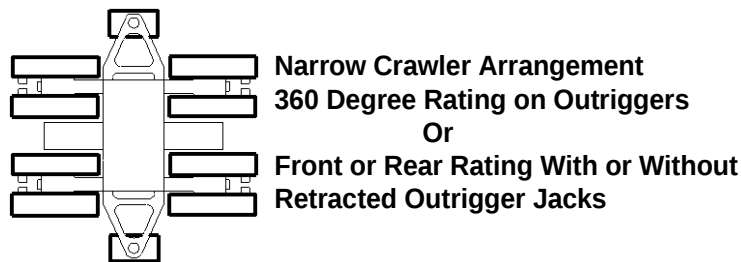
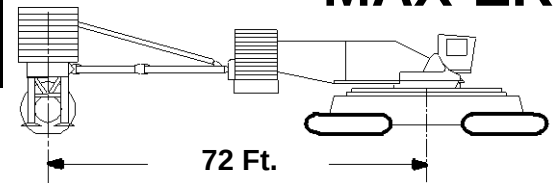


Liftcrane Luffing Jib Capacities

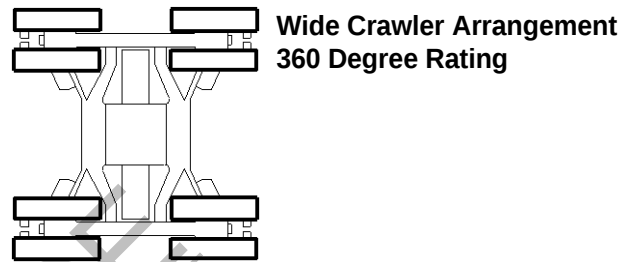
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MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



Narrow Crawler Arrangement
360 Degree Rating on Outriggers
Or
Front or Rear Rating With or Without
Retracted Outrigger Jacks



Wide Crawler Arrangement
360 Degree Rating

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. Capacities indicated by (d) require 70,000 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.

Wheeled counterweight must be attached to shear frame and MAX-ER mode must be selected to operate. Swing and travel (forward or side crawl) requires proper position of counterweight wheels. Refer to operators manual for wheel positioning. Exit MAX-ER mode before operating without wheeled 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 Lbs. or 97,600 Lbs. 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 operators 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 operators 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. 8203-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

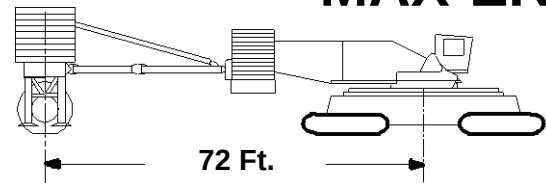
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MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

Narrow or Wide Crawler Arrangement - 360 Degree Rating



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.

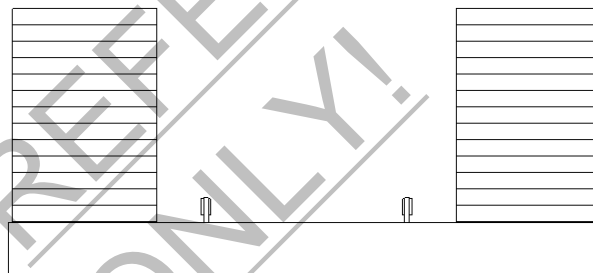
retractable gantry, 20 part boom hoist reeving, boom support straps, 22 part luffing jib hoist reeving, luffing jib and backstay support straps, 494,700 Lb. crane counterweight, two 53,500 Lb. and two 46,500 Lb. carbody counterweights and 1,124,000 Lb. wheeled counterweight.

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

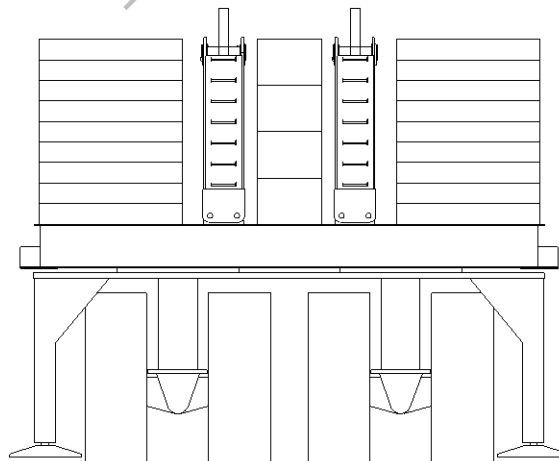
Warning: Narrow crawler arrangement requires set outrigger jacks to swing beyond front or rear operating range.

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

WARNING: Check amount of crane counterweight and wheeled counterweight on machine before use of this chart.



494,700 Lb. Crane Counterweight
26 Side Boxes



1,124,000 Lb. Wheeled Counterweight
18 Side Boxes - 4 Center Boxes

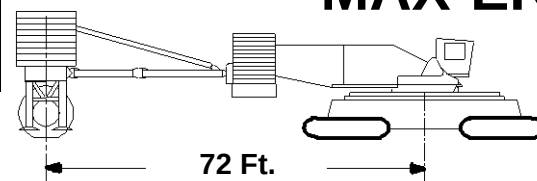
Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

21000
MAX-ER



WITH OR WITHOUT BOOM AND/OR JIB CATWALKS		
Maximum Boom and Luffing Jib Lengths Lifted Unassisted Using Jack-Knife Method With 1,124,000 Lb. Wheeled Counterweight		
Boom Length Feet	Luffing Jib No. 81 Feet	Boom to Luffing Jib Angle Degrees
Over End of Unblocked Crawlers		
180 - 340	120 - 300	90
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.

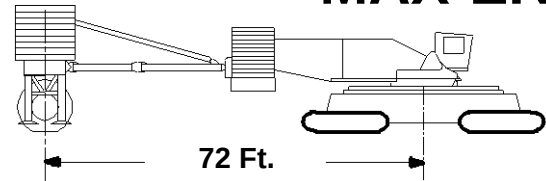
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



180 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	74.1	306.1	1,000,000*d													60
65	71.5	304.4	996,700*d													65
70	69.0	302.4	969,100*d													70
75	66.4	300.2	941,200*b													75
80	63.7	297.7	913,300*b													80
85	61.0	294.9	887,300*b													85
90	58.2	291.8	861,400*b	66.8	298.3	971,900*b										90
95	55.2	288.3	837,300*b	64.1	295.8	947,600*b										95
100	52.2	284.4	812,700*	61.4	293.1	922,000*b										100
105	49.1	280.1	779,000*	58.6	290.0	890,600*b										105
110	45.7	275.2	731,400*	55.7	286.5	848,600*b	64.3	292.4	826,600*b							110
115	42.2	269.7	687,800*	52.7	282.7	810,100*	61.6	289.7	789,200*b							115
120	38.4	263.5	647,000*	49.5	278.4	774,600*	58.8	286.6	754,800*b							120
125	34.2	256.3	609,600*	46.2	273.7	741,900*	55.9	283.2	723,000*b							125
130	29.4	247.7	576,000*	42.7	268.3	711,600*	52.9	279.4	693,500*							130
135	23.8	237.0	546,300*	38.9	262.2	683,400*	49.8	275.2	666,200*	58.9	281.7	648,800*b				135
140	16.2	221.9	484,300*	34.8	255.1	657,100*	46.5	270.5	640,700*	56.0	278.3	624,100*b				140
145				30.2	246.7	632,400*	43.0	265.2	616,900*	53.0	274.5	601,000*				145
150				24.7	236.4	609,100*	39.3	259.1	594,600*	49.9	270.3	579,400*				150
155				17.5	222.3	531,100*	35.2	252.1	573,600*	46.6	265.6	559,100*				155
160							30.6	243.9	553,700*	43.1	260.3	539,900*	52.7	267.9	525,900*	160
165							25.2	233.8	534,800*	39.4	254.3	521,900*	49.6	263.7	508,500*	165
170							18.3	220.2	516,700*	35.3	247.3	504,800*	46.3	258.9	491,900*	170
175							3.6	189.8	447,300*	30.7	239.1	488,500*	42.8	253.6	476,300*	175
180										25.3	229.0	473,000*	39.0	247.5	461,500*	180
185										18.4	215.5	458,000*	34.9	240.4	447,300*	185
190										4.5	186.8	442,400*	30.3	232.1	433,800*	190
195													24.8	221.8	420,800*	195
200													17.8	207.9	408,100*	200

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

Capacities indicated by (d) require
70,000 Lb. minimum weight suspended
beneath luffing jib point.

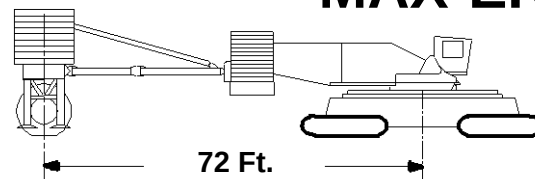
Do not luff into area indicated by (c)
with 37,000 Lb. minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

21000
MAX-ER



at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

180 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65			c													65
70			c													70
75	69.9	322.0	889,700*b													75
80	67.7	319.9	866,500*b													80
85	65.5	317.6	843,500*b													85
90	63.2	315.0	820,700*b													90
95	60.8	312.2	798,500*b	68.0	317.9	896,200*b										95
100	58.4	309.1	777,700*	65.8	315.7	876,600*b										100
105	56.0	305.7	751,100*	63.5	313.1	855,900*b										105
110	53.4	302.0	710,000*	61.2	310.4	834,700*b										110
115	50.8	297.9	670,500*	58.8	307.3	807,000*										115
120	48.0	293.4	632,600*	56.3	304.0	771,700*	63.7	309.7	750,800*b							120
125	45.1	288.5	597,400*	53.8	300.3	739,200*	61.4	307.0	719,200*b							125
130	42.1	282.9	564,200*	51.1	296.3	709,100*	59.0	304.0	689,900*							130
135	38.8	276.8	533,100*	48.4	291.8	681,100*	56.5	300.6	662,700*							135
140	35.3	269.8	504,500*	45.5	286.9	655,000*	54.0	297.0	637,400*							140
145	31.5	261.8	478,300*	42.5	281.5	630,700*	51.4	293.0	613,800*	59.0	299.1	597,000*				145
150	27.1	252.4	454,700*	39.3	275.4	607,900*	48.7	288.6	591,700*	56.6	295.7	575,500*				150
155	21.9	240.7	434,400*	35.8	268.6	586,500*	45.8	283.8	571,000*	54.0	292.1	555,400*				155
160	14.9	224.4	418,100*	32.0	260.8	566,300*	42.8	278.4	551,500*	51.4	288.1	536,500*				160
165				27.8	251.6	547,200*	39.6	272.4	533,100*	48.7	283.7	518,600*				165
170				22.7	240.3	524,800*	36.2	265.6	515,700*	45.9	278.9	501,800*	53.8	285.5	488,000*	170
175				16.1	225.0	469,200*	32.4	257.9	499,200*	42.9	273.5	485,900*	51.2	281.5	472,500*	175
180							28.2	248.9	483,500*	39.7	267.5	470,800*	48.5	277.1	457,900*	180
185							23.2	237.8	468,400*	36.2	260.8	456,400*	45.6	272.2	444,000*	185
190							16.8	223.0	453,900*	32.5	253.1	442,700*	42.6	266.8	430,800*	190
195							3.1	190.0	400,100*	28.3	244.1	429,600*	39.4	260.7	418,200*	195
200										23.3	233.1	417,000*	35.9	253.9	406,200*	200
205										16.9	218.3	404,700*	32.2	246.1	394,700*	205
210										4.0	187.1	391,900*	27.9	237.0	383,600*	210
215													22.9	225.8	372,900*	215
220													16.3	210.6	362,400*	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).

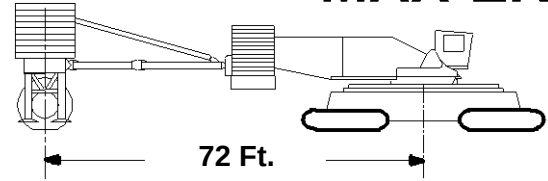
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



Narrow or Wide Crawler Arrangement - 360 Degree Rating

180 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70																70
75	72.6	343.2	835,800* ^b													75
80	70.7	341.5	817,000* ^b													80
85	68.7	339.5	797,900* ^b													85
90	66.8	337.3	778,600* ^b													90
95	64.8	335.0	759,300* ^b													95
100	62.8	332.4	741,200*	69.0	337.5	826,100* ^b										100
105	60.7	329.5	715,000*	67.1	335.4	810,400* ^b										105
110	58.6	326.5	681,200*	65.1	333.0	793,800* ^b										110
115	56.5	323.1	647,900*	63.1	330.5	776,700*										115
120	54.3	319.5	615,400*	61.0	327.7	759,100*										120
125	52.0	315.6	584,000*	58.9	324.6	736,800*										125
130	49.6	311.4	554,000*	56.8	321.4	706,900*	63.3	327.1	687,000*							130
135	47.2	306.7	525,300*	54.6	317.8	679,000*	61.2	324.3	659,900*							135
140	44.7	301.7	497,900*	52.3	313.9	653,100*	59.1	321.3	634,800*							140
145	42.0	296.2	472,500*	50.0	309.7	628,900*	57.0	318.0	611,300*							145
150	39.2	290.1	448,700*	47.6	305.2	606,300*	54.8	314.5	589,300*							150
155	36.2	283.3	426,800*	45.0	300.2	585,000*	52.5	310.7	568,700*	59.2	316.4	552,400*				155
160	32.9	275.7	405,800*	42.4	294.7	565,100*	50.2	306.5	549,300*	57.0	313.1	533,600*				160
165	29.3	267.0	386,900*	39.6	288.7	546,300*	47.8	302.0	531,100*	54.8	309.6	515,900*				165
170	25.2	256.8	369,600*	36.6	282.1	528,500*	45.3	297.0	513,900*	52.6	305.8	499,200*				170
175	20.4	244.2	355,000*	33.4	274.6	508,100*	42.6	291.6	497,600*	50.2	301.6	483,400*				175
180	13.8	226.7	342,900*	29.9	266.1	487,200*	39.8	285.7	482,200*	47.8	297.1	468,500*	54.6	303.0	455,000*	180
185				25.9	256.1	467,600*	36.9	279.1	467,500*	45.3	292.1	454,300*	52.4	299.2	441,200*	185
190				21.1	243.9	445,500*	33.7	271.7	453,600*	42.7	286.7	440,800*	50.0	295.0	428,200*	190
195				15.0	227.4	406,300*	30.2	263.3	440,300*	39.9	280.8	428,000*	47.6	290.4	415,700*	195
200							26.2	253.5	427,500*	36.9	274.2	415,800*	45.1	285.4	403,900*	200
205							21.6	241.5	415,300*	33.7	266.8	404,100*	42.5	280.0	392,600*	205
210							15.6	225.6	403,300*	30.2	258.4	392,900*	39.7	274.0	381,800*	210
215							2.8	190.1	357,300*	26.3	248.7	382,100*	36.7	267.4	371,500*	215
220										21.7	236.8	371,600*	33.5	259.9	361,500*	220
225										15.8	221.0	361,400*	29.9	251.4	352,000*	225
230										3.6	187.5	350,600*	26.0	241.5	342,700*	230
235													21.3	229.4	333,800*	235
240													15.2	213.1	324,900*	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).

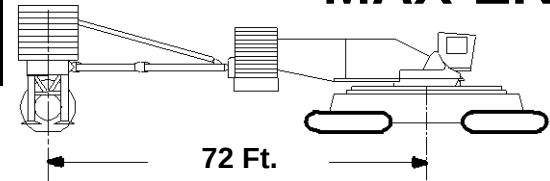
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



180 Ft. Boom, 180 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
75	74.6	364.2	749,200* b													75
80	72.9	362.7	749,200* b													80
85	71.2	360.9	749,200* b													85
90	69.5	359.0	735,400* b													90
95	67.8	357.0	719,600*													95
100	66.0	354.7	696,300*													100
105	64.3	352.3	670,700*	69.7	357.0	744,700* b										105
110	62.5	349.7	644,300*	68.0	355.0	740,900*										110
115	60.6	346.9	617,700*	66.3	352.8	734,900*										115
120	58.8	343.8	591,000*	64.5	350.4	721,300*										120
125	56.9	340.5	564,600*	62.7	347.8	707,300*										125
130	54.9	337.0	538,800*	60.9	345.0	692,600*										130
135	52.9	333.2	513,600*	59.0	342.0	675,400*	64.7	347.0	655,600*							135
140	50.9	329.2	489,400*	57.2	338.7	649,500*	62.9	344.4	630,500*							140
145	48.8	324.8	466,100*	55.2	335.3	625,400*	61.1	341.6	607,100*							145
150	46.6	320.0	443,900*	53.2	331.5	602,900*	59.2	338.6	585,200*							150
155	44.3	314.9	422,400*	51.2	327.5	581,800*	57.3	335.4	564,700*							155
160	41.9	309.4	402,600*	49.1	323.1	561,900*	55.4	331.9	545,400*							160
165	39.4	303.4	383,800*	46.9	318.5	543,200*	53.4	328.2	527,300*	59.3	333.7	511,500*				165
170	36.8	296.7	366,600*	44.6	313.4	525,600*	51.4	324.2	510,200*	57.4	330.5	494,900*				170
175	34.0	289.4	349,700*	42.3	307.9	508,900*	49.3	319.9	494,000*	55.4	327.0	479,200*				175
180	30.9	281.2	334,400*	39.8	302.0	489,200*	47.1	315.3	478,700*	53.4	323.3	464,400*				180
185	27.5	271.9	320,200*	37.2	295.4	469,600*	44.8	310.3	464,200*	51.4	319.3	450,300*				185
190	23.7	260.9	307,700*	34.4	288.2	451,300*	42.5	304.8	450,400*	49.3	315.0	437,000*				190
195	19.1	247.5	296,600*	31.4	280.2	434,100*	40.0	298.9	437,300*	47.1	310.4	424,300*	53.3	316.7	411,400*	195
200	13.0	228.8	287,700*	28.0	271.0	415,400*	37.4	292.4	424,800*	44.9	305.4	412,200*	51.2	312.7	399,700*	200
205				24.3	260.3	395,900*	34.6	285.3	412,900*	42.5	299.9	400,600*	49.1	308.4	388,500*	205
210				19.9	247.3	377,900*	31.7	277.3	401,500*	40.1	294.0	389,600*	47.0	303.7	377,800*	210
215				14.0	229.8	350,000*	28.4	268.3	390,500*	37.5	287.6	379,100*	44.7	298.7	367,600*	215
220							24.7	257.8	380,000*	34.7	280.4	368,900*	42.3	293.2	357,800*	220
225							20.3	245.0	369,700*	31.7	272.5	359,200*	39.9	287.3	348,500*	225
230							14.7	228.1	359,700*	28.4	263.5	349,900*	37.2	280.8	339,500*	230
235							2.5	190.2	312,000*	24.7	253.0	340,800*	34.5	273.6	330,800*	235
240										20.4	240.3	332,100*	31.4	265.5	322,500*	240
245										14.8	223.4	323,400*	28.1	256.4	314,400*	245
250										3.3	187.8	314,200*	24.4	245.8	306,600*	250
260													14.2	215.4	291,400*	260

