,200	279,200*	47.1	378.0	174,700	289,000*	55.6	390.3	142,900	267,100*					175
180	34.1	349.5	197,300	267,600*	44.8	372.9	166,900	279,300*	53.6	386.6	136,200	258,100*					180
185	31.1	341.4	188,800	256,900*	42.5	367.5	159,500	270,100*	51.6	382.6	129,800	249,500*	59.4	390.4	100,200	229,100*	185
190	27.7	332.1	180,700	247,100*	40.0	361.6	152,500	261,300*	49.5	378.3	123,800	241,400*	57.6	387.2	95,100	221,500*	190
195	23.9	321.2	172,800	238,400*	37.4	355.1	145,800	252,900*	47.3	373.7	118,000	233,600*	55.6	383.8	90,300	214,400*	195
200	19.4	307.9	165,200	230,900*	34.6	347.9	139,400	245,000*	45.1	368.8	112,600	226,200*	53.7	380.1	85,700	207,500*	200
205	13.3	289.6	157,400	225,400*	31.6	340.0	133,300	237,300*	42.7	363.4	107,400	219,200*	51.6	376.1	81,200	201,000*	205
210					28.3	330.9	127,400	230,000*	40.3	357.5	102,400	212,400*	49.5	371.9	77,000	194,700*	210
215					24.6	320.4	121,600	222,900*	37.7	351.1	97,600	206,000*	47.4	367.3	73,000	188,800*	215
220					20.3	307.6	115,900	216,000*	35.0	344.0	92,900	199,700*	45.1	362.3	69,100	183,000*	220
225					14.6	290.6	110,200	209,100*	32.0	336.1	88,500	193,700*	42.8	356.9	65,400	177,500*	225
230					1.9	251.0	102,800	201,400*	28.7	327.2	84,100	188,000*	40.3	351.1	61,800	172,300*	230
235									25.1	316.9	79,800	182,300*	37.7	344.6	58,300	167,200*	235
240									20.8	304.5	75,500	176,800*	35.0	337.6	54,900	162,200*	240
245									15.4	288.1	71,200	171,300*	32.0	329.7	51,700	157,300*	245
250									5.7	258.1	65,900	165,400*	28.8	320.8	48,400	152,600*	250
260													20.9	298.1	42,000	143,500*	260
270													6.0	252.5	34,400	133,900*	270

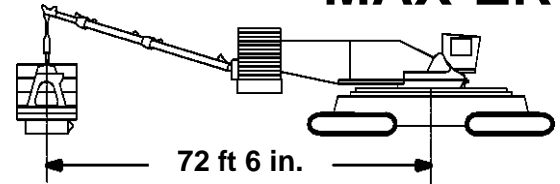
Capacities indicated by **(b)** require 37,000 lb minimum weight suspended beneath luffing jib point.

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



240 ft Boom, 200 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet	
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds		
115	65.5	432.0	372,000	449,200*													115	
120	63.9	429.5	351,200	433,600*													120	
125	62.3	426.9	332,100	417,700*	68.9	433.8	283,900	422,900*									125	
130	60.7	424.1	314,700	401,900*	67.4	431.7	268,500	404,700*									130	
135	59.0	421.0	298,600	386,200*	65.8	429.5	254,400	387,800*									135	
140	57.3	417.8	283,700	370,700*	64.2	427.0	241,300	372,000*									140	
145	55.5	414.4	269,900	355,600*	62.6	424.4	229,200	357,300*									145	
150	53.8	410.7	257,100	340,900*	61.0	421.6	217,900	343,600*									150	
155	51.9	406.8	245,200	326,600*	59.3	418.6	207,400	330,700*									155	
160	50.1	402.6	234,000	312,800*	57.6	415.5	197,600	318,600*	64.4	422.6	161,400	293,900*					160	
165	48.2	398.1	223,500	299,600*	55.9	412.1	188,400	307,200*	62.8	420.0	153,400	283,300*					165	
170	46.2	393.3	213,700	286,900*	54.1	408.4	179,800	296,400*	61.1	417.2	145,900	273,300*					170	
175	44.1	388.2	204,400	275,000*	52.3	404.6	171,600	286,300*	59.5	414.2	138,900	263,800*					175	
180	42.0	382.6	195,600	263,600*	50.4	400.4	163,900	276,600*	57.8	411.1	132,300	254,800*					180	
185	39.7	376.7	187,300	252,900*	48.5	396.0	156,700	267,500*	56.1	407.7	126,000	246,300*					185	
190	37.4	370.2	179,400	242,700*	46.5	391.3	149,800	258,800*	54.3	404.1	120,100	238,300*					190	
195	34.9	363.1	171,900	233,200*	44.5	386.2	143,300	250,600*	52.5	400.2	114,400	230,600*	59.5	407.7	85,900	210,800*	195	
200	32.3	355.3	164,800	224,400*	42.4	380.7	137,000	242,700*	50.6	396.1	109,100	223,300*	57.8	404.6	81,300	204,000*	200	
205	29.4	346.6	157,900	216,200*	40.2	374.8	131,100	235,200*	48.7	391.7	104,000	216,300*	56.1	401.2	77,000	197,600*	205	
210	26.2	336.7	151,200	208,700*	37.8	368.4	125,400	228,000*	46.8	387.0	99,100	209,700*	54.3	397.6	72,900	191,400*	210	
215	22.6	325.2	144,800	202,000*	35.4	361.5	119,900	221,100*	44.7	382.0	94,400	203,300*	52.5	393.8	69,000	185,500*	215	
220	18.3	311.0	138,500	196,300*	32.7	353.8	114,700	214,500*	42.6	376.6	90,000	197,200*	50.7	389.7	65,200	179,900*	220	
225	12.6	291.7	132,000	192,000*	29.9	345.3	109,600	208,200*	40.4	370.7	85,700	191,300*	48.8	385.3	61,600	174,500*	225	
230					26.8	335.6	104,700	202,000*	38.1	364.4	81,500	185,700*	46.8	380.6	58,100	169,300*	230	
235					23.3	324.4	99,900	196,000*	35.7	357.5	77,500	180,300*	44.8	375.5	54,800	164,300*	235	
240					19.2	310.9	95,100	190,200*	33.1	349.9	73,700	175,000*	42.6	370.1	51,500	159,400*	240	
245					13.8	292.9	90,200	184,400*	30.3	341.5	69,900	170,000*	40.4	364.3	48,400	154,700*	245	
250					1.7	250.9	83,900	177,800*	27.2	332.0	66,200	165,100*	38.1	358.0	45,400	150,100*	250	
260									19.7	307.8	59,000	155,500*	33.1	343.5	39,600	141,500*	260	
270									5.3	258.9	50,700	145,500*	27.2	325.6	34,100	133,300*	270	
280																	280	
290														5.6	253.3	21,900	117,100*	290

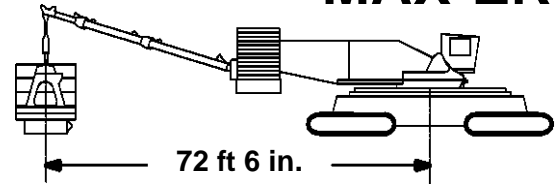


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



240 ft Boom, 220 ft Luffing Jib

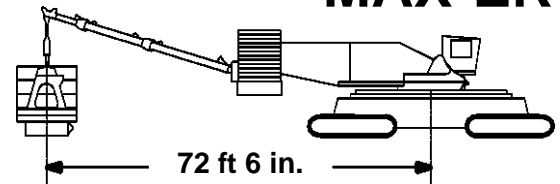
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet	
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds		
125	65.0	449.4	328,400	394,200*													125	
130	63.6	446.9	310,900	381,300*	69.5	453.4	263,400	400,200*									130	
135	62.1	444.2	294,800	368,200*	68.1	451.4	249,300	383,300*									135	
140	60.6	441.4	280,000	355,200*	66.7	449.2	236,300	367,600*									140	
145	59.1	438.4	266,200	342,200*	65.3	446.9	224,200	353,000*									145	
150	57.5	435.2	253,400	329,400*	63.8	444.4	213,000	339,300*									150	
155	56.0	431.8	241,500	316,800*	62.4	441.8	202,500	326,500*									155	
160	54.4	428.2	230,400	304,600*	60.9	439.0	192,800	314,400*									160	
165	52.7	424.4	219,900	292,700*	59.4	436.0	183,600	303,100*									165	
170	51.0	420.3	210,100	281,100*	57.8	432.8	175,100	292,400*	64.0	439.9	140,200	268,600*					170	
175	49.3	416.0	200,900	270,000*	56.2	429.5	167,000	282,300*	62.5	437.3	133,200	259,200*					175	
180	47.6	411.5	192,200	259,300*	54.6	425.9	159,400	272,700*	61.0	434.5	126,700	250,300*					180	
185	45.7	406.6	184,000	249,000*	53.0	422.1	152,200	263,700*	59.5	431.6	120,500	241,800*					185	
190	43.9	401.4	176,200	239,300*	51.3	418.1	145,400	255,000*	58.0	428.4	114,600	233,800*					190	
195	41.9	395.9	168,800	230,000*	49.6	413.9	138,900	246,900*	56.4	425.1	109,100	226,200*					195	
200	39.9	389.9	161,800	221,100*	47.9	409.4	132,800	239,100*	54.8	421.6	103,800	219,000*					200	
205	37.8	383.5	155,100	212,800*	46.1	404.6	126,900	231,600*	53.2	417.8	98,700	212,100*	59.5	425.1	70,900	192,800*	205	
210	35.6	376.6	148,700	204,900*	44.2	399.4	121,300	224,500*	51.5	413.8	94,000	205,500*	58.0	421.9	66,900	186,700*	210	
215	33.2	369.0	142,500	197,600*	42.3	394.0	116,000	217,700*	49.8	409.6	89,400	199,200*	56.4	418.6	63,000	180,800*	215	
220	30.7	360.7	136,600	190,700*	40.3	388.1	110,900	211,200*	48.1	405.1	85,000	193,200*	54.9	415.1	59,400	175,200*	220	
225	27.9	351.5	130,900	184,300*	38.2	381.8	106,000	205,000*	46.3	400.4	80,800	187,400*	53.2	411.3	55,800	169,900*	225	
230	24.9	341.0	125,400	178,500*	36.0	374.9	101,300	199,000*	44.4	395.3	76,800	181,800*	51.6	407.4	52,500	164,800*	230	
235	21.5	328.9	120,000	173,300*	33.6	367.5	96,800	193,200*	42.5	389.8	73,000	176,500*	49.9	403.1	49,200	159,900*	235	
240	17.4	314.0	114,700	168,900*	31.1	359.3	92,400	187,700*	40.5	384.0	69,200	171,400*	48.1	398.6	46,100	155,100*	240	
245	12.0	293.7	109,200	165,700*	28.5	350.3	88,100	182,300*	38.4	377.7	65,600	166,400*	46.3	393.9	43,100	150,500*	245	
250					25.5	340.1	84,000	177,100*	36.2	371.0	62,200	161,700*	44.5	388.8	40,200	146,000*	250	
260					18.2	314.0	75,800	167,000*	31.4	355.5	55,500	152,600*	40.5	377.5	34,700	137,600*	260	
270					1.5	250.8	66,000	156,200*	25.8	336.5	49,200	143,900*	36.3	364.5	29,500	129,700*	270	
280									18.7	311.0	42,900	135,600*	31.5	349.1	24,500	122,200*	280	
290									5.0	259.6	35,700	126,800*	25.9	330.2	19,800	115,200*	290	
300																		300
310														18.8	304.7	14,900	108,400*	310
														5.3	254.0	9,100	101,100*	310

