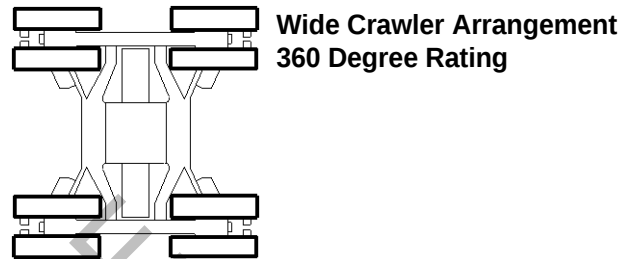
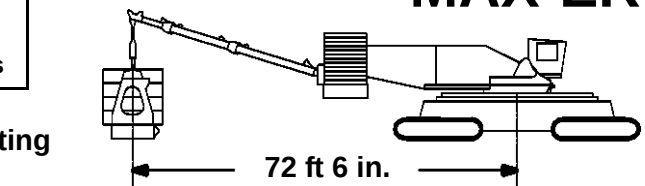
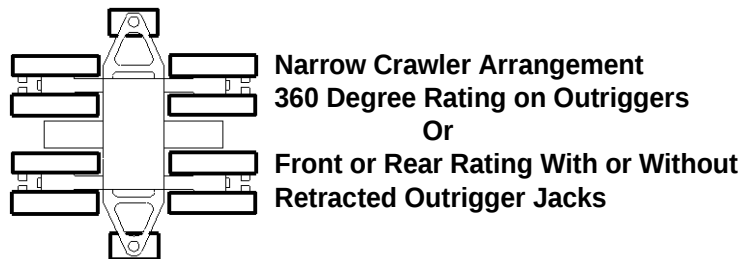


Liftcrane Luffing Jib Capacities

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
247,300 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.**

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

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.

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.

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

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.

OPERATING CONDITIONS

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.

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**.

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

MACHINE TRAVEL

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**.

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

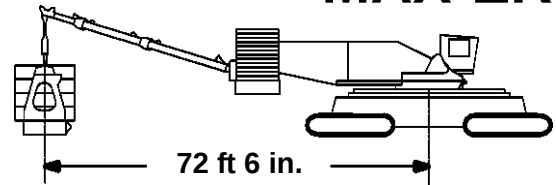
200,000 lb Carbody Counterweight

247,300 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.

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

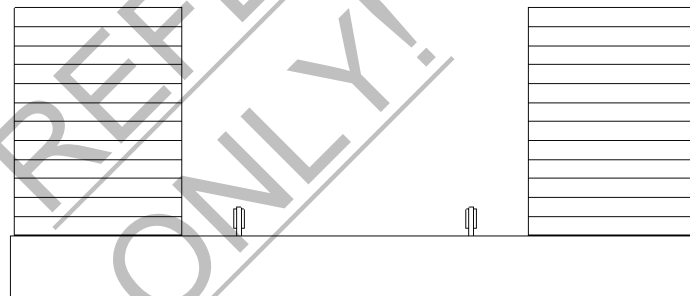
support straps, 22 part luffing jib hoist reeving, luffing jib and backstay support straps, 458,700 lb crane counterweight, two 53,500 lb and two 46,500 lb carbody counterweights and 247,300 lb hanging counterweight.

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

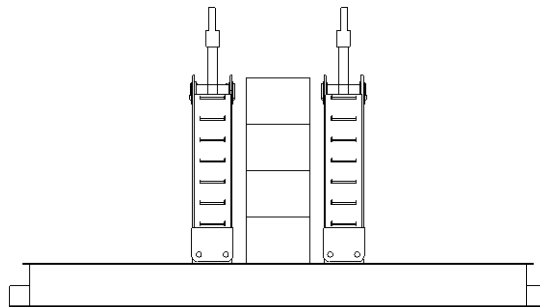
Warning: Narrow crawler arrangement requires set outrigger jacks to swing beyond front or rear operating range.

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



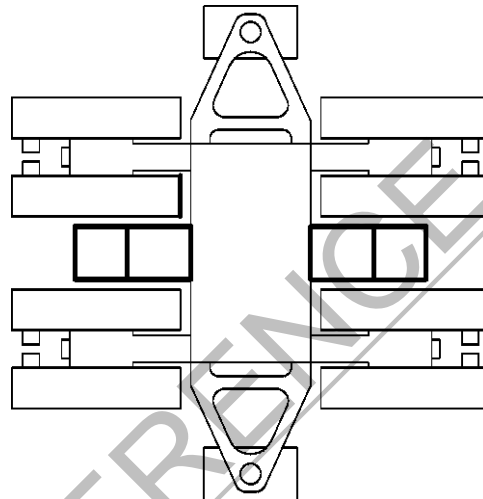
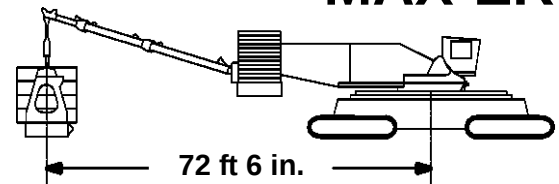
247,300 lb Hanging Counterweight
4 Center Boxes

Liftcrane Luffing Jib Capacities

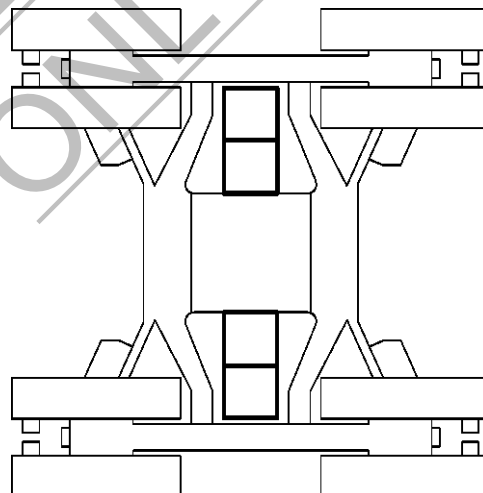
Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



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

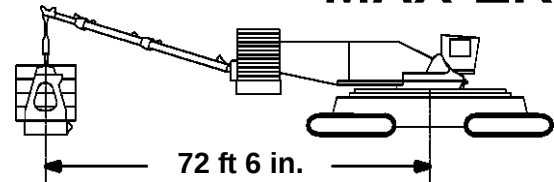
200,000 lb Carbody Counterweight

247,300 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 247,300 lb Hanging Counterweight		
Boom Length Feet	Luffing Jib No. 81 Feet	Boom to Luffing Jib Angle Degrees
Over End Unblocked Crawlers		
180 - 200	120 - 300	90
220 - 240	120 - 300	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.

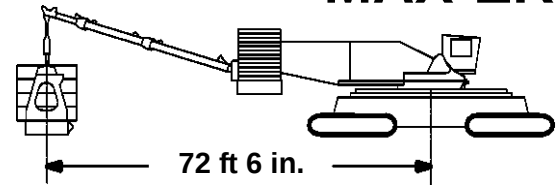
CAUTION: Do not under any condition allow boom to luffing jib angle to become less than 60 degrees.

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
247,300 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	456,100	694,600*b													75
80	63.7	297.7	418,900	649,400*b													80
85	61.0	294.9	386,600	609,300*b				c									85
90	58.2	291.8	358,200	573,400*b	66.8	298.3	316,500	546,300*b									90
95	55.2	288.3	333,000	541,200*b	64.1	295.8	294,000	515,600*b									95
100	52.2	284.4	310,500	512,100*	61.4	293.0	273,900	487,900*b									100
105	49.1	280.1	290,300	485,600*	58.6	290.0	255,800	462,700*b									105
110	45.7	275.2	271,900	461,400*	55.7	286.5	239,400	439,700*b	64.3	292.4	206,600	417,700*b					110
115	42.2	269.7	255,100	439,100*	52.7	282.7	224,500	418,500*	61.6	289.7	193,400	397,700*b					115
120	38.4	263.5	239,700	418,600*	49.5	278.4	210,900	399,100*	58.8	286.6	181,400	379,200*b					120
125	34.2	256.2	225,400	399,600*	46.2	273.7	198,300	381,100*	55.9	283.2	170,400	362,200*b					125
130	29.4	247.7	212,000	381,800*	42.7	268.3	186,600	364,400*	52.9	279.4	160,100	346,000*					130
135	23.8	237.0	199,400	365,100*	38.9	262.1	175,800	348,600*	49.8	275.2	150,700	330,800*	58.9	281.7	125,200	312,800*b	135
140	16.2	221.9	186,900	348,800*	34.8	255.1	165,600	333,500*	46.5	270.5	141,800	316,600*	56.0	278.3	117,600	299,400*b	140
145					30.2	246.7	155,900	319,300*	43.0	265.2	133,500	303,300*	53.0	274.5	110,400	286,900*	145
150					24.7	236.4	146,600	305,900*	39.3	259.1	125,700	290,900*	49.9	270.3	103,700	275,200*	150
155					17.5	222.3	137,300	292,900*	35.2	252.1	118,300	279,200*	46.6	265.6	97,400	264,200*	155
160									30.6	243.9	111,100	268,100*	43.1	260.3	91,400	253,900*	160
165									25.2	233.8	104,200	257,400*	39.4	254.2	85,600	244,100*	165
170									18.3	220.2	97,100	247,100*	35.3	247.3	80,100	234,800*	170
175									3.6	189.8	88,100	235,800*	30.7	239.1	74,800	225,900*	175
180													25.3	229.0	69,500	217,300*	180
185													18.4	215.5	64,000	208,900*	185
190													4.5	186.8	56,800	199,600*	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).

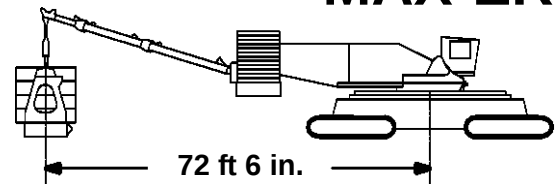
Liftcrane Luffing Jib Capacities

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
247,300 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	455,300	691,600*b													75
80	67.7	319.9	418,000	646,400*b													80
85	65.5	317.6	385,600	606,400*b													85
90	63.2	315.0	357,100	570,700*b													90
95	60.8	312.2	331,900	538,700*b	68.0	317.9	290,900	511,800*b									95
100	58.4	309.1	309,400	509,700*	65.8	315.6	270,800	484,300*b									100
105	56.0	305.7	289,300	483,300*	63.5	313.1	252,800	459,200*b									105
110	53.4	302.0	271,000	459,300*	61.2	310.4	236,600	436,400*b									110
115	50.8	297.9	254,500	437,300*	58.8	307.3	221,800	415,400*									115
120	48.0	293.4	239,300	417,000*	56.3	304.0	208,300	396,200*	63.7	309.7	177,200	375,200*b					120
125	45.1	288.5	225,400	398,300*	53.8	300.3	195,900	378,400*	61.4	307.0	166,300	358,300*b					125
130	42.1	282.9	212,500	380,900*	51.1	296.2	184,500	361,900*	59.0	304.0	156,300	342,500*					130
135	38.8	276.8	200,600	364,700*	48.4	291.8	174,000	346,500*	56.5	300.6	147,000	327,400*					135
140	35.3	269.8	189,400	349,500*	45.5	286.9	164,100	331,700*	54.0	297.0	138,400	313,500*					140
145	31.5	261.8	178,900	334,900*	42.5	281.5	155,000	317,900*	51.4	293.0	130,400	300,400*	59.0	299.0	105,700	282,900*	145
150	27.1	252.4	169,000	321,100*	39.3	275.4	146,300	304,900*	48.7	288.6	122,800	288,200*	56.6	295.7	99,200	271,400*	150
155	21.9	240.7	159,400	307,900*	35.8	268.6	138,200	292,800*	45.8	283.7	115,800	276,800*	54.0	292.1	93,100	260,600*	155
160	14.9	224.4	149,800	295,200*	32.0	260.8	130,500	281,300*	42.8	278.4	109,100	266,000*	51.4	288.1	87,400	250,500*	160
165					27.8	251.6	123,000	270,400*	39.6	272.4	102,800	255,800*	48.7	283.7	82,000	240,900*	165
170					22.7	240.3	115,800	259,900*	36.2	265.6	96,800	246,200*	45.9	278.9	76,800	231,900*	170
175					16.1	224.9	108,500	249,700*	32.4	257.9	91,000	237,100*	42.9	273.5	71,900	223,400*	175
180									28.2	248.9	85,400	228,300*	39.7	267.5	67,200	215,300*	180
185									23.2	237.8	79,800	219,900*	36.2	260.8	62,700	207,500*	185
190									16.8	223.0	74,200	211,600*	32.5	253.1	58,400	200,100*	190
195									3.1	190.0	66,700	202,300*	28.3	244.1	54,100	193,000*	195
200													23.3	233.1	49,800	186,100*	200
205													16.9	218.3	45,300	179,200*	205
210													4.0	187.1	39,300	171,500*	210

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

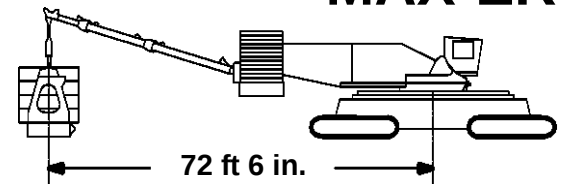
Do not luff into area indicated by
(c) with 37,000 lb minimum weight
(see CAUTION on page 1).

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
247,300 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	454,300	689,100* ^b													75
80	70.7	341.5	416,800	644,000* ^b													80
85	68.7	339.5	384,300	604,100* ^b													85
90	66.8	337.3	355,800	568,500* ^b													90
95	64.8	335.0	330,600	536,500* ^b													95
100	62.8	332.4	308,100	507,600*	69.0	337.5	268,200	481,400* ^b									100
105	60.7	329.5	288,000	481,400*	67.1	335.4	250,200	456,500* ^b									105
110	58.6	326.5	269,800	457,500*	65.1	333.0	234,100	433,700* ^b									110
115	56.5	323.1	253,300	435,500*	63.1	330.5	219,400	412,900*									115
120	54.3	319.5	238,300	415,400*	61.0	327.7	206,000	393,700*									120
125	52.0	315.6	224,500	396,800*	58.9	324.6	193,700	376,000*									125
130	49.6	311.4	211,800	379,500*	56.8	321.4	182,400	359,700*	63.3	327.1	153,100	339,700*					130
135	47.2	306.7	200,100	363,500*	54.6	317.8	172,000	344,500*	61.2	324.3	143,900	324,700*					135
140	44.7	301.7	189,200	348,600*	52.3	313.9	162,300	329,900*	59.1	321.3	135,400	310,900*					140
145	42.0	296.2	179,000	334,400*	50.0	309.7	153,300	316,200*	57.0	318.0	127,600	297,900*					145
150	39.2	290.1	169,500	320,800*	47.6	305.1	144,900	303,400*	54.8	314.5	120,200	285,900*					150
155	36.2	283.3	160,600	308,200*	45.0	300.2	137,100	291,400*	52.5	310.6	113,300	274,600*	59.2	316.4	89,700	257,800*	155
160	32.9	275.7	152,100	296,200*	42.4	294.7	129,700	280,200*	50.2	306.5	106,800	263,900*	57.0	313.1	84,100	247,700*	160
165	29.3	267.0	144,100	284,900*	39.6	288.7	122,700	269,600*	47.8	302.0	100,700	253,900*	54.8	309.6	78,800	238,300*	165
170	25.2	256.8	136,400	274,200*	36.6	282.0	116,000	259,600*	45.3	297.0	95,000	244,500*	52.6	305.7	73,800	229,400*	170
175	20.4	244.2	128,900	263,800*	33.4	274.6	109,700	250,100*	42.6	291.6	89,500	235,600*	50.2	301.6	69,100	221,000*	175
180	13.8	226.7	121,300	253,800*	29.9	266.1	103,600	241,000*	39.8	285.6	84,300	227,100*	47.8	297.1	64,700	213,100*	180
185					25.9	256.1	97,700	232,300*	36.9	279.0	79,300	219,100*	45.3	292.1	60,400	205,500*	185
190					21.1	243.9	91,900	224,000*	33.7	271.7	74,500	211,400*	42.7	286.7	56,300	198,300*	190
195					15.0	227.4	86,000	215,800*	30.2	263.3	69,900	204,000*	39.9	280.8	52,400	191,500*	195
200									26.2	253.5	65,300	197,000*	36.9	274.2	48,700	184,900*	200
205									21.6	241.5	60,800	190,100*	33.7	266.8	45,000	178,700*	205
210									15.6	225.6	56,200	183,300*	30.2	258.4	41,500	172,600*	210
215									2.8	190.1	49,900	175,600*	26.3	248.7	38,000	166,800*	215
220													21.7	236.8	34,400	161,000*	220
225													15.8	221.0	30,700	155,400*	225
230													3.6	187.4	25,600	148,800*	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

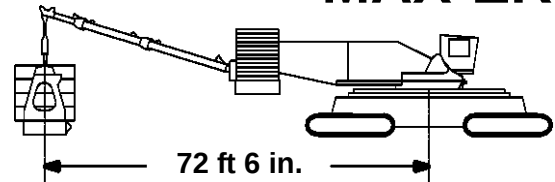
200,000 lb Carbody Counterweight

247,300 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	
75	74.6	364.2	453,000	685,300*b													75
80	72.9	362.6	415,200	640,400*b													80
85	71.2	360.9	382,400	600,500*b													85
90	69.5	359.0	353,700	565,000*b													90
95	67.8	357.0	328,300	533,100*													95
100	66.0	354.7	305,700	504,200*													100
105	64.3	352.3	285,500	478,100*	69.7	357.0	246,400	452,300*b									105
110	62.5	349.7	267,300	454,200*	68.0	355.0	230,200	429,600*									110
115	60.6	346.9	250,800	432,400*	66.3	352.8	215,500	408,900*									115
120	58.8	343.8	235,700	412,300*	64.5	350.4	202,100	389,800*									120
125	56.9	340.5	221,900	393,700*	62.7	347.8	189,900	372,200*									125
130	54.9	337.0	209,300	376,600*	60.9	345.0	178,600	355,900*									130
135	52.9	333.2	197,600	360,600*	59.0	342.0	168,200	340,800*	64.7	347.0	139,000	320,500*					135
140	50.9	329.1	186,800	345,800*	57.2	338.7	158,600	326,400*	62.9	344.4	130,600	306,700*					140
145	48.8	324.8	176,700	331,900*	55.2	335.2	149,700	312,900*	61.1	341.6	122,800	293,900*					145
150	46.6	320.0	167,300	318,500*	53.2	331.5	141,400	300,200*	59.2	338.6	115,500	281,900*					150
155	44.3	314.9	158,500	305,900*	51.2	327.5	133,600	288,300*	57.3	335.4	108,700	270,700*					155
160	41.9	309.4	150,300	294,100*	49.1	323.1	126,300	277,200*	55.4	331.9	102,400	260,200*					160
165	39.4	303.4	142,500	283,000*	46.9	318.5	119,500	266,700*	53.4	328.2	96,400	250,300*	59.3	333.7	73,500	234,000*	165
170	36.8	296.7	135,200	272,600*	44.6	313.4	113,000	256,800*	51.4	324.2	90,700	240,900*	57.4	330.5	68,600	225,200*	170
175	34.0	289.4	128,200	262,600*	42.3	307.9	106,900	247,500*	49.3	319.9	85,400	232,100*	55.4	327.0	64,100	216,900*	175
180	30.9	281.2	121,600	253,200*	39.8	302.0	101,100	238,600*	47.1	315.3	80,400	223,800*	53.4	323.3	59,700	209,100*	180
185	27.5	271.9	115,200	244,200*	37.2	295.4	95,600	230,200*	44.8	310.3	75,600	215,900*	51.4	319.3	55,600	201,600*	185
190	23.7	260.9	109,000	235,600*	34.4	288.2	90,300	222,200*	42.5	304.8	71,000	208,400*	49.3	315.0	51,700	194,500*	190
195	19.1	247.4	102,900	227,300*	31.4	280.2	85,200	214,600*	40.0	298.9	66,600	201,200*	47.1	310.4	47,900	187,800*	195
200	13.0	228.8	96,700	219,100*	28.0	271.0	80,300	207,200*	37.4	292.4	62,400	194,400*	44.9	305.4	44,400	181,400*	200
205					24.3	260.3	75,500	200,200*	34.6	285.3	58,400	187,900*	42.5	299.9	40,900	175,300*	205
210					19.9	247.3	70,700	193,300*	31.7	277.3	54,500	181,600*	40.1	294.0	37,600	169,500*	210
215					14.0	229.7	65,800	186,600*	28.4	268.3	50,700	175,600*	37.5	287.6	34,400	163,800*	215
220									24.7	257.8	46,900	169,700*	34.7	280.4	31,400	158,500*	220
225									20.3	245.0	43,200	164,000*	31.7	272.5	28,300	153,300*	225
230									14.7	228.1	39,200	158,300*	28.4	263.5	25,400	148,200*	230
235									2.5	190.2	33,900	151,800*	24.7	253.0	22,400	143,300*	235
240													20.4	240.3	19,400	138,500*	240
245													14.8	223.4	16,300	133,700*	245
250													3.3	187.8	11,800	128,100*	250

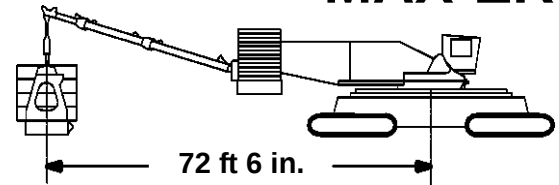
Capacities indicated by (b) require
37,000 lb minimum weight
suspended beneath luffing jib point.