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

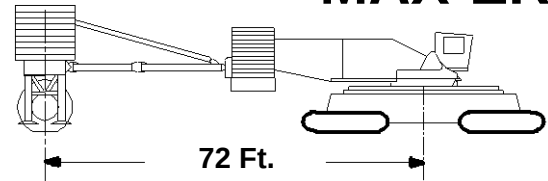
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



Narrow or Wide Crawler Arrangement - 360 Degree Rating

180 Ft. Boom, 200 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
80	74.7	383.6	646,100*													80
85	73.2	382.1	646,100*													85
90	71.6	380.4	646,100*													90
95	70.1	378.5	646,100*													95
100	68.6	376.6	639,100*													100
105	67.0	374.4	620,500*													105
110	65.4	372.1	600,900*													110
115	63.8	369.7	580,500*	68.8	374.6	665,400*										115
120	62.2	367.0	559,600*	67.2	372.5	658,000*										120
125	60.6	364.2	538,300*	65.7	370.2	649,900*										125
130	58.9	361.1	517,300*	64.1	367.7	641,200*										130
135	57.2	357.9	496,200*	62.5	365.1	632,100*										135
140	55.5	354.5	475,400*	60.8	362.3	622,600*										140
145	53.7	350.8	455,100*	59.1	359.3	612,800*	64.2	364.3	603,800*							145
150	51.9	346.8	435,400*	57.4	356.1	600,100*	62.6	361.7	582,000*							150
155	50.0	342.6	416,400*	55.7	352.7	579,100*	61.0	358.9	561,500*							155
160	48.1	338.1	398,000*	53.9	349.0	559,300*	59.3	356.0	542,300*							160
165	46.1	333.3	380,200*	52.1	345.1	540,700*	57.6	352.8	524,300*							165
170	44.0	328.2	363,600*	50.3	341.0	523,100*	55.9	349.4	507,200*							170
175	41.9	322.6	347,900*	48.3	336.5	506,600*	54.1	345.7	491,100*	59.3	351.0	475,900*				175
180	39.6	316.6	332,800*	46.4	331.8	489,500*	52.3	341.9	475,900*	57.6	347.9	461,200*				180
185	37.3	310.1	318,500*	44.3	326.7	469,800*	50.4	337.7	461,500*	55.9	344.5	447,200*				185
190	34.8	303.0	305,100*	42.2	321.2	451,500*	48.5	333.3	447,800*	54.1	340.8	433,900*				190
195	32.1	295.1	292,500*	40.0	315.2	434,300*	46.5	328.6	434,800*	52.3	337.0	421,200*				195
200	29.2	286.4	281,200*	37.6	308.8	418,200*	44.5	323.5	422,400*	50.5	332.8	409,200*				200
205	26.0	276.4	270,500*	35.2	301.8	403,000*	42.4	318.0	410,600*	48.5	328.4	397,800*	54.0	334.3	385,200*	205
210	22.4	264.8	260,800*	32.5	294.0	385,000*	40.2	312.2	399,300*	46.6	323.7	386,800*	52.2	330.4	374,600*	210
215	18.1	250.5	252,300*	29.7	285.4	367,800*	37.8	305.8	388,500*	44.5	318.6	376,400*	50.3	326.2	364,500*	215
220	12.3	230.8	245,600*	26.5	275.7	351,600*	35.4	298.8	378,100*	42.4	313.2	366,400*	48.4	321.8	354,800*	220
225				23.0	264.3	336,400*	32.8	291.1	368,200*	40.2	307.3	356,800*	46.4	317.0	345,500*	225
230				18.8	250.5	322,300*	29.9	282.6	358,700*	37.9	300.9	347,600*	44.4	311.9	336,600*	230
235				13.3	232.0	304,300*	26.8	273.0	349,500*	35.4	294.0	338,800*	42.2	306.4	328,100*	235
240							23.3	261.8	340,600*	32.8	286.3	330,300*	40.0	300.5	319,900*	240
245							19.2	248.3	332,000*	30.0	277.8	322,100*	37.7	294.1	312,000*	245
250							13.9	230.4	320,200*	26.9	268.2	314,200*	35.2	287.1	304,400*	250
260										19.3	243.6	299,000*	29.7	270.8	289,900*	260
270										3.1	188.1	283,600*	23.1	249.8	276,300*	270
280													13.4	217.7	263,200*	280

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

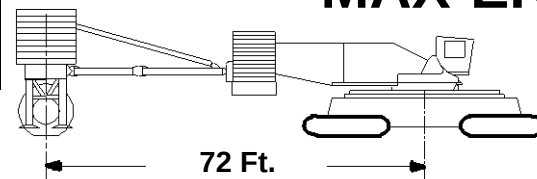
Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

**21000
MAX-ER**

**at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**



180 Ft. Boom, 220 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
85	74.7	403.0	558,500*													85
90	73.4	401.4	558,500*													90
95	72.0	399.8	558,500*													95
100	70.6	398.0	558,500*													100
105	69.2	396.1	558,500*													105
110	67.8	394.1	553,000*													110
115	66.4	391.9	538,100*													115
120	65.0	389.5	522,300*	69.4	394.1	574,800*										120
125	63.5	387.0	506,000*	68.0	392.1	574,800*										125
130	62.0	384.3	489,400*	66.6	389.9	573,000*										130
135	60.5	381.5	472,500*	65.2	387.6	565,800*										135
140	59.0	378.5	455,300*	63.7	385.1	558,100*										140
145	57.5	375.3	438,600*	62.2	382.4	548,800*										145
150	55.9	371.9	421,900*	60.7	379.6	538,200*										150
155	54.3	368.3	405,400*	59.2	376.6	527,500*	63.8	381.7	544,200*							155
160	52.6	364.4	389,300*	57.7	373.5	516,600*	62.4	379.1	538,000*							160
165	51.0	360.4	373,700*	56.1	370.1	505,200*	60.9	376.3	520,000*							165
170	49.2	356.1	358,600*	54.5	366.5	493,500*	59.4	373.3	503,000*							170
175	47.5	351.5	343,800*	52.9	362.7	481,600*	57.8	370.1	487,000*							175
180	45.7	346.6	329,800*	51.2	358.7	469,600*	56.3	366.8	471,800*							180
185	43.8	341.4	316,300*	49.5	354.4	457,500*	54.7	363.2	457,500*	59.4	368.4	442,700*				185
190	41.8	335.8	303,700*	47.7	349.9	445,300*	53.0	359.5	443,900*	57.8	365.2	429,400*				190
195	39.8	329.9	291,500*	45.9	345.1	432,400*	51.4	355.4	430,900*	56.3	361.9	416,900*				195
200	37.7	323.4	280,000*	44.1	339.9	416,200*	49.7	351.2	418,600*	54.7	358.3	404,900*				200
205	35.5	316.5	269,100*	42.1	334.4	401,000*	47.9	346.7	406,800*	53.1	354.5	393,500*				205
210	33.1	308.9	258,800*	40.1	328.5	386,700*	46.1	341.9	395,600*	51.4	350.5	382,700*				210
215	30.6	300.6	249,100*	38.0	322.1	373,200*	44.2	336.8	384,900*	49.7	346.3	372,300*	54.6	351.7	360,000*	215
220	27.8	291.3	240,100*	35.8	315.2	357,300*	42.3	331.3	374,700*	47.9	341.8	362,400*	52.9	348.0	350,400*	220
225	24.8	280.8	231,800*	33.4	307.8	342,800*	40.3	325.4	364,800*	46.1	337.0	352,900*	51.3	343.9	341,200*	225
230	21.3	268.5	224,300*	30.9	299.5	328,300*	38.2	319.1	355,400*	44.3	331.9	343,800*	49.5	339.7	332,300*	230
235	17.2	253.5	217,700*	28.2	290.4	314,900*	36.0	312.3	346,400*	42.3	326.4	335,000*	47.8	335.1	323,900*	235
240	11.6	232.7	212,600*	25.2	280.1	302,100*	33.7	304.8	337,700*	40.3	320.5	326,700*	46.0	330.3	315,800*	240
245				21.9	268.1	290,000*	31.2	296.7	329,300*	38.2	314.2	318,600*	44.1	325.2	307,900*	245
250				17.8	253.6	278,900*	28.5	287.7	321,200*	36.0	307.4	310,800*	42.2	319.7	300,400*	250
260							22.2	265.7	302,600*	31.2	291.9	296,000*	38.0	307.4	286,200*	260
270							13.2	232.6	279,400*	25.6	272.7	282,200*	33.5	293.1	272,900*	270
280										18.3	246.7	269,100*	28.3	275.8	260,500*	280
290										2.9	188.3	255,700*	21.9	253.6	248,700*	290
300													12.8	219.8	237,200*	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

494,700 Lb. Crane Counterweight

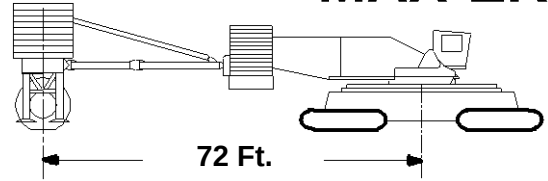
200,000 Lb. Carbody Counterweight

1,124,000 Lb. Wheeled Counterweight

at 72 Ft. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



180 Ft. Boom, 240 Ft. Jib

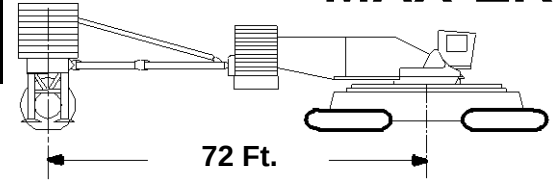
Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
90	74.8	422.3	486,100*													90
95	73.6	420.8	486,100*													95
100	72.3	419.2	486,100*													100
105	71.0	417.5	486,100*													105
110	69.8	415.6	486,100*													110
115	68.5	413.6	486,100*													115
120	67.2	411.5	483,400*													120
125	65.9	409.3	471,500*	69.9	413.6	497,400*										125
130	64.5	406.9	459,000*	68.7	411.7	497,400*										130
135	63.2	404.3	446,000*	67.4	409.6	497,400*										135
140	61.9	401.7	432,700*	66.1	407.3	497,400*										140
145	60.5	398.8	419,300*	64.7	405.0	489,700*										145
150	59.1	395.8	405,700*	63.4	402.4	481,000*										150
155	57.7	392.6	392,200*	62.1	399.8	471,600*										155
160	56.2	389.3	378,700*	60.7	396.9	461,600*	64.9	401.5	475,400*							160
165	54.8	385.7	365,300*	59.3	394.0	450,900*	63.5	399.0	470,300*							165
170	53.3	382.0	352,100*	57.9	390.8	440,000*	62.2	396.4	464,100*							170
175	51.8	378.1	339,300*	56.4	387.5	429,000*	60.8	393.6	456,900*							175
180	50.2	373.9	326,700*	55.0	384.0	417,900*	59.4	390.6	448,500*							180
185	48.6	369.5	314,500*	53.5	380.3	406,700*	58.0	387.5	439,400*							185
190	47.0	364.8	302,800*	52.0	376.4	395,600*	56.6	384.2	429,800*	59.4	385.7	413,100*				190
195	45.3	359.9	291,400*	50.4	372.2	384,500*	55.1	380.7	419,800*	58.0	382.6	401,200*				195
200	43.6	354.6	280,500*	48.9	367.9	373,700*	53.6	377.0	409,500*	56.6	379.3	389,800*				200
205	41.8	349.1	270,000*	47.2	363.2	363,100*	52.1	373.1	398,700*	55.1	375.8	379,000*				205
210	39.9	343.1	260,100*	45.6	358.3	352,600*	50.6	369.0	388,100*							210
215	38.0	336.8	250,500*	43.8	353.1	342,500*	49.0	364.6	377,700*	53.7	372.1	368,700*				215
220	36.0	329.9	241,500*	42.1	347.6	332,600*	47.4	360.0	367,200*	52.2	368.2	358,800*				220
225	33.9	322.6	232,900*	40.2	341.7	323,000*	45.7	355.2	356,800*	50.6	364.1	349,300*	55.0	369.2	337,300*	225
230	31.6	314.5	224,800*	38.3	335.4	313,700*	44.0	350.0	346,700*	49.0	359.7	340,300*	53.5	365.5	328,500*	230
235	29.2	305.7	217,200*	36.3	328.7	304,700*	42.2	344.5	337,200*	47.4	355.1	331,600*	52.0	361.6	320,100*	235
240	26.6	296.0	210,200*	34.2	321.4	296,100*	40.4	338.6	327,600*	45.7	350.3	323,200*	50.5	357.5	312,000*	240
245	23.7	284.9	203,700*	31.9	313.5	287,800*	38.5	332.4	318,200*	44.0	345.1	315,200*	48.9	353.1	304,300*	245
250	20.4	272.0	197,800*	29.5	304.8	279,800*	36.5	325.7	309,200*	42.3	339.6	307,500*	47.3	348.5	296,800*	250
260	11.1	234.6	188,900*	24.1	284.3	264,900*	32.1	310.6	292,000*	38.5	327.5	292,900*	43.9	338.4	282,700*	260
270				17.0	256.5	242,000*	27.2	292.4	276,200*	34.4	313.6	279,300*	40.3	327.0	269,600*	270
280							21.2	269.3	261,900*	29.8	297.2	266,600*	36.3	314.0	257,300*	280
290							12.6	234.7	235,800*	24.4	276.9	254,600*	32.0	298.8	245,800*	290
300										17.5	249.7	243,200*	27.0	280.6	235,000*	300
310										2.7	188.6	215,900*	21.0	257.2	224,700*	310
320													12.2	221.8	214,600*	320

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**



180 Ft. Boom, 260 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
95	74.9	441.7	423,300*													95
100	73.7	440.2	423,300*													100
105	72.6	438.6	423,300*													105
110	71.4	436.9	423,300*													110
115	70.2	435.1	423,300*													115
120	69.0	433.2	423,300*													120
125	67.8	431.1	423,300*													125
130	66.6	429.0	423,300*													130
135	65.4	426.7	413,900*	69.2	431.2	433,000*										135
140	64.2	424.2	403,800*	68.0	429.2	433,000*										140
145	63.0	421.7	393,400*	66.8	427.0	433,000*										145
150	61.7	419.0	382,700*	65.6	424.7	426,800*										150
155	60.4	416.1	371,800*	64.4	422.3	417,800*										155
160	59.2	413.1	360,900*	63.1	419.8	408,300*										160
165	57.9	410.0	349,900*	61.9	417.1	398,400*										165
170	56.5	406.7	339,000*	60.6	414.3	388,100*	64.5	418.9	407,300*							170
175	55.2	403.2	328,100*	59.3	411.3	377,700*	63.3	416.4	400,500*							175
180	53.8	399.5	317,600*	58.0	408.2	366,900*	62.0	413.7	392,900*							180
185	52.4	395.7	306,800*	56.7	404.9	356,300*	60.7	410.9	384,700*							185
190	51.0	391.6	296,600*	55.4	401.4	345,800*	59.5	407.9	375,900*							190
195	49.6	387.4	286,200*	54.0	397.8	335,100*	58.2	404.8	366,500*							195
200	48.1	382.9	276,300*	52.6	394.0	325,000*	56.8	401.5	356,800*							200
205	46.6	378.1	266,700*	51.2	389.9	314,900*	55.5	398.1	347,100*	59.5	403.0	363,400*				205
210	45.0	373.2	257,400*	49.8	385.7	305,000*	54.2	394.5	337,300*	58.2	399.9	357,000*				210
215	43.4	367.9	248,400*	48.3	381.2	295,300*	52.8	390.7	327,400*	56.9	396.6	349,500*				215
220	41.8	362.3	239,800*	46.8	376.6	285,900*	51.4	386.7	317,700*	55.5	393.2	341,600*				220
225	40.1	356.4	231,600*	45.2	371.6	276,800*	49.9	382.5	308,000*	54.2	389.6	333,300*				225
230	38.3	350.1	223,700*	43.6	366.4	267,900*	48.4	378.0	298,500*	52.8	385.8	324,700*				230
235	36.4	343.4	216,100*	42.0	360.8	259,300*	46.9	373.4	289,200*	51.4	381.8	315,900*				235
240	34.5	336.1	208,900*	40.3	355.0	251,000*	45.4	368.4	280,100*	49.9	377.6	307,000*	54.1	383.0	307,600*	240
245	32.5	328.4	202,100*	38.5	348.7	242,900*	43.8	363.2	271,200*	48.5	373.1	298,100*	52.7	379.2	299,900*	245
250	30.3	319.9	195,600*	36.7	342.1	235,100*	42.2	357.7	262,600*	47.0	368.5	289,300*	51.3	375.2	292,400*	250
260	25.5	300.4	183,900*	32.8	327.2	220,400*	38.7	345.7	246,100*	43.8	358.3	271,900*	48.3	366.5	278,400*	260
270	19.5	275.4	174,000*	28.3	309.8	206,800*	35.0	332.0	230,700*	40.5	347.0	255,300*	45.3	356.9	265,400*	270
280	10.6	236.3	167,000*	23.1	288.3	194,500*	30.8	316.1	216,400*	36.9	334.2	239,700*	42.0	346.1	253,300*	280
290				16.3	259.3	183,700*	26.1	297.0	203,300*	33.0	319.5	224,900*	38.6	334.0	241,900*	290
300							20.3	272.9	191,500*	28.6	302.2	211,200*	34.8	320.3	231,300*	300
310							12.0	236.7	181,700*	23.4	281.0	198,700*	30.7	304.3	217,500*	310
320										16.8	252.6	187,800*	25.9	285.1	205,000*	320
330										2.5	188.9	180,400*	20.1	260.7	193,500*	330
340													11.7	223.8	184,000*	340