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



240 ft Boom, 240 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet	
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds		
135	64.6	466.8	291,300	349,100*													135	
140	63.3	464.2	276,400	338,400*	68.8	470.9	231,900	363,800*									140	
145	61.9	461.5	262,600	327,700*	67.5	468.8	219,900	349,200*									145	
150	60.5	458.7	249,800	317,000*	66.2	466.6	208,700	335,600*									150	
155	59.2	455.7	237,900	306,200*	64.9	464.2	198,200	322,800*									155	
160	57.7	452.5	226,800	295,600*	63.5	461.7	188,500	310,800*									160	
165	56.3	449.2	216,400	285,200*	62.2	459.1	179,300	299,400*									165	
170	54.8	445.7	206,600	274,900*	60.8	456.3	170,800	288,800*									170	
175	53.4	441.9	197,400	265,000*	59.4	453.3	162,700	278,700*	65.0	459.7	128,300	255,200*					175	
180	51.8	438.0	188,700	255,300*	58.0	450.2	155,100	269,200*	63.7	457.3	121,800	246,300*					180	
185	50.3	433.9	180,500	245,900*	56.6	446.9	148,000	260,200*	62.3	454.6	115,700	237,900*					185	
190	48.7	429.5	172,800	236,800*	55.1	443.4	141,200	251,600*	61.0	451.8	109,800	230,000*					190	
195	47.1	424.8	165,400	228,100*	53.6	439.7	134,800	243,400*	59.6	448.9	104,300	222,400*					195	
200	45.4	419.9	158,500	219,700*	52.1	435.8	128,700	235,700*	58.2	445.8	99,100	215,200*					200	
205	43.7	414.7	151,800	211,600*	50.6	431.7	122,900	228,300*	56.7	442.5	94,100	208,300*					205	
210	41.9	409.1	145,500	204,000*	49.0	427.3	117,400	221,200*	55.3	439.0	89,400	201,800*					210	
215	40.0	403.2	139,500	196,700*	47.4	422.7	112,100	214,500*	53.8	435.3	84,800	195,500*	59.6	442.4	57,900	176,800*	215	
220	38.1	396.8	133,700	189,800*	45.7	417.8	107,100	208,000*	52.3	431.5	80,500	189,500*	58.2	439.3	54,300	171,300*	220	
225	36.1	390.0	128,100	183,200*	44.0	412.7	102,300	201,900*	50.7	427.4	76,400	183,800*	56.8	436.0	50,800	166,000*	225	
230	34.0	382.7	122,800	177,000*	42.2	407.2	97,600	195,900*	49.2	423.0	72,400	178,300*	55.3	432.5	47,500	160,900*	230	
235	31.7	374.7	117,700	171,200*	40.4	401.3	93,200	190,200*	47.6	418.5	68,600	173,000*	53.8	428.9	44,300	156,000*	235	
240	29.3	365.9	112,700	165,800*	38.5	395.1	88,900	184,800*	45.9	413.6	65,000	168,000*	52.3	425.0	41,200	151,300*	240	
245	26.7	356.2	108,000	160,800*	36.5	388.3	84,800	179,500*	44.2	408.5	61,500	163,100*	50.8	420.9	38,300	146,800*	245	
250	23.8	345.2	103,300	156,200*	34.4	381.1	80,900	174,400*	42.4	403.0	58,100	158,400*	49.2	416.6	35,500	142,400*	250	
260	16.6	316.9	94,100	148,800*	29.8	364.6	73,300	164,700*	38.7	391.0	51,700	149,500*	45.9	407.2	30,100	134,000*	260	
270					24.4	344.4	66,100	155,600*	34.6	377.2	45,700	141,100*	42.4	396.6	25,100	126,200*	270	
280					17.4	317.0	59,000	146,900*	30.0	360.9	39,900	133,100*	38.7	384.6	20,400	119,000*	280	
290					1.3	250.7	50,400	137,300*	24.7	340.9	34,400	125,600*	34.6	370.7	15,900	112,100*	290	
300									17.9	314.1	29,000	118,300*	30.1	354.5	11,600	105,700*	300	
310									4.8	260.3	22,500	110,600*	24.7	334.5	7,400	99,500*	310	
320														17.9	307.8	3,200	93,500*	320
330														5.0	254.8		87,000*	330

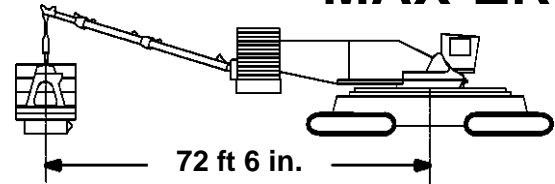


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



240 ft Boom, 260 ft Luffing Jib

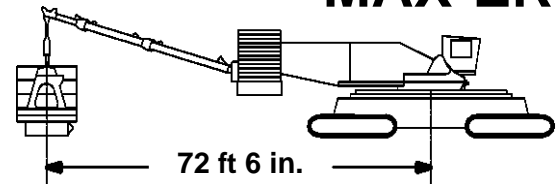
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
145	64.3	484.1	259,800	309,600*	69.3	490.5	215,800	344,800*									145
150	63.0	481.6	246,900	300,800*	68.1	488.4	204,500	331,200*									150
155	61.8	478.9	234,900	292,200*	66.9	486.3	194,000	318,400*									155
160	60.5	476.0	223,700	283,200*	65.7	484.0	184,200	306,500*									160
165	59.2	473.0	213,200	274,300*	64.5	481.6	175,100	295,200*									165
170	57.9	469.9	203,400	265,500*	63.2	479.1	166,500	284,600*									170
175	56.6	466.6	194,200	256,700*	62.0	476.4	158,400	274,500*									175
180	55.3	463.1	185,400	248,100*	60.7	473.6	150,800	265,100*									180
185	53.9	459.5	177,200	239,700*	59.5	470.6	143,700	256,100*	64.6	477.1	110,400	233,300*					185
190	52.5	455.6	169,500	231,500*	58.2	467.5	136,900	247,500*	63.4	474.6	104,500	225,400*					190
195	51.1	451.6	162,100	223,500*	56.8	464.2	130,500	239,400*	62.1	472.0	99,000	217,800*					195
200	49.6	447.3	155,100	215,700*	55.5	460.8	124,400	231,700*	60.9	469.1	93,800	210,700*					200
205	48.2	442.9	148,500	208,200*	54.1	457.2	118,600	224,400*	59.6	466.2	88,900	203,900*					205
210	46.6	438.1	142,200	201,000*	52.8	453.4	113,100	217,400*	58.3	463.1	84,200	197,400*					210
215	45.1	433.1	136,200	194,100*	51.3	449.4	107,800	210,700*	57.0	459.9	79,700	191,200*					215
220	43.5	427.9	130,400	187,400*	49.9	445.1	102,800	204,300*	55.7	456.4	75,400	185,200*					220
225	41.8	422.3	124,900	181,000*	48.4	440.7	98,000	198,100*	54.3	452.8	71,300	179,500*	59.6	459.7	44,900	161,200*	225
230	40.1	416.4	119,700	174,900*	46.9	436.0	93,500	192,200*	52.9	449.0	67,400	174,100*	58.3	456.6	41,600	156,200*	230
235	38.4	410.1	114,600	169,100*	45.4	431.1	89,100	186,600*	51.5	445.1	63,600	168,900*	57.0	453.4	38,500	151,300*	235
240	36.5	403.4	109,800	163,500*	43.8	425.9	84,900	181,200*	50.1	440.9	60,000	163,800*	55.7	449.9	35,500	146,700*	240
245	34.6	396.2	105,100	158,300*	42.1	420.4	80,800	176,000*	48.6	436.5	56,600	159,000*	54.3	446.3	32,600	142,200*	245
250	32.6	388.5	100,600	153,300*	40.5	414.6	76,900	171,000*	47.1	431.8	53,200	154,400*	52.9	442.5	29,800	137,900*	250
260	28.1	370.9	92,000	144,300*	36.9	401.7	69,500	161,400*	44.0	421.7	46,900	145,600*	50.1	434.4	24,600	129,700*	260
270	22.8	349.2	83,800	136,700*	32.9	387.0	62,600	152,600*	40.6	410.5	41,100	137,300*	47.1	425.4	19,700	122,000*	270
280	15.9	319.6	75,900	130,800*	28.5	369.7	56,100	144,200*	37.1	397.7	35,600	129,600*	44.0	415.3	15,100	114,800*	280
290					23.4	348.4	49,800	136,300*	33.2	383.1	30,400	122,200*	40.7	404.0	10,800	108,100*	290
300					16.7	319.9	43,600	128,500*	28.8	366.0	25,400	115,300*	37.1	391.3	6,700	101,900*	300
310					1.2	250.5	35,900	120,000*	23.7	345.0	20,600	108,800*	33.2	376.7	2,800	95,900*	310
320									17.1	317.0	15,800	102,400*	28.8	359.6		90,200*	320
330									4.5	260.9	10,000	95,500*	23.7	338.6		84,800*	330
340													17.2	310.7		79,500*	340
350													4.8	255.5		73,700*	350

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



240 ft Boom, 280 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
155	64.0	501.5	231,500	275,800*	68.7	508.0	189,900	312,000*									155
160	62.8	498.9	220,300	268,500*	67.5	505.9	180,100	303,000*									160
165	61.6	496.2	209,800	261,200*	66.4	503.7	171,000	291,700*									165
170	60.5	493.3	200,000	253,900*	65.3	501.4	162,400	281,100*									170
175	59.3	490.4	190,800	246,500*	64.2	499.0	154,400	271,100*									175
180	58.1	487.2	182,100	239,100*	63.0	496.4	146,800	261,700*									180
185	56.8	484.0	173,900	231,700*	61.9	493.7	139,600	252,700*									185
190	55.6	480.5	166,100	224,500*	60.7	490.9	132,900	244,200*									190
195	54.3	476.9	158,800	217,300*	59.5	488.0	126,500	236,100*	64.3	494.5	94,500	214,200*					195
200	53.1	473.2	151,800	210,500*	58.3	484.9	120,400	228,500*	63.1	492.0	89,300	207,100*					200
205	51.8	469.2	145,200	203,500*	57.1	481.6	114,700	221,100*	62.0	489.3	84,400	200,300*					205
210	50.4	465.1	138,900	197,000*	55.8	478.2	109,200	214,200*	60.8	486.5	79,700	193,800*					210
215	49.1	460.8	132,900	190,600*	54.6	474.6	104,000	207,500*	59.6	483.5	75,300	187,600*					215
220	47.7	456.2	127,200	184,400*	53.3	470.9	99,000	201,100*	58.4	480.5	71,000	181,700*					220
225	46.3	451.4	121,800	178,300*	52.0	467.0	94,300	195,000*	57.2	477.2	67,000	176,100*					225
230	44.8	446.4	116,500	172,500*	50.7	462.9	89,700	189,200*	56.0	473.8	63,100	170,600*					230
235	43.3	441.1	111,500	166,900*	49.3	458.6	85,400	183,600*	54.7	470.3	59,400	165,500*	59.6	477.0	33,800	147,600*	235
240	41.8	435.5	106,700	161,400*	48.0	454.1	81,200	178,200*	53.4	466.6	55,800	160,500*	58.4	474.0	30,800	143,000*	240
245	40.2	429.7	102,100	156,300*	46.5	449.4	77,200	173,000*	52.1	462.7	52,400	155,700*	57.2	470.7	27,900	138,600*	245
250	38.6	423.4	97,700	151,400*	45.1	444.4	73,300	168,000*	50.8	458.6	49,100	151,100*	56.0	467.3	25,200	134,300*	250
260	35.1	409.8	89,300	142,200*	42.1	433.6	66,100	158,600*	48.1	449.9	42,900	142,300*	53.5	460.1	20,000	126,200*	260
270	31.3	394.1	81,500	134,000*	38.9	421.6	59,300	149,800*	45.3	440.2	37,100	134,200*	50.8	452.1	15,200	118,600*	270
280	27.0	375.7	74,100	126,700*	35.5	408.1	53,000	141,600*	42.3	429.5	31,800	126,600*	48.1	443.4	10,800	111,500*	280
290	22.0	353.0	67,000	120,500*	31.7	392.6	47,000	133,900*	39.1	417.6	26,700	119,400*	45.3	433.7	6,600	104,900*	290
300	15.3	322.2	60,100	115,800*	27.4	374.5	41,300	126,600*	35.7	404.2	21,900	112,600*	42.3	423.0	2,600	98,700*	300
310					22.5	352.4	35,800	119,500*	31.9	388.8	17,400	106,200*	39.1	411.1		92,800*	310
320					16.0	322.6	30,400	112,700*	27.7	370.9	13,000	100,100*	35.7	397.7		87,300*	320
330									22.8	349.0	8,800	94,300*	31.9	382.4		82,100*	330
340									16.5	319.9	4,500	88,700*	27.7	364.5		77,100*	340
350									4.4	261.6		82,600*	22.8	342.6		72,300*	350
360													16.5	313.6		67,500*	360
370													4.6	256.1		62,300*	370