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
247,300 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	
80	74.7	383.6	413,200	637,400*(b)													80
85	73.2	382.0	380,300	597,600*(b)													85
90	71.6	380.4	351,400	562,100*(b)													90
95	70.1	378.5	326,000	530,200*													95
100	68.6	376.6	303,400	501,500*													100
105	67.0	374.4	283,100	475,300*													105
110	65.4	372.1	264,800	451,500*													110
115	63.8	369.6	248,300	429,700*	68.8	374.6	212,100	405,700*									115
120	62.2	367.0	233,200	409,700*	67.2	372.5	198,800	386,700*									120
125	60.6	364.2	219,500	391,200*	65.7	370.2	186,500	369,200*									125
130	58.9	361.1	206,800	374,100*	64.1	367.7	175,300	352,900*									130
135	57.2	357.9	195,200	358,200*	62.5	365.1	165,000	337,900*									135
140	55.5	354.5	184,400	343,500*	60.8	362.3	155,500	323,600*									140
145	53.7	350.8	174,400	329,700*	59.1	359.3	146,600	310,100*	64.2	364.3	119,000	290,700*					145
150	51.9	346.8	165,100	316,300*	57.4	356.1	138,300	297,500*	62.6	361.7	111,700	278,800*					150
155	50.0	342.6	156,400	303,900*	55.7	352.7	130,600	285,700*	61.0	358.9	105,000	267,600*					155
160	48.1	338.1	148,200	292,200*	53.9	349.0	123,400	274,600*	59.3	356.0	98,700	257,100*					160
165	46.1	333.3	140,600	281,200*	52.1	345.1	116,600	264,200*	57.6	352.8	92,800	247,300*					165
170	44.0	328.2	133,400	270,800*	50.3	341.0	110,300	254,400*	55.9	349.4	87,200	238,100*					170
175	41.9	322.6	126,600	261,000*	48.3	336.5	104,300	245,200*	54.1	345.7	82,000	229,300*	59.3	351.0	60,000	213,700*	175
180	39.6	316.6	120,100	251,700*	46.4	331.8	98,600	236,400*	52.3	341.9	77,000	221,100*	57.6	347.9	55,700	205,900*	180
185	37.3	310.1	114,000	242,900*	44.3	326.7	93,200	228,100*	50.4	337.7	72,300	213,200*	55.9	344.5	51,700	198,500*	185
190	34.8	303.0	108,200	234,600*	42.2	321.2	88,000	220,200*	48.5	333.3	67,900	205,800*	54.1	340.8	47,900	191,500*	190
195	32.1	295.1	102,600	226,600*	40.0	315.2	83,200	212,700*	46.5	328.6	63,600	198,700*	52.3	337.0	44,200	184,900*	195
200	29.2	286.4	97,200	219,000*	37.6	308.8	78,500	205,600*	44.5	323.5	59,600	192,000*	50.5	332.8	40,800	178,500*	200
205	26.0	276.4	92,000	211,700*	35.2	301.8	74,000	198,800*	42.4	318.0	55,700	185,600*	48.5	328.4	37,400	172,500*	205
210	22.4	264.8	86,900	204,600*	32.5	294.0	69,700	192,200*	40.2	312.1	52,000	179,500*	46.6	323.7	34,300	166,800*	210
215	18.1	250.5	81,900	197,800*	29.7	285.4	65,500	185,900*	37.8	305.8	48,400	173,600*	44.5	318.6	31,200	161,200*	215
220	12.3	230.8	76,700	190,900*	26.5	275.7	61,500	179,900*	35.4	298.8	45,000	168,000*	42.4	313.2	28,300	156,000*	220
225					23.0	264.3	57,500	174,000*	32.8	291.1	41,600	162,600*	40.2	307.3	25,500	150,900*	225
230					18.8	250.5	53,500	168,300*	29.9	282.6	38,400	157,400*	37.9	300.9	22,700	146,100*	230
235					13.3	231.9	49,300	162,600*	26.8	273.0	35,200	152,300*	35.4	294.0	20,100	141,400*	235
240									23.3	261.8	32,000	147,400*	32.8	286.3	17,500	136,900*	240
245									19.2	248.3	28,800	142,600*	30.0	277.8	15,000	132,500*	245
250									13.9	230.4	25,500	137,700*	26.9	268.2	12,400	128,200*	250
260													19.3	243.6	7,400	120,000*	260
270													3.1	188.1	800	111,000*	270

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

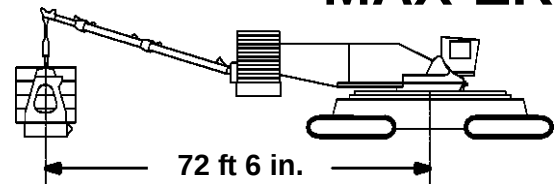
Liftcrane Luffing Jib Capacities

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
247,300 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	
85	74.7	403.0	377,100	558,500*(b)													85
90	73.4	401.4	348,100	558,300*(b)													90
95	72.0	399.8	322,600	526,500*													95
100	70.6	398.0	299,900	497,800*													100
105	69.2	396.1	279,600	471,700*													105
110	67.8	394.0	261,300	447,900*													110
115	66.4	391.9	244,700	426,100*													115
120	65.0	389.5	229,600	406,100*	69.4	394.1	194,100	382,500*									120
125	63.5	387.0	215,800	387,700*	68.0	392.1	181,900	365,000*									125
130	62.0	384.3	203,200	370,600*	66.6	389.9	170,700	348,800*									130
135	60.5	381.5	191,600	354,800*	65.2	387.6	160,400	333,800*									135
140	59.0	378.5	180,800	340,100*	63.7	385.1	150,900	319,800*									140
145	57.5	375.3	170,800	326,300*	62.2	382.4	142,000	306,300*									145
150	55.9	371.9	161,500	313,200*	60.7	379.6	133,800	293,700*									150
155	54.3	368.3	152,800	300,800*	59.2	376.6	126,200	282,000*	63.8	381.7	99,700	263,300*					155
160	52.6	364.4	144,700	289,100*	57.7	373.5	119,000	271,000*	62.4	379.0	93,500	252,900*					160
165	51.0	360.4	137,100	278,200*	56.1	370.1	112,300	260,600*	60.9	376.2	87,600	243,200*					165
170	49.2	356.1	130,000	267,800*	54.5	366.5	106,000	250,900*	59.4	373.3	82,100	234,000*					170
175	47.5	351.5	123,200	258,100*	52.9	362.7	100,000	241,700*	57.8	370.1	76,900	225,300*					175
180	45.7	346.6	116,900	248,900*	51.2	358.7	94,400	233,000*	56.3	366.8	72,100	217,100*					180
185	43.8	341.4	110,800	240,200*	49.5	354.4	89,100	224,700*	54.7	363.2	67,400	209,300*	59.4	368.4	46,100	194,100*	185
190	41.8	335.8	105,100	231,900*	47.7	349.9	84,000	216,900*	53.0	359.5	63,000	201,900*	57.8	365.2	42,300	187,200*	190
195	39.8	329.9	99,700	224,000*	45.9	345.0	79,200	209,500*	51.4	355.4	58,900	194,900*	56.3	361.9	38,800	180,600*	195
200	37.7	323.4	94,500	216,600*	44.1	339.9	74,700	202,400*	49.7	351.2	54,900	188,300*	54.7	358.3	35,400	174,300*	200
205	35.5	316.5	89,500	209,400*	42.1	334.4	70,300	195,700*	47.9	346.7	51,100	182,000*	53.1	354.5	32,100	168,400*	205
210	33.1	308.9	84,700	202,600*	40.1	328.5	66,100	189,300*	46.1	341.9	47,500	175,900*	51.4	350.5	29,100	162,700*	210
215	30.6	300.6	80,100	196,000*	38.0	322.1	62,100	183,100*	44.2	336.7	44,000	170,100*	49.7	346.3	26,100	157,200*	215
220	27.8	291.3	75,700	189,700*	35.8	315.2	58,300	177,200*	42.3	331.3	40,700	164,600*	47.9	341.8	23,300	152,000*	220
225	24.8	280.8	71,400	183,600*	33.4	307.7	54,600	171,600*	40.3	325.4	37,500	159,300*	46.1	337.0	20,600	147,100*	225
230	21.3	268.5	67,100	177,700*	30.9	299.5	51,000	166,100*	38.2	319.1	34,500	154,200*	44.3	331.9	17,900	142,300*	230
235	17.2	253.5	62,900	172,000*	28.2	290.4	47,500	160,900*	36.0	312.3	31,500	149,300*	42.3	326.4	15,400	137,700*	235
240	11.6	232.7	58,500	166,200*	25.2	280.1	44,100	155,800*	33.7	304.8	28,600	144,600*	40.3	320.5	13,000	133,300*	240
245					21.9	268.1	40,700	150,800*	31.2	296.7	25,800	140,000*	38.2	314.2	10,600	129,000*	245
250					17.8	253.6	37,300	146,000*	28.5	287.6	23,000	135,600*	36.0	307.4	8,300	124,900*	250
260									22.2	265.7	17,600	127,100*	31.2	291.9	3,900	117,100*	260
270									13.2	232.6	12,000	118,800*	25.6	272.7		109,800*	270
280													18.3	246.7		102,700*	280
290													2.9	188.3		94,800*	290

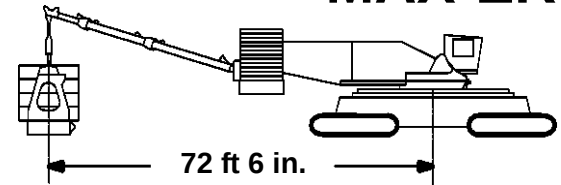
Capacities indicated by (b) require
37,000 lb minimum weight
suspended beneath luffing jib point.

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
247,300 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	
90	74.8	422.3	346,500	486,100*													90
95	73.6	420.8	320,600	486,100*													95
100	72.3	419.2	297,700	486,100*													100
105	71.0	417.5	277,100	468,300*													105
110	69.8	415.6	258,700	444,600*													110
115	68.5	413.6	242,000	422,800*													115
120	67.2	411.5	226,800	402,900*													120
125	65.9	409.3	212,900	384,400*	69.9	413.6	178,200	361,400*									125
130	64.5	406.9	200,200	367,400*	68.7	411.7	167,000	345,200*									130
135	63.2	404.3	188,500	351,600*	67.4	409.6	156,600	330,200*									135
140	61.9	401.6	177,600	336,900*	66.1	407.3	147,100	316,300*									140
145	60.5	398.8	167,600	323,100*	64.7	405.0	138,200	302,900*									145
150	59.1	395.8	158,300	310,100*	63.4	402.4	130,000	290,300*									150
155	57.7	392.6	149,600	297,700*	62.1	399.8	122,300	278,600*									155
160	56.2	389.3	141,500	286,100*	60.7	396.9	115,200	267,600*	64.9	401.5	89,100	249,200*					160
165	54.8	385.7	133,900	275,200*	59.3	394.0	108,400	257,300*	63.5	399.0	83,200	239,500*					165
170	53.3	382.0	126,700	264,900*	57.9	390.8	102,100	247,500*	62.2	396.4	77,700	230,300*					170
175	51.8	378.0	120,000	255,200*	56.4	387.5	96,200	238,400*	60.8	393.6	72,600	221,700*					175
180	50.2	373.9	113,600	246,000*	55.0	384.0	90,600	229,700*	59.4	390.6	67,700	213,500*					180
185	48.6	369.5	107,600	237,300*	53.5	380.3	85,300	221,500*	58.0	387.5	63,100	205,800*					185
190	47.0	364.8	101,900	229,100*	52.0	376.4	80,300	213,700*	56.6	384.2	58,700	198,400*					190
195	45.3	359.9	96,500	221,300*	50.4	372.2	75,500	206,300*	55.1	380.7	54,600	191,500*	59.4	385.7	34,000	176,800*	195
200	43.6	354.6	91,400	213,900*	48.9	367.9	71,000	199,300*	53.6	377.0	50,700	184,900*	58.0	382.6	30,700	170,600*	200
205	41.8	349.1	86,500	206,800*	47.2	363.2	66,700	192,600*	52.1	373.1	46,900	178,600*	56.6	379.2	27,500	164,700*	205
210	39.9	343.1	81,800	200,000*	45.6	358.3	62,500	186,300*	50.6	369.0	43,400	172,600*	55.1	375.8	24,400	159,000*	210
215	38.0	336.8	77,300	193,500*	43.8	353.1	58,600	180,200*	49.0	364.6	39,900	166,800*	53.7	372.1	21,500	153,600*	215
220	36.0	329.9	73,000	187,300*	42.1	347.6	54,800	174,300*	47.4	360.0	36,700	161,300*	52.2	368.2	18,700	148,500*	220
225	33.9	322.6	68,900	181,400*	40.2	341.7	51,200	168,800*	45.7	355.1	33,600	156,100*	50.6	364.1	16,100	143,500*	225
230	31.6	314.5	64,900	175,700*	38.3	335.4	47,800	163,400*	44.0	350.0	30,500	151,000*	49.0	359.7	13,500	138,800*	230
235	29.2	305.7	61,100	170,200*	36.3	328.7	44,400	158,300*	42.2	344.5	27,700	146,200*	47.4	355.1	11,000	134,300*	235
240	26.6	296.0	57,300	164,900*	34.2	321.4	41,200	153,300*	40.4	338.6	24,900	141,600*	45.7	350.3	8,700	129,900*	240
245	23.7	284.9	53,700	159,800*	31.9	313.5	38,000	148,500*	38.5	332.4	22,200	137,100*	44.0	345.1	6,400	125,700*	245
250	20.4	272.0	50,100	154,800*	29.5	304.8	35,000	143,900*	36.5	325.7	19,600	132,800*	42.3	339.6	4,200	121,700*	250
260	11.1	234.6	42,600	144,900*	24.1	284.3	29,100	135,100*	32.1	310.6	14,600	124,600*	38.5	327.5		114,100*	260
270					17.0	256.5	23,200	126,700*	27.2	292.4	9,800	116,900*	34.4	313.6		106,900*	270
280									21.2	269.3	5,100	109,600*	29.8	297.1		100,200*	280
290									12.6	234.7	200	102,400*	24.4	276.9		93,800*	290
300													17.5	249.7		87,600*	300
310													2.7	188.6		80,700*	310

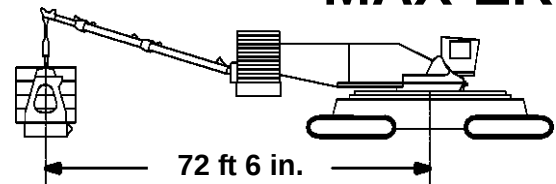
Liftcrane Luffing Jib Capacities

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
247,300 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

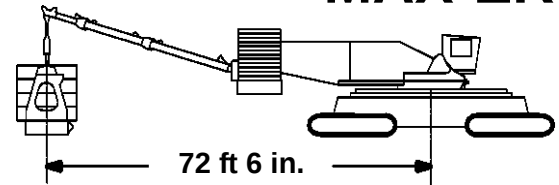
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing 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	
95	74.9	441.7	317,100	423,300*													95
100	73.7	440.2	294,100	423,300*													100
105	72.6	438.6	273,500	423,300*													105
110	71.4	436.9	255,000	423,300*													110
115	70.2	435.1	238,200	419,100*													115
120	69.0	433.2	223,000	399,200*													120
125	67.8	431.1	209,100	380,800*													125
130	66.6	429.0	196,300	363,800*													130
135	65.4	426.7	184,600	348,000*	69.2	431.2	151,800	326,100*									135
140	64.2	424.2	173,700	333,300*	68.0	429.2	142,300	312,200*									140
145	63.0	421.7	163,700	319,600*	66.8	427.0	133,500	298,900*									145
150	61.7	419.0	154,400	306,800*	65.6	424.7	125,300	286,400*									150
155	60.4	416.1	145,700	294,400*	64.4	422.3	117,600	274,700*									155
160	59.2	413.1	137,600	282,800*	63.1	419.8	110,500	263,800*									160
165	57.9	410.0	130,000	271,900*	61.9	417.1	103,800	253,500*									165
170	56.5	406.7	122,800	261,600*	60.6	414.3	97,500	243,800*	64.5	418.9	72,400	226,100*					170
175	55.2	403.2	116,100	251,900*	59.3	411.3	91,600	234,600*	63.3	416.4	67,300	217,500*					175
180	53.8	399.5	109,800	242,800*	58.0	408.2	86,000	226,000*	62.0	413.7	62,400	209,300*					180
185	52.4	395.7	103,800	234,100*	56.7	404.9	80,700	217,800*	60.7	410.9	57,900	201,600*					185
190	51.0	391.6	98,100	225,900*	55.4	401.4	75,800	210,100*	59.5	407.9	53,600	194,300*					190
195	49.6	387.4	92,800	218,200*	54.0	397.8	71,000	202,700*	58.2	404.8	49,500	187,400*					195
200	48.1	382.9	87,700	210,800*	52.6	394.0	66,500	195,800*	56.8	401.5	45,600	180,900*					200
205	46.6	378.1	82,800	203,700*	51.2	389.9	62,300	189,100*	55.5	398.1	41,900	174,600*	59.5	403.0	21,800	160,300*	205
210	45.0	373.1	78,200	197,000*	49.8	385.7	58,200	182,800*	54.2	394.5	38,400	168,600*	58.2	399.9	18,900	154,700*	210
215	43.4	367.9	73,800	190,600*	48.3	381.2	54,300	176,700*	52.8	390.7	35,000	162,900*	56.9	396.6	16,000	149,400*	215
220	41.8	362.3	69,500	184,400*	46.8	376.5	50,600	170,900*	51.4	386.7	31,800	157,500*	55.5	393.2	13,300	144,200*	220
225	40.1	356.4	65,500	178,600*	45.2	371.6	47,100	165,400*	49.9	382.5	28,700	152,300*	54.2	389.6	10,700	139,400*	225
230	38.3	350.1	61,600	172,900*	43.6	366.4	43,700	160,100*	48.4	378.0	25,800	147,300*	52.8	385.8	8,200	134,700*	230
235	36.4	343.4	57,900	167,500*	42.0	360.8	40,400	155,000*	46.9	373.4	23,000	142,500*	51.4	381.8	5,800	130,200*	235
240	34.5	336.1	54,300	162,300*	40.3	355.0	37,200	150,100*	45.4	368.4	20,200	137,900*	49.9	377.6	3,500	125,900*	240
245	32.5	328.4	50,800	157,300*	38.5	348.7	34,200	145,400*	43.8	363.2	17,600	133,500*	48.5	373.1	1,200	121,700*	245
250	30.3	319.9	47,400	152,500*	36.7	342.1	31,300	140,900*	42.2	357.7	15,100	129,300*	47.0	368.5		117,800*	250
260	25.5	300.4	40,900	143,300*	32.8	327.2	25,700	132,300*	38.7	345.7	10,300	121,200*	43.8	358.3		110,200*	260
270	19.5	275.4	34,600	134,600*	28.3	309.8	20,400	124,300*	35.0	332.0	5,800	113,700*	40.5	347.0		103,200*	270
280	10.6	236.3	28,100	126,000*	23.1	288.3	15,300	116,700*	30.8	316.1	1,500	106,700*	36.9	334.2		96,700*	280
290					16.3	259.3	10,100	109,400*	26.1	297.0		100,000*	33.0	319.5		90,500*	290
300									20.3	272.9		93,700*	28.6	302.2		84,700*	300
310									12.0	236.7		87,300*	23.4	281.0		79,100*	310
320													16.8	252.6		73,600*	320
330													2.5	188.9		67,400*	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
247,300 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	
100	74.9	461.1	291,100	369,900*													100
105	73.8	459.6	270,400	369,900*													105
110	72.8	458.0	251,800	369,900*													110
115	71.7	456.4	235,000	369,900*													115
120	70.6	454.6	219,700	369,900*													120
125	69.5	452.7	205,800	369,900*													125
130	68.4	450.7	193,000	360,700*													130
135	67.3	448.6	181,200	344,900*													135
140	66.2	446.4	170,400	330,300*	69.7	450.7	138,400	308,800*									140
145	65.0	444.0	160,300	316,600*	68.6	448.7	129,500	295,600*									145
150	63.9	441.6	151,000	303,800*	67.5	446.6	121,300	283,100*									150
155	62.8	439.0	142,300	291,500*	66.3	444.4	113,700	271,500*									155
160	61.6	436.3	134,200	279,900*	65.2	442.1	106,600	260,500*									160
165	60.4	433.4	126,600	269,000*	64.1	439.7	99,900	250,300*									165
170	59.2	430.5	119,500	258,800*	62.9	437.1	93,600	240,600*									170
175	58.0	427.3	112,800	249,100*	61.8	434.4	87,700	231,500*									175
180	56.8	424.0	106,400	240,000*	60.6	431.6	82,200	222,900*	64.2	436.3	58,100	205,900*					180
185	55.5	420.6	100,500	231,400*	59.4	428.6	76,900	214,700*	63.0	433.7	53,600	198,300*					185
190	54.3	417.0	94,800	223,200*	58.2	425.5	72,000	207,000*	61.9	431.0	49,300	191,000*					190
195	53.0	413.2	89,500	215,400*	57.0	422.2	67,300	199,700*	60.7	428.2	45,300	184,100*					195
200	51.7	409.3	84,400	208,100*	55.7	418.8	62,800	192,700*	59.5	425.2	41,400	177,600*					200
205	50.4	405.1	79,600	201,000*	54.5	415.2	58,600	186,100*	58.3	422.2	37,800	171,300*					205
210	49.0	400.8	75,000	194,300*	53.2	411.5	54,500	179,800*	57.1	418.9	34,300	165,400*					210
215	47.6	396.2	70,600	188,000*	51.9	407.6	50,700	173,800*	55.8	415.5	30,900	159,700*	59.5	420.3	11,500	145,900*	215
220	46.2	391.4	66,400	181,900*	50.6	403.5	47,000	168,000*	54.6	412.0	27,800	154,300*	58.3	417.2	8,800	140,800*	220
225	44.8	386.4	62,400	176,000*	49.2	399.1	43,500	162,500*	53.3	408.2	24,700	149,100*	57.1	414.0	6,300	135,900*	225
230	43.3	381.1	58,600	170,400*	47.8	394.6	40,100	157,300*	52.0	404.3	21,800	144,200*	55.9	410.6	3,800	131,300*	230
235	41.7	375.5	54,900	165,100*	46.4	389.9	36,900	152,200*	50.7	400.2	19,000	139,400*	54.6	407.0	1,500	126,800*	235
240	40.2	369.6	51,300	159,900*	45.0	384.9	33,800	147,400*	49.3	395.9	16,400	134,900*	53.3	403.3		122,600*	240
245	38.5	363.4	47,900	155,000*	43.5	379.6	30,800	142,700*	48.0	391.4	13,800	130,500*	52.0	399.4		118,500*	245
250	36.8	356.7	44,600	150,200*	42.0	374.1	27,900	138,200*	46.6	386.7	11,300	126,300*	50.7	395.3		114,500*	250
260	33.2	342.1	38,400	141,200*	38.8	362.0	22,500	129,800*	43.6	376.5	6,600	118,300*	48.0	386.5		107,100*	260
270	29.2	325.1	32,500	132,800*	35.3	348.4	17,400	121,900*	40.5	365.1	2,200	110,900*	45.1	376.8		100,100*	270
280	24.5	304.7	26,900	124,800*	31.5	332.9	12,600	114,500*	37.2	352.4		104,000*	42.1	366.1		93,700*	280
290	18.8	278.6	21,500	117,300*	27.3	314.6	8,000	107,500*	33.6	338.0		97,500*	38.9	354.1		87,600*	290
300	10.2	238.0	15,700	109,800*	22.2	292.2	3,500	100,900*	29.7	321.3		91,400*	35.5	340.6		81,900*	300
310					15.7	262.0		94,500*	25.1	301.4		85,600*	31.7	325.2		76,500*	310
320									19.5	276.2		80,000*	27.5	307.1		71,400*	320
330									11.6	238.6		74,400*	22.5	285.0		66,500*	330
340													16.1	255.3		61,400*	340
350													2.4	189.1		54,400*	350