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 Ft. Mast No. 81

494,700 Lb. Crane Counterweight

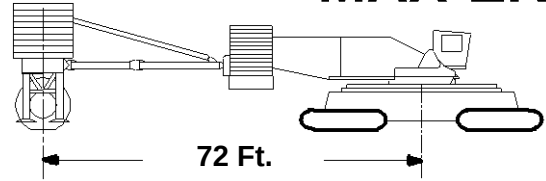
200,000 Lb. Carbody Counterweight

1,124,000 Lb. Wheeled Counterweight

at 72 Ft. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



180 Ft. Boom, 280 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
100	74.9	461.1	369,900*													100
105	73.8	459.6	369,900*													105
110	72.8	458.0	369,900*													110
115	71.7	456.4	369,900*													115
120	70.6	454.6	369,900*													120
125	69.5	452.7	369,900*													125
130	68.4	450.7	369,900*													130
135	67.3	448.6	369,900*													135
140	66.2	446.4	368,700*	69.7	450.7	375,400*										140
145	65.0	444.1	358,900*	68.6	448.7	375,400*										145
150	63.9	441.6	348,700*	67.5	446.7	375,400*										150
155	62.8	439.0	338,400*	66.3	444.4	371,300*										155
160	61.6	436.3	328,200*	65.2	442.1	362,400*										160
165	60.4	433.4	317,900*	64.1	439.7	353,000*										165
170	59.2	430.5	307,800*	62.9	437.1	343,300*										170
175	58.0	427.3	297,800*	61.8	434.4	333,400*										175
180	56.8	424.0	288,000*	60.6	431.6	323,500*	64.2	436.3	345,600*							180
185	55.5	420.6	278,500*	59.4	428.6	313,500*	63.0	433.7	338,000*							185
190	54.3	417.0	269,000*	58.2	425.5	303,700*	61.9	431.0	329,800*							190
195	53.0	413.2	259,800*	57.0	422.2	293,900*	60.7	428.2	321,200*							195
200	51.7	409.3	250,800*	55.7	418.8	284,200*	59.5	425.3	312,400*							200
205	50.4	405.1	242,100*	54.5	415.3	274,500*	58.3	422.2	303,500*							205
210	49.0	400.8	233,700*	53.2	411.5	265,200*	57.1	418.9	294,400*							210
215	47.6	396.2	225,500*	51.9	407.6	256,000*	55.8	415.5	285,100*	59.5	420.3	303,500*				215
220	46.2	391.4	217,400*	50.6	403.5	247,200*	54.6	412.0	275,900*	58.3	417.2	296,400*				220
225	44.8	386.4	209,800*	49.2	399.2	238,600*	53.3	408.2	266,800*	57.1	414.0	288,900*				225
230	43.3	381.1	202,300*	47.8	394.6	230,400*	52.0	404.3	257,900*	55.9	410.6	281,100*				230
235	41.7	375.5	195,000*	46.4	389.9	222,000*	50.7	400.2	249,200*	54.6	407.0	272,900*				235
240	40.2	369.6	188,000*	45.0	384.9	214,000*	49.3	395.9	240,700*	53.3	403.3	264,700*				240
245	38.5	363.4	181,300*	43.5	379.6	206,400*	48.0	391.4	232,400*	52.0	399.4	256,500*				245
250	36.8	356.7	174,700*	42.0	374.1	199,000*	46.6	386.7	224,200*	50.7	395.3	248,300*	54.5	400.5	264,300*	250
260	33.2	342.1	162,300*	38.8	362.0	184,900*	43.6	376.5	208,700*	48.0	386.5	232,200*	51.9	392.8	250,800*	260
270	29.2	325.1	150,800*	35.3	348.4	171,700*	40.5	365.1	194,100*	45.1	376.8	216,700*	49.2	384.4	236,500*	270
280	24.5	304.7	140,200*	31.5	332.9	159,500*	37.2	352.4	180,400*	42.1	366.1	201,900*	46.5	375.1	222,000*	280
290	18.8	278.6	130,800*	27.3	314.6	148,200*	33.6	338.0	167,600*	38.9	354.1	188,000*	43.5	364.9	207,700*	290
300	10.2	238.0	123,200*	22.2	292.2	137,900*	29.7	321.3	155,700*	35.5	340.6	174,800*	40.4	353.5	193,900*	300
310				15.7	262.0	129,000*	25.1	301.4	144,800*	31.7	325.2	162,500*	37.1	340.7	180,700*	310
320							19.5	276.2	135,000*	27.5	307.1	151,200*	33.5	326.3	168,300*	320
330							11.6	238.6	126,900*	22.5	285.0	140,800*	29.5	309.5	156,700*	330
340										16.1	255.3	131,700*	24.9	289.5	146,000*	340
350										2.4	189.1	125,600*	19.3	264.0	136,400*	350
360													11.2	225.6	128,400*	360

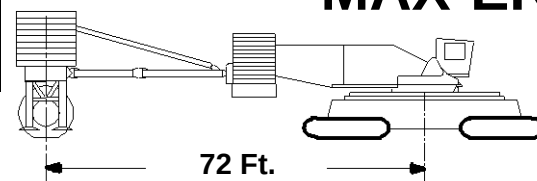
Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

**21000
MAX-ER**

**at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**



180 Ft. Boom, 300 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
105	74.9	480.4	330,000*													105
110	73.9	479.0	330,000*													110
115	73.0	477.4	330,000*													115
120	71.9	475.8	330,000*													120
125	70.9	474.1	330,000*													125
130	69.9	472.2	330,000*													130
135	68.9	470.3	321,700*													135
140	67.9	468.2	318,900*													140
145	66.8	466.1	309,200*													145
150	65.8	463.8	299,400*	69.0	468.3	326,000*										150
155	64.7	461.4	289,600*	68.0	466.2	319,500*										155
160	63.6	458.9	279,800*	67.0	464.1	310,800*										160
165	62.6	456.3	270,200*	65.9	461.9	301,700*										165
170	61.5	453.6	260,600*	64.9	459.5	292,400*										170
175	60.4	450.8	251,300*	63.8	457.0	283,000*										175
180	59.3	447.8	242,200*	62.7	454.4	273,700*										180
185	58.1	444.7	233,300*	61.6	451.7	264,400*	65.0	456.1	287,000*							185
190	57.0	441.4	224,600*	60.5	448.9	255,200*	63.9	453.6	279,400*							190
195	55.9	438.0	216,100*	59.4	445.9	246,100*	62.8	451.1	271,300*							195
200	54.7	434.5	207,900*	58.3	442.8	237,300*	61.7	448.4	262,900*							200
205	53.5	430.8	199,900*	57.2	439.6	228,600*	60.6	445.5	254,500*							205
210	52.3	426.9	192,100*	56.0	436.2	219,900*	59.5	442.6	245,800*							210
215	51.1	422.8	184,600*	54.9	432.7	211,500*	58.4	439.5	237,500*							215
220	49.8	418.6	177,400*	53.7	429.0	203,600*	57.3	436.3	229,300*							220
225	48.5	414.2	170,300*	52.5	425.2	195,700*	56.1	432.9	221,000*	59.6	437.7	240,900*				225
230	47.2	409.6	163,300*	51.2	421.2	188,100*	55.0	429.4	212,800*	58.4	434.6	233,600*				230
235	45.9	404.7	156,800*	50.0	417.0	180,600*	53.8	425.7	204,800*	57.3	431.4	226,100*				235
240	44.5	399.7	150,300*	48.7	412.6	173,400*	52.6	421.9	197,100*	56.1	428.0	218,700*				240
245	43.2	394.3	144,000*	47.4	408.0	166,300*	51.3	417.9	189,500*	55.0	424.5	210,900*				245
250	41.7	388.8	137,900*	46.1	403.2	159,500*	50.1	413.7	182,100*	53.8	420.8	203,500*				250
260	38.7	376.7	126,400*	43.4	392.8	146,500*	47.5	404.8	167,800*	51.4	413.0	188,900*	54.9	417.9	205,600*	260
270	35.5	363.1	115,600*	40.5	381.5	134,400*	44.9	395.0	154,400*	48.9	404.4	174,800*	52.5	410.4	192,500*	270
280	32.0	347.8	105,500*	37.4	368.8	123,100*	42.1	384.2	141,900*	46.2	395.1	161,200*	50.0	402.2	179,400*	280
290	28.1	330.1	96,200*	34.0	354.5	112,500*	39.1	372.2	130,100*	43.5	384.8	148,400*	47.5	393.2	166,300*	290
300	23.6	308.9	87,500*	30.4	338.3	102,600*	35.9	358.9	119,100*	40.6	373.5	136,400*	44.8	383.4	153,600*	300
310	18.1	281.8	79,600*	26.3	319.2	93,500*	32.4	343.8	108,800*	37.5	360.9	125,000*	42.0	372.6	141,300*	310
320	9.9	239.6	73,200*	21.5	296.0	85,100*	28.6	326.4	99,200*	34.2	346.7	114,300*	39.0	360.6	129,900*	320
330				15.2	264.6	77,600*	24.2	305.7	90,400*	30.6	330.6	104,700*	35.8	347.2	119,100*	330
340							18.9	279.5	82,400*	26.5	311.8	95,500*	32.3	332.0	109,000*	340
350							11.2	240.5	75,600*	21.7	288.8	86,900*	28.5	314.6	99,500*	350
360										15.6	258.0	79,400*	24.1	293.7	90,800*	360
370										2.3	189.4	74,200*	18.7	267.3	83,000*	370
380													10.8	227.4	76,400*	380

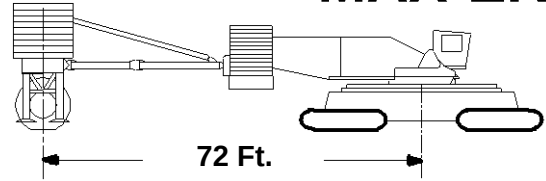
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
 Boom No. 80 With 140 Ft. Mast No. 81
 494,700 Lb. Crane Counterweight
 200,000 Lb. Carbody Counterweight
 1,124,000 Lb. Wheeled Counterweight
 at 72 Ft. Position

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



Narrow or Wide Crawler Arrangement - 360 Degree Rating

200 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60			c													60
65			c													65
70			c													70
75	67.3	320.9	871,600*b													75
80	64.6	318.5	847,100*b													80
85	61.9	315.8	822,100*b													85
90	59.1	312.8	798,700*b													90
95	56.3	309.5	775,300*b	65.9	317.2	877,900*b										95
100	53.3	305.7	752,500*b	63.3	314.7	855,800*b										100
105	50.2	301.6	710,300*	60.5	311.8	833,200*b										105
110	46.9	296.9	668,600*	57.7	308.7	810,500*b										110
115	43.5	291.6	629,500*	54.8	305.1	787,600*b	64.4	311.8	779,800*b							115
120	39.7	285.7	593,200*	51.7	301.2	766,000*	61.7	309.1	745,800*b							120
125	35.7	278.8	559,900*	48.5	296.7	736,400*	58.9	306.1	714,400*b							125
130	31.2	270.8	529,700*	45.2	291.8	706,300*	56.0	302.7	685,300*b							130
135	25.9	260.9	502,900*	41.6	286.2	678,400*	53.0	298.9	658,400*b							135
140	19.2	247.9	481,100*	37.7	279.8	652,300*	49.9	294.7	633,200*	59.9	301.7	613,900*b				140
145	7.5	223.9	418,500*	33.5	272.4	627,900*	46.7	290.0	609,700*	57.1	298.4	591,200*b				145
150				28.6	263.5	604,900*	43.2	284.7	587,700*	54.1	294.8	569,900*b				150
155				22.7	252.3	583,100*	39.4	278.7	567,000*	51.0	290.7	550,000*				155
160				14.6	236.1	508,400*	35.4	271.7	547,400*	47.8	286.2	531,200*				160
165							30.8	263.6	529,000*	44.4	281.1	513,500*	54.8	288.8	497,800*b	165
170							25.4	253.5	511,400*	40.8	275.4	496,800*	51.8	284.8	481,600*	170
175							18.6	240.1	494,400*	36.8	268.8	480,900*	48.6	280.4	466,400*	175
180							5.3	212.7	464,700*	32.4	261.1	465,800*	45.2	275.5	451,900*	180
185										27.4	251.8	451,300*	41.7	269.9	438,100*	185
190										21.2	239.9	437,400*	37.8	263.5	425,000*	190
195										12.0	221.3	423,500*	33.6	256.1	412,500*	195
200													28.7	247.3	400,400*	200
205													22.9	236.2	388,700*	205
210													14.8	220.1	377,200*	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).

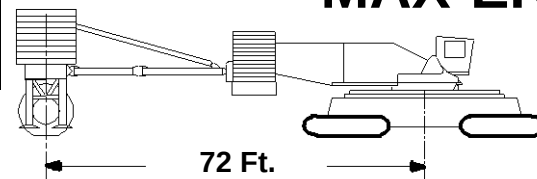
Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

21000
MAX-ER

at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating



200 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65			c													65
70			c													70
75	70.7	342.6	824,400*b													75
80	68.5	340.6	803,700*b													80
85	66.3	338.3	783,600*b													85
90	64.0	335.9	763,000*b													90
95	61.7	333.2	742,600*b	69.6	339.1	830,200*b										95
100	59.3	330.2	720,200*b	67.4	337.0	812,800*b										100
105	56.8	326.9	682,800*	65.1	334.6	795,400*b										105
110	54.3	323.3	646,000*	62.8	332.0	776,900*b										110
115	51.7	319.3	611,400*	60.4	329.2	758,100*b										115
120	49.0	315.0	578,000*	58.0	326.0	739,200*										120
125	46.1	310.2	546,400*	55.5	322.6	720,000*	63.8	329.2	710,300*b							125
130	43.2	304.9	516,800*	53.0	318.8	702,100*	61.5	326.4	681,400*b							130
135	40.0	298.9	489,100*	50.3	314.6	675,800*	59.1	323.4	654,500*b							135
140	36.6	292.3	463,500*	47.5	310.1	649,900*	56.6	320.1	629,600*							140
145	32.9	284.7	439,900*	44.6	305.0	625,800*	54.1	316.5	606,300*							145
150	28.7	275.8	418,600*	41.6	299.4	603,200*	51.5	312.5	584,400*	59.9	319.0	565,700*b				150
155	23.8	265.1	399,900*	38.3	293.1	582,000*	48.8	308.1	564,000*	57.5	315.8	545,900*				155
160	17.7	250.9	384,400*	34.7	286.0	562,000*	45.9	303.3	544,700*	55.0	312.3	527,300*				160
165	6.8	224.9	372,800*	30.8	277.8	543,100*	42.9	297.9	526,600*	52.4	308.4	509,800*				165
170				26.3	268.1	514,700*	39.7	291.9	509,400*	49.7	304.2	493,300*				170
175				20.9	255.9	489,400*	36.3	285.2	493,200*	46.9	299.5	477,600*				175
180				13.4	238.2	452,500*	32.6	277.5	477,700*	44.0	294.3	462,800*	53.0	302.4	447,800*	180
185							28.3	268.5	463,000*	40.9	288.6	448,700*	50.4	298.3	434,200*	185
190							23.4	257.6	448,900*	37.5	282.2	435,300*	47.6	293.7	421,400*	190
195							17.1	243.0	435,200*	33.9	274.8	422,500*	44.7	288.7	409,100*	195
200							4.7	213.2	417,500*	29.9	266.4	410,300*	41.6	283.1	397,400*	200
205										25.2	256.2	398,500*	38.4	276.8	386,200*	205
210										19.5	243.2	387,100*	34.8	269.8	375,500*	210
215										11.0	223.0	375,700*	30.9	261.6	365,100*	215
220													26.4	251.9	355,200*	220
225													21.1	239.8	345,500*	225
230													13.6	222.3	335,900*	230

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

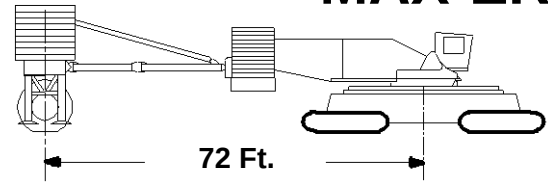
Do not luff into area indicated by (c)
with 37,000 Lb. minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



200 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
75	73.2	363.7	769,300*b													75
80	71.3	362.0	753,200*b													80
85	69.4	360.1	736,600*b													85
90	67.5	358.0	719,600*b													90
95	65.5	355.7	702,500*b													95
100	63.5	353.2	680,500*													100
105	61.4	350.5	650,600*	68.4	356.6	746,900*b										105
110	59.4	347.5	620,300*	66.5	354.4	732,900*b										110
115	57.2	344.3	590,600*	64.5	352.0	718,300*b										115
120	55.0	340.7	561,500*	62.5	349.3	703,200*										120
125	52.8	336.9	533,400*	60.4	346.5	687,700*										125
130	50.5	332.8	506,500*	58.3	343.4	672,100*										130
135	48.1	328.3	480,800*	56.1	340.0	656,600*	63.3	346.5	651,500*							135
140	45.6	323.4	456,400*	53.9	336.3	641,000*	61.3	343.7	626,700*							140
145	42.9	318.1	433,500*	51.6	332.4	623,800*	59.2	340.7	603,500*							145
150	40.2	312.2	411,900*	49.3	328.1	601,400*	57.1	337.5	581,800*							150
155	37.2	305.7	391,800*	46.8	323.4	580,300*	54.9	333.9	561,400*							155
160	34.1	298.4	373,200*	44.2	318.3	560,500*	52.6	330.1	542,300*	59.9	336.3	524,200*				160
165	30.6	290.1	356,100*	41.5	312.6	541,900*	50.3	326.0	524,300*	57.8	333.1	506,800*				165
170	26.7	280.5	340,600*	38.7	306.5	518,200*	47.9	321.4	507,300*	55.6	329.7	490,400*				170
175	22.2	268.9	326,600*	35.6	299.6	492,500*	45.4	316.5	491,300*	53.4	326.0	474,900*				175
180	16.4	253.6	315,600*	32.3	291.8	468,000*	42.7	311.1	476,000*	51.1	322.0	460,200*				180
185	6.3	225.7	309,400*	28.7	282.9	444,900*	39.9	305.2	461,600*	48.7	317.6	446,300*				185
190				24.5	272.4	423,400*	37.0	298.6	447,900*	46.2	312.8	433,100*	54.0	320.0	418,400*	190
195				19.5	259.2	403,800*	33.8	291.3	434,800*	43.7	307.6	420,500*	51.7	316.0	406,200*	195
200				12.4	240.2	386,700*	30.3	282.9	422,300*	40.9	301.8	408,500*	49.3	311.7	394,700*	200
205							26.4	273.2	410,300*	38.0	295.5	397,000*	46.9	307.0	383,600*	205
210							21.8	261.3	398,700*	35.0	288.4	386,000*	44.3	301.9	373,100*	210
215							15.9	245.6	387,400*	31.6	280.5	375,500*	41.6	296.3	363,000*	215
220							4.3	213.7	374,700*	27.8	271.3	365,400*	38.8	290.2	353,300*	220
225										23.5	260.3	355,600*	35.7	283.3	344,100*	225
230										18.2	246.3	346,000*	32.4	275.5	335,100*	230
235										10.2	224.6	336,500*	28.8	266.7	326,500*	235
240													24.6	256.2	318,100*	240
245													19.6	243.1	309,900*	245
250													12.6	224.4	301,700*	250