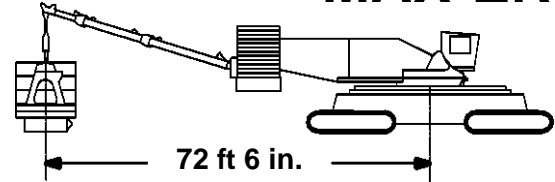


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



240 ft Boom, 300 ft Luffing Jib

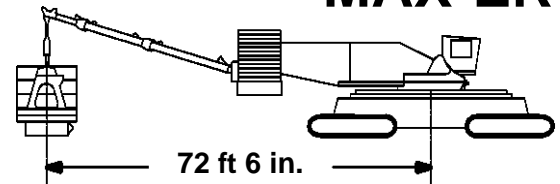
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
165	63.7	518.8	205,600	246,000*	68.1	525.5	165,800	275,300*					165
170	62.6	516.2	195,800	240,100*	67.1	523.4	157,300	275,300*					170
175	61.5	513.5	186,500	234,000*	66.0	521.1	149,200	266,900*					175
180	60.4	510.7	177,800	227,800*	65.0	518.8	141,700	257,400*					180
185	59.3	507.7	169,600	221,700*	63.9	516.3	134,500	248,500*					185
190	58.2	504.6	161,900	215,400*	62.8	513.7	127,800	240,000*					190
195	57.1	501.3	154,600	209,400*	61.7	511.0	121,400	232,000*					195
200	55.9	497.9	147,600	203,300*	60.6	508.2	115,400	224,300*					200
205	54.7	494.4	141,000	197,300*	59.5	505.3	109,700	217,100*	64.0	511.9	78,700	195,700*	205
210	53.6	490.7	134,800	191,400*	58.4	502.2	104,200	210,100*	62.9	509.3	74,000	189,300*	210
215	52.3	486.8	128,800	185,600*	57.3	499.0	99,000	203,500*	61.9	506.6	69,600	183,100*	215
220	51.1	482.8	123,100	179,900*	56.1	495.6	94,100	197,100*	60.8	503.8	65,400	177,300*	220
225	49.9	478.6	117,700	174,300*	55.0	492.1	89,400	191,000*	59.7	500.9	61,400	171,600*	225
230	48.6	474.2	112,500	168,900*	53.8	488.4	84,900	185,200*	58.5	497.8	57,500	166,200*	230
235	47.3	469.6	107,500	162,300*	52.6	484.6	80,600	179,700*	57.4	494.6	53,900	161,100*	235
240	46.0	464.7	102,700	155,900*	51.3	480.6	76,400	174,300*	56.2	491.2	50,300	156,100*	240
245	44.6	459.7	98,200	149,500*	50.1	476.4	72,500	169,200*	55.1	487.7	47,000	151,400*	245
250	43.2	454.4	93,800	143,500*	48.8	472.0	68,600	164,200*	53.9	484.1	43,700	146,800*	250
260	40.3	442.9	85,500	131,900*	46.2	462.7	61,500	154,900*	51.5	476.3	37,600	138,200*	260
270	37.2	430.2	77,800	120,900*	43.5	452.4	54,800	146,200*	49.0	467.8	31,900	130,100*	270
280	33.9	415.8	70,500	110,700*	40.6	441.0	48,600	135,100*	46.4	458.5	26,700	122,600*	280
290	30.2	399.5	63,800	101,000*	37.5	428.4	42,700	123,900*	43.6	448.2	21,700	115,500*	290
300	26.1	380.3	57,300	92,100*	34.2	414.2	37,200	113,300*	40.8	436.9	17,100	108,800*	300
310	21.2	356.7	51,100	83,900*	30.6	398.1	32,000	103,500*	37.7	424.4	12,700	102,500*	310
320	14.8	324.7	45,000	76,600*	26.5	379.2	27,000	94,300*	34.4	410.3	8,500	96,600*	320
330					21.7	356.1	22,200	85,800*	30.8	394.3	4,500	91,000*	330
340					15.5	325.2	17,400	78,300*	26.7	375.6	700	85,600*	340
350									22.0	352.8		80,500*	350
360									15.9	322.6		75,400*	360
370									4.2	262.2		69,900*	370
380													380

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



260 ft Boom, 120 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
70				c													70
75				c													75
80				c													80
85	64.8	378.4	559,000	661,200*b													85
90	62.1	375.7	519,500	642,400*b													90
95	59.3	372.7	484,500	616,200*b													95
100	56.4	369.4	453,400	585,700*b													100
105	53.4	365.7	425,400	555,900*b													105
110	50.3	361.5	400,200	527,200*b	63.5	374.0	345,400	494,900*b									110
115	47.1	356.9	377,200	499,900*	60.8	371.2	325,500	471,600*b									115
120	43.6	351.7	356,300	474,100*	57.9	368.0	307,300	450,100*b									120
125	39.9	345.7	337,000	450,100*	55.0	364.5	290,600	430,200*b									125
130	35.9	338.9	319,100	427,600*	52.0	360.6	275,200	411,900*b	64.7	370.0	230,000	381,400*b					130
135	31.4	331.0	302,500	407,800*	48.8	356.2	260,900	394,700*	62.0	367.4	217,900	365,600*b					135
140	26.2	321.2	286,800	390,200*	45.5	351.3	247,700	378,800*	59.2	364.4	206,600	350,900*b					140
145	19.6	308.4	271,700	375,900*	41.9	345.8	235,400	363,800*	56.4	361.0	196,200	337,100*b					145
150	8.5	285.7	256,000	368,100*	38.1	339.5	223,800	349,800*	53.4	357.3	186,400	324,200*b					150
155					33.8	332.1	212,800	336,500*	50.3	353.1	177,200	312,000*b					155
160					29.0	323.4	202,300	323,900*	47.0	348.5	168,500	300,500*					160
165					23.3	312.5	192,200	311,800*	43.6	343.2	160,400	289,700*	57.4	355.1	126,800	266,600*b	165
170					15.5	296.9	182,000	300,000*	39.8	337.3	152,600	279,400*	54.4	351.5	120,400	257,200*b	170
175									35.8	330.5	145,200	269,700*	51.4	347.5	114,300	248,300*b	175
180									31.3	322.5	138,000	260,300*	48.2	343.1	108,600	239,800*	180
185									26.1	312.7	131,000	251,300*	44.8	338.0	103,100	231,800*	185
190									19.4	299.7	124,000	242,400*	41.2	332.4	97,800	224,100*	190
195									8.1	276.6	115,900	233,200*	37.3	325.9	92,600	216,700*	195
200													32.9	318.3	87,600	209,600*	200
205													28.0	309.3	82,700	202,700*	205
210													22.0	297.7	77,700	195,900*	210
215													13.3	280.3	72,300	188,900*	215

Capacities indicated by (b) require 37,000 lb minimum weight suspended beneath luffing jib point.

Do not luff into area indicated by (c) with 37,000 lb minimum weight (see CAUTION on page 1).

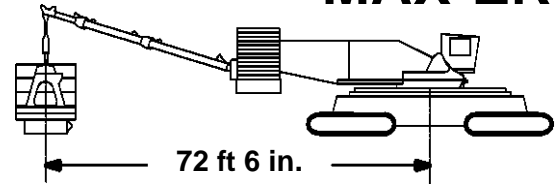


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



260 ft Boom, 140 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
95	64.1	395.8	482,600	580,600*b													95
100	61.8	393.0	451,500	555,300*b													100
105	59.4	390.1	423,600	530,000*b													105
110	56.9	386.8	398,500	505,100*b	67.6	396.2	341,100	490,700*b									110
115	54.4	383.2	375,700	480,700*	65.3	393.9	321,300	467,500*b									115
120	51.8	379.3	355,000	457,200*	63.0	391.3	303,300	446,200*b									120
125	49.1	374.9	336,000	434,700*	60.6	388.5	286,800	426,500*b									125
130	46.3	370.2	318,400	413,400*	58.2	385.4	271,600	408,300*b									130
135	43.3	364.9	302,300	393,200*	55.8	382.0	257,500	391,400*									135
140	40.1	359.0	287,200	374,400*	53.2	378.2	244,600	375,600*	64.0	387.4	201,300	346,300*b					140
145	36.7	352.4	273,200	356,800*	50.5	374.1	232,500	360,900*	61.7	384.7	191,100	332,700*b					145
150	33.0	344.8	260,000	340,800*	47.8	369.5	221,200	347,000*	59.3	381.7	181,500	320,000*b					150
155	28.9	336.0	247,600	326,300*	44.9	364.5	210,600	334,100*	56.9	378.4	172,500	308,000*b					155
160	24.1	325.4	235,700	313,600*	41.8	359.0	200,700	321,800*	54.4	374.8	164,100	296,700*					160
165	18.0	311.4	224,200	303,300*	38.6	352.8	191,300	310,300*	51.8	370.9	156,200	286,100*					165
170	7.7	286.8	211,900	298,100*	35.0	345.8	182,400	299,300*	49.1	366.5	148,700	276,000*					170
175					31.1	337.7	173,900	288,900*	46.2	361.7	141,700	266,500*	57.7	372.5	108,800	243,800*b	175
180					26.7	328.1	165,700	278,900*	43.2	356.4	135,000	257,500*	55.3	369.0	103,300	235,500*	180
185					21.4	316.1	157,700	269,200*	40.1	350.5	128,600	248,900*	52.7	365.2	98,000	227,600*	185
190					14.2	299.2	149,600	259,700*	36.7	343.9	122,400	240,600*	50.0	361.0	93,000	220,100*	190
195									33.0	336.4	116,500	232,800*	47.2	356.4	88,200	213,000*	195
200									28.8	327.5	110,800	225,200*	44.3	351.3	83,600	206,200*	200
205									24.0	316.8	105,100	217,800*	41.2	345.6	79,200	199,600*	205
210									17.9	302.7	99,400	210,600*	37.9	339.2	74,900	193,300*	210
215									7.4	277.6	92,700	202,800*	34.3	332.0	70,800	187,300*	215
220													30.3	323.7	66,700	181,400*	220
225													25.8	313.7	62,700	175,700*	225
230													20.2	301.1	58,500	170,000*	230
235													12.2	282.3	54,000	164,100*	235

Capacities indicated by (b) require 37,000 lb minimum weight suspended beneath luffing jib point.