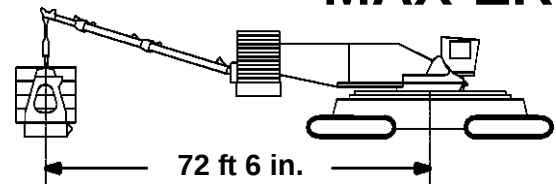
Liftcrane Luffing Jib Capacities

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
247,300 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

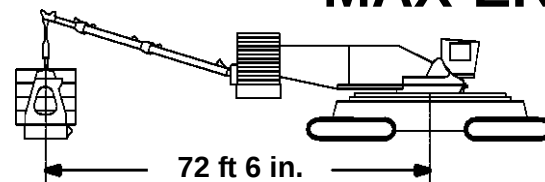
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing 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	
105	74.9	480.4	268,300	330,000*													105
110	73.9	479.0	249,500	330,000*													110
115	73.0	477.4	232,400	330,000*													115
120	71.9	475.8	217,000	330,000*													120
125	70.9	474.0	202,900	330,000*													125
130	69.9	472.2	189,900	330,000*													130
135	68.9	470.3	178,100	321,700*													135
140	67.9	468.2	167,100	318,900*													140
145	66.8	466.1	157,000	309,200*													145
150	65.8	463.8	147,600	299,400*	69.0	468.3	117,000	279,100*									150
155	64.7	461.4	138,800	288,000*	68.0	466.2	109,300	267,500*									155
160	63.6	458.9	130,600	276,400*	67.0	464.1	102,100	256,600*									160
165	62.6	456.3	123,000	265,600*	65.9	461.9	95,400	246,300*									165
170	61.5	453.6	115,800	255,300*	64.9	459.5	89,200	236,700*									170
175	60.4	450.8	109,000	245,700*	63.8	457.0	83,200	227,600*									175
180	59.3	447.8	102,700	236,600*	62.7	454.4	77,700	219,000*									180
185	58.1	444.7	96,700	228,000*	61.6	451.7	72,400	210,900*	65.0	456.1	48,400	194,000*					185
190	57.0	441.4	91,000	219,800*	60.5	448.9	67,500	203,200*	63.9	453.6	44,100	186,800*					190
195	55.9	438.0	85,700	212,100*	59.4	445.9	62,800	195,900*	62.8	451.0	40,100	179,900*					195
200	54.7	434.5	80,600	204,700*	58.3	442.8	58,300	189,000*	61.7	448.4	36,300	173,400*					200
205	53.5	430.7	75,700	197,700*	57.2	439.6	54,100	182,400*	60.6	445.5	32,600	167,200*					205
210	52.3	426.9	71,100	191,000*	56.0	436.2	50,000	176,100*	59.5	442.6	29,100	161,300*					210
215	51.1	422.8	66,700	184,600*	54.9	432.7	46,200	170,100*	58.4	439.5	25,800	155,700*					215
220	49.8	418.6	62,600	177,300*	53.7	429.0	42,500	164,400*	57.3	436.3	22,700	150,300*					220
225	48.5	414.2	58,600	170,200*	52.5	425.2	39,000	158,900*	56.1	432.9	19,700	145,100*	59.6	437.7	600	131,600*	225
230	47.2	409.6	54,700	163,300*	51.2	421.1	35,700	153,700*	55.0	429.4	16,800	140,200*	58.4	434.6		127,000*	230
235	45.9	404.7	51,100	156,700*	50.0	417.0	32,500	148,600*	53.8	425.7	14,000	135,500*	57.3	431.4		122,600*	235
240	44.5	399.7	47,600	150,300*	48.7	412.6	29,400	143,800*	52.6	421.9	11,400	131,000*	56.1	428.0		118,300*	240
245	43.2	394.3	44,200	144,000*	47.4	408.0	26,400	139,200*	51.3	417.9	8,800	126,600*	55.0	424.5		114,200*	245
250	41.7	388.7	40,900	137,900*	46.1	403.2	23,600	134,700*	50.1	413.7	6,400	122,400*	53.8	420.8		110,300*	250
260	38.7	376.6	34,800	126,400*	43.4	392.8	18,200	126,300*	47.5	404.8	1,800	114,600*	51.4	413.0		102,900*	260
270	35.5	363.1	29,000	115,600*	40.5	381.5	13,200	118,500*	44.9	395.0		107,200*	48.9	404.4		96,100*	270
280	32.0	347.8	23,600	105,500*	37.4	368.8	8,500	111,200*	42.1	384.2		100,400*	46.2	395.1		89,700*	280
290	28.1	330.1	18,500	96,200*	34.0	354.5	4,100	104,400*	39.1	372.2		94,000*	43.5	384.8		83,700*	290
300	23.6	308.9	13,600	87,500*	30.4	338.3		98,000*	35.9	358.9		88,000*	40.6	373.5		78,100*	300
310	18.1	281.8	8,800	79,600*	26.3	319.2		91,900*	32.4	343.8		82,300*	37.5	360.9		72,800*	310
320	9.9	239.6	3,700	73,200*	21.5	296.0		85,100*	28.6	326.4		77,000*	34.2	346.7		67,800*	320
330					15.2	264.6		77,600*	24.2	305.7		71,800*	30.6	330.6		63,000*	330
340									18.9	279.5		66,800*	26.5	311.7		57,500*	340
350									11.2	240.5		61,800*	21.7	288.7		52,200*	350

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



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	455,200	690,100*b													75
80	64.6	318.5	418,000	645,200*b													80
85	61.9	315.8	385,600	605,300*b													85
90	59.1	312.8	357,200	569,700*b													90
95	56.3	309.5	332,000	537,700*b	65.9	317.2	286,800	508,100*b									95
100	53.3	305.7	309,500	508,800*b	63.3	314.7	267,000	480,800*b									100
105	50.2	301.5	289,300	482,400*	60.5	311.8	249,300	455,900*b									105
110	46.9	296.9	270,900	458,400*	57.7	308.6	233,200	433,300*b									110
115	43.5	291.6	254,200	436,300*	54.8	305.1	218,600	412,500*b	64.4	311.8	182,500	388,300*b					115
120	39.7	285.7	238,800	415,900*	51.7	301.1	205,300	393,300*	61.7	309.1	171,000	370,200*b					120
125	35.7	278.8	224,600	397,000*	48.5	296.7	193,000	375,600*	58.9	306.1	160,500	353,600*b					125
130	31.2	270.8	211,400	379,400*	45.2	291.8	181,600	359,100*	56.0	302.7	150,700	337,900*b					130
135	25.9	260.9	198,800	362,900*	41.6	286.2	171,000	343,800*	53.0	298.9	141,700	323,100*b					135
140	19.2	247.9	186,700	347,100*	37.7	279.8	161,100	329,000*	49.9	294.7	133,200	309,200*	59.9	301.7	105,000	289,200*b	140
145	7.5	223.9	173,600	330,900*	33.5	272.4	151,700	315,100*	46.7	290.0	125,300	296,300*	57.1	298.4	98,300	277,100*b	145
150					28.6	263.5	142,800	301,900*	43.2	284.7	117,900	284,200*	54.1	294.8	92,100	265,800*b	150
155					22.7	252.3	134,100	289,400*	39.4	278.6	110,900	272,800*	51.0	290.7	86,300	255,200*	155
160					14.6	236.1	125,200	277,200*	35.4	271.7	104,200	262,000*	47.8	286.2	80,700	245,200*	160
165									30.8	263.6	97,700	251,700*	44.4	281.1	75,500	235,800*	165
170									25.4	253.5	91,400	241,900*	40.8	275.4	70,400	226,900*	170
175									18.6	240.1	84,900	232,300*	36.8	268.8	65,600	218,400*	175
180									5.3	212.7	76,900	222,000*	32.4	261.1	60,900	210,200*	180
185													27.4	251.8	56,200	202,400*	185
190													21.2	239.9	51,400	194,700*	190
195													12.0	221.3	46,100	186,900*	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).

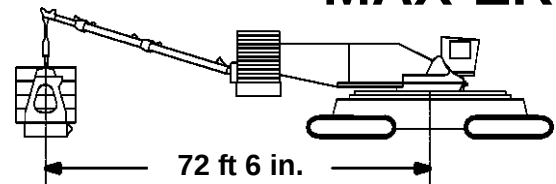
Liftcrane Luffing Jib Capacities

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
247,300 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	453,400	686,900*b													75
80	68.5	340.6	416,100	642,100*b													80
85	66.3	338.3	383,800	602,300*b													85
90	64.0	335.9	355,400	566,900*b													90
95	61.7	333.1	330,200	535,000*b	69.6	339.1	282,800	504,100*b									95
100	59.3	330.2	307,800	506,200*b	67.4	337.0	263,200	476,900*b									100
105	56.8	326.9	287,700	480,100*	65.1	334.6	245,600	452,300*b									105
110	54.3	323.3	269,500	456,200*	62.8	332.0	229,700	429,700*b									110
115	51.7	319.3	253,000	434,300*	60.4	329.1	215,300	409,100*b									115
120	49.0	315.0	237,900	414,200*	58.0	326.0	202,100	390,100*									120
125	46.1	310.2	224,100	395,600*	55.5	322.6	190,000	372,600*	63.8	329.1	155,700	349,500*b					125
130	43.2	304.9	211,300	378,300*	53.0	318.8	178,900	356,300*	61.5	326.4	146,200	334,100*b					130
135	40.0	298.9	199,400	362,200*	50.3	314.6	168,600	341,200*	59.1	323.4	137,300	319,400*b					135
140	36.6	292.3	188,300	347,200*	47.5	310.1	159,000	326,800*	56.6	320.1	129,100	305,700*					140
145	32.9	284.7	177,900	333,000*	44.6	305.0	150,000	313,200*	54.1	316.5	121,500	293,000*					145
150	28.7	275.8	168,100	319,300*	41.6	299.4	141,600	300,500*	51.5	312.5	114,300	281,100*	59.9	319.0	86,900	261,700*b	150
155	23.8	265.0	158,700	306,300*	38.3	293.1	133,700	288,500*	48.8	308.1	107,600	269,900*	57.5	315.8	81,300	251,200*	155
160	17.7	250.9	149,400	293,800*	34.7	286.0	126,200	277,200*	45.9	303.2	101,300	259,400*	55.0	312.3	76,000	241,400*	160
165	6.8	224.9	139,100	281,000*	30.8	277.8	119,100	266,500*	42.9	297.9	95,300	249,500*	52.4	308.4	71,000	232,200*	165
170					26.3	268.1	112,200	256,300*	39.7	291.9	89,600	240,100*	49.7	304.2	66,300	223,500*	170
175					20.9	255.9	105,300	246,500*	36.3	285.2	84,100	231,200*	46.9	299.5	61,800	215,200*	175
180					13.4	238.2	98,300	236,800*	32.6	277.5	78,900	222,700*	44.0	294.3	57,500	207,400*	180
185									28.3	268.5	73,800	214,600*	40.9	288.6	53,400	199,900*	185
190									23.4	257.6	68,700	206,800*	37.5	282.2	49,400	192,800*	190
195									17.1	243.0	63,500	199,100*	33.9	274.8	45,500	186,000*	195
200									4.7	213.2	56,900	190,600*	29.9	266.4	41,700	179,500*	200
205													25.2	256.2	38,000	173,100*	205
210													19.5	243.2	34,100	166,900*	210
215													11.0	223.0	29,600	160,400*	215

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

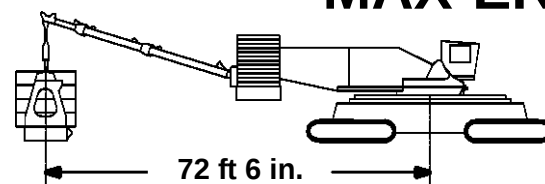
Do not luff into area indicated by
(c) with 37,000 lb minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

21000
MAX-ER



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	
75	73.2	363.7	453,500	684,300* b													75
80	71.3	362.0	415,900	639,600* b													80
85	69.4	360.1	383,300	599,900* b													85
90	67.5	358.0	354,700	564,500* b													90
95	65.5	355.7	329,500	532,800* b													95
100	63.5	353.2	307,000	504,100*													100
105	61.4	350.5	286,800	478,000*	68.4	356.6	243,300	449,300* b									105
110	59.4	347.5	268,700	454,200*	66.5	354.4	227,400	426,900* b									110
115	57.2	344.2	252,200	432,500*	64.5	352.0	213,000	406,400* b									115
120	55.0	340.7	237,200	412,400*	62.5	349.3	199,900	387,500*									120
125	52.8	336.9	223,400	394,000*	60.4	346.5	187,800	370,100*									125
130	50.5	332.8	210,700	376,800*	58.3	343.4	176,800	354,000*									130
135	48.1	328.3	199,000	360,900*	56.1	340.0	166,600	339,000*	63.3	346.5	134,100	316,500*					135
140	45.6	323.4	188,200	346,100*	53.9	336.3	157,100	324,800*	61.3	343.7	126,000	302,900*					140
145	42.9	318.1	178,000	332,200*	51.6	332.4	148,300	311,300*	59.2	340.7	118,500	290,300*					145
150	40.2	312.2	168,600	318,900*	49.3	328.1	140,100	298,700*	57.1	337.5	111,500	278,500*					150
155	37.2	305.7	159,700	306,300*	46.8	323.4	132,400	286,900*	54.9	333.9	104,900	267,400*					155
160	34.1	298.4	151,300	294,400*	44.2	318.2	125,200	275,900*	52.6	330.1	98,700	257,100*	59.9	336.3	72,400	238,400*	160
165	30.6	290.1	143,300	283,200*	41.5	312.6	118,400	265,400*	50.3	326.0	92,900	247,300*	57.8	333.1	67,500	229,300*	165
170	26.7	280.5	135,700	272,500*	38.7	306.5	111,900	255,600*	47.9	321.4	87,400	238,100*	55.6	329.7	62,900	220,700*	170
175	22.2	268.9	128,300	262,400*	35.6	299.6	105,700	246,200*	45.4	316.5	82,200	229,400*	53.4	326.0	58,600	212,600*	175
180	16.4	253.6	120,900	252,500*	32.3	291.8	99,800	237,300*	42.7	311.1	77,300	221,100*	51.1	322.0	54,500	204,900*	180
185	6.3	225.7	112,600	242,200*	28.7	282.9	94,200	228,800*	39.9	305.2	72,500	213,300*	48.7	317.6	50,600	197,600*	185
190					24.5	272.4	88,600	220,700*	37.0	298.6	68,000	205,800*	46.2	312.8	46,800	190,600*	190
195					19.5	259.2	83,100	212,800*	33.8	291.3	63,700	198,700*	43.7	307.6	43,200	184,000*	195
200					12.4	240.2	77,400	204,900*	30.3	282.9	59,400	191,900*	40.9	301.8	39,800	177,700*	200
205									26.4	273.2	55,300	185,300*	38.0	295.5	36,500	171,700*	205
210									21.8	261.3	51,100	178,800*	35.0	288.4	33,200	165,900*	210
215									15.9	245.6	46,800	172,500*	31.6	280.5	30,100	160,300*	215
220									4.3	213.7	41,300	165,400*	27.8	271.2	26,900	154,900*	220
225													23.5	260.3	23,800	149,600*	225
230													18.2	246.3	20,600	144,400*	230
235													10.2	224.6	16,800	139,000*	235

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

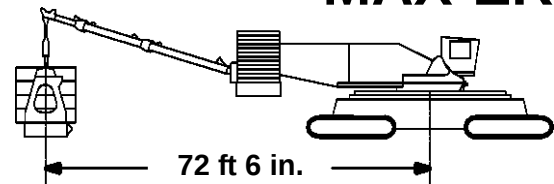
Liftcrane Luffing Jib Capacities

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
247,300 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	
80	73.5	383.1	413,000	635,800*b													80
85	71.8	381.5	380,300	596,200*b													85
90	70.1	379.6	351,600	560,900*b													90
95	68.4	377.6	326,300	529,200*b													95
100	66.6	375.5	303,800	500,600*													100
105	64.9	373.1	283,700	474,600*													105
110	63.1	370.5	265,500	450,900*	69.2	376.1	222,800	422,700*b									110
115	61.3	367.8	249,000	429,200*	67.5	374.0	208,400	402,200*									115
120	59.4	364.8	234,100	409,200*	65.8	371.8	195,400	383,400*									120
125	57.5	361.6	220,300	390,800*	64.0	369.3	183,400	366,100*									125
130	55.6	358.2	207,700	373,800*	62.2	366.6	172,400	350,000*									130
135	53.6	354.5	196,100	358,000*	60.3	363.8	162,300	335,200*									135
140	51.6	350.5	185,300	343,200*	58.5	360.7	152,900	321,200*	64.7	366.4	120,700	298,500*					140
145	49.5	346.3	175,300	329,500*	56.6	357.4	144,200	307,800*	63.0	363.8	113,300	286,000*					145
150	47.4	341.6	166,000	316,400*	54.6	353.8	136,100	295,300*	61.1	361.0	106,300	274,300*					150
155	45.1	336.7	157,300	303,900*	52.6	350.0	128,600	283,600*	59.3	358.0	99,900	263,400*					155
160	42.8	331.3	149,100	292,200*	50.5	345.9	121,500	272,700*	57.4	354.8	93,800	253,100*					160
165	40.3	325.4	141,400	281,200*	48.4	341.5	114,800	262,300*	55.5	351.4	88,100	243,400*					165
170	37.7	319.0	134,100	270,800*	46.2	336.7	108,500	252,600*	53.5	347.7	82,800	234,300*	59.9	353.6	57,300	216,200*	170
175	35.0	312.0	127,100	260,900*	43.9	331.5	102,500	243,400*	51.4	343.7	77,700	225,700*	58.1	350.5	53,000	208,200*	175
180	32.0	304.1	120,600	251,600*	41.5	325.9	96,900	234,700*	49.3	339.4	72,900	217,600*	56.1	347.1	49,000	200,600*	180
185	28.8	295.2	114,200	242,700*	39.0	319.7	91,500	226,400*	47.2	334.8	68,300	209,900*	54.2	343.5	45,300	193,400*	185
190	25.1	284.9	108,100	234,200*	36.3	313.0	86,300	218,500*	44.9	329.8	64,000	202,500*	52.2	339.6	41,700	186,600*	190
195	20.8	272.5	102,200	225,900*	33.5	305.6	81,400	211,000*	42.6	324.3	59,800	195,600*	50.1	335.4	38,200	180,100*	195
200	15.4	256.2	96,200	217,900*	30.4	297.2	76,700	203,800*	40.1	318.4	55,900	188,900*	47.9	330.9	34,900	173,900*	200
205	5.8	226.5	89,300	209,500*	27.0	287.6	72,100	196,900*	37.5	312.0	52,100	182,600*	45.7	326.1	31,800	168,000*	205
210					23.0	276.4	67,500	190,300*	34.7	304.9	48,400	176,500*	43.4	320.8	28,800	162,400*	210
215					18.3	262.3	63,000	183,800*	31.8	296.9	44,800	170,600*	41.0	315.1	25,900	157,000*	215
220					11.7	242.1	58,100	177,200*	28.5	287.9	41,300	165,000*	38.4	308.8	23,000	151,800*	220
225									24.8	277.5	37,900	159,500*	35.7	301.9	20,300	146,800*	225
230									20.5	264.8	34,400	154,100*	32.8	294.3	17,600	142,000*	230
235									14.9	248.1	30,800	148,800*	29.7	285.7	15,000	137,300*	235
240									4.0	214.2	26,000	142,800*	26.1	275.8	12,400	132,800*	240
245													22.1	264.1	9,800	128,300*	245
250													17.1	249.1	7,000	123,900*	250

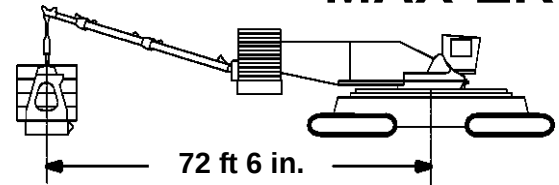
Capacities indicated by (b) require
37,000 lb minimum weight
suspended beneath luffing jib point.