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

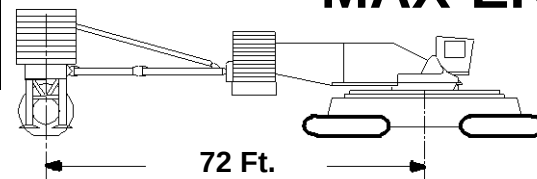
Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

**21000
MAX-ER**

**at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**



200 Ft. Boom, 180 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
80	73.5	383.1	685,100*													80
85	71.8	381.5	685,100*													85
90	70.1	379.6	677,400*													90
95	68.4	377.6	656,500*													95
100	66.6	375.5	634,200*													100
105	64.9	373.1	611,000*													105
110	63.1	370.5	587,100*	69.2	376.1	690,200*										110
115	61.3	367.8	563,000*	67.5	374.0	679,400*										115
120	59.4	364.8	538,900*	65.8	371.8	667,800*										120
125	57.5	361.6	515,000*	64.0	369.3	655,600*										125
130	55.6	358.2	491,600*	62.2	366.7	642,900*										130
135	53.6	354.5	468,900*	60.3	363.8	630,000*										135
140	51.6	350.5	447,000*	58.5	360.7	617,000*	64.7	366.4	622,200*							140
145	49.5	346.3	426,000*	56.6	357.4	604,000*	63.0	363.8	599,100*							145
150	47.4	341.7	405,900*	54.6	353.8	590,700*	61.1	361.0	577,500*							150
155	45.1	336.7	386,900*	52.6	350.0	576,900*	59.3	358.1	557,200*							155
160	42.8	331.3	368,800*	50.5	345.9	557,200*	57.4	354.8	538,200*							160
165	40.3	325.4	351,800*	48.4	341.5	538,700*	55.5	351.4	520,300*							165
170	37.7	319.0	335,800*	46.2	336.7	516,400*	53.5	347.7	503,400*	59.9	353.6	485,800*				170
175	35.0	312.0	320,900*	43.9	331.5	493,300*	51.4	343.7	487,500*	58.1	350.5	470,400*				175
180	32.0	304.1	307,100*	41.5	325.9	470,500*	49.3	339.4	472,400*	56.1	347.1	455,800*				180
185	28.8	295.2	294,300*	39.0	319.7	448,600*	47.2	334.8	458,100*	54.2	343.5	442,000*				185
190	25.1	284.9	282,800*	36.3	313.0	427,700*	44.9	329.8	444,500*	52.2	339.6	428,900*				190
195	20.8	272.5	272,500*	33.5	305.6	407,700*	42.6	324.3	431,500*	50.1	335.4	416,400*				195
200	15.4	256.2	264,200*	30.4	297.2	388,700*	40.1	318.4	419,200*	47.9	330.9	404,600*	54.7	337.5	390,100*	200
205	5.8	226.5	259,700*	27.0	287.6	370,900*	37.5	312.0	407,400*	45.7	326.1	393,200*	52.7	333.7	379,200*	205
210				23.0	276.4	354,400*	34.7	304.9	396,200*	43.4	320.8	382,400*	50.6	329.5	368,800*	210
215				18.3	262.3	339,200*	31.8	296.9	385,400*	41.0	315.1	372,100*	48.5	325.1	358,800*	215
220				11.7	242.1	325,800*	28.5	287.9	375,100*	38.4	308.8	362,200*	46.3	320.3	349,300*	220
225							24.8	277.5	365,100*	35.7	301.9	352,600*	44.0	315.2	340,100*	225
230							20.5	264.8	355,400*	32.8	294.3	343,500*	41.6	309.6	331,300*	230
235							14.9	248.1	345,900*	29.7	285.7	334,700*	39.1	303.4	322,900*	235
240							4.0	214.2	324,800*	26.1	275.8	326,200*	36.4	296.7	314,800*	240
245										22.1	264.1	317,900*	33.6	289.3	307,000*	245
250										17.1	249.2	309,800*	30.5	281.0	299,400*	250
260													23.1	260.2	284,900*	260
270													11.8	226.3	270,900*	270

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

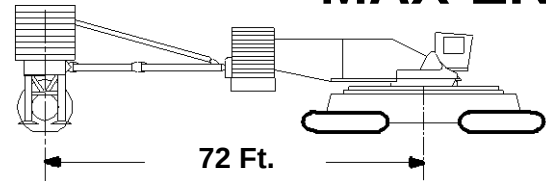
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



Narrow or Wide Crawler Arrangement - 360 Degree Rating

200 Ft. Boom, 200 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
85	73.7	402.5	595,500*													85
90	72.2	400.9	595,500*													90
95	70.7	399.1	595,500*													95
100	69.1	397.2	584,600*													100
105	67.6	395.1	567,400*													105
110	66.0	392.9	549,300*													110
115	64.4	390.5	530,500*	69.9	395.7	617,400*										115
120	62.8	387.9	511,300*	68.3	393.7	617,400*										120
125	61.2	385.1	491,900*	66.8	391.5	617,400*										125
130	59.5	382.1	472,500*	65.2	389.2	610,500*										130
135	57.8	379.0	453,200*	63.6	386.7	600,400*										135
140	56.1	375.6	434,300*	62.0	384.0	589,900*										140
145	54.3	372.0	415,700*	60.3	381.1	579,200*										145
150	52.5	368.2	397,800*	58.6	378.1	568,300*	64.3	383.7	574,100*							150
155	50.6	364.1	380,500*	56.9	374.8	557,400*	62.7	381.1	553,900*							155
160	48.7	359.7	363,900*	55.2	371.3	546,000*	61.0	378.4	535,000*							160
165	46.8	355.0	347,900*	53.4	367.6	526,600*	59.4	375.4	517,100*							165
170	44.7	349.9	332,800*	51.6	363.6	506,900*	57.7	372.2	500,300*							170
175	42.6	344.5	318,300*	49.7	359.3	487,100*	55.9	368.8	484,400*							175
180	40.4	338.7	304,700*	47.7	354.8	467,400*	54.2	365.2	469,400*	59.9	371.0	452,400*				180
185	38.1	332.4	291,800*	45.7	349.9	448,100*	52.4	361.3	455,200*	58.3	367.8	438,700*				185
190	35.7	325.5	279,700*	43.7	344.7	429,100*	50.5	357.2	441,700*	56.5	364.5	425,600*				190
195	33.1	317.9	268,400*	41.5	339.1	410,600*	48.6	352.8	428,800*	54.8	361.0	413,200*				195
200	30.3	309.5	257,800*	39.3	333.0	392,800*	46.6	348.1	416,600*	53.0	357.2	401,400*				200
205	27.2	300.0	248,100*	36.9	326.4	375,700*	44.6	343.0	404,900*	51.2	353.2	390,200*				205
210	23.8	289.0	239,100*	34.4	319.2	359,200*	42.5	337.6	393,800*	49.3	348.9	379,400*				210
215	19.7	275.8	231,300*	31.7	311.2	343,600*	40.3	331.7	383,100*	47.3	344.3	369,200*	53.4	351.2	355,500*	215
220	14.6	258.6	225,100*	28.7	302.3	328,800*	37.9	325.3	372,900*	45.3	339.3	359,400*	51.6	347.2	346,000*	220
225	5.5	227.3	221,900*	25.5	292.1	314,800*	35.5	318.4	363,200*	43.2	334.0	350,000*	49.7	343.0	336,900*	225
230				21.8	280.1	301,700*	32.9	310.7	353,800*	41.0	328.3	341,000*	47.8	338.5	328,300*	230
235				17.3	265.3	289,800*	30.0	302.3	344,800*	38.8	322.1	332,300*	45.8	333.6	319,900*	235
240				11.0	243.9	279,400*	26.9	292.7	336,000*	36.4	315.4	324,000*	43.7	328.4	311,900*	240
245							23.5	281.6	327,600*	33.8	308.0	315,900*	41.6	322.8	304,200*	245
250							19.4	268.2	319,400*	31.1	299.8	308,200*	39.3	316.7	296,800*	250
260							3.7	214.6	284,000*	24.7	280.2	293,400*	34.4	302.9	282,700*	260
270										16.1	251.9	279,400*	28.8	286.0	269,500*	270
280													21.9	264.0	257,100*	280
290													11.2	228.1	244,900*	290

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

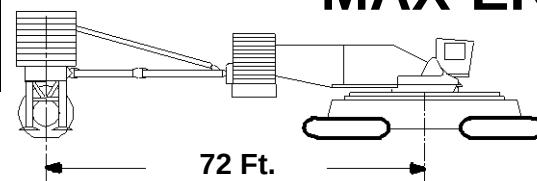
Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

**21000
MAX-ER**

**at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**



200 Ft. Boom, 220 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
90	73.8	421.9	518,100*													90
95	72.5	420.3	518,100*													95
100	71.1	418.6	518,100*													100
105	69.7	416.7	518,100*													105
110	68.3	414.7	507,600*													110
115	66.9	412.6	493,600*													115
120	65.5	410.3	479,000*													120
125	64.0	407.8	463,800*	69.0	413.2	536,900*										125
130	62.5	405.2	448,300*	67.6	411.1	536,900*										130
135	61.1	402.4	432,700*	66.2	408.9	536,900*										135
140	59.5	399.5	417,000*	64.7	406.5	536,900*										140
145	58.0	396.3	401,500*	63.3	404.0	535,600*										145
150	56.4	393.0	386,100*	61.8	401.3	526,900*										150
155	54.8	389.5	370,900*	60.3	398.4	517,400*										155
160	53.2	385.7	356,100*	58.8	395.4	507,700*	63.9	401.1	522,900*							160
165	51.6	381.8	341,800*	57.2	392.2	497,700*	62.4	398.5	512,700*							165
170	49.8	377.5	327,900*	55.6	388.7	487,100*	60.9	395.7	496,000*							170
175	48.1	373.0	314,600*	54.0	385.1	471,900*	59.4	392.7	480,100*							175
180	46.3	368.3	301,800*	52.4	381.2	456,100*	57.9	389.6	465,200*							180
185	44.4	363.2	289,600*	50.7	377.1	440,100*	56.3	386.2	451,000*							185
190	42.5	357.8	277,900*	49.0	372.8	424,100*	54.7	382.7	437,500*	59.9	388.3	421,000*				190
195	40.5	351.9	266,800*	47.2	368.1	408,100*	53.1	378.9	424,700*	58.4	385.2	408,700*				195
200	38.4	345.7	256,200*	45.4	363.2	392,400*	51.4	374.9	412,600*	56.9	381.9	396,900*				200
205	36.2	338.9	246,300*	43.5	358.0	376,900*	49.7	370.7	401,000*	55.3	378.4	385,700*				205
210	33.9	331.6	236,900*	41.5	352.3	361,800*	48.0	366.2	389,900*	53.7	374.8	375,100*				210
215	31.5	323.5	228,100*	39.5	346.3	347,200*	46.2	361.4	379,400*	52.0	370.8	364,900*				215
220	28.8	314.6	219,900*	37.3	339.8	333,100*	44.3	356.3	369,300*	50.3	366.7	355,100*				220
225	25.9	304.5	212,300*	35.1	332.7	319,500*	42.4	350.8	359,600*	48.6	362.3	345,800*	54.1	368.7	332,300*	225
230	22.6	293.0	205,400*	32.7	325.0	306,500*	40.4	344.9	350,300*	46.8	357.6	336,900*	52.4	364.9	323,700*	230
235	18.7	279.1	199,500*	30.1	316.6	294,000*	38.3	338.6	341,400*	45.0	352.6	328,300*	50.7	360.8	315,400*	235
240	13.8	260.9	194,600*	27.3	307.1	282,200*	36.1	331.8	332,800*	43.0	347.2	320,100*	49.0	356.4	307,500*	240
245	5.2	228.1	192,400*	24.2	296.3	271,100*	33.7	324.4	324,600*	41.1	341.5	312,100*	47.2	351.8	299,900*	245
250				20.7	283.7	260,700*	31.3	316.3	316,600*	39.0	335.4	304,500*	45.4	346.9	292,500*	250
260				10.4	245.6	243,000*	25.6	297.2	301,500*	34.6	321.6	290,100*	41.6	336.0	278,700*	260
270							18.4	271.3	287,200*	29.5	305.1	276,600*	37.4	323.5	265,700*	270
280							3.5	215.0	248,900*	23.5	284.3	263,900*	32.7	308.8	253,600*	280
290										15.3	254.5	251,700*	27.4	290.9	242,200*	290
300													20.8	267.6	231,400*	300
310													10.6	229.8	220,700*	310

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

494,700 Lb. Crane Counterweight

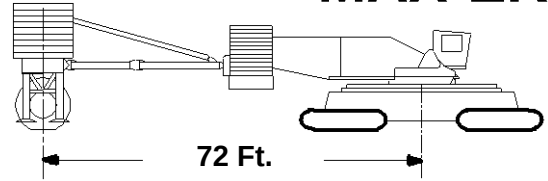
200,000 Lb. Carbody Counterweight

1,124,000 Lb. Wheeled Counterweight

at 72 Ft. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



200 Ft. Boom, 240 Ft. Jib

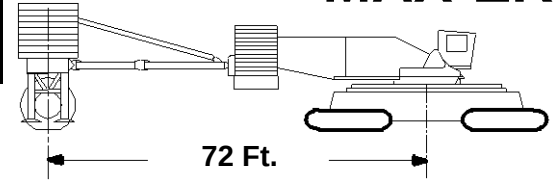
Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
95	74.0	441.3	454,100*													95
100	72.7	439.7	454,100*													100
105	71.5	438.0	454,100*													105
110	70.2	436.2	454,100*													110
115	68.9	434.3	454,100*													115
120	67.6	432.2	445,000*													120
125	66.3	430.0	433,600*													125
130	65.0	427.7	421,700*	69.6	432.7	466,700*										130
135	63.7	425.2	409,500*	68.3	430.7	466,700*										135
140	62.3	422.5	397,000*	67.0	428.6	466,700*										140
145	61.0	419.7	384,300*	65.7	426.3	466,700*										145
150	59.6	416.8	371,600*	64.3	423.9	466,700*										150
155	58.2	413.7	359,000*	63.0	421.3	466,700*										155
160	56.7	410.4	346,300*	61.6	418.6	459,300*										160
165	55.3	406.9	334,100*	60.3	415.8	450,300*	64.9	420.9	461,100*							165
170	53.8	403.2	321,900*	58.9	412.7	440,500*	63.6	418.4	457,700*							170
175	52.3	399.4	310,000*	57.4	409.5	430,400*	62.2	415.8	453,100*							175
180	50.8	395.3	298,400*	56.0	406.1	420,200*	60.9	413.0	447,300*							180
185	49.2	391.0	287,200*	54.5	402.6	409,800*	59.5	410.0	440,600*							185
190	47.6	386.4	276,400*	53.0	398.8	399,200*	58.1	406.9	432,400*							190
195	45.9	381.6	266,000*	51.5	394.8	388,700*	56.6	403.6	421,100*							195
200	44.2	376.4	256,100*	50.0	390.6	378,200*	55.2	400.1	409,000*	60.0	405.6	393,000*				200
205	42.4	371.0	246,500*	48.4	386.2	367,800*	53.7	396.4	397,400*	58.6	402.5	381,900*				205
210	40.6	365.2	237,400*	46.7	381.5	357,500*	52.2	392.6	386,400*	57.1	399.3	371,200*				210
215	38.7	359.0	228,700*	45.0	376.5	347,600*	50.6	388.4	375,900*	55.7	395.9	361,100*				215
220	36.7	352.3	220,500*	43.3	371.2	335,600*	49.1	384.1	365,800*	54.2	392.3	351,400*				220
225	34.6	345.1	212,700*	41.5	365.6	323,400*	47.4	379.5	356,200*	52.7	388.4	342,100*				225
230	32.4	337.3	205,300*	39.6	359.5	311,400*	45.8	374.7	347,000*	51.2	384.4	333,200*				230
235	30.1	328.8	198,400*	37.7	353.1	299,700*	44.1	369.5	338,100*	49.6	380.2	324,700*	54.6	386.2	311,500*	235
240	27.5	319.4	191,900*	35.7	346.2	288,400*	42.3	364.0	329,600*	48.0	375.7	316,500*	53.1	382.4	303,700*	240
245	24.7	308.9	186,000*	33.5	338.7	277,500*	40.4	358.2	321,500*	46.4	370.9	308,600*	51.6	378.5	296,100*	245
250	21.6	296.7	180,600*	31.2	330.6	267,100*	38.5	351.9	313,600*	44.7	365.8	301,100*	50.0	374.3	288,800*	250
260	13.2	263.2	172,300*	26.1	311.7	247,700*	34.4	338.0	298,700*	41.1	354.8	286,800*	46.8	365.1	275,000*	260
270				19.8	287.1	230,500*	29.9	321.6	284,100*	37.3	342.1	273,500*	43.3	354.9	262,200*	270
280				10.0	247.3	216,100*	24.5	301.4	268,900*	33.0	327.5	261,000*	39.7	343.2	250,300*	280
290							17.6	274.3	256,000*	28.2	310.1	249,300*	35.7	329.9	239,100*	290
300							3.3	215.4	208,500*	22.5	288.2	238,200*	31.3	314.3	228,500*	300
310										14.6	256.9	227,500*	26.2	295.5	218,600*	310
320													19.9	271.0	209,000*	320
330													10.1	231.5	199,600*	330