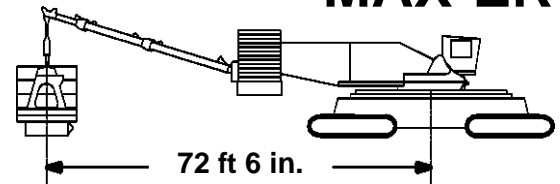
Do not luff into area indicated by (c) with 37,000 lb minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



260 ft Boom, 160 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
105	63.6	413.1	423,500	502,900*b													105
110	61.5	410.4	398,300	482,100*b													110
115	59.5	407.4	375,400	461,300*	68.6	415.8	319,200	464,400*b									115
120	57.3	404.2	354,600	440,800*	66.6	413.6	301,100	443,200*b									120
125	55.1	400.7	335,600	421,000*	64.6	411.3	284,600	423,600*b									125
130	52.9	396.9	318,200	401,600*	62.6	408.6	269,500	405,500*b									130
135	50.6	392.8	302,100	382,900*	60.6	405.8	255,500	388,700*									135
140	48.2	388.3	287,200	365,100*	58.5	402.7	242,600	373,000*									140
145	45.7	383.4	273,300	348,200*	56.3	399.4	230,600	358,400*									145
150	43.1	378.1	260,400	332,200*	54.1	395.7	219,400	344,700*	63.5	404.7	178,200	316,700*b					150
155	40.3	372.2	248,300	317,200*	51.8	391.8	209,000	331,800*	61.5	402.0	169,300	304,800*b					155
160	37.4	365.8	237,000	303,200*	49.5	387.5	199,200	319,800*	59.4	399.0	161,000	293,700*					160
165	34.2	358.5	226,300	290,200*	47.0	382.9	190,000	308,400*	57.3	395.8	153,200	283,100*					165
170	30.8	350.3	216,100	278,200*	44.5	377.8	181,300	297,600*	55.1	392.3	145,900	273,200*					170
175	26.9	340.7	206,400	267,500*	41.8	372.2	173,100	287,400*	52.9	388.5	138,900	263,800*					175
180	22.4	329.2	197,100	258,000*	38.9	366.1	165,400	277,700*	50.5	384.4	132,400	254,900*					180
185	16.7	314.2	187,900	250,600*	35.9	359.3	158,000	268,500*	48.1	379.9	126,200	246,500*	58.0	389.9	94,200	224,400*	185
190	7.1	287.9	178,000	247,000*	32.6	351.6	150,900	259,700*	45.6	375.0	120,300	238,400*	55.9	386.5	89,400	217,000*	190
195					29.0	342.8	144,100	251,300*	43.0	369.7	114,700	230,800*	53.6	382.8	84,700	210,000*	195
200					24.9	332.4	137,500	243,200*	40.3	363.8	109,300	223,400*	51.4	378.8	80,300	203,300*	200
205					19.9	319.5	131,000	235,300*	37.3	357.3	104,100	216,400*	49.0	374.4	76,100	196,900*	205
210					13.2	301.4	124,300	227,400*	34.2	350.0	99,100	209,700*	46.5	369.7	72,000	190,800*	210
215									30.7	341.8	94,300	203,200*	43.9	364.5	68,100	184,900*	215
220									26.8	332.2	89,500	196,900*	41.2	358.8	64,400	179,200*	220
225									22.3	320.7	84,800	190,800*	38.4	352.6	60,700	173,800*	225
230									16.6	305.5	80,000	184,700*	35.3	345.6	57,200	168,600*	230
235									6.8	278.6	74,400	178,200*	31.9	337.7	53,800	163,500*	235
240													28.2	328.7	50,300	158,500*	240
245													24.0	317.9	46,900	153,600*	245
250													18.8	304.3	43,400	148,700*	250

Capacities indicated by (b) require
37,000 lb minimum weight
suspended beneath luffing jib point.

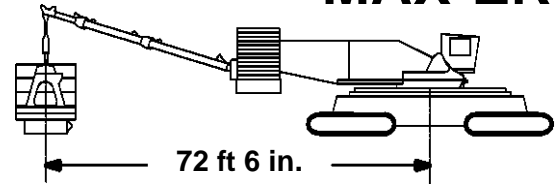


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



260 ft Boom, 180 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
115	63.2	430.4	372,200	438,200*													115
120	61.4	427.7	351,400	420,900*	69.4	435.4	296,100	438,600*b									120
125	59.5	424.7	332,400	403,800*	67.6	433.3	279,700	419,100*b									125
130	57.6	421.5	315,000	387,000*	65.9	431.1	264,600	401,100*b									130
135	55.7	418.1	299,000	370,500*	64.1	428.6	250,700	384,400*									135
140	53.7	414.4	284,200	354,500*	62.3	426.0	237,800	368,800*									140
145	51.7	410.5	270,400	339,000*	60.5	423.1	225,900	354,300*									145
150	49.6	406.2	257,600	324,100*	58.6	420.1	214,900	340,700*									150
155	47.5	401.6	245,700	309,900*	56.7	416.8	204,500	327,900*	64.9	424.6	163,500	300,000*					155
160	45.2	396.7	234,500	296,400*	54.8	413.2	194,900	315,900*	63.2	422.0	155,300	288,900*					160
165	42.9	391.3	224,000	283,500*	52.8	409.4	185,800	304,700*	61.3	419.3	147,600	278,500*					165
170	40.4	385.5	214,100	271,500*	50.7	405.3	177,300	294,000*	59.5	416.3	140,400	268,700*					170
175	37.9	379.1	204,700	260,100*	48.6	400.9	169,200	283,900*	57.6	413.1	133,600	259,400*					175
180	35.1	372.1	195,800	249,500*	46.4	396.2	161,700	274,400*	55.7	409.7	127,200	250,600*					180
185	32.1	364.2	187,400	239,700*	44.1	391.0	154,500	265,300*	53.7	406.0	121,100	242,300*					185
190	28.9	355.4	179,300	230,700*	41.7	385.4	147,600	256,700*	51.7	402.1	115,300	234,300*					190
195	25.3	345.2	171,600	222,600*	39.2	379.4	141,100	248,500*	49.6	397.8	109,800	226,800*	58.3	407.2	78,700	205,200*	195
200	21.1	332.9	164,000	215,600*	36.6	372.7	134,900	240,600*	47.4	393.2	104,600	219,600*	56.3	403.9	74,400	198,600*	200
205	15.7	316.8	156,500	210,000*	33.7	365.3	128,900	233,100*	45.2	388.3	99,600	212,700*	54.4	400.3	70,300	192,300*	205
210	6.7	288.8	148,300	207,600*	30.7	357.0	123,200	225,900*	42.8	382.9	94,900	206,100*	52.4	396.4	66,400	186,300*	210
215					27.3	347.6	117,600	219,000*	40.4	377.0	90,300	199,800*	50.3	392.3	62,600	180,500*	215
220					23.4	336.5	112,100	212,200*	37.8	370.6	85,900	193,800*	48.2	387.8	59,000	175,000*	220
225					18.7	322.7	106,700	205,700*	35.1	363.6	81,600	188,000*	46.0	383.0	55,600	169,700*	225
230					12.4	303.4	101,100	199,100*	32.1	355.8	77,500	182,400*	43.7	377.7	52,300	164,600*	230
235									28.8	346.9	73,500	176,900*	41.2	372.1	49,100	159,700*	235
240									25.2	336.6	69,500	171,600*	38.7	365.9	45,900	155,000*	240
245									21.0	324.3	65,600	166,500*	36.0	359.1	42,900	150,300*	245
250									15.6	308.1	61,500	161,300*	33.1	351.5	40,000	145,800*	250
260													26.5	333.3	34,200	137,200*	260
270													17.7	307.3	28,300	128,800*	270

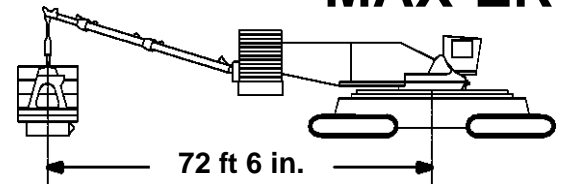
Capacities indicated by (b) require
37,000 lb minimum weight
suspended beneath luffing jib point.

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



260 ft Boom, 200 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
130	61.2	445.0	312,500	370,600*	68.5	452.9	260,800	397,700*									130
135	59.6	442.0	296,500	356,500*	66.9	450.8	247,000	381,000*									135
140	57.9	438.9	281,700	342,400*	65.3	448.4	234,200	365,500*									140
145	56.1	435.5	268,000	328,700*	63.7	446.0	222,300	351,000*									145
150	54.4	431.9	255,200	315,400*	62.1	443.3	211,300	337,500*									150
155	52.6	428.1	243,300	302,500*	60.4	440.4	201,100	324,800*									155
160	50.7	424.0	232,200	290,000*	58.8	437.4	191,500	312,900*									160
165	48.8	419.6	221,800	278,000*	57.1	434.1	182,500	301,700*	64.4	442.0	143,300	274,900*					165
170	46.9	415.0	212,000	266,500*	55.3	430.7	174,000	291,100*	62.8	439.4	136,100	265,200*					170
175	44.8	409.9	202,800	255,500*	53.5	427.0	166,100	281,100*	61.2	436.6	129,400	256,000*					175
180	42.7	404.5	194,100	245,100*	51.7	423.0	158,500	271,600*	59.5	433.7	123,100	247,200*					180
185	40.5	398.7	185,800	235,300*	49.8	418.8	151,400	262,600*	57.8	430.5	117,100	238,900*					185
190	38.2	392.4	178,000	226,000*	47.9	414.3	144,700	254,100*	56.1	427.1	111,400	231,100*					190
195	35.8	385.6	170,500	217,300*	45.9	409.5	138,300	246,000*	54.4	423.5	106,000	223,600*					195
200	33.2	378.0	163,400	209,100*	43.9	404.3	132,200	238,200*	52.5	419.7	100,900	216,500*					200
205	30.4	369.6	156,600	201,600*	41.7	398.7	126,400	230,900*	50.7	415.6	96,000	209,700*	58.4	424.6	65,800	188,700*	205
210	27.4	360.2	150,000	194,700*	39.5	392.6	120,900	223,800*	48.8	411.2	91,400	203,200*	56.7	421.3	62,000	182,700*	210
215	23.9	349.3	143,600	188,400*	37.1	386.1	115,600	217,000*	46.8	406.5	86,900	197,000*	55.0	417.7	58,300	177,100*	215
220	19.9	336.3	137,400	183,100*	34.6	378.9	110,500	210,500*	44.8	401.5	82,600	191,000*	53.2	414.0	54,800	171,600*	220
225	14.9	319.3	131,200	178,900*	31.9	371.0	105,600	204,300*	42.7	396.1	78,500	185,300*	51.3	410.0	51,500	166,400*	225
230	6.3	289.7	124,300	177,200*	29.0	362.1	100,800	198,300*	40.5	390.3	74,600	179,900*	49.5	405.7	48,300	161,400*	230
235					25.8	352.1	96,100	192,400*	38.2	384.0	70,800	174,600*	47.5	401.1	45,200	156,600*	235
240					22.1	340.3	91,600	186,700*	35.7	377.1	67,100	169,500*	45.5	396.2	42,200	152,000*	240
245					17.7	325.8	87,000	181,200*	33.2	369.5	63,600	164,600*	43.4	391.0	39,300	147,500*	245
250					11.7	305.3	82,200	175,500*	30.4	361.1	60,100	159,800*	41.3	385.3	36,500	143,100*	250
260									23.9	340.8	53,300	150,700*	36.6	372.5	31,200	134,800*	260
270									14.7	310.6	46,500	141,700*	31.4	357.1	26,100	127,000*	270
280													25.1	337.7	21,200	119,500*	280
290													16.7	310.1	16,100	112,300*	290



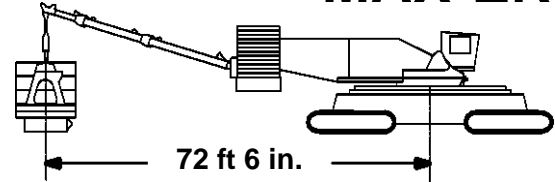
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