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
247,300 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	
85	73.7	402.5	378,000	593,300*													85
90	72.2	400.9	349,300	558,000*													90
95	70.7	399.1	323,900	526,300*													95
100	69.1	397.2	301,400	497,700*													100
105	67.6	395.1	281,200	471,800*													105
110	66.0	392.9	263,000	448,100*													110
115	64.4	390.5	246,500	426,500*	69.9	395.6	204,900	399,000*									115
120	62.8	387.9	231,500	406,600*	68.3	393.6	191,800	380,200*									120
125	61.2	385.1	217,800	388,200*	66.8	391.5	179,900	362,900*									125
130	59.5	382.1	205,200	371,300*	65.2	389.1	169,000	346,900*									130
135	57.8	379.0	193,600	355,500*	63.6	386.6	158,900	332,100*									135
140	56.1	375.6	182,900	340,800*	62.0	384.0	149,600	318,300*									140
145	54.3	372.0	172,900	327,100*	60.3	381.1	141,000	305,000*									145
150	52.5	368.2	163,700	314,200*	58.6	378.0	132,900	292,600*	64.3	383.7	102,300	271,000*					150
155	50.6	364.0	155,000	301,800*	56.9	374.8	125,400	280,900*	62.7	381.1	95,900	260,100*					155
160	48.7	359.7	146,900	290,200*	55.2	371.3	118,400	270,000*	61.0	378.4	89,900	249,900*					160
165	46.8	355.0	139,300	279,200*	53.4	367.6	111,800	259,800*	59.4	375.4	84,300	240,300*					165
170	44.7	349.9	132,100	268,900*	51.6	363.6	105,500	250,100*	57.7	372.2	79,000	231,300*					170
175	42.6	344.5	125,400	259,200*	49.7	359.3	99,700	241,000*	55.9	368.8	74,000	222,700*					175
180	40.4	338.7	119,000	250,000*	47.7	354.8	94,100	232,300*	54.2	365.2	69,300	214,700*	59.9	371.0	44,800	197,200*	180
185	38.1	332.4	112,900	241,300*	45.7	349.9	88,900	224,200*	52.4	361.3	64,900	207,000*	58.3	367.8	41,100	190,100*	185
190	35.7	325.5	107,100	232,900*	43.7	344.7	83,900	216,400*	50.5	357.2	60,600	199,800*	56.5	364.5	37,600	183,300*	190
195	33.1	317.9	101,500	225,000*	41.5	339.1	79,100	209,000*	48.6	352.8	56,600	192,900*	54.8	361.0	34,200	176,900*	195
200	30.3	309.5	96,200	217,500*	39.3	333.0	74,600	202,000*	46.6	348.1	52,800	186,300*	53.0	357.2	31,100	170,800*	200
205	27.2	300.0	91,100	210,200*	36.9	326.4	70,200	195,300*	44.6	343.0	49,100	180,100*	51.2	353.2	28,000	165,000*	205
210	23.8	289.0	86,100	203,200*	34.4	319.2	66,100	188,800*	42.5	337.6	45,600	174,100*	49.3	348.9	25,100	159,400*	210
215	19.7	275.8	81,200	196,500*	31.7	311.2	62,000	182,700*	40.3	331.7	42,200	168,400*	47.3	344.3	22,300	154,100*	215
220	14.6	258.6	76,200	189,800*	28.7	302.3	58,100	176,700*	37.9	325.3	38,900	162,900*	45.3	339.3	19,600	149,000*	220
225	5.5	227.3	70,400	182,700*	25.5	292.1	54,300	171,000*	35.5	318.4	35,800	157,700*	43.2	334.0	17,000	144,200*	225
230					21.8	280.1	50,500	165,500*	32.9	310.7	32,700	152,600*	41.0	328.3	14,500	139,500*	230
235					17.3	265.3	46,700	160,000*	30.0	302.2	29,700	147,700*	38.8	322.1	12,100	135,000*	235
240					11.0	243.9	42,600	154,400*	26.9	292.7	26,800	143,000*	36.4	315.4	9,800	130,600*	240
245									23.5	281.6	23,900	138,300*	33.8	308.0	7,500	126,400*	245
250									19.4	268.1	21,000	133,800*	31.1	299.8	5,200	122,400*	250
260									3.7	214.6	13,700	124,100*	24.7	280.1	800	114,600*	260
270													16.1	251.9		107,000*	270

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

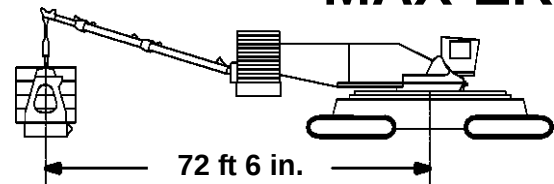
Liftcrane Luffing Jib Capacities

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
247,300 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	
90	73.8	421.9	347,200	518,100*													90
95	72.5	420.3	321,500	518,100*													95
100	71.1	418.6	298,800	494,000*													100
105	69.7	416.7	278,400	468,100*													105
110	68.3	414.7	260,100	444,400*													110
115	66.9	412.6	243,500	422,800*													115
120	65.5	410.3	228,400	403,000*													120
125	64.0	407.8	214,600	384,700*	69.0	413.2	175,500	358,600*									125
130	62.5	405.2	202,000	367,700*	67.6	411.1	164,600	342,700*									130
135	61.1	402.4	190,400	352,000*	66.2	408.9	154,500	327,900*									135
140	59.5	399.5	179,600	337,400*	64.7	406.5	145,200	314,200*									140
145	58.0	396.3	169,600	323,700*	63.3	404.0	136,500	301,100*									145
150	56.4	393.0	160,400	310,900*	61.8	401.3	128,500	288,700*									150
155	54.8	389.5	151,700	298,600*	60.3	398.4	121,000	277,100*									155
160	53.2	385.7	143,600	287,000*	58.8	395.4	114,000	266,200*	63.9	401.1	84,600	245,500*					160
165	51.6	381.7	136,000	276,200*	57.2	392.1	107,400	256,000*	62.4	398.5	79,100	236,000*					165
170	49.8	377.5	128,900	265,900*	55.6	388.7	101,300	246,400*	60.9	395.7	73,800	227,000*					170
175	48.1	373.0	122,200	256,200*	54.0	385.1	95,500	237,300*	59.4	392.7	68,900	218,500*					175
180	46.3	368.3	115,800	247,100*	52.4	381.2	90,000	228,800*	57.9	389.6	64,200	210,500*					180
185	44.4	363.2	109,800	238,400*	50.7	377.1	84,800	220,700*	56.3	386.2	59,800	203,000*					185
190	42.5	357.7	104,100	230,200*	49.0	372.8	79,800	213,000*	54.7	382.7	55,700	195,800*	59.9	388.3	31,800	178,800*	190
195	40.5	351.9	98,700	222,400*	47.2	368.1	75,200	205,700*	53.1	378.9	51,700	188,900*	58.4	385.2	28,500	172,400*	195
200	38.4	345.7	93,500	214,900*	45.4	363.2	70,700	198,700*	51.4	374.9	47,900	182,500*	56.9	381.9	25,400	166,400*	200
205	36.2	338.9	88,600	207,800*	43.5	358.0	66,500	192,100*	49.7	370.7	44,300	176,300*	55.3	378.4	22,500	160,600*	205
210	33.9	331.5	83,800	201,100*	41.5	352.3	62,400	185,700*	48.0	366.2	40,900	170,400*	53.7	374.7	19,600	155,200*	210
215	31.5	323.5	79,300	194,500*	39.5	346.3	58,500	179,700*	46.2	361.4	37,600	164,700*	52.0	370.8	16,900	149,900*	215
220	28.8	314.6	74,900	188,300*	37.3	339.8	54,800	173,900*	44.3	356.2	34,500	159,300*	50.3	366.7	14,300	144,900*	220
225	25.9	304.5	70,600	182,300*	35.1	332.7	51,200	168,300*	42.4	350.8	31,400	154,200*	48.6	362.3	11,800	140,100*	225
230	22.6	293.0	66,400	176,400*	32.7	325.0	47,700	163,000*	40.4	344.9	28,500	149,200*	46.8	357.6	9,400	135,500*	230
235	18.7	279.1	62,300	170,800*	30.1	316.5	44,300	157,800*	38.3	338.6	25,700	144,400*	45.0	352.6	7,100	131,100*	235
240	13.8	260.9	58,000	165,100*	27.3	307.1	41,000	152,800*	36.1	331.8	23,000	139,800*	43.0	347.2	4,900	126,800*	240
245	5.2	228.1	53,000	159,100*	24.2	296.3	37,700	148,000*	33.7	324.4	20,300	135,400*	41.1	341.5	2,700	122,700*	245
250					20.7	283.7	34,500	143,300*	31.3	316.3	17,700	131,100*	39.0	335.4	600	118,800*	250
260					10.4	245.6	27,700	133,800*	25.6	297.2	12,700	122,900*	34.6	321.6		111,300*	260
270									18.4	271.3	7,700	115,100*	29.5	305.1		104,200*	270
280									3.5	215.0	1,300	106,600*	23.5	284.2		97,500*	280
290													15.3	254.5		90,900*	290

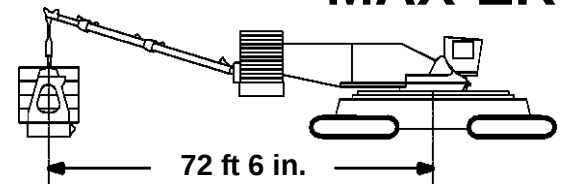
Capacities indicated by (b) require
37,000 lb minimum weight
suspended beneath luffing jib point.

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
247,300 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	
95	74.0	441.3	318,300	454,100*													95
100	72.7	439.7	295,500	454,100*													100
105	71.5	438.0	275,000	454,100*													105
110	70.2	436.2	256,600	441,100*													110
115	68.9	434.3	240,000	419,500*													115
120	67.6	432.2	224,900	399,600*													120
125	66.3	430.0	211,100	381,300*													125
130	65.0	427.6	198,400	364,400*	69.6	432.7	160,300	339,000*									130
135	63.7	425.2	186,700	348,700*	68.3	430.7	150,200	324,200*									135
140	62.3	422.5	176,000	334,100*	67.0	428.6	140,900	310,500*									140
145	61.0	419.7	166,000	320,500*	65.7	426.3	132,300	297,500*									145
150	59.6	416.8	156,700	307,700*	64.3	423.9	124,200	285,200*									150
155	58.2	413.7	148,100	295,500*	63.0	421.3	116,800	273,600*									155
160	56.7	410.4	140,000	284,000*	61.6	418.6	109,800	262,800*									160
165	55.3	406.9	132,400	273,100*	60.3	415.7	103,200	252,600*	64.9	420.9	74,300	232,200*					165
170	53.8	403.2	125,300	262,900*	58.9	412.7	97,100	243,000*	63.6	418.4	69,100	223,300*					170
175	52.3	399.4	118,600	253,300*	57.4	409.5	91,300	234,000*	62.2	415.8	64,200	214,800*					175
180	50.8	395.3	112,300	244,200*	56.0	406.1	85,900	225,400*	60.9	413.0	59,600	206,900*					180
185	49.2	391.0	106,400	235,500*	54.5	402.6	80,700	217,400*	59.5	410.0	55,200	199,300*					185
190	47.6	386.4	100,700	227,400*	53.0	398.8	75,800	209,700*	58.1	406.9	51,100	192,200*					190
195	45.9	381.6	95,300	219,600*	51.5	394.8	71,200	202,400*	56.6	403.6	47,200	185,400*					195
200	44.2	376.4	90,200	212,200*	50.0	390.6	66,800	195,500*	55.2	400.1	43,400	178,900*	60.0	405.6	20,500	162,500*	200
205	42.4	371.0	85,400	205,200*	48.4	386.2	62,600	188,900*	53.7	396.4	39,900	172,800*	58.6	402.5	17,500	156,800*	205
210	40.6	365.2	80,700	198,400*	46.7	381.5	58,600	182,700*	52.2	392.5	36,500	166,900*	57.1	399.3	14,800	151,400*	210
215	38.7	359.0	76,300	192,000*	45.0	376.5	54,700	176,700*	50.6	388.4	33,300	161,300*	55.7	395.9	12,100	146,200*	215
220	36.7	352.3	72,000	185,900*	43.3	371.2	51,100	170,900*	49.1	384.1	30,200	156,000*	54.2	392.2	9,600	141,200*	220
225	34.6	345.1	67,900	180,000*	41.5	365.5	47,600	165,400*	47.4	379.5	27,200	150,900*	52.7	388.4	7,100	136,400*	225
230	32.4	337.3	64,000	174,300*	39.6	359.5	44,200	160,200*	45.8	374.6	24,400	145,900*	51.2	384.4	4,800	131,900*	230
235	30.1	328.8	60,100	168,900*	37.7	353.1	40,900	155,100*	44.1	369.5	21,600	141,200*	49.6	380.1	2,500	127,500*	235
240	27.5	319.4	56,400	163,600*	35.7	346.2	37,800	150,200*	42.3	364.0	19,000	136,700*	48.0	375.6	400	123,300*	240
245	24.7	308.9	52,800	158,500*	33.5	338.7	34,800	145,500*	40.4	358.2	16,500	132,400*	46.4	370.9		119,300*	245
250	21.6	296.7	49,300	153,600*	31.2	330.6	31,800	141,000*	38.5	351.9	14,000	128,200*	44.7	365.8		115,400*	250
260	13.2	263.1	42,000	143,900*	26.1	311.7	26,100	132,400*	34.4	338.0	9,300	120,200*	41.1	354.8		108,000*	260
270					19.8	287.1	20,500	124,200*	29.9	321.6	4,800	112,700*	37.3	342.1		101,200*	270
280					10.0	247.2	14,600	116,000*	24.5	301.4	400	105,700*	33.0	327.5		94,700*	280
290									17.6	274.3		98,900*	28.2	310.0		88,600*	290
300									3.3	215.4		91,400*	22.5	288.2		82,700*	300
310													14.6	256.9		76,900*	310

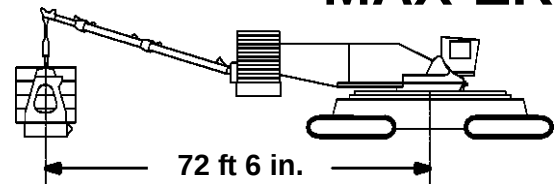
Liftcrane Luffing Jib Capacities

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
247,300 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

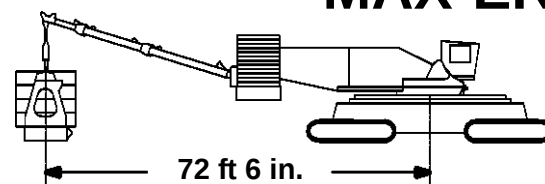
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing 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	
100	74.1	460.7	291,800	397,100*													100
105	73.0	459.1	271,300	397,100*													105
110	71.8	457.5	252,800	397,100*													110
115	70.6	455.7	236,100	397,100*													115
120	69.4	453.8	221,000	395,900*													120
125	68.3	451.8	207,100	377,600*													125
130	67.1	449.7	194,400	360,700*													130
135	65.9	447.4	182,800	345,100*	70.0	452.2	145,200	320,000*									135
140	64.6	445.0	172,000	330,500*	68.8	450.3	135,900	306,300*									140
145	63.4	442.5	162,000	316,900*	67.6	448.2	127,300	293,400*									145
150	62.2	439.9	152,700	304,200*	66.4	446.0	119,300	281,100*									150
155	60.9	437.0	144,100	292,100*	65.2	443.7	111,900	269,600*									155
160	59.6	434.1	136,000	280,600*	64.0	441.2	104,900	258,800*									160
165	58.3	431.0	128,500	269,800*	62.8	438.7	98,400	248,700*									165
170	57.0	427.8	121,400	259,600*	61.5	435.9	92,300	239,100*									170
175	55.7	424.3	114,700	250,000*	60.2	433.1	86,600	230,100*	64.5	438.3	58,700	210,500*					175
180	54.3	420.7	108,400	240,900*	59.0	430.0	81,100	221,600*	63.3	435.8	54,100	202,500*					180
185	52.9	417.0	102,500	232,300*	57.6	426.9	76,000	213,600*	62.1	433.1	49,800	195,000*					185
190	51.5	413.0	96,800	224,100*	56.3	423.5	71,200	206,000*	60.8	430.3	45,700	187,900*					190
195	50.1	408.8	91,500	216,400*	55.0	420.0	66,600	198,700*	59.5	427.4	41,800	181,200*					195
200	48.6	404.4	86,400	209,100*	53.6	416.3	62,200	191,900*	58.2	424.2	38,200	174,800*					200
205	47.1	399.7	81,600	202,100*	52.2	412.4	58,100	185,300*	56.9	421.0	34,700	168,700*					205
210	45.6	394.8	77,000	195,400*	50.8	408.4	54,100	179,100*	55.6	417.5	31,300	162,800*	60.0	422.9	8,900	146,900*	210
215	44.0	389.7	72,600	189,000*	49.3	404.1	50,300	173,100*	54.2	413.9	28,200	157,300*	58.7	419.9	6,300	141,700*	215
220	42.3	384.2	68,400	182,900*	47.8	399.5	46,700	167,400*	52.8	410.1	25,100	152,000*	57.4	416.6	3,800	136,800*	220
225	40.7	378.4	64,400	177,100*	46.3	394.8	43,300	162,000*	51.4	406.1	22,200	146,900*	56.0	413.3	1,500	132,100*	225
230	38.9	372.2	60,600	171,500*	44.8	389.7	39,900	156,800*	50.0	401.9	19,400	142,100*	54.7	409.7		127,600*	230
235	37.1	365.7	56,800	166,100*	43.2	384.4	36,800	151,700*	48.5	397.5	16,700	137,400*	53.3	406.0		123,200*	235
240	35.2	358.6	53,300	160,900*	41.5	378.8	33,700	146,900*	47.0	392.8	14,200	132,900*	51.9	402.1		119,100*	240
245	33.2	351.1	49,800	156,000*	39.8	372.8	30,700	142,300*	45.4	387.9	11,700	128,600*	50.5	397.9		115,100*	245
250	31.1	342.9	46,500	151,200*	38.0	366.4	27,900	137,900*	43.9	382.7	9,300	124,500*	49.0	393.6		111,300*	250
260	26.4	324.1	40,100	142,100*	34.2	352.3	22,500	129,400*	40.5	371.4	4,800	116,700*	46.0	384.2		104,000*	260
270	20.7	300.3	33,900	133,400*	29.9	335.9	17,300	121,500*	36.9	358.6	500	109,400*	42.8	373.7		97,300*	270
280	12.7	265.3	27,600	125,100*	25.0	316.1	12,400	114,100*	33.0	343.9		102,500*	39.4	361.9		90,900*	280
290					19.0	290.4	7,600	106,900*	28.6	326.7		96,100*	35.7	348.6		85,000*	290
300					9.5	248.8	2,300	99,800*	23.5	305.5		89,900*	31.7	333.1		79,400*	300
310									16.9	277.2		83,900*	27.1	314.8		74,100*	310
320									3.1	215.8		77,300*	21.5	291.9		68,900*	320
330													14.0	259.3		63,800*	330

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

21000
MAX-ER



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	Luffing Jib Capacity Pounds		
105	74.2	480.0	269,800	346,800*												105	
110	73.1	478.5	251,100	346,800*												110	
115	72.1	476.9	234,200	346,800*												115	
120	71.0	475.1	218,800	346,800*												120	
125	69.9	473.3	204,900	346,800*												125	
130	68.8	471.4	192,000	346,800*												130	
135	67.7	469.3	180,200	342,000*												135	
140	66.6	467.1	169,400	327,400*												140	
145	65.4	464.8	159,300	313,800*	69.3	469.8	123,900	290,100*								145	
150	64.3	462.4	150,000	301,100*	68.2	467.8	115,800	277,800*								150	
155	63.2	459.8	141,300	289,200*	67.1	465.7	108,400	266,300*								155	
160	62.0	457.2	133,100	277,700*	66.0	463.4	101,400	255,500*								160	
165	60.8	454.4	125,500	266,900*	64.9	461.1	94,800	245,400*								165	
170	59.6	451.4	118,400	256,700*	63.7	458.6	88,700	235,900*								170	
175	58.4	448.4	111,700	247,100*	62.6	456.0	82,900	226,900*								175	
180	57.2	445.1	105,400	238,000*	61.4	453.3	77,500	218,500*								180	
185	56.0	441.7	99,400	229,500*	60.2	450.4	72,400	210,400*	64.2	455.7	45,600	191,600*				185	
190	54.7	438.2	93,800	221,400*	59.0	447.4	67,500	202,800*	63.1	453.1	41,500	184,500*				190	
195	53.5	434.5	88,400	213,600*	57.8	444.2	62,900	195,600*	61.9	450.4	37,600	177,800*				195	
200	52.2	430.6	83,400	206,300*	56.6	440.9	58,600	188,800*	60.7	447.6	34,000	171,400*				200	
205	50.8	426.5	78,600	199,300*	55.3	437.5	54,400	182,300*	59.5	444.7	30,500	165,300*				205	
210	49.5	422.2	74,000	192,700*	54.1	433.8	50,500	176,000*	58.3	441.6	27,200	159,500*				210	
215	48.1	417.8	69,600	186,300*	52.8	430.0	46,700	170,100*	57.1	438.4	24,000	154,000*				215	
220	46.7	413.1	65,400	180,300*	51.5	426.0	43,100	164,500*	55.9	435.0	21,000	148,700*	60.0	440.2	133,200*	220	
225	45.3	408.1	61,400	174,500*	50.2	421.9	39,700	159,000*	54.6	431.4	18,100	143,700*	58.8	437.2	128,600*	225	
230	43.8	402.9	57,600	168,900*	48.8	417.5	36,400	153,800*	53.4	427.7	15,400	138,800*	57.5	434.0	124,100*	230	
235	42.3	397.4	53,900	163,600*	47.4	412.9	33,300	148,900*	52.1	423.8	12,700	134,200*	56.3	430.7	119,800*	235	
240	40.7	391.6	50,400	158,500*	46.0	408.1	30,200	144,100*	50.7	419.7	10,200	129,800*	55.1	427.2	115,700*	240	
245	39.1	385.5	47,000	153,600*	44.5	403.0	27,300	139,500*	49.4	415.4	7,700	125,500*	53.8	423.5	111,700*	245	
250	37.4	379.0	43,800	148,800*	43.0	397.6	24,500	135,100*	48.0	410.9	5,400	121,400*	52.5	419.7	107,900*	250	
260	33.8	364.7	37,500	139,900*	39.9	386.0	19,200	126,800*	45.2	401.2	900	113,700*	49.9	411.4	100,700*	260	
270	29.9	348.2	31,700	131,500*	36.5	373.0	14,300	119,000*	42.2	390.5		106,500*	47.1	402.4	94,000*	270	
280	25.4	328.5	26,200	123,700*	32.9	358.2	9,600	111,700*	39.0	378.5		99,700*	44.2	392.3	87,800*	280	
290	19.9	303.7	20,800	116,200*	28.8	341.0	5,100	104,900*	35.5	365.0		93,400*	41.1	381.2	82,000*	290	
300	12.2	267.3	15,200	108,900*	24.1	320.3	800	98,400*	31.8	349.6		87,500*	37.9	368.8	76,500*	300	
310					18.3	293.5		92,200*	27.5	331.5		81,800*	34.3	354.7	71,300*	310	
320					9.2	250.3		85,800*	22.6	309.5		76,400*	30.5	338.6	66,400*	320	
330									16.2	280.0		71,100*	26.0	319.4	61,500*	330	
340									3.0	216.1		65,200*	20.7	295.5	56,000*	340	
350													13.5	261.6	50,300*	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