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**



200 Ft. Boom, 260 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
100	74.1	460.7	397,100*													100
105	73.0	459.1	397,100*													105
110	71.8	457.5	397,100*													110
115	70.6	455.7	397,100*													115
120	69.4	453.8	397,100*													120
125	68.3	451.8	397,100*													125
130	67.1	449.7	390,900*													130
135	65.9	447.4	381,600*	70.0	452.2	404,500*										135
140	64.6	445.0	372,000*	68.8	450.3	404,500*										140
145	63.4	442.5	362,000*	67.6	448.2	404,500*										145
150	62.2	439.9	351,800*	66.4	446.0	404,500*										150
155	60.9	437.1	341,500*	65.2	443.7	404,500*										155
160	59.6	434.1	331,100*	64.0	441.3	404,500*										160
165	58.3	431.0	320,700*	62.8	438.7	398,200*										165
170	57.0	427.8	310,400*	61.5	435.9	389,100*										170
175	55.7	424.3	300,300*	60.2	433.1	379,600*	64.5	438.3	397,000*							175
180	54.3	420.7	290,200*	59.0	430.1	369,900*	63.3	435.8	391,700*							180
185	52.9	417.0	280,400*	57.6	426.9	359,800*	62.1	433.1	385,400*							185
190	51.5	413.0	270,700*	56.3	423.5	349,700*	60.8	430.3	378,400*							190
195	50.1	408.8	261,200*	55.0	420.0	339,800*	59.5	427.4	370,600*							195
200	48.6	404.4	252,100*	53.6	416.3	329,900*	58.2	424.3	362,300*							200
205	47.1	399.7	243,300*	52.2	412.4	320,000*	56.9	421.0	353,400*							205
210	45.6	394.8	234,700*	50.8	408.4	310,300*	55.6	417.5	344,400*	60.0	422.9	357,200*				210
215	44.0	389.7	226,500*	49.3	404.1	300,700*	54.2	413.9	335,200*	58.7	419.9	352,400*				215
220	42.3	384.2	218,600*	47.8	399.5	291,300*	52.8	410.1	325,800*	57.4	416.6	346,900*				220
225	40.7	378.4	211,100*	46.3	394.8	282,200*	51.4	406.1	316,500*	56.0	413.3	337,700*				225
230	38.9	372.2	203,800*	44.8	389.7	273,400*	50.0	401.9	307,100*	54.7	409.7	328,800*				230
235	37.1	365.7	196,900*	43.2	384.4	264,700*	48.5	397.5	297,900*	53.3	406.0	320,400*				235
240	35.2	358.6	190,400*	41.5	378.8	256,300*	47.0	392.8	288,800*	51.9	402.1	312,200*				240
245	33.2	351.1	184,100*	39.8	372.8	248,100*	45.4	387.9	280,000*	50.5	397.9	304,400*	55.0	403.7	291,400*	245
250	31.1	342.9	178,300*	38.0	366.4	240,300*	43.9	382.7	271,200*	49.0	393.6	296,900*	53.6	400.0	284,200*	250
260	26.4	324.1	167,600*	34.2	352.3	225,300*	40.5	371.4	254,400*	46.0	384.2	282,700*	50.8	392.0	270,500*	260
270	20.7	300.3	158,600*	29.9	335.9	211,400*	36.9	358.6	238,700*	42.8	373.7	266,000*	47.9	383.2	257,800*	270
280	12.7	265.3	152,000*	25.0	316.1	198,600*	33.0	343.9	223,900*	39.4	361.9	250,300*	44.8	373.4	246,000*	280
290				19.0	290.4	187,300*	28.6	326.7	210,100*	35.7	348.6	235,100*	41.5	362.5	234,900*	290
300				9.5	248.8	178,300*	23.5	305.5	197,600*	31.7	333.2	220,700*	38.0	350.1	224,600*	300
310							16.9	277.2	186,700*	27.1	314.8	207,500*	34.2	336.1	214,800*	310
320							3.1	215.8	178,700*	21.5	291.9	195,500*	30.0	319.7	205,500*	320
330										14.0	259.3	185,200*	25.1	299.9	196,800*	330
340													19.0	274.3	188,300*	340
350													9.7	233.1	179,900*	350

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 Ft. Mast No. 81

494,700 Lb. Crane Counterweight

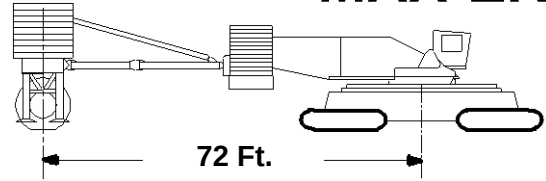
200,000 Lb. Carbody Counterweight

1,124,000 Lb. Wheeled Counterweight

at 72 Ft. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



200 Ft. Boom, 280 Ft. Jib

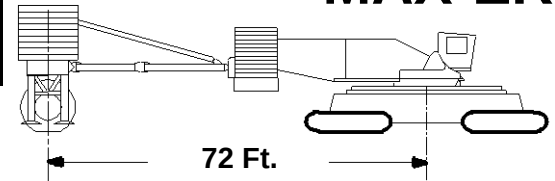
Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
105	74.2	480.0	346,800*													105
110	73.1	478.5	346,800*													110
115	72.1	476.9	346,800*													115
120	71.0	475.2	346,800*													120
125	69.9	473.3	346,800*													125
130	68.8	471.4	346,800*													130
135	67.7	469.3	346,800*													135
140	66.6	467.1	345,100*													140
145	65.4	464.8	337,500*	69.3	469.8	353,900*										145
150	64.3	462.4	329,700*	68.2	467.8	353,900*										150
155	63.2	459.8	321,600*	67.1	465.7	353,900*										155
160	62.0	457.2	313,500*	66.0	463.4	353,800*										160
165	60.8	454.4	305,200*	64.9	461.1	345,400*										165
170	59.6	451.4	296,700*	63.7	458.6	336,700*										170
175	58.4	448.4	288,300*	62.6	456.0	327,800*										175
180	57.2	445.1	279,800*	61.4	453.3	318,600*										180
185	56.0	441.7	271,300*	60.2	450.4	309,300*	64.2	455.7	331,900*							185
190	54.7	438.2	262,900*	59.0	447.4	300,000*	63.1	453.1	325,100*							190
195	53.5	434.5	254,700*	57.8	444.2	290,800*	61.9	450.4	317,700*							195
200	52.2	430.6	246,200*	56.6	440.9	281,600*	60.7	447.6	310,000*							200
205	50.8	426.5	237,800*	55.3	437.5	272,500*	59.5	444.7	302,200*							205
210	49.5	422.3	229,800*	54.1	433.8	263,600*	58.3	441.6	293,600*							210
215	48.1	417.8	221,900*	52.8	430.0	254,700*	57.1	438.4	285,200*							215
220	46.7	413.1	214,300*	51.5	426.0	246,100*	55.9	435.0	276,500*	60.0	440.2	294,200*				220
225	45.3	408.1	206,800*	50.2	421.9	237,800*	54.6	431.4	267,900*	58.8	437.2	288,200*				225
230	43.8	402.9	199,600*	48.8	417.5	229,700*	53.4	427.7	259,300*	57.5	434.0	281,500*				230
235	42.3	397.4	192,500*	47.4	412.9	221,700*	52.1	423.8	250,900*	56.3	430.7	274,600*				235
240	40.7	391.6	185,700*	46.0	408.1	214,000*	50.7	419.7	242,700*	55.1	427.2	267,200*				240
245	39.1	385.5	179,100*	44.5	403.0	206,500*	49.4	415.4	234,600*	53.8	423.5	259,600*				245
250	37.4	379.0	172,700*	43.0	397.6	199,100*	48.0	410.9	226,600*	52.5	419.7	251,900*				250
260	33.8	364.7	160,600*	39.9	386.1	185,300*	45.2	401.2	211,300*	49.9	411.4	236,600*	54.1	417.5	253,300*	260
270	29.9	348.2	149,500*	36.5	373.0	172,300*	42.2	390.5	196,800*	47.1	402.4	221,400*	51.5	409.7	241,000*	270
280	25.4	328.5	139,100*	32.9	358.2	160,100*	39.0	378.5	183,100*	44.2	392.3	206,800*	48.8	401.1	227,800*	280
290	19.9	303.7	129,700*	28.8	341.0	148,800*	35.5	365.0	170,300*	41.1	381.2	192,900*	46.0	391.7	214,100*	290
300	12.2	267.3	121,600*	24.1	320.3	138,500*	31.8	349.6	158,400*	37.9	368.8	179,700*	43.1	381.3	200,600*	300
310				18.3	293.5	129,200*	27.5	331.5	147,300*	34.3	354.7	167,200*	39.9	369.7	187,500*	310
320				9.2	250.3	121,900*	22.6	309.5	137,200*	30.5	338.6	155,600*	36.6	356.7	174,900*	320
330							16.2	280.0	128,300*	26.0	319.4	144,900*	32.9	342.0	163,000*	330
340							3.0	216.2	122,100*	20.7	295.5	135,200*	28.9	324.8	151,900*	340
350										13.5	261.6	126,800*	24.2	304.1	141,600*	350
360													18.3	277.5	132,500*	360
370													9.3	234.6	125,000*	370

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**



200 Ft. Boom, 300 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
110	74.3	499.4	304,400*													110
115	73.3	497.9	304,400*													115
120	72.3	496.3	304,400*													120
125	71.3	494.6	304,400*													125
130	70.3	492.8	304,400*													130
135	69.3	490.9	304,400*													135
140	68.2	488.9	304,400*													140
145	67.2	486.8	304,000*													145
150	66.1	484.5	298,300*	69.8	489.3	308,000*										150
155	65.1	482.2	289,100*	68.7	487.4	308,000*										155
160	64.0	479.8	279,800*	67.7	485.3	308,000*										160
165	62.9	477.2	270,600*	66.7	483.1	303,200*										165
170	61.9	474.5	261,400*	65.6	480.9	294,800*										170
175	60.8	471.7	252,300*	64.5	478.5	286,100*										175
180	59.7	468.8	243,500*	63.5	476.0	277,300*										180
185	58.5	465.7	235,000*	62.4	473.3	268,400*										185
190	57.4	462.5	226,200*	61.3	470.6	259,800*	65.0	475.5	282,300*							190
195	56.3	459.1	217,900*	60.2	467.7	251,000*	63.9	473.0	275,300*							195
200	55.1	455.6	209,700*	59.1	464.7	242,200*	62.9	470.5	268,100*							200
205	53.9	452.0	201,800*	58.0	461.6	233,400*	61.8	467.8	260,500*							205
210	52.7	448.2	194,100*	56.8	458.3	225,000*	60.7	465.0	252,600*							210
215	51.5	444.2	186,600*	55.7	454.9	216,700*	59.6	462.0	244,600*							215
220	50.2	440.0	179,400*	54.5	451.3	208,700*	58.5	458.9	236,500*							220
225	49.0	435.7	172,300*	53.3	447.6	200,800*	57.3	455.7	228,300*							225
230	47.7	431.1	165,500*	52.1	443.7	193,100*	56.2	452.4	220,400*	60.0	457.6	240,100*				230
235	46.4	426.4	158,700*	50.9	439.6	185,600*	55.0	448.8	212,600*	58.8	454.5	233,800*				235
240	45.0	421.4	152,400*	49.6	435.3	178,300*	53.8	445.2	204,800*	57.7	451.4	227,000*				240
245	43.6	416.2	146,100*	48.3	430.9	171,100*	52.6	441.4	197,100*	56.6	448.1	220,000*				245
250	42.2	410.7	139,900*	47.0	426.2	164,300*	51.4	437.4	189,700*	55.4	444.6	212,800*				250
260	39.3	398.8	128,300*	44.3	416.2	151,000*	48.9	428.8	175,200*	53.0	437.2	198,500*				260
270	36.1	385.5	117,400*	41.5	405.2	138,700*	46.3	419.5	161,500*	50.6	429.2	184,300*	54.5	434.9	201,700*	270
280	32.6	370.6	107,300*	38.5	393.0	127,100*	43.5	409.2	148,500*	48.0	420.4	170,300*	52.1	427.3	189,400*	280
290	28.8	353.3	97,800*	35.2	379.4	116,300*	40.6	397.9	136,300*	45.4	410.7	157,100*	49.6	419.0	176,800*	290
300	24.5	332.8	88,900*	31.7	363.9	106,200*	37.6	385.3	124,900*	42.6	400.2	144,600*	47.0	409.9	164,000*	300
310	19.2	307.1	81,000*	27.8	345.9	96,800*	34.3	371.2	114,300*	39.7	388.5	132,900*	44.4	399.9	151,600*	310
320	11.7	269.3	74,400*	23.2	324.4	88,100*	30.6	355.1	104,300*	36.5	375.4	121,800*	41.5	388.9	139,700*	320
330				17.6	296.6	80,200*	26.6	336.2	95,100*	33.1	360.7	111,400*	38.5	376.7	128,400*	330
340				8.8	251.8	73,900*	21.8	313.3	86,700*	29.4	343.8	101,700*	35.3	363.1	117,800*	340
350							15.6	282.7	79,100*	25.1	323.8	92,800*	31.8	347.6	107,800*	350
360							2.8	216.5	73,700*	20.0	299.0	84,600*	27.8	329.7	98,400*	360
370										13.0	263.8	77,600*	23.3	308.2	89,800*	370
380													17.7	280.5	82,100*	380
390													9.0	236.1	75,900*	390

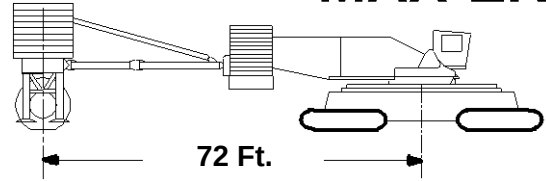
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
 Boom No. 80 With 140 Ft. Mast No. 81
 494,700 Lb. Crane Counterweight
 200,000 Lb. Carbody Counterweight
 1,124,000 Lb. Wheeled Counterweight
 at 72 Ft. Position

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



Narrow or Wide Crawler Arrangement - 360 Degree Rating

220 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65			c													65
70			c													70
75			c													75
80	65.6	339.3	787,000*b													80
85	62.9	336.7	764,200*b													85
90	60.1	333.8	741,900*b													90
95	57.3	330.6	720,000*b			c										95
100	54.3	327.0	689,800*b	65.1	336.2	798,800*b										100
105	51.3	323.0	651,000*	62.4	333.6	778,200*b										105
110	48.1	318.5	614,200*	59.7	330.6	757,600*b										110
115	44.7	313.5	579,500*	56.8	327.3	736,900*b										115
120	41.1	307.8	547,100*	53.8	323.6	716,500*b	64.5	331.2	736,400*b							120
125	37.1	301.3	517,100*	50.8	319.6	696,500*	61.8	328.5	705,400*b							125
130	32.8	293.7	490,100*	47.5	315.0	677,200*	59.0	325.5	676,800*b							130
135	27.8	284.6	465,900*	44.1	309.8	657,900*	56.1	322.1	650,100*b							135
140	21.8	272.9	445,100*	40.4	304.0	640,100*	53.2	318.4	625,300*b							140
145	13.0	255.3	431,100*	36.5	297.4	623,100*	50.0	314.2	602,100*							145
150				32.0	289.6	600,400*	46.8	309.5	580,400*	58.1	318.4	560,000*b				150
155				26.9	280.1	571,400*	43.3	304.2	560,000*	55.2	315.0	540,400*b				155
160				20.6	267.9	543,400*	39.6	298.2	540,800*	52.2	311.1	522,000*b				160
165				10.8	248.0	467,600*	35.5	291.3	522,600*	49.0	306.7	504,600*				165
170							31.0	283.2	505,400*	45.7	301.8	488,200*				170
175							25.6	273.3	489,000*	42.1	296.4	472,700*	53.9	305.7	455,800*b	175
180							18.9	260.0	473,100*	38.3	290.1	457,900*	50.8	301.6	441,700*	180
185							6.4	234.4	457,000*	34.1	282.9	443,800*	47.6	297.1	428,300*	185
190										29.4	274.3	430,400*	44.2	291.9	415,500*	190
195										23.7	263.5	417,400*	40.5	286.1	403,400*	195
200										16.1	248.4	404,700*	36.5	279.5	391,700*	200
205													32.1	271.7	380,500*	205
210													27.0	262.3	369,700*	210
215													20.7	250.1	359,200*	215
220													11.1	230.5	348,500*	220

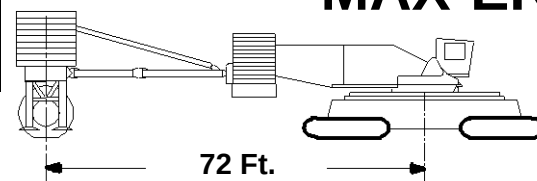
Capacities indicated by (b) require
 37,000 Lb. minimum weight suspended
 beneath luffing jib point.

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

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



21000

MAX-ER

220 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70			c													70
75			c													75
80	69.3	361.2	740,200*b													80
85	67.0	359.1	721,300*b													85
90	64.8	356.7	702,300*b													90
95	62.5	354.1	683,700*b													95
100	60.1	351.2	657,800*b	68.9	358.1	750,900*b										100
105	57.7	348.0	624,800*	66.7	356.0	735,200*b										105
110	55.2	344.5	592,600*	64.4	353.5	718,700*b										110
115	52.6	340.7	561,300*	62.1	350.9	701,300*b										115
120	49.9	336.4	531,800*	59.7	347.9	684,600*b										120
125	47.1	331.8	503,600*	57.3	344.7	667,500*										125
130	44.2	326.7	477,000*	54.8	341.2	650,600*	63.9	348.6	672,500*b							130
135	41.1	321.0	452,000*	52.2	337.3	634,000*	61.6	345.8	646,000*b							135
140	37.8	314.6	429,000*	49.5	333.0	617,800*	59.2	342.8	621,400*b							140
145	34.2	307.4	407,700*	46.7	328.3	602,100*	56.7	339.5	598,400*							145
150	30.2	299.0	388,400*	43.7	323.1	586,300*	54.2	335.9	576,800*							150
155	25.6	289.0	371,200*	40.6	317.3	567,700*	51.6	331.9	556,600*							155
160	20.0	276.3	356,700*	37.2	310.8	538,700*	48.9	327.6	537,600*	58.4	335.8	517,700*b				160
165	11.9	257.2	346,600*	33.6	303.4	511,300*	46.0	322.7	519,800*	55.9	332.4	500,500*				165
170				29.5	294.8	485,600*	43.0	317.4	502,900*	53.4	328.7	484,300*				170
175				24.8	284.4	461,800*	39.8	311.5	486,800*	50.7	324.6	468,900*				175
180				19.0	271.1	440,600*	36.4	304.8	471,700*	48.0	320.1	454,400*				180
185				9.9	249.5	414,700*	32.7	297.1	457,200*	45.1	315.1	440,600*	54.8	323.2	423,900*	185
190							28.5	288.2	443,400*	42.0	309.6	427,500*	52.2	319.3	411,400*	190
195							23.6	277.3	430,100*	38.8	303.4	415,000*	49.5	315.1	399,400*	195
200							17.4	262.9	417,300*	35.3	296.4	403,000*	46.7	310.4	388,000*	200
205							5.8	235.1	404,000*	31.4	288.4	391,600*	43.8	305.2	377,100*	205
210										27.0	279.0	380,600*	40.6	299.4	366,700*	210
215										21.8	267.2	369,900*	37.3	292.9	356,700*	215
220										14.8	250.8	359,300*	33.6	285.5	347,100*	220
225													29.6	276.9	337,800*	225
230													24.9	266.6	328,800*	230
235													19.1	253.3	320,000*	235
240													10.1	232.1	311,000*	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).