260 ft Boom, 220 ft Luffing Jib

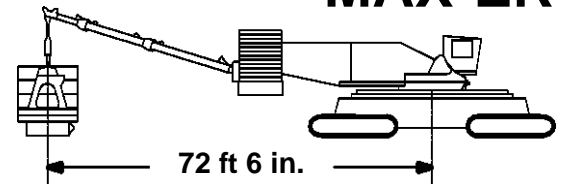
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
140	61.1	462.3	277,800	327,900*	67.7	470.4	229,000	361,000*									140
145	59.6	459.4	264,100	316,000*	66.3	468.2	217,200	346,600*									145
150	58.1	456.2	251,400	304,300*	64.8	465.8	206,200	333,100*									150
155	56.5	452.9	239,600	292,900*	63.4	463.3	196,000	320,500*									155
160	54.9	449.4	228,500	281,700*	61.9	460.6	186,500	308,600*									160
165	53.3	445.7	218,100	270,800*	60.4	457.8	177,500	297,500*									165
170	51.6	441.7	208,400	260,300*	58.9	454.7	169,100	286,900*									170
175	49.9	437.5	199,200	250,100*	57.3	451.5	161,200	277,000*	64.0	459.3	123,500	251,200*					175
180	48.2	433.0	190,500	240,400*	55.8	448.1	153,800	267,600*	62.6	456.7	117,200	242,500*					180
185	46.4	428.3	182,400	230,900*	54.2	444.5	146,800	258,700*	61.1	453.9	111,300	234,300*					185
190	44.5	423.2	174,600	222,000*	52.5	440.6	140,100	250,200*	59.6	451.0	105,700	226,500*					190
195	42.6	417.8	167,300	213,500*	50.8	436.6	133,800	242,100*	58.0	447.9	100,400	219,100*					195
200	40.6	412.0	160,300	205,400*	49.1	432.2	127,800	234,500*	56.5	444.5	95,400	212,000*					200
205	38.5	405.7	153,600	197,800*	47.3	427.6	122,100	227,200*	54.9	441.0	90,600	205,300*					205
210	36.3	399.0	147,300	190,500*	45.5	422.7	116,600	220,200*	53.3	437.3	86,000	198,900*					210
215	34.0	391.7	141,200	183,800*	43.6	417.5	111,400	213,500*	51.6	433.3	81,600	192,700*	58.6	441.9	52,100	172,200*	215
220	31.6	383.6	135,300	177,400*	41.7	411.9	106,500	207,100*	49.9	429.1	77,500	186,900*	57.0	438.6	48,700	166,800*	220
225	28.9	374.8	129,700	171,500*	39.6	405.9	101,700	201,000*	48.1	424.6	73,500	181,200*	55.4	435.2	45,500	161,700*	225
230	26.0	364.8	124,200	166,200*	37.5	399.4	97,100	195,100*	46.3	419.8	69,600	175,800*	53.8	431.5	42,300	156,700*	230
235	22.7	353.3	118,900	161,300*	35.3	392.4	92,700	189,400*	44.5	414.8	66,000	170,600*	52.2	427.6	39,300	152,000*	235
240	18.9	339.5	113,600	157,200*	32.9	384.8	88,400	183,900*	42.6	409.3	62,400	165,700*	50.5	423.5	36,500	147,400*	240
245	14.1	321.7	108,300	154,000*	30.3	376.4	84,300	178,700*	40.6	403.5	59,000	160,800*	48.8	419.1	33,700	143,100*	245
250	5.9	290.6	102,400	152,900*	27.6	367.0	80,300	173,500*	38.5	397.3	55,700	156,200*	47.0	414.5	31,000	138,800*	250
260					21.0	344.0	72,400	163,700*	34.0	383.2	49,400	147,400*	43.2	404.2	25,900	130,600*	260
270					11.1	307.1	64,400	154,100*	28.9	366.3	43,400	139,100*	39.2	392.4	21,100	123,000*	270
280									22.7	344.7	37,600	131,100*	34.8	378.7	16,600	115,900*	280
290									14.0	313.0	31,600	123,300*	29.8	362.4	12,200	109,200*	290
300													23.9	341.9	7,900	102,700*	300
310													15.9	312.8	3,500	96,400*	310

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



260 ft Boom, 240 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
150	61.0	479.6	248,900	293,100*	67.1	487.9	202,700	329,300*									150
155	59.6	476.7	236,900	283,300*	65.8	485.6	192,400	316,700*									155
160	58.2	473.6	225,800	273,600*	64.4	483.2	182,800	304,900*									160
165	56.8	470.3	215,300	264,000*	63.1	480.6	173,900	293,800*									165
170	55.4	466.9	205,500	254,600*	61.7	477.9	165,400	283,300*									170
175	53.9	463.2	196,300	245,400*	60.4	475.1	157,500	273,400*									175
180	52.4	459.3	187,700	236,700*	59.0	472.1	150,000	264,000*									180
185	50.8	455.2	179,500	228,100*	57.6	468.9	143,000	255,100*	63.7	476.7	106,800	230,300*					185
190	49.3	450.9	171,700	219,700*	56.1	465.5	136,300	246,700*	62.4	474.0	101,200	222,500*					190
195	47.6	446.4	164,400	211,600*	54.7	462.0	130,000	238,700*	61.0	471.2	95,900	215,200*					195
200	46.0	441.6	157,400	203,900*	53.2	458.2	124,000	231,000*	59.6	468.3	90,900	208,100*					200
205	44.3	436.4	150,800	196,500*	51.6	454.2	118,400	223,700*	58.2	465.2	86,100	201,400*					205
210	42.5	431.0	144,500	189,400*	50.1	450.1	112,900	216,800*	56.8	461.9	81,500	195,100*					210
215	40.7	425.2	138,400	182,700*	48.5	445.6	107,800	210,200*	55.3	458.5	77,200	189,000*					215
220	38.8	419.0	132,700	176,300*	46.9	441.0	102,800	203,800*	53.8	454.8	73,100	183,100*					220
225	36.8	412.4	127,100	170,300*	45.2	436.0	98,100	197,800*	52.3	450.9	69,100	177,600*	58.7	459.2	40,400	157,600*	225
230	34.7	405.2	121,800	164,600*	43.4	430.7	93,600	191,900*	50.8	446.8	65,300	172,200*	57.3	456.0	37,300	152,700*	230
235	32.5	397.5	116,700	159,200*	41.7	425.1	89,200	186,300*	49.2	442.5	61,700	167,100*	55.8	452.6	34,400	148,000*	235
240	30.2	389.0	111,800	154,200*	39.8	419.1	85,100	180,900*	47.6	438.0	58,200	162,100*	54.4	449.0	31,500	143,500*	240
245	27.6	379.6	107,000	149,600*	37.9	412.8	81,000	175,700*	45.9	433.1	54,800	157,400*	52.9	445.2	28,800	139,200*	245
250	24.9	369.1	102,400	145,400*	35.8	405.9	77,200	170,700*	44.2	428.0	51,600	152,800*	51.3	441.2	26,200	135,000*	250
260	18.1	342.6	93,300	138,400*	31.4	390.4	69,800	161,300*	40.6	416.8	45,400	144,100*	48.2	432.5	21,200	126,900*	260
270	5.6	291.5	83,600	135,600*	26.4	371.6	62,800	152,300*	36.8	403.9	39,700	136,000*	44.8	422.8	16,600	119,500*	270
280					20.1	347.4	56,000	143,800*	32.5	389.0	34,300	128,400*	41.3	411.8	12,200	112,500*	280
290					10.6	308.9	48,900	135,400*	27.6	371.1	29,100	121,100*	37.5	399.2	8,100	105,900*	290
300									21.7	348.5	24,000	114,100*	33.3	384.7	4,100	99,700*	300
310									13.4	315.2	18,700	107,200*	28.5	367.4	300	93,800*	310
320													22.8	345.8		88,200*	320
330													15.1	315.4		82,600*	330



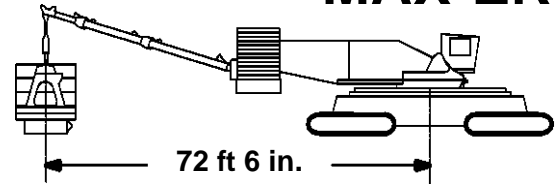
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



260 ft Boom, 260 ft Luffing Jib

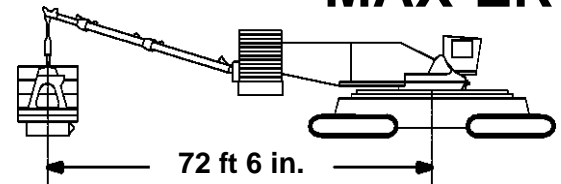
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
160	60.9	497.0	221,700	261,600*	66.5	505.3	177,600	300,500*									160
165	59.7	494.0	211,300	253,400*	65.3	503.0	168,700	289,400*									165
170	58.4	490.9	201,500	245,200*	64.1	500.5	160,300	279,000*									170
175	57.1	487.7	192,300	237,200*	62.9	498.0	152,400	269,100*									175
180	55.7	484.3	183,600	229,200*	61.6	495.3	145,000	259,800*									180
185	54.4	480.7	175,500	221,500*	60.3	492.4	138,000	250,900*									185
190	53.0	476.9	167,700	213,900*	59.1	489.4	131,400	242,500*	64.7	496.5	95,300	217,800*					190
195	51.6	472.9	160,400	206,600*	57.8	486.2	125,100	234,600*	63.4	494.0	90,000	210,500*					195
200	50.1	468.7	153,500	199,500*	56.4	482.9	119,100	227,000*	62.2	491.4	85,000	203,500*					200
205	48.7	464.4	146,900	192,600*	55.1	479.4	113,500	219,700*	60.9	488.6	80,300	196,900*					205
210	47.2	459.7	140,600	186,000*	53.7	475.7	108,100	212,800*	59.6	485.6	75,800	190,500*					210
215	45.6	454.8	134,700	179,600*	52.3	471.9	103,000	206,300*	58.3	482.5	71,600	184,500*					215
220	44.1	449.7	129,000	173,400*	50.9	467.8	98,100	200,000*	57.0	479.3	67,500	178,700*					220
225	42.4	444.2	123,500	167,500*	49.5	463.5	93,500	193,900*	55.7	475.9	63,600	173,200*					225
230	40.7	438.5	118,300	161,800*	48.0	459.0	89,000	188,100*	54.3	472.3	59,800	167,800*					230
235	39.0	432.3	113,200	156,400*	46.5	454.3	84,700	182,600*	53.0	468.5	56,300	162,800*	58.8	476.6	28,200	143,200*	235
240	37.2	425.7	108,400	151,300*	44.9	449.2	80,600	177,300*	51.6	464.5	52,800	157,900*	57.5	473.4	25,400	138,700*	240
245	35.3	418.7	103,800	146,500*	43.3	444.0	76,600	172,100*	50.1	460.3	49,500	153,200*	56.2	470.0	22,800	134,400*	245
250	33.3	411.2	99,300	141,900*	41.6	438.4	72,800	167,200*	48.7	455.9	46,400	148,600*	54.8	466.5	20,200	130,300*	250
260	28.9	394.1	90,800	133,700*	38.1	426.1	65,600	157,800*	45.6	446.4	40,400	140,100*	52.0	458.9	15,400	122,400*	260
270	23.8	373.3	82,700	126,600*	34.3	412.1	58,900	149,100*	42.4	435.8	34,800	132,100*	49.2	450.4	10,800	115,100*	270
280	17.3	345.6	74,900	121,100*	30.1	395.7	52,600	140,900*	39.0	423.9	29,600	124,600*	46.1	441.1	6,600	108,200*	280
290	5.4	292.3	66,400	119,100*	25.3	376.1	46,500	133,200*	35.2	410.3	24,600	117,500*	43.0	430.7	2,700	101,700*	290
300					19.3	350.7	40,600	125,800*	31.1	394.5	19,900	110,800*	39.6	419.0		95,700*	300
310					10.1	310.5	34,400	118,300*	26.4	375.8	15,400	104,500*	35.9	405.7		90,000*	310
320									20.8	352.1	10,900	98,300*	31.9	390.4		84,600*	320
330									12.8	317.4	6,300	92,300*	27.3	372.2		79,400*	330
340													21.9	349.6		74,400*	340
350													14.5	317.9		69,400*	350