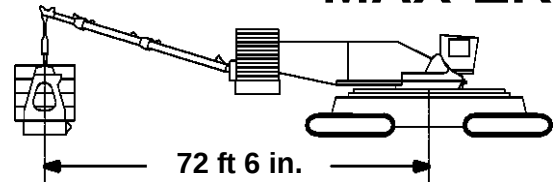
200,000 lb Carbody Counterweight

247,300 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

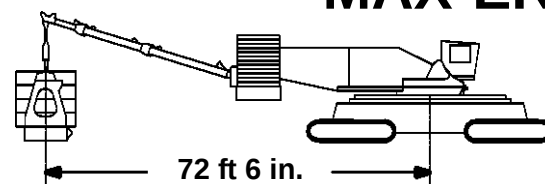
Jib Oper. Rad. Feet	85 Degree Boom Angle					80 Degree Boom Angle					75 Degree Boom Angle					Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds		Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To 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		
110	74.3	499.4	247,100	304,400*												110
115	73.3	497.9	230,200	304,400*												115
120	72.3	496.3	214,800	304,400*												120
125	71.3	494.6	200,800	304,400*												125
130	70.3	492.8	187,900	304,400*												130
135	69.3	490.9	176,100	304,400*												135
140	68.2	488.9	165,200	304,400*												140
145	67.2	486.7	155,100	304,000*												145
150	66.1	484.5	145,800	297,400*	69.8	489.3	110,800	273,700*								150
155	65.1	482.2	137,100	285,500*	68.7	487.4	103,300	262,200*								155
160	64.0	479.7	128,900	274,200*	67.7	485.3	96,300	251,500*								160
165	62.9	477.2	121,300	263,400*	66.7	483.1	89,800	241,400*								165
170	61.9	474.5	114,200	253,200*	65.6	480.9	83,700	231,900*								170
175	60.8	471.7	107,500	243,600*	64.5	478.5	78,000	222,900*								175
180	59.7	468.8	101,200	234,600*	63.5	476.0	72,500	214,500*								180
185	58.5	465.7	95,200	226,000*	62.4	473.3	67,400	206,500*								185
190	57.4	462.5	89,600	217,900*	61.3	470.6	62,600	198,900*	65.0	475.5	35,900	180,100*				190
195	56.3	459.1	84,300	210,200*	60.2	467.7	58,000	191,800*	63.9	473.0	32,100	173,400*				195
200	55.1	455.6	79,200	202,900*	59.1	464.7	53,700	184,900*	62.9	470.5	28,500	167,100*				200
205	53.9	452.0	74,400	196,000*	58.0	461.6	49,600	178,400*	61.8	467.8	25,000	161,100*				205
210	52.7	448.2	69,800	189,300*	56.8	458.3	45,700	172,200*	60.7	465.0	21,800	155,300*				210
215	51.5	444.2	65,500	183,000*	55.7	454.9	42,000	166,300*	59.6	462.0	18,600	149,800*				215
220	50.2	440.0	61,300	177,000*	54.5	451.3	38,400	160,700*	58.5	458.9	15,700	144,600*				220
225	49.0	435.7	57,400	171,200*	53.3	447.6	35,000	155,300*	57.3	455.7	12,800	139,600*				225
230	47.7	431.1	53,600	165,400*	52.1	443.7	31,700	150,200*	56.2	452.4	10,100	134,800*				230
235	46.4	426.4	49,900	158,700*	50.9	439.6	28,600	145,200*	55.0	448.8	7,500	130,200*				235
240	45.0	421.4	46,400	152,300*	49.6	435.3	25,600	140,500*	53.8	445.2	5,000	125,700*				240
245	43.6	416.1	43,100	146,000*	48.3	430.9	22,800	135,900*	52.6	441.4	2,600	121,500*				245
250	42.2	410.6	39,900	139,900*	47.0	426.2	20,000	131,500*	51.4	437.4	300	117,400*				250
260	39.3	398.8	33,700	128,300*	44.3	416.2	14,800	123,300*	48.9	428.8		109,800*				260
270	36.1	385.5	28,100	117,400*	41.5	405.2	9,900	115,600*	46.3	419.5		102,600*				270
280	32.6	370.5	22,700	107,300*	38.5	393.0	5,400	108,400*	43.5	409.2		96,000*				280
290	28.8	353.3	17,600	97,800*	35.2	379.4	1,100	101,700*	40.6	397.9		89,800*				290
300	24.5	332.8	12,800	88,900*	31.7	363.9		95,400*	37.6	385.3		83,900*				300
310	19.2	307.0	8,000	81,000*	27.8	345.9		89,400*	34.3	371.2		78,400*				310
320	11.7	269.3	3,100	74,400*	23.2	324.4		83,700*	30.6	355.1		73,200*				320
330					17.6	296.6		78,200*	26.6	336.2		68,200*				330
340					8.8	251.8		72,500*	21.8	313.3		63,400*				340
350									15.6	282.6		58,700*				350
360									2.8	216.5		52,200*				360

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

21000
MAX-ER



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	416,300	640,900*b													80
85	62.9	336.7	384,000	601,300*b													85
90	60.1	333.8	355,600	566,000*b													90
95	57.3	330.6	330,500	534,200*b													95
100	54.3	327.0	308,100	505,400*b	65.1	336.2	259,400	473,400*b									100
105	51.3	323.0	287,900	479,300*	62.4	333.5	242,100	449,000*b									105
110	48.1	318.5	269,600	455,400*	59.7	330.6	226,400	426,600*b									110
115	44.7	313.5	252,900	433,400*	56.8	327.3	212,100	406,100*b									115
120	41.1	307.8	237,700	413,200*	53.8	323.6	199,100	387,300*b	64.5	331.2	159,800	360,900*b					120
125	37.1	301.2	223,500	394,500*	50.8	319.5	187,100	369,800*	61.8	328.5	149,800	344,600*b					125
130	32.8	293.7	210,400	377,000*	47.5	315.0	176,000	353,700*	59.0	325.5	140,500	329,500*b					130
135	27.8	284.5	198,000	360,600*	44.1	309.8	165,700	338,600*	56.1	322.1	131,900	315,000*b					135
140	21.8	272.9	186,100	345,100*	40.4	304.0	156,100	324,300*	53.2	318.4	123,900	301,500*b					140
145	13.0	255.3	174,100	330,000*	36.5	297.4	147,000	310,600*	50.0	314.2	116,400	288,900*					145
150					32.0	289.6	138,400	297,700*	46.8	309.5	109,400	277,100*	58.1	318.4	79,700	255,900*b	150
155					26.9	280.1	130,100	285,500*	43.3	304.2	102,800	266,000*	55.2	315.0	74,300	245,700*b	155
160					20.6	267.9	122,000	273,800*	39.6	298.2	96,500	255,500*	52.2	311.1	69,200	236,100*b	160
165					10.8	248.0	113,200	262,000*	35.5	291.3	90,400	245,600*	49.0	306.7	64,500	227,000*	165
170									31.0	283.2	84,600	236,100*	45.7	301.8	59,900	218,400*	170
175									25.6	273.2	78,800	227,000*	42.1	296.4	55,500	210,300*	175
180									18.9	260.0	73,000	218,100*	38.3	290.1	51,300	202,500*	180
185									6.4	234.4	65,800	208,600*	34.1	282.9	47,100	195,000*	185
190													29.4	274.2	43,100	187,900*	190
195													23.7	263.5	38,900	180,900*	195
200													16.1	248.4	34,500	173,900*	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).

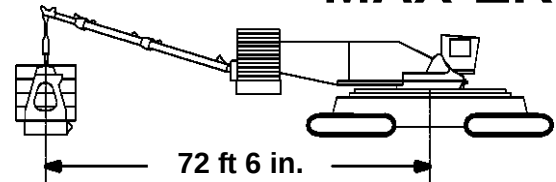
Liftcrane Luffing Jib Capacities

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
247,300 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	415,300	637,700*b													80
85	67.0	359.1	382,800	598,200*b													85
90	64.8	356.7	354,400	563,000*b													90
95	62.5	354.0	329,200	531,300*b													95
100	60.1	351.2	306,800	502,700*b	68.9	358.1	255,800	469,400*b									100
105	57.7	348.0	286,700	476,700*	66.7	356.0	238,500	445,100*b									105
110	55.2	344.5	268,500	453,000*	64.4	353.5	222,900	422,900*b									110
115	52.6	340.6	252,000	431,300*	62.1	350.9	208,800	402,500*b									115
120	49.9	336.4	236,900	411,300*	59.7	347.9	195,900	383,800*b									120
125	47.1	331.8	223,100	392,800*	57.3	344.7	184,100	366,600*									125
130	44.2	326.7	210,300	375,700*	54.8	341.1	173,200	350,600*	63.9	348.6	135,700	325,300*b					130
135	41.1	321.0	198,500	359,700*	52.2	337.3	163,100	335,700*	61.6	345.8	127,300	311,000*b					135
140	37.8	314.6	187,500	344,800*	49.5	333.0	153,800	321,800*	59.2	342.8	119,500	297,700*b					140
145	34.2	307.4	177,100	330,800*	46.7	328.3	145,000	308,400*	56.7	339.5	112,300	285,200*					145
150	30.2	299.0	167,300	317,500*	43.7	323.1	136,800	295,800*	54.2	335.9	105,500	273,600*					150
155	25.6	289.0	158,000	304,600*	40.6	317.3	129,100	284,100*	51.6	331.9	99,100	262,700*					155
160	20.0	276.3	148,900	292,300*	37.2	310.8	121,800	273,000*	48.9	327.6	93,100	252,500*	58.4	335.8	64,100	231,900*b	160
165	11.9	257.1	139,500	280,200*	33.6	303.4	114,900	262,500*	46.0	322.7	87,400	242,800*	55.9	332.4	59,500	223,000*	165
170					29.5	294.8	108,300	252,500*	43.0	317.4	82,000	233,700*	53.4	328.7	55,200	214,600*	170
175					24.8	284.4	101,800	242,900*	39.8	311.5	76,900	225,100*	50.7	324.6	51,100	206,600*	175
180					19.0	271.0	95,300	233,700*	36.4	304.8	71,900	216,800*	48.0	320.1	47,100	199,100*	180
185					9.9	249.5	88,200	224,200*	32.7	297.1	67,200	209,000*	45.1	315.1	43,400	191,900*	185
190									28.5	288.2	62,500	201,400*	42.0	309.6	39,800	185,100*	190
195									23.6	277.3	57,900	194,100*	38.8	303.4	36,300	178,600*	195
200									17.4	262.9	53,100	186,900*	35.3	296.4	32,900	172,300*	200
205									5.8	235.1	47,200	179,100*	31.4	288.4	29,600	166,300*	205
210													27.0	279.0	26,300	160,500*	210
215													21.8	267.2	22,900	154,700*	215
220													14.8	250.8	19,200	148,900*	220

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

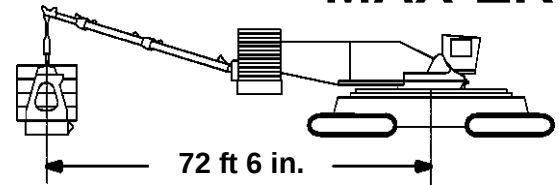
Do not luff into area indicated by
(c) with 37,000 lb minimum weight
(see CAUTION on page 1).

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
247,300 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	
75				c													75
80	72.0	382.6	413,800	635,100* b													80
85	70.1	380.7	381,300	595,700* b													85
90	68.1	378.7	352,800	560,600* b													90
95	66.2	376.5	327,600	529,000* b													95
100	64.2	374.0	305,200	500,500* b													100
105	62.2	371.4	285,100	474,600*	69.8	377.7	235,400	442,000* b									105
110	60.1	368.5	267,000	451,000*	67.8	375.6	219,900	419,900* b									110
115	58.0	365.3	250,600	429,400*	65.9	373.4	205,900	399,700* b									115
120	55.8	361.9	235,600	409,500*	63.9	370.9	193,100	381,100* b									120
125	53.6	358.2	221,900	391,100*	61.8	368.2	181,400	363,900*									125
130	51.3	354.2	209,300	374,100*	59.7	365.2	170,600	348,100*									130
135	48.9	349.9	197,600	358,300*	57.6	362.1	160,600	333,300*									135
140	46.4	345.1	186,800	343,600*	55.4	358.6	151,400	319,500*	63.4	365.9	115,900	294,600* b					140
145	43.9	339.9	176,800	329,800*	53.2	354.9	142,800	306,300*	61.4	363.1	108,800	282,300*					145
150	41.2	334.2	167,400	316,900*	50.9	350.8	134,800	293,900*	59.3	360.1	102,100	270,800*					150
155	38.3	328.0	158,500	304,400*	48.5	346.4	127,400	282,300*	57.1	356.9	95,900	260,000*					155
160	35.2	321.0	150,200	292,600*	46.0	341.5	120,300	271,400*	54.9	353.4	90,100	249,900*					160
165	31.9	313.1	142,300	281,400*	43.4	336.3	113,700	261,100*	52.7	349.6	84,500	240,400*					165
170	28.1	304.0	134,700	270,900*	40.7	330.5	107,400	251,400*	50.4	345.4	79,400	231,400*	58.6	353.1	51,300	211,500*	170
175	23.9	293.1	127,400	260,800*	37.8	324.1	101,400	242,200*	48.0	340.9	74,400	223,000*	56.4	349.8	47,400	203,700*	175
180	18.7	279.5	120,300	251,100*	34.7	317.0	95,700	233,500*	45.4	336.0	69,800	214,900*	54.2	346.2	43,600	196,300*	180
185	11.1	258.9	112,800	241,400*	31.3	308.9	90,200	225,100*	42.8	330.6	65,300	207,300*	52.0	342.3	40,100	189,300*	185
190					27.5	299.6	84,900	217,200*	40.1	324.7	61,000	200,000*	49.6	338.0	36,700	182,600*	190
195					23.1	288.4	79,700	209,500*	37.1	318.2	56,900	193,100*	47.2	333.4	33,400	176,200*	195
200					17.6	274.0	74,500	202,000*	33.9	310.9	53,000	186,400*	44.6	328.3	30,300	170,200*	200
205					9.2	250.9	68,600	194,300*	30.4	302.5	49,100	180,100*	42.0	322.8	27,300	164,400*	205
210									26.5	292.9	45,300	173,900*	39.1	316.7	24,300	158,800*	210
215									22.0	281.1	41,500	167,900*	36.1	309.9	21,500	153,500*	215
220									16.1	265.6	37,600	161,900*	32.9	302.3	18,700	148,300*	220
225									5.3	235.8	32,500	155,400*	29.3	293.6	16,000	143,300*	225
230													25.2	283.4	13,200	138,400*	230
235													20.3	270.7	10,400	133,700*	235
240													13.7	253.1	7,200	128,800*	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).

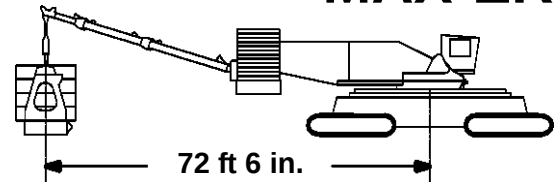
Liftcrane Luffing Jib Capacities

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
247,300 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	
80	74.1	403.6	410,800	622,100 b													80
85	72.4	402.0	378,200	591,900 b													85
90	70.7	400.2	349,600	556,800 b													90
95	69.0	398.3	324,300	525,300 b													95
100	67.3	396.2	301,900	496,900 b													100
105	65.5	393.9	281,800	471,100*													105
110	63.7	391.4	263,700	447,500*													110
115	61.9	388.7	247,300	426,000*	68.7	395.2	201,100	395,400 b									115
120	60.1	385.8	232,400	406,200*	67.0	393.1	188,300	376,900 b									120
125	58.2	382.7	218,700	387,900*	65.2	390.7	176,700	359,800*									125
130	56.3	379.3	206,200	371,000*	63.4	388.2	166,000	344,000*									130
135	54.3	375.7	194,600	355,300*	61.6	385.5	156,100	329,300*									135
140	52.3	371.9	183,900	340,600*	59.8	382.6	147,000	315,700*									140
145	50.3	367.7	173,900	327,000*	57.9	379.4	138,500	302,700*	64.8	385.8	103,200	277,800*					145
150	48.1	363.2	164,600	314,200*	56.0	376.0	130,600	290,400*	63.0	383.2	96,700	266,400*					150
155	45.9	358.4	156,000	301,900*	54.0	372.4	123,200	278,800*	61.2	380.5	90,500	255,700*					155
160	43.6	353.1	147,800	290,300*	52.0	368.5	116,300	268,000*	59.4	377.5	84,800	245,700*					160
165	41.2	347.5	140,100	279,300*	49.9	364.3	109,800	257,800*	57.5	374.3	79,400	236,300*					165
170	38.6	341.3	132,900	269,000*	47.8	359.7	103,700	248,300*	55.5	370.8	74,400	227,400*					170
175	36.0	334.4	126,000	259,200*	45.5	354.8	97,900	239,200*	53.6	367.1	69,600	219,000*					175
180	33.1	326.9	119,500	249,900*	43.2	349.5	92,400	230,600*	51.5	363.1	65,000	211,100*	58.8	370.5	37,800	191,700*	180
185	29.9	318.4	113,200	241,100*	40.8	343.7	87,200	222,500*	49.4	358.9	60,700	203,600*	56.9	367.2	34,400	184,800*	185
190	26.4	308.6	107,200	232,600*	38.2	337.5	82,200	214,700*	47.3	354.2	56,600	196,500*	54.9	363.7	31,100	178,200*	190
195	22.4	297.0	101,300	224,500*	35.5	330.5	77,400	207,400*	45.0	349.3	52,700	189,700*	52.9	359.9	28,000	172,000*	195
200	17.5	282.4	95,500	216,600*	32.6	322.8	72,800	200,300*	42.7	343.9	49,000	183,200*	50.9	355.8	25,000	166,000*	200
205	10.4	260.6	89,300	208,700*	29.4	314.1	68,400	193,500*	40.2	338.0	45,400	177,000*	48.7	351.4	22,200	160,300*	205
210					25.8	304.1	64,100	187,000*	37.6	331.5	41,900	171,100*	46.5	346.7	19,400	154,900*	210
215					21.7	292.1	59,800	180,700*	34.9	324.4	38,600	165,400*	44.3	341.6	16,800	149,700*	215
220					16.6	276.8	55,400	174,500*	31.9	316.5	35,300	159,900*	41.9	336.0	14,200	144,700*	220
225					8.6	252.2	50,500	168,000*	28.6	307.6	32,100	154,700*	39.4	330.0	11,800	140,000*	225
230									24.9	297.2	29,000	149,500*	36.8	323.3	9,400	135,300*	230
235									20.6	284.6	25,800	144,500*	33.9	316.0	7,000	130,900*	235
240									15.1	268.1	22,400	139,500*	30.9	307.8	4,700	126,600*	240
245									4.9	236.4	18,100	133,900*	27.5	298.4	2,400	122,400*	245
250													23.7	287.5		118,300*	250
260													12.9	255.2		110,000*	260

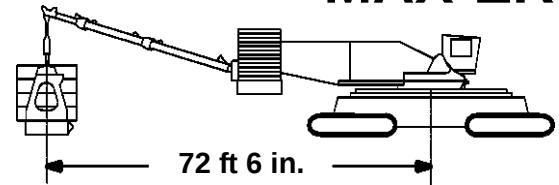
Capacities indicated by (b) require
37,000 lb minimum weight
suspended beneath luffing jib point.