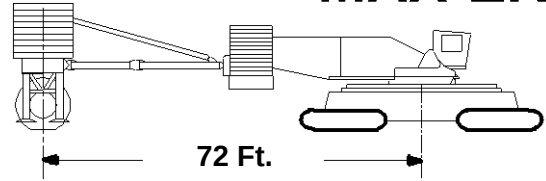
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



Narrow or Wide Crawler Arrangement - 360 Degree Rating

220 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
75																75
80	72.0	382.6	699,800* ^b													80
85	70.1	380.7	684,400* ^b													85
90	68.1	378.7	668,500* ^b													90
95	66.2	376.5	647,600* ^b													95
100	64.2	374.0	621,300* ^b													100
105	62.2	371.4	594,400*	69.8	377.7	695,500* ^b										105
110	60.1	368.5	567,600*	67.8	375.6	683,200* ^b										110
115	58.0	365.3	541,000*	65.9	373.4	669,400* ^b										115
120	55.8	361.9	515,000*	63.9	370.9	656,000* ^b										120
125	53.6	358.2	489,900*	61.8	368.2	641,800*										125
130	51.3	354.2	465,700*	59.7	365.3	627,400*										130
135	48.9	349.9	442,700*	57.6	362.1	613,000*										135
140	46.4	345.1	420,700*	55.4	358.6	598,600*	63.4	365.9	618,300* ^b							140
145	43.9	339.9	399,800*	53.2	354.9	584,500*	61.4	363.1	595,400*							145
150	41.2	334.2	380,500*	50.9	350.8	570,700*	59.3	360.2	574,000*							150
155	38.3	328.0	362,300*	48.5	346.4	557,200*	57.1	356.9	553,900*							155
160	35.2	321.0	345,500*	46.0	341.6	535,300*	54.9	353.4	535,000*							160
165	31.9	313.1	329,900*	43.4	336.3	510,000*	52.7	349.6	517,200*							165
170	28.1	304.0	315,700*	40.7	330.5	485,500*	50.4	345.4	500,500*	58.6	353.1	481,100*				170
175	23.9	293.2	303,200*	37.8	324.1	462,100*	48.0	340.9	484,700*	56.4	349.8	465,900*				175
180	18.7	279.5	292,600*	34.7	317.0	439,900*	45.4	336.0	469,600*	54.2	346.2	451,500*				180
185	11.1	258.9	285,400*	31.3	308.9	418,900*	42.8	330.6	455,400*	52.0	342.3	437,900*				185
190				27.5	299.6	399,200*	40.1	324.7	441,900*	49.6	338.0	424,900*				190
195				23.1	288.4	381,000*	37.1	318.2	429,000*	47.2	333.4	412,500*				195
200				17.6	274.0	364,600*	33.9	310.9	416,700*	44.6	328.3	400,800*	53.3	336.9	384,900*	200
205				9.2	250.9	351,400*	30.4	302.5	404,900*	42.0	322.8	389,500*	50.9	332.9	374,200*	205
210							26.5	292.9	393,600*	39.1	316.7	378,800*	48.6	328.4	363,900*	210
215							22.0	281.1	382,600*	36.1	309.9	368,500*	46.1	323.6	354,100*	215
220							16.1	265.6	372,000*	32.9	302.3	358,600*	43.5	318.4	344,700*	220
225							5.3	235.8	360,900*	29.3	293.6	349,100*	40.7	312.6	335,600*	225
230										25.2	283.4	339,900*	37.8	306.2	326,900*	230
235										20.3	270.7	331,000*	34.7	299.1	318,600*	235
240										13.7	253.1	322,100*	31.3	291.1	310,500*	240
245													27.6	281.8	302,700*	245
250													23.2	270.6	295,100*	250
260													9.4	233.5	279,900*	260

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

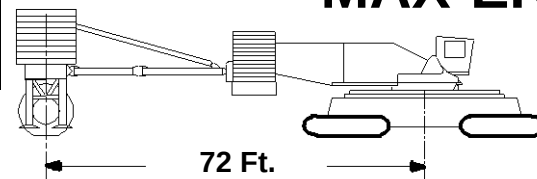
Do not luff into area indicated by (c)
with 37,000 Lb. minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

21000
MAX-ER



at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

220 Ft. Boom, 180 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
80	74.1	403.6	622,100*													80
85	72.4	402.0	622,100*													85
90	70.7	400.2	618,400*													90
95	69.0	398.3	599,700*													95
100	67.3	396.2	579,700*													100
105	65.5	393.9	558,800*													105
110	63.7	391.4	537,300*													110
115	61.9	388.7	515,600*	68.7	395.2	632,700*										115
120	60.1	385.8	493,900*	67.0	393.1	622,200*										120
125	58.2	382.7	472,400*	65.2	390.7	611,100*										125
130	56.3	379.3	451,300*	63.4	388.2	599,500*										130
135	54.3	375.7	430,800*	61.6	385.5	587,600*										135
140	52.3	371.9	411,000*	59.8	382.6	575,500*										140
145	50.3	367.7	392,000*	57.9	379.4	563,300*	64.8	385.8	590,800*							145
150	48.1	363.2	373,700*	56.0	376.0	551,100*	63.0	383.2	569,500*							150
155	45.9	358.4	356,600*	54.0	372.4	539,100*	61.2	380.5	549,500*							155
160	43.6	353.2	340,200*	52.0	368.5	524,400*	59.4	377.5	530,700*							160
165	41.2	347.5	324,800*	49.9	364.3	502,800*	57.5	374.3	513,000*							165
170	38.6	341.3	310,300*	47.8	359.7	481,300*	55.5	370.8	496,400*							170
175	36.0	334.4	296,700*	45.5	354.8	460,200*	53.6	367.1	480,600*							175
180	33.1	326.9	284,100*	43.2	349.5	439,800*	51.5	363.2	465,700*	58.8	370.5	446,900*				180
185	29.9	318.4	272,500*	40.8	343.8	420,000*	49.4	358.9	451,600*	56.9	367.2	433,300*				185
190	26.4	308.6	261,900*	38.2	337.5	401,000*	47.3	354.3	438,200*	54.9	363.7	420,500*				190
195	22.4	297.0	252,500*	35.5	330.5	382,800*	45.0	349.3	425,500*	52.9	359.9	408,200*				195
200	17.5	282.4	244,500*	32.6	322.8	365,400*	42.7	343.9	413,300*	50.9	355.8	396,600*				200
205	10.4	260.6	239,400*	29.4	314.1	349,100*	40.2	338.0	401,700*	48.7	351.4	385,500*				205
210				25.8	304.1	333,800*	37.6	331.5	390,600*	46.5	346.7	374,900*	54.0	354.4	359,200*	210
215				21.7	292.2	319,700*	34.9	324.4	380,000*	44.3	341.6	364,700*	52.0	350.5	349,500*	215
220				16.6	276.8	307,000*	31.9	316.5	369,900*	41.9	336.0	355,000*	49.9	346.3	340,200*	220
225				8.6	252.3	296,400*	28.6	307.6	360,100*	39.4	330.0	345,700*	47.8	341.8	331,300*	225
230							24.9	297.2	350,600*	36.8	323.3	336,700*	45.6	336.9	322,800*	230
235							20.6	284.7	341,500*	33.9	316.0	328,100*	43.2	331.6	314,600*	235
240							15.1	268.1	332,500*	30.9	307.8	319,800*	40.8	325.9	306,700*	240
245							4.9	236.5	323,100*	27.5	298.4	311,800*	38.3	319.6	299,000*	245
250										23.7	287.5	304,000*	35.5	312.6	291,700*	250
260										12.9	255.2	288,800*	29.4	296.3	277,700*	260
270													21.8	274.4	264,500*	270
280													8.8	234.9	251,400*	280

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

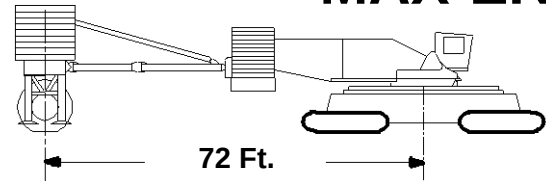
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



Narrow or Wide Crawler Arrangement - 360 Degree Rating

220 Ft. Boom, 200 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
85	74.2	423.0	544,100*(b)													85
90	72.7	421.4	544,100*(b)													90
95	71.2	419.7	544,100*(b)													95
100	69.7	417.8	535,900*													100
105	68.1	415.8	520,300*													105
110	66.5	413.6	503,800*													110
115	65.0	411.2	486,800*													115
120	63.4	408.7	469,300*	69.4	414.8	572,100*										120
125	61.7	406.0	451,700*	67.9	412.7	571,700*										125
130	60.1	403.1	434,100*	66.3	410.5	563,000*										130
135	58.4	400.0	416,600*	64.7	408.1	553,800*										135
140	56.7	396.7	399,400*	63.1	405.6	544,200*										140
145	54.9	393.2	382,500*	61.5	402.8	534,400*										145
150	53.1	389.5	366,200*	59.8	399.9	524,300*										150
155	51.3	385.4	350,400*	58.1	396.8	514,200*	64.3	403.2	546,000*							155
160	49.4	381.2	335,300*	56.4	393.4	504,100*	62.7	400.6	527,300*							160
165	47.5	376.6	320,800*	54.6	389.9	488,500*	61.1	397.8	509,700*							165
170	45.5	371.7	306,900*	52.8	386.1	470,900*	59.4	394.8	493,100*							170
175	43.4	366.4	293,800*	51.0	382.0	453,200*	57.7	391.6	477,500*							175
180	41.2	360.7	281,300*	49.1	377.7	435,500*	56.0	388.3	462,600*							180
185	38.9	354.6	269,600*	47.1	373.1	418,000*	54.2	384.6	448,600*							185
190	36.5	347.9	258,500*	45.1	368.1	400,800*	52.4	380.8	435,300*	58.9	387.8	417,000*				190
195	34.0	340.5	248,200*	43.0	362.7	384,100*	50.6	376.7	422,600*	57.2	384.6	404,800*				195
200	31.3	332.4	238,600*	40.8	357.0	367,800*	48.7	372.3	410,500*	55.4	381.1	393,300*				200
205	28.3	323.4	229,700*	38.6	350.8	352,200*	46.7	367.6	399,000*	53.7	377.4	382,200*				205
210	25.0	313.0	221,600*	36.1	344.0	337,100*	44.7	362.5	388,000*	51.8	373.5	371,700*				210
215	21.2	300.7	214,400*	33.6	336.5	322,800*	42.5	357.1	377,600*	50.0	369.3	361,600*				215
220	16.6	285.2	208,300*	30.8	328.3	309,100*	40.3	351.2	367,500*	48.0	364.8	352,000*	54.7	371.9	336,800*	220
225	9.8	262.1	204,500*	27.8	319.0	296,200*	38.0	344.9	357,900*	46.0	360.0	342,800*	52.9	368.1	327,900*	225
230				24.4	308.4	284,200*	35.6	338.0	348,600*	44.0	354.8	334,000*	51.0	364.1	319,500*	230
235				20.5	295.7	273,100*	33.0	330.3	339,800*	41.8	349.3	325,500*	49.1	359.8	311,300*	235
240				15.6	279.5	263,100*	30.1	321.9	331,200*	39.6	343.2	317,300*	47.2	355.1	303,500*	240
245				8.1	253.5	254,800*	27.1	312.3	322,900*	37.3	336.7	309,500*	45.2	350.2	296,000*	245
250							23.6	301.3	314,900*	34.8	329.6	301,900*	43.1	344.8	288,800*	250
260							14.3	270.5	299,400*	29.2	313.0	287,500*	38.6	332.9	275,100*	260
270										22.4	291.4	274,000*	33.6	318.7	262,300*	270
280										12.2	257.2	260,800*	27.8	301.2	250,300*	280
290													20.6	277.9	238,800*	290
300													8.3	236.2	227,400*	300

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

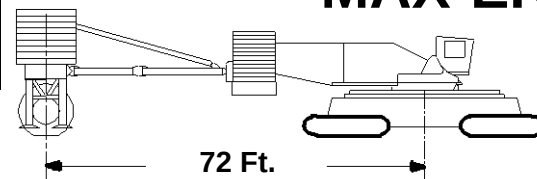
Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

21000
MAX-ER

at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating



220 Ft. Boom, 220 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
90	74.3	442.4	477,200*													90
95	73.0	440.8	477,200*													95
100	71.6	439.1	477,200*													100
105	70.2	437.3	477,200*													105
110	68.8	435.4	466,800*													110
115	67.4	433.3	453,800*													115
120	66.0	431.0	440,300*													120
125	64.5	428.6	426,300*	70.0	434.3	495,200*										125
130	63.1	426.1	412,000*	68.6	432.3	495,200*										130
135	61.6	423.3	397,600*	67.2	430.2	495,200*										135
140	60.1	420.4	383,200*	65.7	427.9	495,200*										140
145	58.5	417.4	368,900*	64.3	425.5	495,200*										145
150	57.0	414.1	354,800*	62.8	422.9	495,200*										150
155	55.4	410.7	340,900*	61.3	420.1	489,900*										155
160	53.8	407.0	327,400*	59.8	417.2	478,100*										160
165	52.1	403.1	314,300*	58.3	414.1	465,100*	63.9	420.5	503,900*							165
170	50.4	399.0	301,600*	56.7	410.8	451,800*	62.5	417.9	488,600*							170
175	48.7	394.6	289,400*	55.1	407.3	437,800*	61.0	415.1	473,000*							175
180	46.9	389.9	277,700*	53.5	403.6	423,500*	59.5	412.1	458,200*							180
185	45.1	384.9	266,500*	51.9	399.7	409,000*	57.9	409.0	444,200*							185
190	43.2	379.6	255,800*	50.2	395.5	394,500*	56.4	405.7	431,000*							190
195	41.2	373.9	245,700*	48.4	391.1	379,900*	54.8	402.1	418,400*							195
200	39.2	367.8	236,100*	46.6	386.4	365,600*	53.1	398.4	406,400*	59.0	405.1	388,600*				200
205	37.0	361.2	227,000*	44.8	381.3	351,500*	51.5	394.4	394,900*	57.4	401.9	377,600*				205
210	34.8	354.1	218,400*	42.9	376.0	337,700*	49.8	390.1	384,000*	55.9	398.5	367,100*				210
215	32.3	346.3	210,400*	40.9	370.2	324,300*	48.0	385.6	373,600*	54.3	394.9	357,100*				215
220	29.7	337.7	203,000*	38.8	364.0	311,400*	46.2	380.9	363,700*	52.6	391.1	347,600*				220
225	26.9	328.1	196,000*	36.7	357.4	298,900*	44.4	375.8	354,100*	50.9	387.0	338,400*				225
230	23.8	317.1	189,800*	34.4	350.1	287,000*	42.4	370.3	345,000*	49.2	382.7	329,700*				230
235	20.2	304.2	184,100*	31.9	342.2	275,600*	40.4	364.5	336,200*	47.5	378.1	321,300*	53.5	385.7	306,600*	235
240	15.7	287.9	179,600*	29.3	333.5	264,700*	38.3	358.2	327,800*	45.6	373.3	313,200*	51.9	381.8	298,900*	240
245	9.3	263.6	176,700*	26.4	323.7	254,500*	36.1	351.4	319,600*	43.8	368.0	305,400*	50.2	377.6	291,400*	245
250				23.2	312.4	244,900*	33.8	344.0	311,800*	41.8	362.5	298,000*	48.5	373.2	284,300*	250
260				14.9	282.0	228,100*	28.7	327.0	297,000*	37.7	350.1	283,800*	44.8	363.4	270,800*	260
270							22.4	305.2	283,000*	33.1	335.5	270,600*	40.9	352.3	258,200*	270
280							13.6	272.8	269,600*	27.8	317.9	258,200*	36.7	339.5	246,400*	280
290										21.3	295.0	246,500*	32.0	324.4	235,400*	290
300										11.6	259.1	235,100*	26.5	305.8	224,900*	300
310													19.6	281.3	214,900*	310
320													7.8	237.4	204,800*	320