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



260 ft Boom, 280 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
170	60.9	514.3	198,000	234,500*	66.1	522.7	156,100	275,500*									170
175	59.7	511.3	188,800	227,500*	65.0	520.4	148,200	265,600*									175
180	58.5	508.3	180,200	220,800*	63.8	517.9	140,800	256,300*									180
185	57.3	505.0	172,000	214,000*	62.7	515.3	133,900	247,500*									185
190	56.0	501.7	164,300	207,300*	61.5	512.6	127,300	239,100*									190
195	54.8	498.1	157,000	200,700*	60.3	509.7	121,000	231,200*									195
200	53.5	494.4	150,100	194,200*	59.1	506.7	115,100	223,600*	64.3	513.9	80,400	199,800*					200
205	52.2	490.5	143,600	187,900*	57.9	503.6	109,500	216,400*	63.2	511.4	75,700	193,200*					205
210	50.9	486.5	137,300	181,900*	56.7	500.3	104,100	209,600*	62.0	508.7	71,300	186,900*					210
215	49.6	482.2	131,400	176,000*	55.5	496.8	99,100	203,000*	60.9	505.9	67,000	180,900*					215
220	48.2	477.7	125,700	170,100*	54.2	493.2	94,200	196,700*	59.7	503.0	63,000	175,100*					220
225	46.8	473.0	120,300	164,600*	52.9	489.4	89,600	190,700*	58.5	499.9	59,100	169,600*					225
230	45.3	468.1	115,100	159,300*	51.6	485.5	85,100	185,000*	57.3	496.6	55,400	164,300*					230
235	43.9	462.9	110,100	154,100*	50.3	481.3	80,900	179,500*	56.0	493.3	51,900	159,300*					235
240	42.4	457.5	105,400	149,100*	48.9	477.0	76,800	174,200*	54.8	489.7	48,500	154,400*					240
245	40.8	451.7	100,800	144,400*	47.5	472.4	72,900	169,100*	53.5	486.0	45,200	149,800*	58.9	493.9	17,900	130,700*	245
250	39.2	445.6	96,400	139,800*	46.1	467.6	69,200	164,200*	52.2	482.1	42,100	145,300*	57.7	490.7	15,400	126,600*	250
260	35.8	432.2	88,000	131,400*	43.2	457.2	62,100	154,900*	49.5	473.8	36,200	136,800*	55.2	483.9	10,700	118,800*	260
270	32.0	416.9	80,300	123,700*	40.0	445.6	55,500	146,300*	46.8	464.6	30,700	128,900*	52.6	476.5	6,200	111,500*	270
280	27.8	399.0	72,900	117,000*	36.7	432.7	49,300	138,200*	43.8	454.5	25,600	121,500*	50.0	468.2	2,100	104,700*	280
290	22.9	377.3	66,000	111,300*	33.0	418.0	43,500	130,700*	40.8	443.2	20,800	114,500*	47.2	459.2		98,400*	290
300	16.7	348.5	59,100	106,900*	29.0	400.9	38,000	123,500*	37.5	430.6	16,300	108,000*	44.4	449.3		92,400*	300
310	5.1	293.0	51,600	105,600*	24.3	380.4	32,700	116,700*	33.9	416.4	12,000	101,700*	41.3	438.2		86,800*	310
320					18.5	353.9	27,500	110,100*	30.0	399.9	7,800	95,900*	38.1	425.9		81,500*	320
330					9.7	312.1	22,000	103,400*	25.4	380.3	3,900	90,300*	34.5	411.9		76,500*	330
340									20.0	355.5		84,800*	30.7	395.9		71,700*	340
350									12.3	319.4		79,400*	26.3	376.9		67,100*	350
360													21.0	353.3		62,600*	360
370													14.0	320.2		57,800*	370

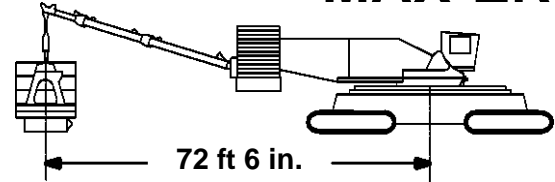


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



260 ft Boom, 300 ft Luffing Jib

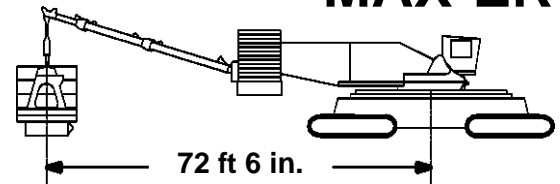
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
180	60.8	531.6	175,900	210,400*	65.7	540.1	135,600	252,000*					180
185	59.7	528.7	167,800	204,600*	64.6	537.7	128,600	243,200*					185
190	58.6	525.6	160,100	198,900*	63.6	535.2	122,100	234,900*					190
195	57.5	522.4	152,800	193,000*	62.5	532.6	115,900	227,000*					195
200	56.3	519.1	145,900	187,500*	61.4	529.9	110,000	219,400*					200
205	55.1	515.6	139,300	181,900*	60.3	527.0	104,400	212,300*					205
210	54.0	511.9	133,100	176,400*	59.2	524.0	99,100	205,400*	64.1	531.3	65,400	182,200*	210
215	52.8	508.1	127,200	171,000*	58.1	520.9	94,000	198,900*	63.0	528.7	61,200	176,200*	215
220	51.5	504.1	121,500	165,800*	56.9	517.7	89,200	192,700*	61.9	526.0	57,200	170,500*	220
225	50.3	500.0	116,100	160,600*	55.8	514.2	84,600	186,700*	60.8	523.2	53,400	165,100*	225
230	49.0	495.7	110,900	155,700*	54.6	510.7	80,200	181,000*	59.7	520.3	49,700	159,800*	230
235	47.8	491.1	106,000	150,900*	53.4	507.0	76,000	175,500*	58.6	517.2	46,200	154,800*	235
240	46.4	486.4	101,300	146,200*	52.2	503.1	71,900	170,200*	57.4	514.0	42,900	150,000*	240
245	45.1	481.4	96,700	141,700*	51.0	499.0	68,100	165,200*	56.3	510.7	39,600	145,300*	245
250	43.7	476.2	92,400	137,300*	49.7	494.8	64,400	160,300*	55.1	507.2	36,600	140,900*	250
260	40.8	464.9	84,100	129,100*	47.1	485.7	57,400	151,100*	52.7	499.7	30,800	132,500*	260
270	37.8	452.4	76,500	121,500*	44.4	475.8	50,800	142,600*	50.3	491.6	25,400	124,700*	270
280	34.5	438.4	69,300	112,300*	41.6	464.8	44,800	134,600*	47.7	482.7	20,300	117,400*	280
290	30.9	422.4	62,600	102,600*	38.6	452.7	39,100	127,100*	45.1	473.0	15,600	110,500*	290
300	26.8	403.8	56,200	93,600*	35.4	439.1	33,800	117,000*	42.3	462.2	11,200	104,000*	300
310	22.1	381.2	50,100	85,200*	31.9	423.7	28,700	107,000*	39.3	450.4	7,100	97,900*	310
320	16.1	351.2	44,100	77,800*	28.0	405.8	23,900	97,600*	36.1	437.1	3,100	92,200*	320
330	4.9	293.8	37,400	72,100*	23.5	384.5	19,200	88,900*	32.7	422.2		86,700*	330
340					17.9	357.0	14,600	80,900*	28.9	405.0		81,500*	340
350					9.4	313.7	9,600	74,500*	24.5	384.6		76,500*	350
360									19.3	358.9		71,700*	360
370									11.9	321.4		66,800*	370

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



280 ft Boom, 120 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
95	60.3	393.7	482,300	567,800*b													95
100	57.4	390.5	451,200	541,300*b													100
105	54.5	387.0	423,300	515,400*b	68.0	397.8											105
110	51.4	383.0	398,200	490,300*b	65.4	395.5											110
115	48.2	378.5	375,300	466,100*b	62.7	392.9	318,100	464,800*b									115
120	44.8	373.5	354,400	443,100*	59.9	390.0	300,200	443,600*b									120
125	41.2	367.8	335,200	421,600*	57.0	386.7	283,800	424,100*b									125
130	37.3	361.4	317,500	401,600*	54.1	383.0	268,800	405,900*b									130
135	33.0	353.8	301,000	383,400*	51.0	379.0	254,800	389,100*b									135
140	28.1	344.8	285,400	367,200*	47.8	374.5	241,900	373,300*	62.1	386.8	196,400	342,500*b					140
145	22.1	333.3	270,600	353,500*	44.4	369.4	229,800	358,600*	59.3	383.8	186,300	329,000*b					145
150	13.6	316.1	255,900	344,200*	40.8	363.6	218,500	344,800*	56.5	380.5	176,900	316,400*b					150
155					36.8	357.0	207,800	331,700*	53.5	376.7	168,100	304,500*b					155
160					32.4	349.4	197,600	319,400*	50.4	372.6	159,800	293,400*b					160
165					27.4	340.1	187,900	307,600*	47.1	368.0	152,000	282,800*					165
170					21.2	328.1	178,400	296,200*	43.7	362.7	144,600	272,800*	58.4	375.2	108,800	248,100*b	170
175					12.0	309.5	168,400	284,900*	40.0	356.8	137,500	263,300*	55.5	371.7	103,100	239,500*b	175
180									36.0	350.0	130,800	254,200*	52.5	367.9	97,800	231,300*b	180
185									31.5	342.1	124,200	245,500*	49.4	363.6	92,700	223,500*b	185
190									26.3	332.4	117,800	237,100*	46.0	358.8	87,800	216,100*	190
195									19.7	319.6	111,300	228,800*	42.5	353.3	83,000	209,000*	195
200									8.8	297.4	103,900	220,200*	38.7	347.2	78,500	202,200*	200
205													34.6	340.0	74,000	195,700*	205
210													29.9	331.6	69,600	189,300*	210
215													24.4	321.1	65,200	183,000*	215
220													17.1	306.7	60,500	176,800*	220

Capacities indicated by **(b)** require 37,000 lb minimum weight suspended beneath luffing jib point.

Do not luff into area indicated by (c) with 37,000 lb minimum weight (see CAUTION on page 1).

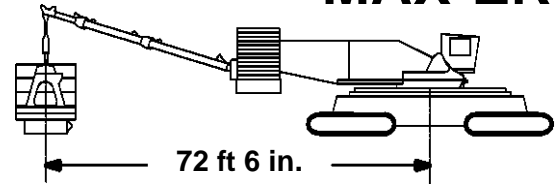


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



280 ft Boom, 140 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
110	57.8	407.9	396,300	468,100* b				c									110
115	55.3	404.4	373,600	446,700* b	66.9	415.2	313,600	460,500* b									115
120	52.7	400.6	352,900	425,900*	64.6	412.8	295,900	439,500* b									120
125	50.1	396.4	334,000	405,900*	62.3	410.2	279,700	420,100* b									125
130	47.3	391.8	316,600	386,800*	59.9	407.3	264,800	402,200* b									130
135	44.4	386.7	300,400	368,700*	57.5	404.1	251,100	385,500* b									135
140	41.3	381.0	285,500	351,600*	55.0	400.5	238,400	369,900*									140
145	38.0	374.7	271,500	335,700*	52.4	396.7	226,500	355,400*	64.1	406.8	180,800	324,400* b					145
150	34.4	367.5	258,500	321,000*	49.7	392.4	215,500	341,800*	61.8	404.1	171,600	311,900* b					150
155	30.4	359.2	246,100	307,700*	46.9	387.8	205,200	329,000*	59.4	401.1	163,000	300,200* b					155
160	25.9	349.3	234,400	295,900*	44.0	382.6	195,500	317,000*	57.0	397.8	155,000	289,200* b					160
165	20.3	336.7	223,100	286,100*	40.9	376.9	186,300	305,600*	54.5	394.3	147,400	278,800*					165
170	12.4	318.1	211,600	279,600*	37.5	370.4	177,600	294,800*	51.9	390.3	140,200	269,000*					170
175					33.9	363.1	169,300	284,500*	49.2	386.0	133,500	259,700*					175
180					29.9	354.6	161,400	274,800*	46.3	381.2	127,100	250,900*	58.6	392.5	92,000	226,600* b	180
185					25.2	344.5	153,700	265,400*	43.3	376.0	121,000	242,500*	56.2	389.1	87,100	219,000* b	185
190					19.5	331.4	146,100	256,200*	40.2	370.1	115,100	234,500*	53.6	385.5	82,400	211,800*	190
195					11.0	311.2	138,100	247,000*	36.8	363.5	109,500	226,900*	51.0	381.4	78,000	204,900*	195
200									33.1	356.0	104,100	219,500*	48.3	376.9	73,700	198,300*	200
205									29.0	347.2	98,800	212,400*	45.4	372.0	69,600	192,000*	205
210									24.2	336.6	93,600	205,500*	42.4	366.6	65,700	186,000*	210
215									18.1	322.6	88,300	198,700*	39.1	360.5	61,900	180,100*	215
220									8.0	298.5	82,100	191,500*	35.7	353.6	58,100	174,500*	220
225													31.8	345.7	54,500	169,100*	225
230													27.5	336.4	50,900	163,800*	230
235													22.4	325.0	47,200	158,600*	235
240													15.7	309.3	43,300	153,200*	240

Capacities indicated by **(b)** require 37,000 lb minimum weight suspended beneath luffing jib point.