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
247,300 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	
85	74.2	423.0	377,300	544,100*													85
90	72.7	421.4	348,400	544,100*													90
95	71.2	419.7	323,000	522,400*													95
100	69.7	417.8	300,300	494,000*													100
105	68.1	415.8	280,100	468,200*													105
110	66.5	413.6	261,900	444,800*													110
115	65.0	411.2	245,400	423,200*													115
120	63.4	408.7	230,400	403,500*	69.4	414.7	185,200	373,500*									120
125	61.7	406.0	216,700	385,300*	67.9	412.7	173,500	356,500*									125
130	60.1	403.1	204,100	368,400*	66.3	410.5	162,800	340,800*									130
135	58.4	400.0	192,500	352,700*	64.7	408.1	153,000	326,200*									135
140	56.7	396.7	181,800	338,200*	63.1	405.5	143,900	312,600*									140
145	54.9	393.2	171,800	324,500*	61.5	402.8	135,400	299,700*									145
150	53.1	389.5	162,600	311,800*	59.8	399.9	127,500	287,500*									150
155	51.3	385.4	154,000	299,700*	58.1	396.8	120,200	276,000*	64.3	403.1	86,600	252,400*					155
160	49.4	381.1	145,900	288,200*	56.4	393.4	113,300	265,300*	62.7	400.5	80,900	242,400*					160
165	47.5	376.6	138,300	277,300*	54.6	389.9	106,900	255,200*	61.1	397.8	75,600	233,100*					165
170	45.5	371.6	131,100	267,100*	52.8	386.1	100,800	245,600*	59.4	394.8	70,600	224,200*					170
175	43.4	366.4	124,400	257,400*	51.0	382.0	95,100	236,700*	57.7	391.6	65,800	215,900*					175
180	41.2	360.7	118,000	248,200*	49.1	377.7	89,700	228,200*	56.0	388.2	61,400	208,100*					180
185	38.9	354.5	111,900	239,600*	47.1	373.0	84,600	220,100*	54.2	384.6	57,100	200,600*					185
190	36.5	347.9	106,200	231,300*	45.1	368.1	79,700	212,500*	52.4	380.8	53,100	193,600*	58.9	387.8	26,800	174,800*	190
195	34.0	340.5	100,700	223,500*	43.0	362.7	75,100	205,200*	50.6	376.7	49,300	186,800*	57.2	384.6	23,800	168,700*	195
200	31.3	332.4	95,400	215,900*	40.8	357.0	70,600	198,300*	48.7	372.3	45,700	180,500*	55.4	381.1	20,900	162,800*	200
205	28.3	323.4	90,300	208,800*	38.6	350.7	66,400	191,700*	46.7	367.6	42,200	174,400*	53.7	377.4	18,100	157,200*	205
210	25.0	313.0	85,300	201,800*	36.1	344.0	62,300	185,400*	44.7	362.5	38,900	168,500*	51.8	373.5	15,500	151,800*	210
215	21.2	300.7	80,500	195,200*	33.6	336.5	58,400	179,300*	42.5	357.1	35,700	163,000*	50.0	369.3	12,900	146,700*	215
220	16.6	285.2	75,600	188,600*	30.8	328.3	54,600	173,500*	40.3	351.2	32,600	157,700*	48.0	364.8	10,500	141,800*	220
225	9.8	262.1	70,400	182,000*	27.8	319.0	50,900	167,900*	38.0	344.9	29,600	152,500*	46.0	360.0	8,200	137,100*	225
230					24.4	308.4	47,300	162,400*	35.6	338.0	26,800	147,600*	44.0	354.8	5,900	132,600*	230
235					20.5	295.7	43,700	157,100*	33.0	330.3	24,000	142,900*	41.8	349.2	3,700	128,300*	235
240					15.6	279.5	40,000	151,900*	30.1	321.9	21,200	138,300*	39.6	343.2	1,600	124,100*	240
245					8.1	253.5	35,800	146,400*	27.1	312.3	18,500	133,800*	37.3	336.7		120,100*	245
250									23.6	301.3	15,900	129,500*	34.8	329.6		116,200*	250
260									14.3	270.5	10,300	120,900*	29.2	313.0		108,800*	260
270													22.4	291.4		101,700*	270
280													12.2	257.2		94,500*	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

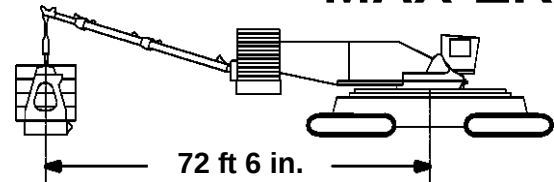
200,000 lb Carbody Counterweight

247,300 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	
90	74.3	442.4	344,900	477,200*(b)													90
95	73.0	440.8	319,300	477,200*(b)													95
100	71.6	439.1	296,600	477,200*													100
105	70.2	437.3	276,300	464,400*													105
110	68.8	435.4	258,100	441,000*													110
115	67.4	433.2	241,600	419,500*													115
120	66.0	431.0	226,500	399,800*													120
125	64.5	428.6	212,800	381,600*	70.0	434.3	168,400	352,100*									125
130	63.1	426.0	200,200	364,800*	68.6	432.3	157,800	336,400*									130
135	61.6	423.3	188,700	349,200*	67.2	430.2	147,900	321,900*									135
140	60.1	420.4	178,000	334,600*	65.7	427.9	138,900	308,300*									140
145	58.5	417.4	168,000	321,100*	64.3	425.5	130,500	295,600*									145
150	57.0	414.1	158,800	308,400*	62.8	422.9	122,700	283,500*									150
155	55.4	410.6	150,200	296,500*	61.3	420.1	115,400	272,000*									155
160	53.8	407.0	142,200	285,000*	59.8	417.2	108,500	261,400*									160
165	52.1	403.1	134,600	274,200*	58.3	414.1	102,200	251,300*	63.9	420.5	69,900	228,600*					165
170	50.4	399.0	127,500	264,000*	56.7	410.8	96,200	241,800*	62.5	417.9	64,900	219,800*					170
175	48.7	394.6	120,900	254,400*	55.1	407.3	90,500	232,900*	61.0	415.1	60,300	211,600*					175
180	46.9	389.9	114,500	245,300*	53.5	403.6	85,200	224,500*	59.5	412.1	55,900	203,800*					180
185	45.1	384.9	108,600	236,700*	51.9	399.7	80,100	216,500*	57.9	409.0	51,800	196,400*					185
190	43.2	379.6	102,900	228,500*	50.2	395.5	75,300	208,900*	56.4	405.6	47,800	189,400*					190
195	41.2	373.9	97,500	220,700*	48.4	391.1	70,800	201,700*	54.8	402.1	44,100	182,700*					195
200	39.2	367.8	92,400	213,300*	46.6	386.4	66,400	194,900*	53.1	398.4	40,500	176,400*	59.0	405.1	14,900	158,100*	200
205	37.0	361.2	87,500	206,300*	44.8	381.3	62,300	188,300*	51.5	394.4	37,100	170,400*	57.4	401.9	12,200	152,600*	205
210	34.8	354.1	82,800	199,500*	42.9	376.0	58,400	182,100*	49.8	390.1	33,900	164,600*	55.9	398.5	9,700	147,300*	210
215	32.3	346.3	78,300	193,100*	40.9	370.2	54,600	176,200*	48.0	385.6	30,800	159,100*	54.3	394.9	7,200	142,300*	215
220	29.7	337.7	73,900	186,900*	38.8	364.0	51,000	170,400*	46.2	380.9	27,800	153,900*	52.6	391.1	4,900	137,400*	220
225	26.9	328.1	69,700	180,900*	36.7	357.4	47,500	165,000*	44.4	375.8	25,000	148,800*	50.9	387.0	2,600	132,800*	225
230	23.8	317.1	65,500	175,100*	34.4	350.1	44,100	159,700*	42.4	370.3	22,200	144,000*	49.2	382.7	500	128,400*	230
235	20.2	304.2	61,500	169,500*	31.9	342.2	40,800	154,700*	40.4	364.5	19,600	139,400*	47.5	378.1		124,100*	235
240	15.7	287.9	57,300	164,000*	29.3	333.5	37,600	149,800*	38.3	358.2	17,000	134,900*	45.6	373.2		120,100*	240
245	9.3	263.6	52,900	158,400*	26.4	323.7	34,500	145,000*	36.1	351.4	14,500	130,600*	43.8	368.0		116,100*	245
250					23.2	312.4	31,400	140,400*	33.8	344.0	12,100	126,500*	41.8	362.5		112,300*	250
260					14.9	282.0	25,200	131,400*	28.7	327.0	7,400	118,500*	37.7	350.1		105,100*	260
270									22.4	305.2	2,800	111,000*	33.1	335.5		98,400*	270
280									13.6	272.8		103,600*	27.8	317.9		92,000*	280
290													21.3	295.0		85,900*	290
300													11.6	259.1		79,600*	300

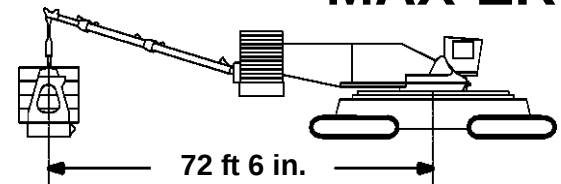
Capacities indicated by (b) require
37,000 lb minimum weight
suspended beneath luffing jib point.

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
247,300 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	
95	74.4	461.7	316,000	421,100*													95
100	73.2	460.2	293,300	421,100*													100
105	71.9	458.5	272,900	421,100*													105
110	70.7	456.8	254,600	421,100*													110
115	69.4	454.9	238,000	416,100*													115
120	68.1	452.9	222,900	396,400*													120
125	66.8	450.7	209,200	378,200*													125
130	65.5	448.4	196,600	361,400*													130
135	64.1	446.0	185,000	345,800*	69.2	451.8	143,500	318,100*									135
140	62.8	443.4	174,300	331,300*	67.9	449.8	134,500	304,600*									140
145	61.4	440.6	164,400	317,800*	66.6	447.6	126,100	292,000*									145
150	60.1	437.8	155,100	305,100*	65.3	445.3	118,300	279,900*									150
155	58.7	434.7	146,500	293,300*	63.9	442.8	111,000	268,500*									155
160	57.2	431.5	138,500	281,900*	62.6	440.2	104,200	257,800*									160
165	55.8	428.1	131,000	271,100*	61.2	437.5	97,800	247,800*									165
170	54.3	424.5	123,900	260,900*	59.8	434.5	91,900	238,400*	65.0	440.3	60,100	216,000*					170
175	52.8	420.7	117,300	251,400*	58.4	431.5	86,200	229,500*	63.6	437.9	55,400	207,700*					175
180	51.3	416.7	111,000	242,300*	57.0	428.2	80,900	221,100*	62.3	435.2	51,100	200,000*					180
185	49.7	412.4	105,100	233,700*	55.6	424.8	75,900	213,100*	60.9	432.4	47,000	192,600*					185
190	48.1	407.9	99,400	225,600*	54.1	421.1	71,200	205,600*	59.5	429.5	43,100	185,700*					190
195	46.5	403.2	94,100	217,900*	52.6	417.3	66,700	198,400*	58.1	426.3	39,400	179,000*					195
200	44.8	398.2	89,000	210,500*	51.0	413.2	62,400	191,600*	56.7	423.0	35,900	172,800*					200
205	43.0	392.8	84,200	203,600*	49.5	409.0	58,300	185,100*	55.2	419.6	32,500	166,800*					205
210	41.2	387.2	79,600	196,900*	47.9	404.5	54,400	179,000*	53.7	415.9	29,400	161,100*	59.1	422.5	4,600	143,400*	210
215	39.4	381.1	75,200	190,500*	46.2	399.7	50,700	173,000*	52.2	412.0	26,300	155,600*	57.7	419.3	2,200	138,400*	215
220	37.4	374.6	70,900	184,400*	44.5	394.6	47,200	167,400*	50.7	407.9	23,400	150,400*	56.2	415.9		133,600*	220
225	35.4	367.6	66,900	178,500*	42.8	389.2	43,700	162,000*	49.1	403.6	20,600	145,400*	54.8	412.4		129,000*	225
230	33.2	360.0	63,000	172,900*	40.9	383.5	40,500	156,800*	47.5	399.0	17,900	140,600*	53.3	408.6		124,700*	230
235	30.9	351.8	59,200	167,500*	39.0	377.3	37,300	151,800*	45.8	394.1	15,300	136,100*	51.7	404.7		120,500*	235
240	28.4	342.7	55,500	162,300*	37.1	370.7	34,300	147,000*	44.1	389.0	12,900	131,700*	50.2	400.5		116,400*	240
245	25.7	332.6	51,900	157,200*	35.0	363.7	31,300	142,400*	42.3	383.5	10,500	127,400*	48.6	396.1		112,500*	245
250	22.7	321.1	48,400	152,300*	32.8	356.0	28,500	138,000*	40.5	377.7	8,100	123,300*	47.0	391.5		108,800*	250
260	15.0	290.4	41,400	142,800*	28.0	338.4	23,000	129,500*	36.6	364.8	3,700	115,600*	43.6	381.3		101,700*	260
270					22.2	316.3	17,600	121,500*	32.3	349.8		108,400*	39.9	369.7		95,100*	270
280					14.2	284.4	12,200	113,700*	27.4	331.8		101,500*	36.0	356.5		88,900*	280
290									21.4	308.9		95,000*	31.6	341.1		83,100*	290
300									13.0	275.0		88,500*	26.5	322.5		77,500*	300
310													20.3	298.5		72,100*	310
320													11.0	260.9		66,600*	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

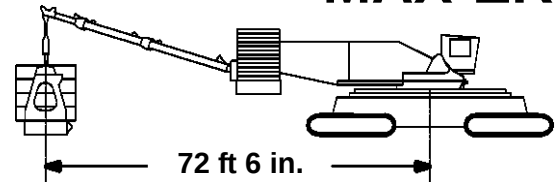
200,000 lb Carbody Counterweight

247,300 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

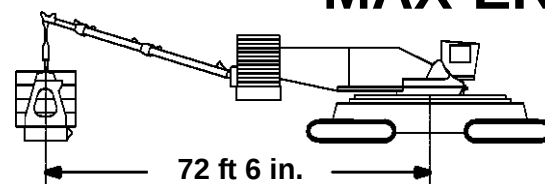
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing 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	Luffing Jib Capacity Pounds		
100	74.5	481.1	289,400	370,700*													100
105	73.4	479.6	269,000	370,700*													105
110	72.2	478.0	250,600	370,700*													110
115	71.0	476.2	234,000	370,700*													115
120	69.9	474.4	218,900	370,700*													120
125	68.7	472.4	205,200	369,500*													125
130	67.5	470.3	192,500	357,700*													130
135	66.3	468.1	180,900	342,100*													135
140	65.1	465.8	170,200	327,700*	69.7	471.4	129,300	300,200*									140
145	63.8	463.3	160,300	314,100*	68.5	469.4	121,000	287,700*									145
150	62.6	460.7	151,100	301,500*	67.3	467.2	113,200	275,700*									150
155	61.3	458.0	142,500	289,700*	66.1	465.0	106,000	264,400*									155
160	60.1	455.1	134,500	278,400*	64.9	462.7	99,200	253,800*									160
165	58.8	452.0	126,900	267,700*	63.6	460.2	92,900	243,800*									165
170	57.5	448.8	119,900	257,500*	62.4	457.5	86,900	234,400*									170
175	56.1	445.5	113,300	248,000*	61.1	454.8	81,300	225,500*									175
180	54.8	441.9	107,000	239,000*	59.8	451.9	76,100	217,200*	64.6	457.7	45,400	195,500*					180
185	53.4	438.2	101,100	230,400*	58.6	448.8	71,100	209,200*	63.3	455.2	41,300	188,200*					185
190	52.0	434.3	95,500	222,300*	57.2	445.6	66,400	201,700*	62.1	452.5	37,500	181,300*					190
195	50.6	430.2	90,200	214,700*	55.9	442.2	61,900	194,600*	60.8	449.7	33,900	174,700*					195
200	49.1	425.9	85,200	207,300*	54.6	438.6	57,700	187,900*	59.6	446.8	30,400	168,500*					200
205	47.6	421.3	80,400	200,400*	53.2	434.9	53,700	181,400*	58.3	443.7	27,100	162,500*					205
210	46.1	416.5	75,800	193,800*	51.8	430.9	49,800	175,300*	56.9	440.4	24,000	156,900*					210
215	44.5	411.4	71,500	187,400*	50.3	426.8	46,100	169,400*	55.6	437.0	21,000	151,500*					215
220	42.9	406.1	67,300	181,400*	48.9	422.4	42,600	163,800*	54.2	433.4	18,100	146,300*	59.1	439.8	129,100*		220
225	41.3	400.4	63,300	175,600*	47.4	417.8	39,300	158,400*	52.9	429.6	15,400	141,400*	57.8	436.6	124,500*		225
230	39.5	394.4	59,500	170,000*	45.9	413.0	36,100	153,300*	51.5	425.6	12,800	136,600*	56.5	433.3	120,200*		230
235	37.7	387.9	55,800	164,700*	44.3	407.8	33,000	148,400*	50.0	421.4	10,300	132,100*	55.2	429.8	116,000*		235
240	35.9	381.1	52,200	159,600*	42.7	402.4	30,000	143,600*	48.5	417.0	7,800	127,700*	53.8	426.2	112,000*		240
245	33.9	373.7	48,800	154,600*	41.0	396.7	27,200	139,100*	47.0	412.3	5,500	123,600*	52.4	422.3	108,200*		245
250	31.8	365.7	45,500	149,900*	39.2	390.6	24,400	134,700*	45.5	407.4	3,300	119,500*	51.0	418.3	104,500*		250
260	27.3	347.5	39,200	140,800*	35.5	377.1	19,100	126,400*	42.3	396.8		111,900*	48.1	409.5	97,500*		260
270	21.8	324.9	33,100	132,300*	31.5	361.6	14,200	118,700*	38.8	384.8		104,800*	45.0	399.8	91,000*		270
280	14.4	292.9	27,000	124,000*	26.8	343.1	9,400	111,400*	35.1	371.1		98,200*	41.7	388.9	85,000*		280
290					21.3	320.0	4,800	104,400*	31.0	355.3		91,900*	38.3	376.7	79,300*		290
300					13.6	286.6		97,600*	26.3	336.4		86,000*	34.5	362.7	73,900*		300
310									20.6	312.5		80,300*	30.3	346.5	68,800*		310
320									12.4	277.0		74,500*	25.4	327.0	64,000*		320
330													19.5	301.9	58,300*		330
340													10.6	262.6	52,300*		340

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



220 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	
105	74.6	500.5	267,500	325,400*									105
110	73.5	499.0	248,900	325,400*									110
115	72.4	497.4	232,000	325,400*									115
120	71.4	495.7	216,800	325,400*									120
125	70.3	493.9	202,800	325,400*									125
130	69.2	492.0	190,100	325,400*									130
135	68.1	489.9	178,400	325,400*									135
140	67.0	487.8	167,500	319,500*									140
145	65.8	485.5	157,500	311,100*									145
150	64.7	483.2	148,200	298,400*	69.0	488.9	109,600	272,300*					150
155	63.6	480.7	139,600	286,600*	67.9	486.9	102,300	261,000*					155
160	62.4	478.0	131,500	275,500*	66.8	484.7	95,500	250,400*					160
165	61.2	475.3	124,000	264,800*	65.6	482.4	89,100	240,400*					165
170	60.1	472.4	116,900	254,600*	64.5	480.0	83,200	231,100*					170
175	58.9	469.4	110,200	245,100*	63.4	477.5	77,600	222,300*					175
180	57.6	466.2	103,900	236,100*	62.2	474.9	72,300	213,900*					180
185	56.4	462.9	98,000	227,600*	61.0	472.1	67,300	206,000*					185
190	55.2	459.4	92,400	219,500*	59.9	469.2	62,600	198,500*	64.3	475.1	33,100	177,700*	190
195	53.9	455.7	87,100	211,900*	58.7	466.1	58,200	191,500*	63.1	472.5	29,500	171,200*	195
200	52.6	451.9	82,100	204,600*	57.4	462.9	53,900	184,700*	61.9	469.9	26,000	165,000*	200
205	51.3	447.9	77,300	197,600*	56.2	459.6	49,900	178,300*	60.8	467.0	22,800	159,100*	205
210	50.0	443.7	72,700	191,000*	55.0	456.0	46,100	172,200*	59.6	464.1	19,700	153,400*	210
215	48.6	439.3	68,400	184,700*	53.7	452.4	42,400	166,300*	58.4	461.0	16,700	148,100*	215
220	47.2	434.6	64,200	178,700*	52.4	448.5	39,000	160,800*	57.2	457.8	13,900	142,900*	220
225	45.8	429.8	60,300	173,000*	51.1	444.5	35,600	155,400*	55.9	454.4	11,200	138,000*	225
230	44.3	424.7	56,500	167,400*	49.7	440.2	32,400	150,300*	54.7	450.8	8,600	133,300*	230
235	42.8	419.3	52,800	162,100*	48.4	435.8	29,400	145,400*	53.4	447.1	6,100	128,800*	235
240	41.3	413.6	49,300	157,100*	47.0	431.1	26,400	140,700*	52.1	443.2	3,700	124,500*	240
245	39.7	407.6	46,000	152,200*	45.5	426.2	23,600	136,200*	50.8	439.1	1,400	120,400*	245
250	38.0	401.2	42,700	147,500*	44.1	421.1	20,900	131,900*	49.4	434.9		116,400*	250
260	34.5	387.3	36,600	138,600*	41.0	409.9	15,800	123,700*	46.7	425.6		108,800*	260
270	30.6	371.2	30,800	130,300*	37.7	397.4	11,000	116,100*	43.7	415.5		101,800*	270
280	26.2	352.2	25,300	122,500*	34.2	383.3	6,400	108,900*	40.6	404.2		95,300*	280
290	21.0	328.5	20,000	115,100*	30.3	367.0	2,100	102,200*	37.3	391.5		89,100*	290
300	13.8	295.2	14,600	107,900*	25.8	347.7		95,900*	33.8	377.2		83,400*	300
310					20.5	323.5		89,800*	29.8	360.6		77,900*	310
320					13.1	288.9		83,800*	25.3	340.9		72,700*	320
330									19.8	315.9		67,600*	330
340									12.0	279.0		62,500*	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