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

494,700 Lb. Crane Counterweight

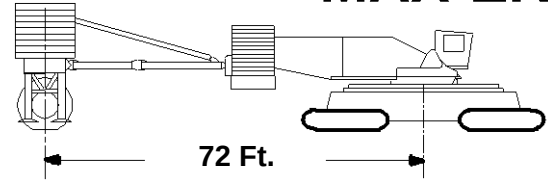
200,000 Lb. Carbody Counterweight

1,124,000 Lb. Wheeled Counterweight

at 72 Ft. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



220 Ft. Boom, 240 Ft. Jib

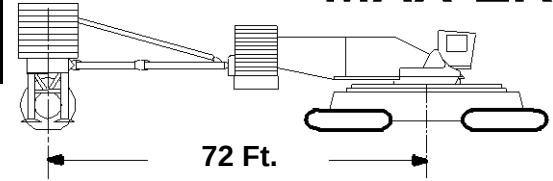
Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
95	74.4	461.7	421,100*													95
100	73.2	460.2	421,100*													100
105	71.9	458.6	421,100*													105
110	70.7	456.8	421,100*													110
115	69.4	454.9	420,300*													115
120	68.1	452.9	410,200*													120
125	66.8	450.7	399,500*													125
130	65.5	448.4	388,400*													130
135	64.1	446.0	377,000*	69.2	451.8	437,900*										135
140	62.8	443.4	365,300*	67.9	449.8	437,900*										140
145	61.4	440.7	353,500*	66.6	447.6	437,900*										145
150	60.1	437.8	341,800*	65.3	445.3	437,900*										150
155	58.7	434.7	330,000*	63.9	442.8	437,900*										155
160	57.2	431.5	318,500*	62.6	440.2	437,900*										160
165	55.8	428.1	307,000*	61.2	437.5	436,500*										165
170	54.3	424.5	295,900*	59.8	434.5	427,100*	65.0	440.3	433,900*							170
175	52.8	420.7	284,900*	58.4	431.5	417,200*	63.6	437.9	433,900*							175
180	51.3	416.7	274,300*	57.0	428.2	406,600*	62.3	435.2	433,900*							180
185	49.7	412.4	264,000*	55.6	424.8	395,200*	60.9	432.4	433,900*							185
190	48.1	407.9	254,100*	54.1	421.1	383,700*	59.5	429.5	427,200*							190
195	46.5	403.2	244,500*	52.6	417.3	372,000*	58.1	426.3	414,600*							195
200	44.8	398.2	235,400*	51.0	413.3	360,100*	56.7	423.0	402,700*							200
205	43.0	392.8	226,600*	49.5	409.0	348,100*	55.2	419.6	391,300*							205
210	41.2	387.2	218,300*	47.9	404.5	336,200*	53.7	415.9	380,400*	59.1	422.5	363,200*				210
215	39.4	381.1	210,400*	46.2	399.7	324,500*	52.2	412.0	370,100*	57.7	419.3	353,200*				215
220	37.4	374.6	202,800*	44.5	394.6	312,900*	50.7	407.9	360,100*	56.2	415.9	343,700*				220
225	35.4	367.6	195,700*	42.8	389.2	301,500*	49.1	403.6	350,600*	54.8	412.4	334,600*				225
230	33.2	360.1	189,000*	40.9	383.5	290,400*	47.5	399.0	341,500*	53.3	408.7	325,900*				230
235	30.9	351.8	182,700*	39.0	377.3	279,700*	45.8	394.1	332,800*	51.7	404.7	317,500*				235
240	28.4	342.7	176,800*	37.1	370.8	269,300*	44.1	389.0	324,400*	50.2	400.5	309,500*				240
245	25.7	332.6	171,300*	35.0	363.7	259,300*	42.3	383.5	316,400*	48.6	396.1	301,800*	54.1	403.2	287,500*	245
250	22.7	321.1	166,400*	32.8	356.0	249,800*	40.5	377.7	308,600*	47.0	391.5	294,400*	52.6	399.4	280,400*	250
260	15.0	290.4	158,600*	28.0	338.4	231,900*	36.6	364.8	294,000*	43.6	381.3	280,400*	49.5	391.0	267,000*	260
270				22.2	316.3	216,000*	32.3	349.8	280,300*	39.9	369.8	267,300*	46.2	381.7	254,500*	270
280				14.2	284.4	202,600*	27.4	331.8	267,500*	36.0	356.6	255,100*	42.8	371.3	242,800*	280
290							21.4	308.9	255,400*	31.6	341.1	243,700*	39.1	359.4	231,900*	290
300							13.0	275.0	237,100*	26.5	322.5	232,900*	35.0	345.8	221,700*	300
310										20.3	298.6	222,600*	30.5	329.8	212,000*	310
320										11.0	260.9	212,500*	25.3	310.3	202,900*	320
330													18.7	284.5	194,000*	330
340													7.5	238.6	185,100*	340

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**



220 Ft. Boom, 260 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
100	74.5	481.1	370,700*													100
105	73.4	479.6	370,700*													105
110	72.2	478.0	370,700*													110
115	71.0	476.2	370,700*													115
120	69.9	474.4	370,700*													120
125	68.7	472.4	369,500*													125
130	67.5	470.3	361,100*													130
135	66.3	468.1	352,300*													135
140	65.1	465.8	343,200*	69.7	471.4	380,400*										140
145	63.8	463.3	333,800*	68.5	469.4	380,400*										145
150	62.6	460.7	324,200*	67.3	467.3	380,400*										150
155	61.3	458.0	314,500*	66.1	465.0	380,400*										155
160	60.1	455.1	304,800*	64.9	462.7	380,400*										160
165	58.8	452.0	295,100*	63.6	460.2	380,400*										165
170	57.5	448.8	285,500*	62.4	457.5	380,400*										170
175	56.1	445.5	276,000*	61.1	454.8	379,200*										175
180	54.8	441.9	266,700*	59.8	451.9	370,500*	64.6	457.7	378,400*							180
185	53.4	438.2	257,500*	58.6	448.8	361,600*	63.3	455.2	378,400*							185
190	52.0	434.3	248,600*	57.2	445.6	352,200*	62.1	452.5	376,600*							190
195	50.6	430.2	239,900*	55.9	442.2	342,700*	60.8	449.7	370,800*							195
200	49.1	425.9	231,500*	54.6	438.6	333,200*	59.6	446.8	364,200*							200
205	47.6	421.3	223,300*	53.2	434.9	323,800*	58.3	443.7	357,000*							205
210	46.1	416.5	215,400*	51.8	430.9	314,400*	56.9	440.4	349,100*							210
215	44.5	411.4	207,900*	50.3	426.8	305,100*	55.6	437.0	340,800*							215
220	42.9	406.1	200,600*	48.9	422.4	296,000*	54.2	433.4	332,200*	59.1	439.8	339,100*				220
225	41.3	400.4	193,700*	47.4	417.8	287,000*	52.9	429.6	323,500*	57.8	436.6	330,000*				225
230	39.5	394.4	187,100*	45.9	413.0	278,200*	51.5	425.6	314,600*	56.5	433.3	321,300*				230
235	37.7	387.9	180,800*	44.3	407.8	269,600*	50.0	421.4	305,800*	55.2	429.8	313,000*				235
240	35.9	381.1	174,800*	42.7	402.4	261,400*	48.5	417.0	296,800*	53.8	426.2	305,100*				240
245	33.9	373.7	169,100*	41.0	396.7	253,200*	47.0	412.3	288,000*	52.4	422.3	297,400*				245
250	31.8	365.7	163,700*	39.2	390.6	245,300*	45.5	407.4	279,400*	51.0	418.3	290,000*				250
260	27.3	347.6	154,000*	35.5	377.2	230,100*	42.3	396.8	262,500*	48.1	409.5	276,100*	53.2	416.9	262,300*	260
270	21.8	324.9	145,700*	31.5	361.6	215,800*	38.8	384.8	246,500*	45.0	399.8	263,200*	50.4	408.8	249,900*	270
280	14.4	292.9	139,500*	26.8	343.2	202,800*	35.1	371.1	231,400*	41.7	388.9	251,100*	47.4	399.9	238,400*	280
290				21.3	320.0	190,300*	31.0	355.3	217,200*	38.3	376.7	239,800*	44.3	389.9	227,600*	290
300				13.6	286.7	179,500*	26.3	336.4	204,100*	34.5	362.8	229,200*	41.0	378.8	217,500*	300
310							20.6	312.5	192,300*	30.3	346.5	216,200*	37.5	366.2	208,000*	310
320							12.4	277.0	182,400*	25.4	327.0	203,700*	33.6	351.8	199,000*	320
330										19.5	301.9	192,200*	29.3	335.0	190,500*	330
340										10.6	262.7	182,700*	24.3	314.5	182,400*	340
350													17.9	287.6	174,500*	350
360													7.1	239.7	166,500*	360

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 Ft. Mast No. 81

494,700 Lb. Crane Counterweight

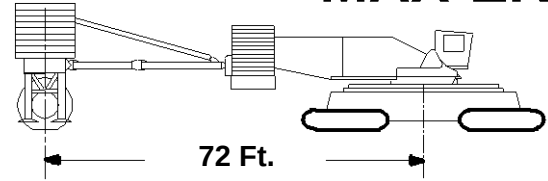
200,000 Lb. Carbody Counterweight

1,124,000 Lb. Wheeled Counterweight

at 72 Ft. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



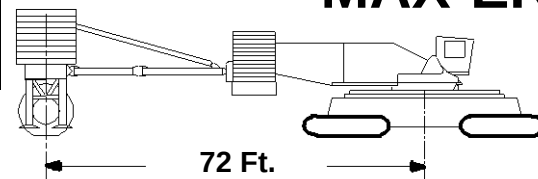
220 Ft. Boom, 280 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
105	74.6	500.5	325,400*													105
110	73.5	499.0	325,400*													110
115	72.4	497.4	325,400*													115
120	71.4	495.7	325,400*													120
125	70.3	493.9	325,400*													125
130	69.2	492.0	325,400*													130
135	68.1	489.9	325,400*													135
140	67.0	487.8	319,500*													140
145	65.8	485.5	312,300*													145
150	64.7	483.2	304,800*	69.0	488.9	334,000*										150
155	63.6	480.7	297,100*	67.9	486.9	334,000*										155
160	62.4	478.0	289,200*	66.8	484.7	334,000*										160
165	61.2	475.3	281,500*	65.6	482.4	334,000*										165
170	60.1	472.4	273,500*	64.5	480.0	334,000*										170
175	58.9	469.4	265,500*	63.4	477.5	328,600*										175
180	57.6	466.2	257,500*	62.2	474.9	320,300*										180
185	56.4	462.9	249,600*	61.0	472.1	311,800*										185
190	55.2	459.4	241,800*	59.9	469.2	303,100*	64.3	475.1	324,500*							190
195	53.9	455.7	233,900*	58.7	466.1	294,300*	63.1	472.5	318,900*							195
200	52.6	451.9	226,400*	57.4	462.9	285,500*	61.9	469.9	312,600*							200
205	51.3	447.9	219,100*	56.2	459.6	276,700*	60.8	467.1	305,700*							205
210	50.0	443.7	212,200*	55.0	456.1	268,000*	59.6	464.1	298,600*							210
215	48.6	439.3	205,000*	53.7	452.4	259,400*	58.4	461.0	291,000*							215
220	47.2	434.7	198,200*	52.4	448.5	250,900*	57.2	457.8	283,100*							220
225	45.8	429.8	191,600*	51.1	444.5	242,600*	55.9	454.4	275,000*							225
230	44.3	424.7	185,300*	49.7	440.2	234,500*	54.7	450.8	266,500*	59.2	457.1	284,700*				230
235	42.8	419.3	179,200*	48.4	435.8	226,600*	53.4	447.1	258,300*	58.0	454.0	279,300*				235
240	41.3	413.6	173,400*	47.0	431.1	218,800*	52.1	443.2	250,200*	56.8	450.7	273,300*				240
245	39.7	407.6	167,800*	45.5	426.2	211,300*	50.8	439.1	242,100*	55.5	447.3	266,900*				245
250	38.0	401.3	162,500*	44.1	421.1	204,000*	49.4	434.9	234,200*	54.3	443.7	260,000*				250
260	34.5	387.3	152,500*	41.0	409.9	189,900*	46.7	425.7	218,800*	51.7	435.9	245,500*				260
270	30.6	371.2	143,600*	37.7	397.4	176,700*	43.7	415.5	204,100*	49.0	427.4	230,900*	53.7	434.4	246,300*	270
280	26.2	352.2	135,700*	34.2	383.3	164,300*	40.6	404.2	190,200*	46.2	418.1	216,300*	51.1	426.5	234,800*	280
290	21.0	328.5	129,000*	30.3	367.0	152,800*	37.3	391.5	177,000*	43.3	407.7	202,200*	48.4	417.9	224,100*	290
300	13.8	295.2	122,900*	25.8	347.7	142,100*	33.8	377.2	164,600*	40.1	396.3	188,700*	45.6	408.3	211,400*	300
310				20.5	323.5	132,400*	29.8	360.6	153,200*	36.8	383.4	175,800*	42.6	397.7	198,400*	310
320				13.1	288.9	124,200*	25.3	340.9	142,500*	33.2	368.7	163,700*	39.4	386.0	185,600*	320
330							19.8	315.9	133,000*	29.1	351.7	152,400*	36.0	372.7	173,200*	330
340							12.0	279.0	124,900*	24.5	331.3	142,000*	32.3	357.6	161,500*	340
350										18.7	305.2	132,600*	28.2	340.0	150,600*	350
360										10.1	264.3	124,800*	23.3	318.6	140,500*	360
370													17.2	290.5	131,500*	370
380													6.9	240.8	124,500*	380

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



21000
MAX-ER

220 Ft. Boom, 300 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
110	74.6	519.9	286,700*													110
115	73.6	518.4	286,700*													115
120	72.6	516.8	286,700*													120
125	71.6	515.1	286,700*													125
130	70.6	513.4	286,700*													130
135	69.6	511.5	286,700*													135
140	68.6	509.5	286,700*													140
145	67.5	507.4	286,700*													145
150	66.5	505.2	283,300*													150
155	65.5	503.0	277,300*	69.4	508.4	291,400*										155
160	64.4	500.5	271,200*	68.4	506.4	291,400*										160
165	63.3	498.0	264,900*	67.4	504.3	291,400*										165
170	62.2	495.4	258,500*	66.3	502.1	291,400*										170
175	61.2	492.6	251,900*	65.3	499.8	287,600*										175
180	60.1	489.7	244,300*	64.2	497.4	279,600*										180
185	58.9	486.7	235,900*	63.1	494.9	271,300*										185
190	57.8	483.5	227,600*	62.1	492.2	263,000*										190
195	56.7	480.2	219,400*	61.0	489.4	254,500*	65.0	494.9	276,700*							195
200	55.5	476.8	211,400*	59.9	486.5	246,400*	64.0	492.4	270,700*							200
205	54.3	473.2	203,600*	58.7	483.5	238,000*	62.9	489.9	264,100*							205
210	53.1	469.5	196,000*	57.6	480.3	229,700*	61.8	487.2	257,400*							210
215	51.9	465.5	188,500*	56.5	477.0	221,300*	60.7	484.4	250,200*							215
220	50.7	461.4	181,300*	55.3	473.5	213,300*	59.6	481.4	242,700*							220
225	49.4	457.1	174,000*	54.1	469.9	205,600*	58.5	478.4	235,100*							225
230	48.1	452.7	167,300*	52.9	466.1	197,900*	57.4	475.1	227,400*							230
235	46.8	448.0	160,700*	51.7	462.1	190,400*	56.2	471.8	219,500*							235
240	45.5	443.1	154,300*	50.5	458.0	183,000*	55.0	468.3	212,000*	59.3	474.5	232,300*				240
245	44.1	437.9	148,000*	49.2	453.7	175,900*	53.9	464.6	204,400*	58.1	471.3	226,500*				245
250	42.7	432.5	141,900*	47.9	449.2	168,900*	52.7	460.8	196,900*	57.0	468.1	220,100*				250
260	39.8	420.9	130,200*	45.3	439.5	155,500*	50.2	452.7	182,400*	54.7	461.1	206,800*				260
270	36.7	407.9	119,200*	42.5	428.9	142,900*	47.6	443.7	168,400*	52.3	453.5	193,100*				270
280	33.3	393.2	109,000*	39.5	417.1	131,100*	45.0	434.0	155,300*	49.8	445.3	179,500*	54.2	451.9	197,600*	280
290	29.5	376.4	99,400*	36.4	404.0	120,100*	42.2	423.2	142,800*	47.2	436.2	166,200*	51.7	444.2	186,100*	290
300	25.3	356.6	90,400*	33.0	389.2	109,700*	39.2	411.3	131,000*	44.5	426.3	153,300*	49.2	435.8	174,100*	300
310	20.2	332.0	82,300*	29.2	372.2	100,100*	36.0	398.0	120,000*	41.7	415.4	141,200*	46.6	426.5	161,900*	310
320	13.4	297.5	75,500*	24.9	352.1	91,200*	32.6	383.0	109,700*	38.7	403.3	129,400*	43.9	416.4	149,800*	320
330				19.7	326.9	83,000*	28.7	365.7	100,100*	35.5	389.7	118,600*	41.1	405.2	138,100*	330
340				12.6	291.0	75,900*	24.4	345.1	91,200*	32.0	374.4	108,400*	38.0	392.9	127,000*	340
350							19.1	319.2	83,100*	28.1	356.7	99,000*	34.7	379.0	116,500*	350
360							11.5	281.0	76,100*	23.6	335.4	90,300*	31.2	363.2	106,600*	360
370										18.1	308.3	82,400*	27.2	344.8	97,400*	370
380										9.8	265.9	75,900*	22.5	322.5	88,900*	380
390													16.6	293.4	81,300*	390
400													6.6	241.9	75,400*	400

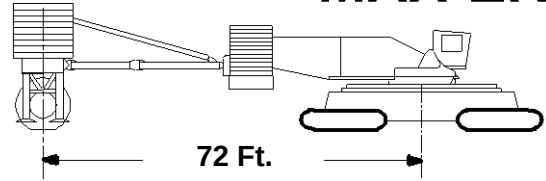
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
 Boom No. 80 With 140 Ft. Mast No. 81
 494,700 Lb. Crane Counterweight
 200,000 Lb. Carbody Counterweight
 1,124,000 Lb. Wheeled Counterweight
 at 72 Ft. Position
 Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



240 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65			c													65
70			c													70
75			c													75
80			c													80
85	63.8	357.6	713,500*b													85
90	61.1	354.8	693,000*b													90
95	58.3	351.7	671,700*b													95
100	55.4	348.2	636,800*b													100
105	52.4	344.4	602,800*b	64.3	355.1	729,900*b										105
110	49.2	340.0	570,400*	61.6	352.4	711,100*b										110
115	45.9	335.2	539,600*	58.8	349.3	692,200*b										115
120	42.4	329.8	510,900*	55.9	345.9	673,400*b										120
125	38.6	323.6	484,100*	52.9	342.1	654,900*b	64.6	350.6	696,900*b							125
130	34.4	316.4	459,600*	49.8	337.9	636,900*	61.9	347.9	668,600*b							130
135	29.7	307.9	437,600*	46.5	333.2	619,300*	59.1	344.9	642,300*b							135
140	24.1	297.3	418,500*	43.0	327.8	602,300*	56.2	341.6	617,800*b							140
145	16.7	282.6	403,800*	39.3	321.8	586,000*	53.3	337.8	594,900*b							145
150				35.2	314.8	570,200*	50.2	333.6	573,500*							150
155				30.6	306.6	542,500*	46.9	329.0	553,300*	59.2	338.4	531,300*b				155
160				25.2	296.5	516,300*	43.4	323.7	534,400*	56.3	335.1	513,200*b				160
165				18.2	282.8	493,200*	39.7	317.7	516,500*	53.3	331.3	496,100*b				165
170				2.9	251.3	415,100*	35.7	310.9	499,600*	50.2	327.2	480,000*				170
175							31.1	302.8	483,500*	46.9	322.5	464,800*				175
180							25.9	293.0	468,100*	43.5	317.3	450,300*				180
185							19.2	279.9	453,200*	39.8	311.3	436,600*	53.0	322.6	418,900*b	185
190							7.3	255.6	438,100*	35.7	304.5	423,400*	49.8	318.4	406,500*	190
195										31.2	296.4	410,900*	46.6	313.7	394,600*	195
200										25.9	286.6	398,800*	43.1	308.3	383,300*	200
205										19.3	273.6	387,000*	39.3	302.3	372,400*	205
210										7.7	249.8	374,900*	35.2	295.3	362,000*	210
215													30.6	287.1	352,000*	215
220													25.3	277.0	342,200*	220
225													18.4	263.5	332,600*	225
230													3.9	233.8	322,200*	230

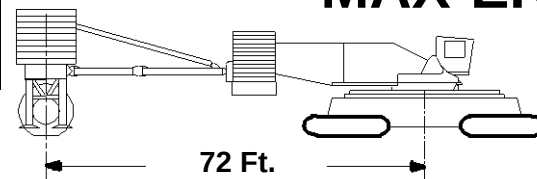
Capacities indicated by (b) require
 37,000 Lb. minimum weight suspended
 beneath luffing jib point.