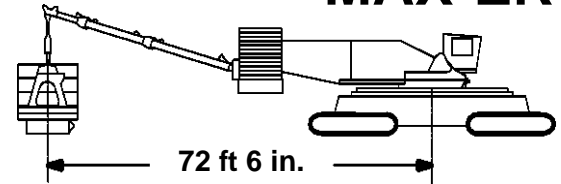
Do not luff into area indicated by **(c)** with 37,000 lb minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



280 ft Boom, 160 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
130	53.7	418.2	316,100	374,300*	64.0	430.2	262,500	399,200*b									130
135	51.4	414.2	300,100	357,700*	62.0	427.5	248,800	382,600*b									135
140	49.0	409.8	285,300	341,700*	59.9	424.6	236,100	367,200*									140
145	46.6	405.1	271,500	326,500*	57.8	421.4	224,400	352,800*									145
150	44.0	399.9	258,700	312,000*	55.6	418.0	213,400	339,300*									150
155	41.3	394.3	246,600	298,300*	53.4	414.3	203,200	326,600*	63.6	424.1	159,500	296,900*b					155
160	38.4	388.0	235,300	285,500*	51.1	410.2	193,600	314,700*	61.6	421.4	151,500	286,000*b					160
165	35.3	381.1	224,700	273,600*	48.7	405.8	184,700	303,500*	59.5	418.4	144,100	275,700*					165
170	32.0	373.2	214,600	262,600*	46.2	401.1	176,200	292,900*	57.4	415.2	137,000	266,000*					170
175	28.3	364.2	205,000	252,700*	43.7	395.8	168,200	282,800*	55.2	411.7	130,400	256,800*					175
180	24.1	353.5	195,800	243,900*	40.9	390.1	160,600	273,300*	52.9	407.9	124,100	248,200*					180
185	18.9	340.0	186,800	236,700*	38.0	383.8	153,400	264,300*	50.6	403.8	118,200	239,900*					185
190	11.5	320.0	177,600	232,100*	34.9	376.7	146,500	255,600*	48.2	399.4	112,600	232,100*	58.8	409.9	78,400	208,400*	190
195					31.6	368.7	139,900	247,300*	45.7	394.5	107,200	224,600*	56.7	406.5	74,100	201,600*	195
200					27.8	359.5	133,500	239,400*	43.1	389.2	102,000	217,400*	54.5	403.0	70,000	195,200*	200
205					23.5	348.5	127,200	231,700*	40.4	383.3	97,100	210,600*	52.2	399.1	66,100	189,000*	205
210					18.2	334.5	121,000	224,200*	37.4	376.9	92,400	204,100*	49.9	394.9	62,300	183,100*	210
215					10.2	312.8	114,400	216,600*	34.3	369.6	87,800	197,800*	47.4	390.3	58,700	177,400*	215
220									30.8	361.4	83,300	191,700*	44.9	385.3	55,200	172,000*	220
225									27.0	351.9	79,000	185,800*	42.2	379.8	51,900	166,800*	225
230									22.5	340.4	74,600	180,100*	39.4	373.7	48,600	161,700*	230
235									16.9	325.5	70,200	174,300*	36.4	367.0	45,400	156,900*	235
240									7.4	299.6	64,900	168,200*	33.2	359.5	42,300	152,200*	240
245													29.7	351.0	39,300	147,500*	245
250													25.6	340.9	36,200	142,900*	250
260													14.6	311.7	29,800	133,800*	260

Capacities indicated by **(b)** require
37,000 lb minimum weight
suspended beneath luffing jib point.



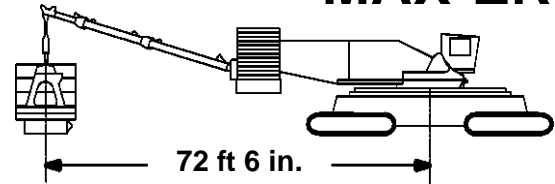
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



280 ft Boom, 180 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
145	52.4	431.8	268,500	316,500*	61.8	444.8	219,500	348,500*									145
150	50.3	427.7	255,700	303,200*	59.9	441.9	208,700	335,100*									150
155	48.2	423.2	243,800	290,400*	58.1	438.8	198,600	322,600*									155
160	46.0	418.4	232,700	278,100*	56.1	435.4	189,100	310,800*	65.0	444.0	145,500	281,100*b					160
165	43.7	413.2	222,300	266,400*	54.2	431.8	180,200	299,600*	63.2	441.5	138,200	270,900*					165
170	41.3	407.5	212,400	255,400*	52.2	427.9	171,900	289,100*	61.4	438.7	131,300	261,300*					170
175	38.8	401.3	203,100	245,000*	50.1	423.7	164,000	279,200*	59.6	435.8	124,700	252,200*					175
180	36.1	394.5	194,300	235,200*	47.9	419.2	156,600	269,800*	57.7	432.6	118,600	243,600*					180
185	33.2	387.0	185,900	226,200*	45.7	414.3	149,600	260,900*	55.7	429.2	112,800	235,500*					185
190	30.1	378.5	177,900	217,900*	43.4	409.1	142,900	252,400*	53.8	425.5	107,300	227,800*					190
195	26.6	368.9	170,300	210,300*	41.0	403.3	136,500	244,300*	51.7	421.5	102,000	220,400*					195
200	22.6	357.4	162,800	203,800*	38.4	397.1	130,500	236,600*	49.6	417.3	97,100	213,400*	59.0	427.2	63,700	190,200*	200
205	17.8	343.0	155,500	198,400*	35.7	390.2	124,600	229,200*	47.5	412.7	92,300	206,700*	57.1	423.9	59,900	184,100*	205
210	10.8	321.7	147,900	195,100*	32.8	382.6	119,000	222,100*	45.2	407.8	87,700	200,300*	55.1	420.4	56,300	178,300*	210
215					29.7	374.0	113,600	215,300*	42.9	402.4	83,400	194,100*	53.1	416.7	52,800	172,800*	215
220					26.1	364.1	108,400	208,700*	40.5	396.6	79,200	188,200*	51.1	412.6	49,500	167,500*	220
225					22.1	352.3	103,200	202,300*	37.9	390.2	75,100	182,600*	49.0	408.3	46,300	162,400*	225
230					17.0	337.4	98,000	196,000*	35.2	383.2	71,200	177,100*	46.8	403.6	43,200	157,500*	230
235					9.5	314.3	92,400	189,600*	32.2	375.4	67,400	171,800*	44.5	398.5	40,300	152,700*	235
240									29.0	366.5	63,700	166,700*	42.1	393.0	37,400	148,200*	240
245									25.4	356.3	60,000	161,800*	39.7	387.0	34,600	143,800*	245
250									21.1	344.1	56,400	156,900*	37.0	380.5	31,900	139,400*	250
260									6.9	300.6	48,100	146,700*	31.2	365.1	26,600	131,200*	260
270													24.1	345.1	21,400	123,300*	270
280													13.7	314.0	15,900	115,500*	280

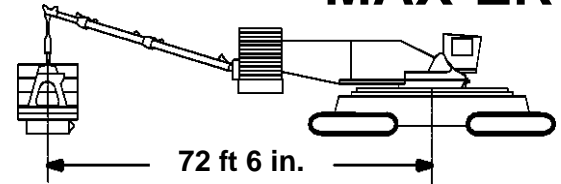
Capacities indicated by (b) require 37,000 lb minimum weight suspended beneath luffing jib point.

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



280 ft Boom, 200 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
165	49.5	441.1	220,000	260,100*	58.3	456.1	176,700	296,600*									165
170	47.6	436.5	210,200	249,700*	56.5	452.8	168,500	286,100*	64.5	461.4	126,800	257,700*					170
175	45.6	431.7	201,100	239,800*	54.8	449.3	160,700	276,300*	62.9	458.8	120,400	248,700*					175
180	43.5	426.4	192,400	230,300*	53.0	445.5	153,300	266,900*	61.3	456.0	114,300	240,100*					180
185	41.3	420.7	184,200	221,300*	51.1	441.5	146,400	258,100*	59.6	453.1	108,600	232,000*					185
190	39.0	414.6	176,400	212,700*	49.3	437.1	139,800	249,700*	57.9	449.9	103,200	224,400*					190
195	36.7	408.0	169,000	204,700*	47.3	432.5	133,600	241,700*	56.2	446.6	98,000	217,100*					195
200	34.1	400.7	161,900	197,200*	45.3	427.6	127,600	234,100*	54.4	443.0	93,100	210,100*					200
205	31.4	392.6	155,200	190,200*	43.2	422.3	122,000	226,800*	52.6	439.2	88,500	203,500*					205
210	28.5	383.6	148,700	183,800*	41.0	416.6	116,600	219,800*	50.8	435.1	84,000	197,200*	59.1	444.5	51,700	174,700*	210
215	25.2	373.2	142,400	178,000*	38.7	410.4	111,400	213,200*	48.9	430.7	79,700	191,100*	57.4	441.3	48,300	169,200*	215
220	21.4	361.1	136,200	173,000*	36.3	403.6	106,400	206,800*	46.9	426.0	75,700	185,300*	55.6	437.9	45,100	163,900*	220
225	16.8	345.8	130,100	168,900*	33.8	396.3	101,600	200,600*	44.9	421.0	71,800	179,800*	53.8	434.2	42,000	158,900*	225
230	10.2	323.3	123,800	166,500*	31.0	388.1	97,000	194,700*	42.8	415.6	68,000	174,400*	52.0	430.3	39,000	154,100*	230
235					28.1	378.9	92,500	189,000*	40.6	409.8	64,400	169,300*	50.2	426.1	36,100	149,400*	235
240					24.7	368.4	88,100	183,500*	38.3	403.5	60,900	164,300*	48.2	421.6	33,400	145,000*	240
245					20.9	355.9	83,700	178,000*	35.8	396.7	57,500	159,600*	46.3	416.9	30,700	140,700*	245
250					16.1	340.1	79,300	172,700*	33.2	389.1	54,200	154,900*	44.2	411.7	28,100	136,500*	250
260									27.4	371.4	47,900	146,100*	39.8	400.3	23,200	128,500*	260
270									20.0	347.5	41,600	137,600*	35.0	386.7	18,600	121,000*	270
280									6.5	301.6	34,400	128,700*	29.5	370.3	14,100	113,900*	280
290													22.8	349.0	9,600	107,100*	290
300													12.9	316.1	4,700	100,200*	300