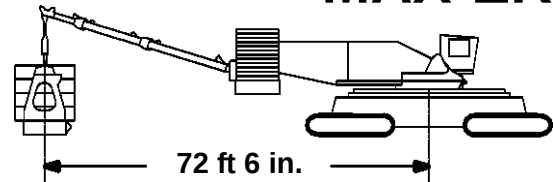
200,000 lb Carbody Counterweight

247,300 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

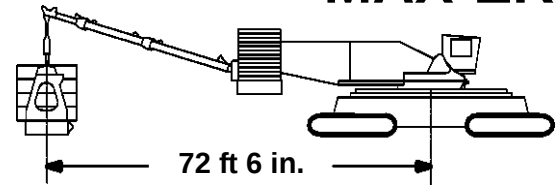
Jib Oper. Rad. Feet	85 Degree Boom Angle					80 Degree Boom Angle					75 Degree Boom Angle					Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds		Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To 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		
115	73.6	518.4	227,900	286,700*												115
120	72.6	516.8	212,600	286,700*												120
125	71.6	515.1	198,600	286,700*												125
130	70.6	513.3	185,900	286,700*												130
135	69.6	511.5	174,100	286,700*												135
140	68.6	509.5	163,300	286,700*												140
145	67.5	507.4	153,300	286,700*												145
150	66.5	505.2	144,000	283,200*												150
155	65.5	503.0	135,300	277,300*	69.4	508.4	97,100	256,800*								155
160	64.4	500.5	127,200	271,200*	68.4	506.4	90,300	246,200*								160
165	63.3	498.0	119,700	261,200*	67.4	504.3	84,000	236,300*								165
170	62.2	495.4	112,600	251,100*	66.3	502.1	78,100	227,000*								170
175	61.2	492.6	105,900	241,600*	65.3	499.8	72,500	218,200*								175
180	60.1	489.7	99,700	232,600*	64.2	497.4	67,200	209,900*								180
185	58.9	486.7	93,700	224,100*	63.1	494.9	62,300	202,000*								185
190	57.8	483.5	88,200	216,000*	62.1	492.2	57,600	194,600*								190
195	56.7	480.2	82,900	208,400*	61.0	489.4	53,200	187,500*	65.0	494.9	23,800	166,800*				195
200	55.5	476.8	77,800	201,100*	59.9	486.5	49,000	180,800*	64.0	492.4	20,400	160,600*				200
205	54.3	473.2	73,100	194,200*	58.7	483.5	45,000	174,400*	62.9	489.9	17,100	154,700*				205
210	53.1	469.5	68,500	187,600*	57.6	480.3	41,200	168,300*	61.8	487.2	14,100	149,100*				210
215	51.9	465.5	64,200	181,400*	56.5	477.0	37,600	162,500*	60.7	484.4	11,100	143,800*				215
220	50.7	461.4	60,100	175,400*	55.3	473.5	34,100	156,900*	59.6	481.4	8,300	138,700*				220
225	49.4	457.1	56,100	169,600*	54.1	469.9	30,800	151,600*	58.5	478.4	5,700	133,800*				225
230	48.1	452.7	52,400	164,100*	52.9	466.1	27,600	146,600*	57.4	475.1	3,100	129,100*				230
235	46.8	448.0	48,800	158,900*	51.7	462.1	24,600	141,700*	56.2	471.8	700	124,600*				235
240	45.5	443.1	45,300	153,800*	50.5	458.0	21,700	137,000*	55.0	468.3		120,400*				240
245	44.1	437.9	42,000	147,900*	49.2	453.7	18,900	132,600*	53.9	464.6		116,200*				245
250	42.7	432.5	38,800	141,800*	47.9	449.2	16,300	128,200*	52.7	460.8		112,300*				250
260	39.8	420.9	32,700	130,200*	45.3	439.5	11,200	120,100*	50.2	452.6		104,800*				260
270	36.7	407.9	27,100	119,200*	42.5	428.9	6,500	112,600*	47.6	443.7		97,900*				270
280	33.3	393.2	21,800	109,000*	39.5	417.1	2,100	105,500*	45.0	434.0		91,400*				280
290	29.5	376.4	16,700	99,400*	36.4	404.0		98,900*	42.2	423.2		85,400*				290
300	25.3	356.6	11,900	90,400*	33.0	389.2		92,700*	39.2	411.3		79,700*				300
310	20.2	332.0	7,300	82,300*	29.2	372.2		86,800*	36.0	398.0		74,300*				310
320	13.4	297.5	2,500	75,500*	24.9	352.1		81,200*	32.6	383.0		69,300*				320
330					19.7	326.9		75,900*	28.7	365.7		64,400*				330
340					12.6	291.0		70,500*	24.4	345.1		59,800*				340
350									19.1	319.2		54,800*				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
247,300 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	381,900	597,500*b													85
90	61.1	354.8	353,600	562,300*b													90
95	58.3	351.7	328,600	530,700*b				c									95
100	55.4	348.2	306,200	502,100*b				c									100
105	52.4	344.4	286,100	476,200*b	64.3	355.1	234,800	442,300*b									105
110	49.2	340.0	268,000	452,400*	61.6	352.4	219,500	420,300*b									110
115	45.9	335.2	251,400	430,700*	58.8	349.3	205,600	400,100*b									115
120	42.4	329.8	236,200	410,600*	55.9	345.9	192,900	381,500*b									120
125	38.6	323.5	222,200	392,000*	52.9	342.1	181,200	364,300*b	64.6	350.6	139,300	336,100*b					125
130	34.4	316.4	209,100	374,700*	49.8	337.9	170,400	348,400*	61.9	347.9	130,500	321,300*b					130
135	29.7	307.9	196,900	358,400*	46.5	333.2	160,400	333,500*	59.1	344.9	122,300	307,200*b					135
140	24.1	297.3	185,200	343,100*	43.0	327.8	151,000	319,600*	56.2	341.6	114,800	294,000*b					140
145	16.7	282.6	173,700	328,400*	39.3	321.8	142,200	306,200*	53.3	337.8	107,700	281,700*b					145
150					35.2	314.8	133,900	293,500*	50.2	333.6	101,000	270,200*					150
155					30.6	306.6	126,000	281,600*	46.9	329.0	94,800	259,400*	59.2	338.4	62,600	236,600*b	155
160					25.2	296.5	118,200	270,200*	43.4	323.7	88,800	249,200*	56.3	335.1	58,000	227,300*b	160
165					18.2	282.8	110,500	259,200*	39.7	317.7	83,200	239,600*	53.3	331.3	53,700	218,500*b	165
170					2.9	251.2	100,600	247,000*	35.7	310.9	77,700	230,400*	50.2	327.2	49,500	210,300*	170
175									31.1	302.8	72,400	221,700*	46.9	322.5	45,600	202,400*	175
180									25.9	293.0	67,200	213,200*	43.5	317.2	41,800	195,000*	180
185									19.2	279.9	61,900	205,000*	39.8	311.3	38,100	187,800*	185
190									7.3	255.6	55,300	196,100*	35.7	304.5	34,500	181,000*	190
195													31.2	296.4	30,900	174,400*	195
200													25.9	286.6	27,300	168,000*	200
205													19.3	273.6	23,500	161,700*	205
210													7.7	249.8	18,600	154,700*	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

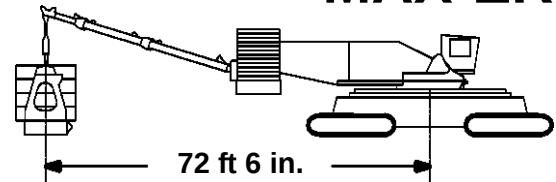
200,000 lb Carbody Counterweight

247,300 lb Hanging Counterweight

at 72 ft 6 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



72 ft 6 in.

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	380,500	594,200*b													85
90	65.6	377.5	352,100	559,200*b													90
95	63.3	374.9	327,100	527,700*b													95
100	60.9	372.1	304,700	499,300*b													100
105	58.5	369.0	284,700	473,500*b	68.2	377.2	230,900	438,100*b									105
110	56.1	365.7	266,600	450,000*	66.0	374.9	215,700	416,300*b									110
115	53.5	362.0	250,200	428,400*	63.7	372.4	201,900	396,300*b									115
120	50.9	357.9	235,200	408,500*	61.4	369.7	189,300	377,800*b									120
125	48.1	353.4	221,500	390,100*	59.0	366.7	177,800	360,800*b									125
130	45.3	348.5	208,800	373,100*	56.5	363.3	167,200	345,100*									130
135	42.2	343.0	197,000	357,300*	54.0	359.7	157,400	330,400*	64.0	368.0	117,300	302,900*b					135
140	39.0	336.9	186,100	342,500*	51.4	355.7	148,200	316,800*	61.6	365.2	109,900	289,900*b					140
145	35.5	329.9	175,800	328,600*	48.6	351.3	139,700	303,700*	59.3	362.2	103,000	277,700*b					145
150	31.7	322.0	166,100	315,500*	45.8	346.4	131,800	291,300*	56.8	359.0	96,600	266,400*					150
155	27.3	312.6	156,900	302,900*	42.8	341.1	124,300	279,700*	54.3	355.4	90,500	255,800*					155
160	22.2	301.1	148,000	290,700*	39.6	335.1	117,200	268,800*	51.7	351.4	84,900	245,800*					160
165	15.3	285.1	139,100	278,900*	36.2	328.3	110,500	258,500*	49.0	347.0	79,500	236,400*	59.3	355.8	48,200	214,100*b	165
170					32.4	320.6	104,100	248,700*	46.1	342.2	74,400	227,500*	56.8	352.5	44,200	206,000*	170
175					28.2	311.5	97,900	239,300*	43.1	336.9	69,600	219,100*	54.3	348.9	40,500	198,400*	175
180					23.2	300.5	91,800	230,400*	40.0	331.0	65,000	211,100*	51.7	344.9	37,000	191,100*	180
185					16.8	285.6	85,700	221,600*	36.6	324.4	60,500	203,500*	49.0	340.6	33,600	184,200*	185
190					2.5	251.2	77,500	211,700*	32.8	316.7	56,200	196,200*	46.2	335.8	30,300	177,600*	190
195									28.7	307.9	52,000	189,200*	43.2	330.5	27,200	171,400*	195
200									23.8	297.1	47,700	182,400*	40.0	324.6	24,100	165,400*	200
205									17.6	282.8	43,400	175,600*	36.6	317.9	21,200	159,600*	205
210									6.6	256.5	37,900	168,300*	32.9	310.3	18,300	154,100*	210
215													28.7	301.5	15,300	148,700*	215
220													23.9	290.7	12,400	143,400*	220
225													17.7	276.5	9,200	138,100*	225
230													7.0	250.8	5,100	132,300*	230

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

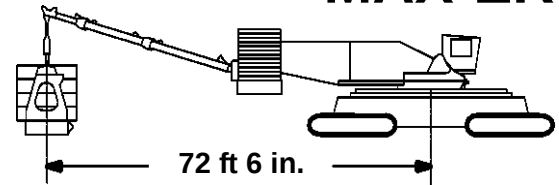
Do not luff into area indicated by
(c) with 37,000 lb minimum weight
(see CAUTION on page 1).

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
247,300 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	
75				c													75
80				c													80
85	70.7	401.3	378,800	591,600*b													85
90	68.8	399.4	350,400	556,700*b													90
95	66.9	397.2	325,300	525,300*b													95
100	64.9	394.8	303,000	497,000*b													100
105	62.9	392.2	283,000	471,300*b													105
110	60.8	389.4	265,000	447,800*	69.2	396.8	212,400	413,200*b									110
115	58.7	386.4	248,700	426,300*	67.2	394.6	198,700	393,300*b									115
120	56.6	383.1	233,800	406,600*	65.3	392.3	186,300	374,900*b									120
125	54.4	379.5	220,100	388,300*	63.2	389.8	174,800	358,000*b									125
130	52.1	375.6	207,600	371,500*	61.2	387.0	164,300	342,400*									130
135	49.8	371.3	196,000	355,800*	59.1	384.0	154,600	327,800*									135
140	47.3	366.7	185,300	341,100*	57.0	380.7	145,700	314,300*									140
145	44.8	361.7	175,300	327,500*	54.8	377.2	137,300	301,400*	63.5	385.3	99,200	274,600*b					145
150	42.1	356.2	165,900	314,600*	52.5	373.3	129,500	289,200*	61.4	382.6	92,900	263,400*					150
155	39.3	350.1	157,100	302,400*	50.2	369.2	122,200	277,800*	59.3	379.6	87,100	252,900*					155
160	36.3	343.4	148,900	290,700*	47.8	364.6	115,400	267,000*	57.2	376.4	81,500	243,000*					160
165	33.1	335.9	141,000	279,700*	45.2	359.7	108,900	256,900*	55.0	372.8	76,300	233,700*					165
170	29.5	327.2	133,600	269,200*	42.6	354.3	102,800	247,300*	52.8	369.0	71,400	225,000*					170
175	25.4	317.1	126,400	259,200*	39.8	348.3	97,000	238,300*	50.5	364.9	66,800	216,700*	59.4	373.1	36,500	195,200*	175
180	20.6	304.6	119,400	249,600*	36.9	341.7	91,500	229,700*	48.0	360.4	62,300	208,900*	57.2	369.9	33,100	188,000*	180
185	14.2	287.4	112,200	240,200*	33.7	334.3	86,200	221,500*	45.5	355.5	58,100	201,400*	55.1	366.4	29,800	181,300*	185
190					30.2	325.9	81,100	213,700*	42.9	350.1	54,100	194,400*	52.8	362.5	26,800	174,800*	190
195					26.2	316.1	76,200	206,200*	40.2	344.3	50,300	187,600*	50.5	358.4	23,800	168,700*	195
200					21.6	304.1	71,200	198,900*	37.2	337.7	46,600	181,200*	48.1	353.9	21,000	162,800*	200
205					15.6	288.2	66,200	191,800*	34.0	330.5	43,000	175,000*	45.6	349.0	18,300	157,300*	205
210					2.1	251.1	59,400	183,600*	30.6	322.2	39,500	169,000*	43.0	343.7	15,600	151,900*	210
215									26.7	312.5	36,000	163,300*	40.2	337.8	13,100	146,800*	215
220									22.2	300.9	32,500	157,700*	37.3	331.3	10,600	141,900*	220
225									16.4	285.6	28,900	152,100*	34.1	324.0	8,200	137,100*	225
230									6.1	257.4	24,300	145,900*	30.6	315.7	5,800	132,500*	230
235													26.8	306.1	3,300	128,000*	235
240													22.2	294.5	800	123,600*	240
245													16.5	279.3		119,100*	245
250													6.4	251.6		114,100*	250

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).

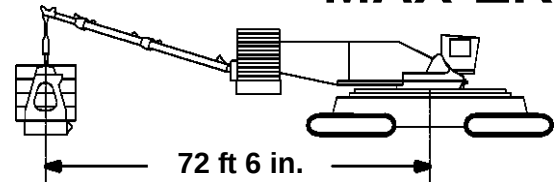
Liftcrane Luffing Jib Capacities

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
247,300 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	
80				^c													80
85	73.0	422.5	377,100	562,600* ^b													85
90	71.3	420.8	348,400	552,800* ^b													90
95	69.6	418.9	323,100	521,600* ^b													95
100	67.9	416.8	300,600	493,300* ^b													100
105	66.1	414.6	280,500	467,700* ^b													105
110	64.4	412.2	262,400	444,300*													110
115	62.6	409.6	246,000	422,900*	69.9	416.3	194,300	388,800* ^b									115
120	60.7	406.7	231,000	403,200*	68.2	414.3	181,800	370,500* ^b									120
125	58.9	403.7	217,400	385,000*	66.4	412.1	170,400	353,700* ^b									125
130	57.0	400.5	204,900	368,200*	64.7	409.7	159,900	338,200*									130
135	55.0	396.9	193,300	352,600*	62.9	407.1	150,300	323,700*									135
140	53.0	393.2	182,600	338,100*	61.1	404.3	141,400	310,300*									140
145	51.0	389.1	172,700	324,500*	59.2	401.3	133,100	297,600*									145
150	48.9	384.7	163,400	311,800*	57.3	398.1	125,400	285,500*	64.9	405.2	87,400	258,800*					150
155	46.7	380.0	154,800	299,900*	55.4	394.6	118,200	274,100*	63.1	402.6	81,600	248,400*					155
160	44.4	375.0	146,600	288,300*	53.4	390.9	111,400	263,500*	61.3	399.9	76,200	238,600*					160
165	42.0	369.4	139,000	277,400*	51.4	386.9	105,100	253,500*	59.4	396.9	71,100	229,400*					165
170	39.5	363.4	131,800	267,200*	49.3	382.6	99,100	244,000*	57.5	393.7	66,200	220,800*					170
175	36.9	356.8	125,000	257,400*	47.1	378.0	93,500	235,100*	55.6	390.3	61,700	212,600*					175
180	34.1	349.5	118,500	248,200*	44.8	372.9	88,100	226,600*	53.6	386.6	57,400	204,900*					180
185	31.1	341.4	112,300	239,500*	42.5	367.5	83,000	218,600*	51.6	382.6	53,300	197,500*	59.4	390.4	23,800	176,600*	185
190	27.7	332.1	106,300	231,100*	40.0	361.6	78,200	211,000*	49.5	378.3	49,500	190,600*	57.6	387.2	20,900	170,200*	190
195	23.9	321.2	100,500	223,100*	37.4	355.1	73,500	203,800*	47.3	373.7	45,800	184,000*	55.6	383.8	18,100	164,200*	195
200	19.4	307.9	94,800	215,300*	34.6	347.9	69,100	196,800*	45.1	368.8	42,300	177,600*	53.7	380.1	15,400	158,500*	200
205	13.3	289.6	88,900	207,600*	31.6	340.0	64,800	190,200*	42.7	363.4	38,900	171,600*	51.6	376.1	12,800	153,000*	205
210					28.3	330.9	60,600	183,800*	40.3	357.5	35,600	165,900*	49.5	371.9	10,300	147,800*	210
215					24.6	320.4	56,500	177,600*	37.7	351.1	32,500	160,300*	47.4	367.3	7,900	142,800*	215
220					20.3	307.6	52,400	171,600*	35.0	344.0	29,400	155,000*	45.1	362.3	5,600	138,000*	220
225					14.6	290.6	48,200	165,600*	32.0	336.1	26,400	149,900*	42.8	356.9	3,400	133,400*	225
230					1.9	251.0	42,300	158,700*	28.7	327.2	23,500	145,000*	40.3	351.1	1,200	128,900*	230
235									25.1	316.9	20,600	140,200*	37.7	344.6		124,700*	235
240									20.8	304.5	17,700	135,400*	35.0	337.6		120,500*	240
245									15.4	288.1	14,600	130,700*	32.0	329.7		116,500*	245
250									5.7	258.1	10,600	125,500*	28.8	320.8		112,700*	250
260													20.9	298.1		105,100*	260
270													6.0	252.5		97,000*	270

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

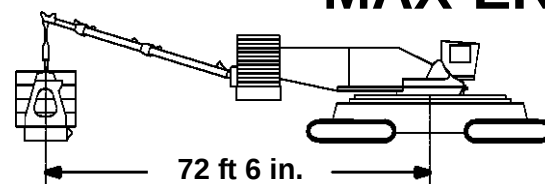
Do not luff into area indicated by
(c) with 37,000 lb minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

21000
MAX-ER



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	
85	74.7	443.4	374,600	496,400 b													85
90	73.2	441.9	345,800	496,400 b													90
95	71.7	440.2	320,500	496,400 b													95
100	70.2	438.4	297,900	490,400 b													100
105	68.7	436.4	277,800	464,800*													105
110	67.1	434.3	259,700	441,400*													110
115	65.5	432.0	243,200	420,100*													115
120	63.9	429.5	228,300	400,400*													120
125	62.3	426.9	214,700	382,300*	68.9	433.8	166,600	350,300*									125
130	60.7	424.1	202,200	365,600*	67.4	431.7	156,200	334,800*									130
135	59.0	421.0	190,700	350,000*	65.8	429.5	146,600	320,500*									135
140	57.3	417.8	180,000	335,600*	64.2	427.0	137,700	307,100*									140
145	55.5	414.4	170,100	322,000*	62.6	424.4	129,500	294,600*									145
150	53.8	410.7	160,900	309,400*	61.0	421.6	121,800	282,500*									150
155	51.9	406.8	152,300	297,500*	59.3	418.6	114,700	271,200*									155
160	50.1	402.6	144,300	286,100*	57.6	415.5	108,000	260,600*	64.4	422.6	71,800	235,200*					160
165	48.2	398.1	136,800	275,300*	55.9	412.1	101,700	250,700*	62.8	420.0	66,800	226,000*					165
170	46.2	393.3	129,700	265,200*	54.1	408.4	95,800	241,300*	61.1	417.2	62,100	217,400*					170
175	44.1	388.2	123,000	255,600*	52.3	404.6	90,300	232,400*	59.5	414.2	57,600	209,300*					175
180	42.0	382.6	116,600	246,500*	50.4	400.4	85,000	224,100*	57.8	411.1	53,400	201,700*					180
185	39.7	376.7	110,600	237,800*	48.5	396.0	80,100	216,100*	56.1	407.7	49,400	194,400*					185
190	37.4	370.2	104,900	229,700*	46.5	391.3	75,300	208,600*	54.3	404.1	45,700	187,500*					190
195	34.9	363.1	99,400	221,800*	44.5	386.2	70,800	201,500*	52.5	400.2	42,100	181,000*	59.5	407.7	13,500	160,700*	195
200	32.3	355.3	94,200	214,400*	42.4	380.7	66,500	194,700*	50.6	396.1	38,600	174,800*	57.8	404.6	10,900	155,000*	200
205	29.4	346.6	89,200	207,300*	40.2	374.8	62,400	188,200*	48.7	391.7	35,400	168,800*	56.1	401.2	8,500	149,600*	205
210	26.2	336.7	84,300	200,400*	37.8	368.4	58,500	181,900*	46.8	387.0	32,200	163,200*	54.3	397.6	6,100	144,500*	210
215	22.6	325.2	79,500	193,800*	35.4	361.5	54,700	176,000*	44.7	382.0	29,200	157,700*	52.5	393.8	3,800	139,500*	215
220	18.3	311.0	74,800	187,400*	32.7	353.8	51,000	170,300*	42.6	376.6	26,300	152,500*	50.7	389.7	1,600	134,800*	220
225	12.6	291.7	69,900	180,900*	29.9	345.3	47,500	164,800*	40.4	370.7	23,500	147,600*	48.8	385.3		130,300*	225
230					26.8	335.6	44,000	159,400*	38.1	364.4	20,800	142,800*	46.8	380.6		126,000*	230
235					23.3	324.4	40,600	154,300*	35.7	357.5	18,200	138,200*	44.8	375.5		121,800*	235
240					19.2	310.9	37,100	149,200*	33.1	349.9	15,700	133,700*	42.6	370.1		117,800*	240
245					13.8	292.9	33,500	144,200*	30.3	341.5	13,200	129,400*	40.4	364.3		113,900*	245
250					1.7	250.9	28,400	138,200*	27.2	332.0	10,700	125,200*	38.1	358.0		110,200*	250
260									19.7	307.8	5,700	117,100*	33.1	343.5		103,100*	260
270									5.3	258.9		108,500*	27.2	325.6		96,400*	270
280													19.7	301.5		89,800*	280
290													5.6	253.3		82,800*	290