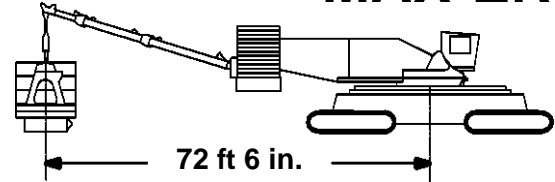


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



280 ft Boom, 220 ft Luffing Jib

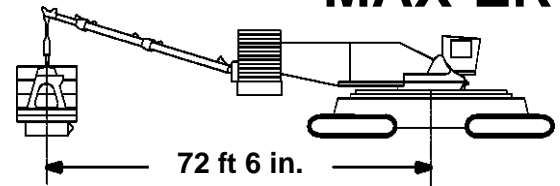
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
175	50.5	458.9	198,100	234,400*	58.4	473.5	156,300	272,100*									175
180	48.8	454.5	189,500	225,500*	56.9	470.2	149,000	262,800*	64.1	478.7	108,700	235,300*					180
185	47.0	449.9	181,300	216,900*	55.3	466.7	142,100	254,000*	62.6	476.1	103,000	227,200*					185
190	45.2	444.9	173,600	208,700*	53.7	463.0	135,500	245,700*	61.1	473.4	97,600	219,600*					190
195	43.3	439.6	166,200	200,700*	52.0	459.1	129,300	237,700*	59.6	470.4	92,500	212,400*					195
200	41.3	434.0	159,200	193,300*	50.3	455.0	123,400	230,200*	58.1	467.3	87,700	205,500*					200
205	39.3	427.9	152,600	186,300*	48.6	450.5	117,800	223,000*	56.5	464.0	83,100	199,000*					205
210	37.1	421.3	146,200	179,600*	46.8	445.9	112,500	216,100*	54.9	460.5	78,700	192,700*					210
215	34.9	414.2	140,200	173,300*	44.9	440.9	107,400	209,500*	53.3	456.7	74,500	186,700*					215
220	32.5	406.5	134,300	167,400*	43.0	435.5	102,500	203,200*	51.7	452.8	70,500	181,000*	59.1	461.8	38,800	159,000*	220
225	29.9	397.9	128,700	161,900*	41.1	429.8	97,800	197,200*	50.0	448.6	66,700	175,500*	57.6	458.7	35,800	154,000*	225
230	27.1	388.3	123,300	156,900*	39.0	423.7	93,300	191,400*	48.2	444.1	63,000	170,200*	56.0	455.3	32,900	149,200*	230
235	23.9	377.4	118,000	152,400*	36.8	417.0	89,000	185,800*	46.4	439.3	59,500	165,200*	54.4	451.7	30,100	144,700*	235
240	20.3	364.6	112,800	148,500*	34.6	409.9	84,800	180,400*	44.6	434.3	56,100	160,300*	52.8	447.9	27,400	140,300*	240
245	16.0	348.5	107,600	145,400*	32.1	402.0	80,800	175,300*	42.6	428.9	52,800	155,600*	51.1	443.9	24,900	136,000*	245
250	9.7	324.9	102,200	143,700*	29.5	393.3	76,900	170,200*	40.6	423.1	49,700	151,100*	49.4	439.6	22,400	132,000*	250
260					23.5	372.5	69,300	160,600*	36.4	410.1	43,600	142,500*	45.8	430.2	17,700	124,100*	260
270					15.3	342.7	61,700	151,400*	31.6	394.8	37,900	134,500*	42.0	419.5	13,200	116,800*	270
280									26.1	375.9	32,500	126,800*	37.9	407.1	9,100	110,000*	280
290									19.0	350.8	27,000	119,400*	33.3	392.7	5,100	103,500*	290
300									6.1	302.5	20,700	111,600*	28.1	375.3	1,200	97,300*	300
310													21.7	352.8		91,400*	310
320													12.3	318.1		85,400*	320

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
 Boom No. 80 With 140 ft Mast No. 81
 458,700 lb Crane Counterweight
 200,000 lb Carbody Counterweight
 423,300 lb Hanging Counterweight
 at 72 ft 6 in. Position
 Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
 ANSI B30.5
 Requirements



280 ft Boom, 240 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
180	52.9	480.6	185,900	220,800*	59.9	493.9	144,600	259,100*									180
185	51.4	476.6	177,700	212,800*	58.5	490.8	137,700	250,400*									185
190	49.8	472.4	170,000	205,200*	57.1	487.6	131,200	242,100*	63.8	496.1	92,500	215,600*					190
195	48.2	467.9	162,700	197,900*	55.7	484.1	125,000	234,200*	62.4	493.5	87,500	208,400*					195
200	46.6	463.2	155,800	190,900*	54.2	480.5	119,100	226,700*	61.0	490.7	82,700	201,500*					200
205	44.9	458.2	149,200	184,100*	52.7	476.7	113,600	219,500*	59.7	487.7	78,100	195,000*					205
210	43.1	452.9	142,900	177,600*	51.2	472.7	108,300	212,700*	58.3	484.6	73,800	188,800*					210
215	41.3	447.2	136,900	171,400*	49.6	468.4	103,200	206,100*	56.8	481.4	69,600	182,900*					215
220	39.5	441.1	131,200	165,500*	48.0	463.9	98,400	199,900*	55.4	477.9	65,700	177,200*					220
225	37.5	434.7	125,700	159,900*	46.4	459.2	93,800	193,900*	53.9	474.2	61,900	171,700*					225
230	35.5	427.7	120,500	154,600*	44.7	454.1	89,400	188,200*	52.4	470.4	58,300	166,500*	59.2	479.2	27,600	145,100*	230
235	33.3	420.2	115,400	149,700*	42.9	448.7	85,200	182,600*	50.9	466.3	54,800	161,500*	57.8	476.0	24,800	140,600*	235
240	31.0	412.0	110,500	145,000*	41.1	443.0	81,100	177,300*	49.3	462.0	51,500	156,700*	56.4	472.7	22,200	136,200*	240
245	28.5	403.0	105,800	140,700*	39.2	436.9	77,200	172,200*	47.7	457.5	48,300	152,000*	54.9	469.1	19,700	132,000*	245
250	25.9	392.9	101,200	136,800*	37.2	430.4	73,400	167,300*	46.0	452.6	45,200	147,600*	53.4	465.4	17,300	128,000*	250
260	19.4	367.9	92,300	130,300*	33.0	415.8	66,200	158,000*	42.5	442.1	39,400	139,100*	50.4	457.4	12,700	120,300*	260
270	9.2	326.4	83,100	126,900*	28.2	398.3	59,400	149,200*	38.8	430.1	33,900	131,300*	47.1	448.4	8,400	113,100*	270
280					22.5	376.4	52,800	140,900*	34.8	416.3	28,700	123,900*	43.7	438.2	4,400	106,400*	280
290					14.6	345.2	46,300	132,900*	30.2	400.1	23,800	116,800*	40.1	426.8	600	100,000*	290
300									24.9	380.3	19,100	110,000*	36.2	413.7		94,100*	300
310									18.2	353.9	14,300	103,500*	31.8	398.4		88,400*	310
320									5.8	303.4	8,700	96,600*	26.8	380.0		83,100*	320
330													20.7	356.4		77,800*	330
340													11.7	320.1		72,500*	340



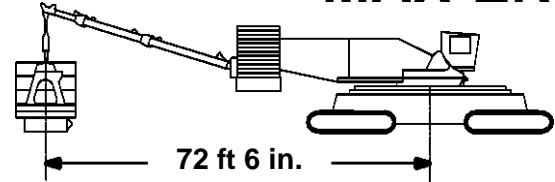
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



280 ft Boom, 260 ft Luffing Jib

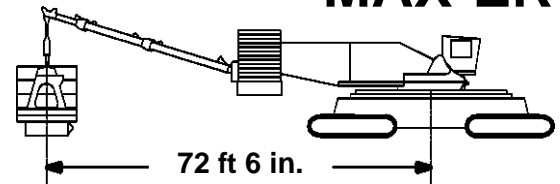
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
185	54.8	501.9	173,600	206,200*	61.2	514.1	132,500	246,100*									185
190	53.5	498.2	166,000	199,300*	60.0	511.2	126,000	237,800*									190
195	52.1	494.3	158,700	192,500*	58.7	508.1	119,900	230,000*	64.7	515.9	81,400	203,600*					195
200	50.7	490.2	151,800	185,900*	57.4	504.9	114,100	222,500*	63.5	513.4	76,700	196,800*					200
205	49.2	485.8	145,300	179,800*	56.0	501.5	108,600	215,400*	62.2	510.8	72,200	190,300*					205
210	47.7	481.3	139,000	173,600*	54.7	498.0	103,300	208,600*	61.0	508.0	67,900	184,100*					210
215	46.2	476.5	133,100	167,600*	53.3	494.3	98,300	202,100*	59.7	505.1	63,800	178,200*					215
220	44.6	471.4	127,400	162,100*	51.9	490.3	93,600	195,900*	58.4	502.0	59,900	172,600*					220
225	43.0	466.1	122,000	156,700*	50.5	486.2	89,000	190,000*	57.1	498.7	56,200	167,200*					225
230	41.3	460.4	116,800	151,500*	49.0	481.9	84,700	184,300*	55.7	495.3	52,600	162,000*					230
235	39.6	454.4	111,800	146,500*	47.5	477.3	80,500	178,800*	54.4	491.7	49,200	157,100*					235
240	37.8	448.0	107,000	141,800*	46.0	472.5	76,500	173,600*	53.0	488.0	46,000	152,300*	59.3	496.5	15,900	131,300*	240
245	36.0	441.2	102,400	137,300*	44.4	467.4	72,600	168,500*	51.6	484.0	42,800	147,700*	58.0	493.4	13,400	127,200*	245
250	34.0	433.8	98,000	133,100*	42.8	462.0	68,900	163,700*	50.2	479.8	39,800	143,300*	56.7	490.1	11,100	123,200*	250
260	29.7	417.3	89,500	125,500*	39.4	450.2	61,900	154,500*	47.2	470.8	34,100	135,000*	54.0	482.9	6,600	115,600*	260
270	24.8	397.2	81,600	118,900*	35.7	436.8	55,300	145,900*	44.1	460.8	28,800	127,200*	51.1	475.1	2,500	108,500*	270
280	18.6	371.1	73,900	113,700*	31.7	421.4	49,100	137,800*	40.8	449.5	23,800	119,900*	48.2	466.4		101,900*	280
290	8.8	327.8	65,900	111,200*	27.1	403.1	43,300	130,200*	37.2	436.9	19,100	113,100*	45.2	456.7		95,700*	290
300					21.5	380.2	37,600	123,000*	33.3	422.3	14,700	106,600*	41.9	445.9		89,900*	300
310					14.0	347.5	31,800	115,900*	29.0	405.3	10,400	100,400*	38.5	433.7		84,400*	310
320									23.9	384.5	6,200	94,500*	34.7	419.9		79,200*	320
330									17.4	356.9	2,000	88,700*	30.5	403.8		74,200*	330
340									5.6	304.2		82,600*	25.7	384.5		69,500*	340
350													19.8	359.8		64,800*	350
360													11.2	321.9		59,700*	360

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



280 ft Boom, 280 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
200	54.0	515.7	148,400	180,700*	60.0	528.5	110,000	219,100*					200
205	52.7	511.9	141,900	174,900*	58.8	525.5	104,500	212,000*	64.4	533.3	67,400	186,500*	205
210	51.4	507.9	135,700	169,300*	57.5	522.3	99,300	205,300*	63.2	530.8	63,200	180,400*	210
215	50.0	503.6	129,700	163,900*	56.3	518.9	94,300	198,800*	62.1	528.1	59,100	174,500*	215
220	48.7	499.2	124,100	158,600*	55.1	515.4	89,600	192,600*	60.9	525.3	55,300	168,900*	220
225	47.3	494.6	118,700	153,500*	53.8	511.8	85,000	186,700*	59.7	522.4	51,600	163,600*	225
230	45.8	489.8	113,600	148,500*	52.5	507.9	80,700	181,100*	58.5	519.3	48,100	158,400*	230
235	44.4	484.7	108,600	143,700*	51.2	503.9	76,600	175,600*	57.3	516.1	44,700	153,500*	235
240	42.9	479.3	103,900	139,200*	49.9	499.7	72,600	170,400*	56.1	512.7	41,500	148,800*	240
245	41.3	473.6	99,400	134,800*	48.5	495.3	68,800	165,400*	54.8	509.2	38,400	144,200*	245
250	39.7	467.7	95,000	130,600*	47.1	490.6	65,100	160,600*	53.5	505.5	35,400	139,800*	250
260	36.4	454.6	86,700	122,800*	44.2	480.6	58,200	151,500*	50.9	497.5	29,800	131,600*	260
270	32.7	439.7	79,000	115,700*	41.1	469.5	51,800	143,000*	48.2	488.8	24,600	123,900*	270
280	28.6	422.3	71,800	109,500*	37.9	457.1	45,800	135,100*	45.4	479.2	19,700	116,700*	280
290	23.9	401.4	64,800	104,200*	34.3	443.0	40,100	127,600*	42.4	468.5	15,100	110,000*	290
300	17.9	374.2	58,100	100,000*	30.5	426.8	34,800	120,600*	39.2	456.7	10,800	103,600*	300
310	8.5	329.2	51,100	98,300*	26.0	407.7	29,600	114,000*	35.8	443.3	6,800	97,500*	310
320					20.7	383.7	24,600	107,600*	32.1	428.0	2,900	91,800*	320
330					13.5	349.8	19,500	101,200*	27.9	410.2		86,400*	330
340									23.0	388.5		81,200*	340
350									16.7	359.7		76,000*	350
360									5.3	305.0		70,500*	360
370													370