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

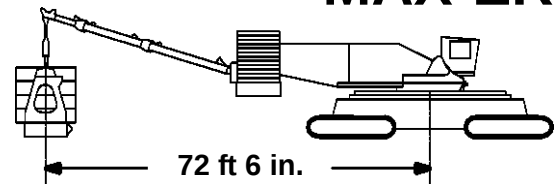
Liftcrane Luffing Jib Capacities

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
247,300 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	
90	74.8	462.8	342,100	438,100 b													90
95	73.4	461.3	316,700	438,100 b													95
100	72.1	459.6	294,100	438,100 b													100
105	70.7	457.9	273,900	438,100*													105
110	69.3	456.0	255,700	430,600*													110
115	67.9	453.9	239,300	416,300*													115
120	66.5	451.7	224,400	396,700*													120
125	65.0	449.4	210,700	378,600*													125
130	63.6	446.9	198,200	361,900*	69.5	453.4	150,900	330,300*									130
135	62.1	444.2	186,700	346,400*	68.1	451.4	141,300	316,000*									135
140	60.6	441.4	176,100	332,000*	66.7	449.2	132,500	302,700*									140
145	59.1	438.4	166,200	318,500*	65.3	446.9	124,300	290,300*									145
150	57.5	435.2	157,100	305,900*	63.8	444.4	116,800	278,300*									150
155	56.0	431.8	148,500	294,100*	62.4	441.8	109,700	267,100*									155
160	54.4	428.2	140,500	282,900*	60.9	439.0	103,000	256,600*									160
165	52.7	424.4	133,000	272,100*	59.4	436.0	96,800	246,700*									165
170	51.0	420.3	126,000	262,000*	57.8	432.8	91,000	237,400*	64.0	439.9	56,200	212,800*					170
175	49.3	416.0	119,300	252,500*	56.2	429.5	85,500	228,600*	62.5	437.3	51,800	204,800*					175
180	47.6	411.5	113,100	243,400*	54.6	425.9	80,300	220,300*	61.0	434.5	47,700	197,200*					180
185	45.7	406.6	107,200	234,900*	53.0	422.1	75,400	212,400*	59.5	431.6	43,800	190,000*					185
190	43.9	401.4	101,500	226,800*	51.3	418.1	70,800	204,900*	58.0	428.4	40,100	183,200*					190
195	41.9	395.9	96,200	219,100*	49.6	413.9	66,400	197,900*	56.4	425.1	36,600	176,700*					195
200	39.9	389.9	91,100	211,700*	47.9	409.4	62,200	191,100*	54.8	421.6	33,200	170,500*					200
205	37.8	383.5	86,200	204,700*	46.1	404.6	58,100	184,700*	53.2	417.8	30,100	164,700*	59.5	425.1	2,300	144,900*	205
210	35.6	376.6	81,600	198,000*	44.2	399.4	54,300	178,600*	51.5	413.8	27,000	159,100*	58.0	421.9		139,800*	210
215	33.2	369.0	77,100	191,600*	42.3	394.0	50,700	172,700*	49.8	409.6	24,100	153,700*	56.4	418.6		134,900*	215
220	30.7	360.7	72,800	185,400*	40.3	388.1	47,100	167,100*	48.1	405.1	21,300	148,600*	54.9	415.1		130,300*	220
225	27.9	351.5	68,600	179,500*	38.2	381.8	43,700	161,700*	46.3	400.4	18,600	143,700*	53.2	411.3		125,800*	225
230	24.9	341.0	64,500	173,800*	36.0	374.9	40,500	156,500*	44.4	395.3	16,000	139,000*	51.6	407.4		121,600*	230
235	21.5	328.9	60,500	168,200*	33.6	367.5	37,300	151,600*	42.5	389.8	13,600	134,500*	49.9	403.1		117,500*	235
240	17.4	314.0	56,500	162,800*	31.1	359.3	34,300	146,800*	40.5	384.0	11,100	130,100*	48.1	398.6		113,500*	240
245	12.0	293.7	52,300	157,400*	28.5	350.3	31,300	142,100*	38.4	377.7	8,800	126,000*	46.3	393.9		109,800*	245
250					25.5	340.1	28,300	137,600*	36.2	371.0	6,500	121,900*	44.5	388.8		106,100*	250
260					18.2	314.0	22,400	128,900*	31.4	355.5	2,200	114,200*	40.5	377.5		99,200*	260
270					1.5	250.8	14,800	119,300*	25.8	336.5		107,000*	36.3	364.5		92,700*	270
280									18.7	311.0		100,000*	31.5	349.1		86,600*	280
290									5.0	259.6		92,500*	25.9	330.2		80,800*	290
300													18.8	304.7		75,100*	300
310													5.3	254.0		68,900*	310

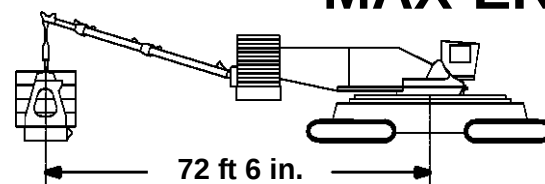
Capacities indicated by (b) require
37,000 lb minimum weight
suspended beneath luffing jib point.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

21000
MAX-ER



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	Luffing Jib Capacity Pounds		
95	74.9	482.2	313,300	388,600*													95
100	73.6	480.7	290,600	388,600*													100
105	72.4	479.1	270,400	388,600*													105
110	71.1	477.3	252,200	388,600*													110
115	69.8	475.5	235,700	388,600*													115
120	68.5	473.5	220,700	379,400*													120
125	67.2	471.4	207,000	369,600*													125
130	65.9	469.1	194,500	358,500*													130
135	64.6	466.8	183,000	343,000*													135
140	63.3	464.2	172,300	328,600*	68.8	470.9	128,000	298,900*									140
145	61.9	461.5	162,500	315,200*	67.5	468.8	119,800	286,500*									145
150	60.5	458.7	153,300	302,600*	66.2	466.6	112,300	274,700*									150
155	59.2	455.7	144,800	290,800*	64.9	464.2	105,200	263,500*									155
160	57.7	452.5	136,800	279,700*	63.5	461.7	98,600	253,000*									160
165	56.3	449.2	129,300	269,000*	62.2	459.1	92,400	243,100*									165
170	54.8	445.7	122,300	258,900*	60.8	456.3	86,600	233,800*									170
175	53.4	441.9	115,700	249,400*	59.4	453.3	81,100	225,100*	65.0	459.7	46,800	200,900*					175
180	51.8	438.0	109,500	240,400*	58.0	450.2	76,000	216,800*	63.7	457.3	42,800	193,300*					180
185	50.3	433.9	103,600	231,900*	56.6	446.9	71,100	209,000*	62.3	454.6	38,900	186,200*					185
190	48.7	429.5	98,000	223,800*	55.1	443.4	66,500	201,500*	61.0	451.8	35,200	179,400*					190
195	47.1	424.8	92,700	216,200*	53.6	439.7	62,100	194,500*	59.6	448.9	31,800	172,900*					195
200	45.4	419.9	87,700	208,900*	52.1	435.8	58,000	187,800*	58.2	445.8	28,500	166,800*					200
205	43.7	414.7	82,900	201,900*	50.6	431.7	54,000	181,400*	56.7	442.5	25,300	161,000*					205
210	41.9	409.1	78,300	195,300*	49.0	427.3	50,300	175,300*	55.3	439.0	22,300	155,400*					210
215	40.0	403.2	73,900	189,000*	47.4	422.7	46,700	169,500*	53.8	435.3	19,500	150,100*	59.6	442.4	130,900*		215
220	38.1	396.8	69,700	182,900*	45.7	417.8	43,200	164,000*	52.3	431.5	16,700	145,000*	58.2	439.3	126,300*		220
225	36.1	390.0	65,700	177,100*	44.0	412.7	39,900	158,600*	50.7	427.4	14,100	140,200*	56.8	436.0	121,900*		225
230	34.0	382.7	61,800	171,500*	42.2	407.2	36,700	153,500*	49.2	423.0	11,600	135,500*	55.3	432.5	117,700*		230
235	31.7	374.7	58,100	166,100*	40.4	401.3	33,700	148,600*	47.6	418.5	9,200	131,100*	53.8	428.9	113,700*		235
240	29.3	365.9	54,500	161,000*	38.5	395.1	30,700	143,900*	45.9	413.6	6,800	126,800*	52.3	425.0	109,800*		240
245	26.7	356.2	50,900	156,000*	36.5	388.3	27,900	139,400*	44.2	408.5	4,600	122,600*	50.8	420.9	106,000*		245
250	23.8	345.2	47,500	151,100*	34.4	381.1	25,100	135,000*	42.4	403.0	2,400	118,700*	49.2	416.6	102,400*		250
260	16.6	316.9	40,600	141,700*	29.8	364.6	19,800	126,700*	38.7	391.0		111,100*	45.9	407.2	95,600*		260
270					24.4	344.4	14,700	118,900*	34.6	377.2		104,100*	42.4	396.6	89,300*		270
280					17.4	317.0	9,600	111,300*	30.0	360.9		97,500*	38.7	384.6	83,400*		280
290					1.3	250.7	2,900	102,900*	24.7	340.9		91,200*	34.6	370.7	77,800*		290
300									17.9	314.1		85,100*	30.1	354.5	72,500*		300
310									4.8	260.3		78,500*	24.7	334.5	67,400*		310
320													17.9	307.8	62,200*		320
330													5.0	254.8	55,300*		330

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

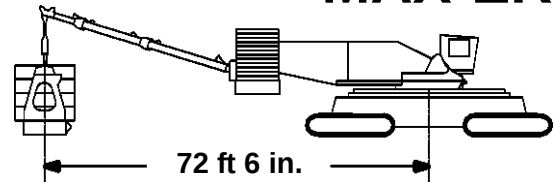
200,000 lb Carbody Counterweight

247,300 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

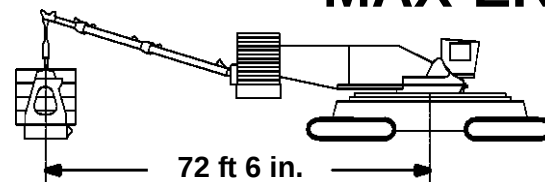
Jib Oper. Rad. Feet	85 Degree Boom Angle					80 Degree Boom Angle					75 Degree Boom Angle					Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds		Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To 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		
100	74.9	501.5	288,700	342,700*												100
105	73.8	500.1	268,100	342,700*												105
110	72.6	498.5	249,600	342,700*												110
115	71.4	496.8	233,000	342,700*												115
120	70.3	495.0	217,800	342,700*												120
125	69.1	493.0	204,000	342,200*												125
130	67.9	491.0	191,300	334,600*												130
135	66.7	488.8	179,700	326,600*												135
140	65.5	486.5	169,000	318,200*												140
145	64.3	484.1	159,000	309,600*	69.3	490.5	115,100	282,100*								145
150	63.0	481.6	149,800	298,900*	68.1	488.4	107,500	270,400*								150
155	61.8	478.9	141,200	287,200*	66.9	486.3	100,400	259,300*								155
160	60.5	476.0	133,200	276,100*	65.7	484.0	93,800	248,800*								160
165	59.2	473.0	125,700	265,600*	64.5	481.6	87,700	239,000*								165
170	57.9	469.9	118,700	255,500*	63.2	479.1	81,900	229,700*								170
175	56.6	466.6	112,000	246,000*	62.0	476.4	76,400	221,000*								175
180	55.3	463.1	105,800	237,000*	60.7	473.6	71,300	212,800*								180
185	53.9	459.5	99,900	228,500*	59.5	470.6	66,400	205,000*	64.6	477.1	33,200	181,600*				185
190	52.5	455.6	94,300	220,500*	58.2	467.5	61,800	197,600*	63.4	474.6	29,600	174,800*				190
195	51.1	451.6	89,000	212,900*	56.8	464.2	57,500	190,600*	62.1	472.0	26,100	168,500*				195
200	49.6	447.3	84,000	205,600*	55.5	460.8	53,300	183,900*	60.9	469.1	22,900	162,400*				200
205	48.2	442.9	79,200	198,700*	54.1	457.2	49,400	177,600*	59.6	466.2	19,800	156,600*				205
210	46.6	438.1	74,700	192,100*	52.8	453.4	45,700	171,500*	58.3	463.1	16,800	151,100*				210
215	45.1	433.1	70,300	185,800*	51.3	449.4	42,100	165,800*	57.0	459.9	14,000	145,800*				215
220	43.5	427.9	66,200	179,800*	49.9	445.1	38,700	160,300*	55.7	456.4	11,300	140,800*				220
225	41.8	422.3	62,200	174,100*	48.4	440.7	35,400	155,000*	54.3	452.8	8,700	136,000*				225
230	40.1	416.4	58,400	168,500*	46.9	436.0	32,300	149,900*	52.9	449.0	6,300	131,400*				230
235	38.4	410.1	54,700	163,200*	45.4	431.1	29,300	145,100*	51.5	445.1	3,900	126,900*				235
240	36.5	403.4	51,200	158,200*	43.8	425.9	26,400	140,400*	50.1	440.9	1,600	122,700*				240
245	34.6	396.2	47,800	153,300*	42.1	420.4	23,600	135,900*	48.6	436.5		118,600*				245
250	32.6	388.5	44,500	148,500*	40.5	414.6	20,900	131,600*	47.1	431.8		114,700*				250
260	28.1	370.9	38,200	139,500*	36.9	401.7	15,800	123,500*	44.0	421.7		107,300*				260
270	22.8	349.2	32,200	131,100*	32.9	387.0	11,000	115,900*	40.6	410.5		100,400*				270
280	15.9	319.6	26,200	123,000*	28.5	369.7	6,400	108,700*	37.1	397.7		93,900*				280
290					23.4	348.4	2,000	101,900*	33.2	383.1		87,900*				290
300					16.7	319.9		95,300*	28.8	366.0		82,100*				300
310					1.2	250.5		87,900*	23.7	345.0		76,600*				310
320									17.1	317.0		71,300*				320
330									4.5	260.9		65,400*				330

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 72 ft 6 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



240 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	
110	73.9	519.4	246,300	303,900*									110
115	72.8	517.9	229,500	303,900*									115
120	71.7	516.2	214,300	303,900*									120
125	70.7	514.5	200,500	303,900*									125
130	69.6	512.6	187,800	303,900*									130
135	68.5	510.6	176,200	303,000*									135
140	67.3	508.5	165,400	296,600*									140
145	66.2	506.3	155,500	289,900*									145
150	65.1	503.9	146,300	282,900*	69.8	510.0	103,200	266,900*					150
155	64.0	501.5	137,700	275,800*	68.7	508.0	96,200	255,800*					155
160	62.8	498.9	129,700	268,500*	67.5	505.9	89,600	245,400*					160
165	61.6	496.2	122,200	261,200*	66.4	503.7	83,400	235,600*					165
170	60.5	493.3	115,100	252,500*	65.3	501.4	77,700	226,400*					170
175	59.3	490.4	108,500	243,100*	64.2	499.0	72,200	217,700*					175
180	58.1	487.2	102,300	234,100*	63.0	496.4	67,100	209,500*					180
185	56.8	484.0	96,400	225,700*	61.9	493.7	62,300	201,700*					185
190	55.6	480.5	90,800	217,600*	60.7	490.9	57,700	194,300*					190
195	54.3	476.9	85,600	210,000*	59.5	488.0	53,400	187,400*	64.3	494.5	21,500	164,800*	195
200	53.1	473.2	80,600	202,800*	58.3	484.9	49,300	180,700*	63.1	492.0	18,300	158,800*	200
205	51.8	469.2	75,800	195,900*	57.1	481.6	45,400	174,400*	62.0	489.3	15,200	153,000*	205
210	50.4	465.1	71,300	189,400*	55.8	478.2	41,700	168,400*	60.8	486.5	12,300	147,600*	210
215	49.1	460.8	67,000	183,100*	54.6	474.6	38,100	162,600*	59.6	483.5	9,500	142,300*	215
220	47.7	456.2	62,900	177,100*	53.3	470.9	34,800	157,200*	58.4	480.5	6,800	137,300*	220
225	46.3	451.4	59,000	171,400*	52.0	467.0	31,500	151,900*	57.2	477.2	4,300	132,600*	225
230	44.8	446.4	55,200	165,900*	50.7	462.9	28,500	146,900*	56.0	473.8	1,900	128,000*	230
235	43.3	441.1	51,600	160,700*	49.3	458.6	25,500	142,100*	54.7	470.3		123,600*	235
240	41.8	435.5	48,100	155,600*	48.0	454.1	22,600	137,500*	53.4	466.6		119,400*	240
245	40.2	429.7	44,800	150,800*	46.5	449.4	19,900	133,000*	52.1	462.7		115,300*	245
250	38.6	423.4	41,600	146,100*	45.1	444.4	17,300	128,800*	50.8	458.6		111,500*	250
260	35.1	409.8	35,500	137,300*	42.1	433.6	12,300	120,700*	48.1	449.9		104,100*	260
270	31.3	394.1	29,700	129,000*	38.9	421.6	7,600	113,200*	45.3	440.2		97,300*	270
280	27.0	375.7	24,300	121,300*	35.5	408.1	3,300	106,200*	42.3	429.5		90,900*	280
290	22.0	353.0	19,100	114,000*	31.7	392.6		99,600*	39.1	417.6		85,000*	290
300	15.3	322.2	13,800	106,900*	27.4	374.5		93,300*	35.7	404.2		79,400*	300
310					22.5	352.4		87,400*	31.9	388.8		74,100*	310
320					16.0	322.6		81,600*	27.7	370.9		69,000*	320
330									22.8	349.0		64,200*	330
340									16.5	319.9		59,400*	340
350									4.4	261.6		53,300*	350

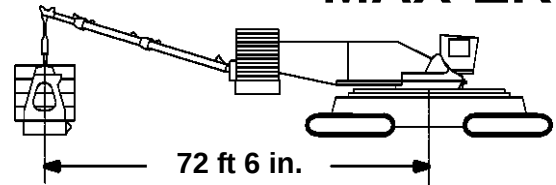
Liftcrane Luffing Jib Capacities

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
247,300 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	
115	74.0	538.8	225,300	269,000*									115
120	73.0	537.3	210,100	269,000*									120
125	72.0	535.6	196,200	269,000*									125
130	71.0	533.9	183,500	269,000*									130
135	70.0	532.1	171,900	269,000*									135
140	68.9	530.1	161,100	269,000*									140
145	67.9	528.1	151,200	268,600*									145
150	66.9	525.9	141,900	263,300*									150
155	65.8	523.7	133,300	257,700*									155
160	64.8	521.3	125,300	251,900*	69.1	527.5	84,300	241,100*					160
165	63.7	518.8	117,800	246,000*	68.1	525.5	78,100	231,300*					165
170	62.6	516.2	110,800	240,100*	67.1	523.4	72,400	222,100*					170
175	61.5	513.5	104,200	234,000*	66.0	521.1	67,000	213,500*					175
180	60.4	510.7	97,900	227,800*	65.0	518.8	61,900	205,300*					180
185	59.3	507.7	92,100	221,700*	63.9	516.3	57,100	197,600*					185
190	58.2	504.6	86,500	214,100*	62.8	513.7	52,600	190,300*					190
195	57.1	501.3	81,300	206,500*	61.7	511.0	48,300	183,300*					195
200	55.9	497.9	76,300	199,300*	60.6	508.2	44,200	176,700*					200
205	54.7	494.4	71,600	192,500*	59.5	505.3	40,300	170,400*	64.0	511.9	9,400	148,500*	205
210	53.6	490.7	67,100	185,900*	58.4	502.2	36,600	164,400*	62.9	509.3	6,500	143,100*	210
215	52.3	486.8	62,800	179,700*	57.3	499.0	33,100	158,700*	61.9	506.6	3,800	137,900*	215
220	51.1	482.8	58,700	173,700*	56.1	495.6	29,800	153,300*	60.8	503.8	1,200	132,900*	220
225	49.9	478.6	54,800	168,000*	55.0	492.1	26,600	148,000*	59.7	500.9		128,200*	225
230	48.6	474.2	51,000	162,600*	53.8	488.4	23,500	143,000*	58.5	497.8		123,700*	230
235	47.3	469.6	47,500	157,300*	52.6	484.6	20,600	138,300*	57.4	494.6		119,300*	235
240	46.0	464.7	44,000	152,300*	51.3	480.6	17,800	133,700*	56.2	491.2		115,100*	240
245	44.6	459.7	40,700	147,500*	50.1	476.4	15,100	129,300*	55.1	487.7		111,100*	245
250	43.2	454.4	37,500	142,900*	48.8	472.0	12,500	125,000*	53.9	484.1		107,300*	250
260	40.3	442.9	31,500	131,900*	46.2	462.7	7,600	117,000*	51.5	476.3		100,000*	260
270	37.2	430.2	25,900	120,900*	43.5	452.4	3,100	109,600*	49.0	467.8		93,300*	270
280	33.9	415.8	20,700	110,700*	40.6	441.0		102,700*	46.4	458.5		87,000*	280
290	30.2	399.5	15,700	101,000*	37.5	428.4		96,200*	43.6	448.2		81,100*	290
300	26.1	380.3	11,000	92,100*	34.2	414.2		90,100*	40.8	436.9		75,600*	300
310	21.2	356.7	6,400	83,900*	30.6	398.1		84,300*	37.7	424.4		70,400*	310
320	14.8	324.7	1,800	76,600*	26.5	379.2		78,800*	34.4	410.3		65,500*	320
330					21.7	356.1		73,600*	30.8	394.3		60,800*	330
340					15.5	325.2		68,400*	26.7	375.6		55,900*	340
350									22.0	352.8		50,600*	350