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

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



21000
MAX-ER

240 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70			c													70
75			c													75
80			c													80
85	67.8	379.8	673,300*b													85
90	65.6	377.5	655,800*b													90
95	63.3	374.9	634,400*b													95
100	60.9	372.1	605,200*b													100
105	58.5	369.0	576,600*b	68.2	377.2	687,500*b										105
110	56.1	365.7	548,300*	66.0	374.9	673,300*b										110
115	53.5	362.0	520,900*	63.7	372.4	658,000*b										115
120	50.9	357.9	494,500*	61.4	369.7	642,400*b										120
125	48.1	353.4	469,400*	59.0	366.7	626,400*b										125
130	45.3	348.5	445,500*	56.5	363.3	611,000*										130
135	42.2	343.0	423,200*	54.0	359.7	595,600*	64.0	368.0	637,900*b							135
140	39.0	336.9	402,300*	51.4	355.7	580,500*	61.6	365.3	613,500*b							140
145	35.5	329.9	383,000*	48.6	351.3	565,700*	59.3	362.3	590,800*b							145
150	31.7	322.0	365,400*	45.8	346.4	551,300*	56.8	359.0	569,600*							150
155	27.3	312.7	349,400*	42.8	341.1	535,400*	54.3	355.4	549,600*							155
160	22.2	301.1	335,900*	39.6	335.1	509,600*	51.7	351.4	530,900*							160
165	15.3	285.1	325,300*	36.2	328.3	484,900*	49.0	347.0	513,200*	59.3	355.8	491,600*b				165
170				32.4	320.6	461,600*	46.1	342.2	496,600*	56.8	352.5	475,700*				170
175				28.2	311.5	439,900*	43.1	336.9	480,800*	54.3	348.9	460,600*				175
180				23.2	300.5	419,900*	40.0	331.0	465,800*	51.7	344.9	446,400*				180
185				16.8	285.6	402,500*	36.6	324.4	451,600*	49.0	340.6	432,800*				185
190				2.5	251.2	369,400*	32.8	316.7	438,000*	46.2	335.8	420,000*				190
195							28.7	307.9	425,100*	43.2	330.5	407,700*	54.0	340.2	390,100*	195
200							23.8	297.1	412,600*	40.0	324.6	396,000*	51.4	336.2	379,000*	200
205							17.6	282.8	400,400*	36.6	317.9	384,800*	48.7	331.8	368,400*	205
210							6.6	256.5	388,000*	32.9	310.3	374,100*	45.8	326.9	358,200*	210
215										28.7	301.5	363,800*	42.8	321.6	348,500*	215
220										23.9	290.7	353,800*	39.6	315.6	339,200*	220
225										17.7	276.5	344,000*	36.2	308.8	330,200*	225
230										7.0	250.8	333,800*	32.4	301.1	321,500*	230
235													28.2	292.1	313,100*	235
240													23.3	281.0	305,000*	240
245													16.9	266.3	296,900*	245
250													3.5	234.0	288,000*	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).

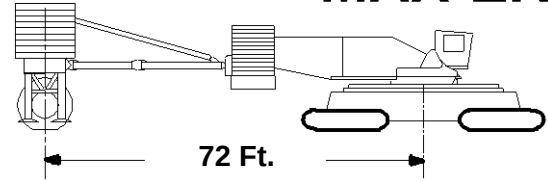
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

240 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
75			c													75
80			c													80
85	70.7	401.3	636,800*b													85
90	68.8	399.4	616,100*b													90
95	66.9	397.2	594,000*b													95
100	64.9	394.8	571,000*b													100
105	62.9	392.3	547,500*b													105
110	60.8	389.4	523,900*	69.2	396.8	638,500*b										110
115	58.7	386.4	500,500*	67.2	394.6	626,800*b										115
120	56.6	383.1	477,400*	65.3	392.3	614,400*b										120
125	54.4	379.5	455,000*	63.2	389.8	601,000*b										125
130	52.1	375.6	433,400*	61.2	387.0	588,200*										130
135	49.8	371.3	412,700*	59.1	384.0	574,900*										135
140	47.3	366.7	393,000*	57.0	380.7	561,600*										140
145	44.8	361.7	374,300*	54.8	377.2	548,500*	63.5	385.3	587,600*b							145
150	42.1	356.2	356,700*	52.5	373.3	535,600*	61.4	382.6	566,500*							150
155	39.3	350.1	340,200*	50.2	369.2	522,600*	59.3	379.6	546,700*							155
160	36.3	343.4	324,800*	47.8	364.6	502,900*	57.2	376.4	528,000*							160
165	33.1	335.9	310,600*	45.2	359.7	480,400*	55.0	372.8	510,500*							165
170	29.5	327.2	297,600*	42.6	354.3	458,600*	52.8	369.0	494,000*							170
175	25.4	317.1	285,900*	39.8	348.3	437,600*	50.5	364.9	478,300*	59.4	373.1	457,400*				175
180	20.6	304.6	275,900*	36.9	341.7	417,500*	48.0	360.4	463,500*	57.2	369.9	443,200*				180
185	14.2	287.4	268,400*	33.7	334.3	398,300*	45.5	355.5	449,500*	55.1	366.4	429,800*				185
190				30.2	325.9	380,300*	42.9	350.2	436,100*	52.8	362.5	417,100*				190
195				26.2	316.1	363,500*	40.2	344.3	423,400*	50.5	358.4	405,000*				195
200				21.6	304.2	348,100*	37.2	337.7	411,300*	48.1	353.9	393,400*				200
205				15.6	288.2	334,700*	34.0	330.5	399,700*	45.6	349.0	382,400*	54.8	357.7	365,200*	205
210				2.1	251.1	325,000*	30.6	322.2	388,600*	43.0	343.7	371,900*	52.5	353.8	355,100*	210
215							26.7	312.5	377,900*	40.2	337.8	361,800*	50.2	349.7	345,500*	215
220							22.2	300.9	367,600*	37.3	331.3	352,100*	47.8	345.1	336,400*	220
225							16.4	285.6	357,500*	34.1	324.0	342,900*	45.3	340.2	327,500*	225
230							6.1	257.4	347,100*	30.6	315.8	333,900*	42.6	334.8	319,100*	230
235										26.8	306.2	325,300*	39.9	328.8	311,000*	235
240										22.2	294.5	316,900*	36.9	322.2	303,100*	240
245										16.5	279.3	308,600*	33.7	314.9	295,600*	245
250										6.4	251.7	299,900*	30.2	306.5	288,200*	250
260													21.6	284.8	274,100*	260
270													3.1	234.2	259,500*	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).

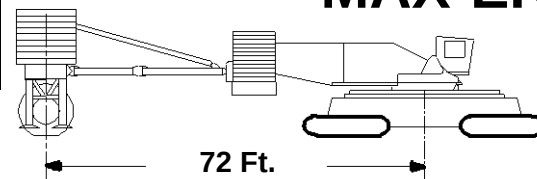
Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

**21000
MAX-ER**

**at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**



240 Ft. Boom, 180 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
80																80
85	73.0	422.5	562,600*(b)													85
90	71.3	420.8	562,600*(b)													90
95	69.6	418.9	550,200*(b)													95
100	67.9	416.8	532,800*(b)													100
105	66.1	414.6	514,500*(b)													105
110	64.4	412.2	495,500*													110
115	62.6	409.6	476,300*	69.9	416.3	584,500*(b)										115
120	60.7	406.8	457,100*	68.2	414.3	575,400*(b)										120
125	58.9	403.7	437,900*	66.4	412.1	565,500*(b)										125
130	57.0	400.5	419,200*	64.7	409.7	555,100*										130
135	55.0	396.9	400,800*	62.9	407.1	544,400*										135
140	53.0	393.2	383,000*	61.1	404.3	533,400*										140
145	51.0	389.1	365,900*	59.2	401.3	522,300*										145
150	48.9	384.8	349,400*	57.3	398.1	511,200*	64.9	405.2	556,000*							150
155	46.7	380.0	333,800*	55.4	394.6	500,100*	63.1	402.6	542,000*							155
160	44.4	375.0	318,900*	53.4	390.9	489,100*	61.3	399.9	523,500*							160
165	42.0	369.4	304,900*	51.4	386.9	471,100*	59.4	396.9	506,100*							165
170	39.5	363.4	291,600*	49.3	382.6	452,100*	57.5	393.7	489,600*							170
175	36.9	356.8	279,200*	47.1	378.0	433,400*	55.6	390.3	474,100*							175
180	34.1	349.5	267,600*	44.8	372.9	415,000*	53.6	386.6	459,400*							180
185	31.1	341.4	256,900*	42.5	367.5	397,200*	51.6	382.6	445,500*	59.4	390.4	425,000*				185
190	27.7	332.1	247,100*	40.0	361.6	380,000*	49.5	378.3	432,200*	57.6	387.2	412,400*				190
195	23.9	321.2	238,400*	37.4	355.1	363,400*	47.3	373.7	419,700*	55.6	383.8	400,400*				195
200	19.4	307.9	230,900*	34.6	347.9	347,700*	45.1	368.8	407,700*	53.7	380.1	389,000*				200
205	13.3	289.6	225,400*	31.6	340.0	332,700*	42.7	363.4	396,300*	51.6	376.1	378,000*				205
210				28.3	330.9	318,600*	40.3	357.5	385,300*	49.5	371.9	367,600*				210
215				24.6	320.4	305,500*	37.7	351.1	374,900*	47.4	367.3	357,700*				215
220				20.3	307.6	293,500*	35.0	344.0	364,900*	45.1	362.3	348,200*	53.4	371.4	331,600*	220
225				14.6	290.6	283,000*	32.0	336.2	355,200*	42.8	356.9	339,000*	51.4	367.4	322,900*	225
230				1.9	251.0	295,700*	28.7	327.2	346,000*	40.3	351.1	330,300*	49.3	363.1	314,600*	230
235							25.1	316.9	337,000*	37.7	344.7	321,900*	47.1	358.5	306,600*	235
240							20.8	304.5	328,300*	35.0	337.6	313,700*	44.9	353.4	298,900*	240
245							15.4	288.1	319,800*	32.0	329.7	305,900*	42.5	348.0	291,500*	245
250							5.7	258.2	310,900*	28.8	320.8	298,300*	40.0	342.1	284,300*	250
260										20.9	298.1	283,800*	34.7	328.5	270,800*	260
270										6.0	252.5	269,300*	28.4	311.5	258,000*	270
280													20.3	288.2	245,900*	280
290													2.8	234.4	233,200*	290

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

494,700 Lb. Crane Counterweight

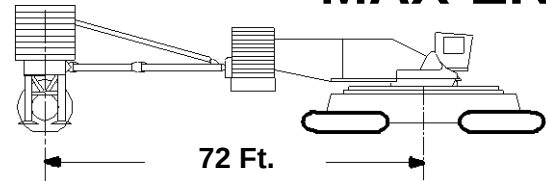
200,000 Lb. Carbody Counterweight

1,124,000 Lb. Wheeled Counterweight

at 72 Ft. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



240 Ft. Boom, 200 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
85	74.7	443.4	496,400*													85
90	73.2	441.9	496,400*													90
95	71.7	440.2	496,400*													95
100	70.2	438.4	492,900*													100
105	68.7	436.4	479,100*													105
110	67.1	434.3	464,400*													110
115	65.5	432.0	449,200*													115
120	63.9	429.5	433,600*													120
125	62.3	426.9	417,700*	68.9	433.8	528,400*										125
130	60.7	424.1	401,900*	67.4	431.7	526,600*										130
135	59.0	421.1	386,200*	65.8	429.5	518,300*										135
140	57.3	417.8	370,800*	64.2	427.0	509,500*										140
145	55.5	414.4	355,600*	62.6	424.4	500,400*										145
150	53.8	410.7	340,900*	61.0	421.6	491,000*										150
155	51.9	406.8	326,600*	59.3	418.7	481,700*										155
160	50.1	402.6	312,800*	57.6	415.5	470,500*	64.4	422.6	510,100*							160
165	48.2	398.1	299,600*	55.9	412.1	455,200*	62.8	420.0	502,600*							165
170	46.2	393.3	287,000*	54.1	408.4	439,700*	61.1	417.2	486,300*							170
175	44.1	388.2	275,000*	52.3	404.6	424,000*	59.5	414.2	470,800*							175
180	42.0	382.7	263,600*	50.4	400.4	408,200*	57.8	411.1	456,200*							180
185	39.7	376.7	252,900*	48.5	396.0	392,600*	56.1	407.7	442,300*							185
190	37.4	370.2	242,700*	46.5	391.3	377,200*	54.3	404.1	429,100*							190
195	34.9	363.1	233,200*	44.5	386.2	362,100*	52.5	400.2	416,600*	59.5	407.7	396,800*				195
200	32.3	355.3	224,400*	42.4	380.7	347,400*	50.6	396.1	404,700*	57.8	404.6	385,500*				200
205	29.4	346.6	216,200*	40.2	374.8	333,200*	48.7	391.8	393,400*	56.1	401.2	374,600*				205
210	26.2	336.7	208,700*	37.8	368.4	319,500*	46.8	387.1	382,600*	54.3	397.6	364,300*				210
215	22.6	325.2	202,000*	35.4	361.5	306,400*	44.7	382.0	372,200*	52.5	393.8	354,400*				215
220	18.3	311.1	196,300*	32.7	353.8	293,900*	42.6	376.6	362,300*	50.7	389.7	345,000*				220
225	12.6	291.7	192,000*	29.9	345.3	282,100*	40.4	370.8	352,800*	48.8	385.3	335,900*				225
230				26.8	335.6	271,000*	38.1	364.4	343,700*	46.8	380.6	327,300*	54.1	388.9	311,100*	230
235				23.3	324.4	260,600*	35.7	357.5	335,000*	44.8	375.6	318,900*	52.3	385.0	303,100*	235
240				19.2	310.9	251,100*	33.1	349.9	326,500*	42.6	370.1	310,900*	50.4	380.9	295,500*	240
245				13.8	292.9	242,800*	30.3	341.5	318,400*	40.4	364.3	303,300*	48.5	376.5	288,200*	245
250				1.7	250.9	262,200*	27.2	332.0	310,600*	38.1	358.0	295,800*	46.6	371.8	281,100*	250
260							19.7	307.8	295,500*	33.1	343.5	281,800*	42.4	361.2	267,800*	260
270							5.3	258.9	280,500*	27.2	325.6	268,600*	37.9	349.0	255,400*	270
280										19.7	301.5	256,100*	32.8	334.3	243,700*	280
290										5.6	253.3	243,400*	26.8	316.2	232,700*	290
300													19.2	291.5	222,100*	300
310													2.6	234.6	211,000*	310

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

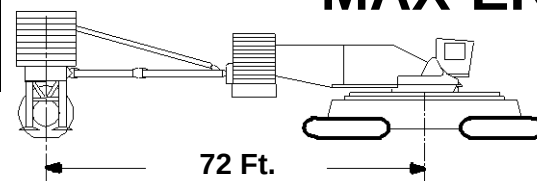
Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

**21000
MAX-ER**

**at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**



240 Ft. Boom, 220 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
90	74.8	462.8	438,100*													90
95	73.4	461.3	438,100*													95
100	72.1	459.7	438,100*													100
105	70.7	457.9	438,100*													105
110	69.3	456.0	430,700*													110
115	67.9	453.9	419,100*													115
120	66.5	451.7	406,800*													120
125	65.0	449.4	394,200*													125
130	63.6	446.9	381,300*	69.5	453.4	460,400*										130
135	62.1	444.2	368,200*	68.1	451.4	460,400*										135
140	60.6	441.4	355,200*	66.7	449.2	460,400*										140
145	59.1	438.4	342,200*	65.3	446.9	460,400*										145
150	57.5	435.2	329,400*	63.8	444.4	460,400*										150
155	56.0	431.8	316,900*	62.4	441.8	453,600*										155
160	54.4	428.2	304,700*	60.9	439.0	443,200*										160
165	52.7	424.4	292,700*	59.4	436.0	432,100*										165
170	51.0	420.3	281,100*	57.8	432.8	420,300*	64.0	439.9	467,000*							170
175	49.3	416.1	270,000*	56.2	429.5	408,000*	62.5	437.3	462,400*							175
180	47.6	411.5	259,300*	54.6	425.9	395,300*	61.0	434.5	451,600*							180
185	45.7	406.6	249,000*	53.0	422.1	382,400*	59.5	431.6	437,800*							185
190	43.9	401.4	239,300*	51.3	418.1	369,400*	58.0	428.4	424,700*							190
195	41.9	395.9	230,000*	49.6	413.9	356,300*	56.4	425.1	412,300*							195
200	39.9	389.9	221,100*	47.9	409.4	343,400*	54.8	421.6	400,400*							200
205	37.8	383.5	212,800*	46.1	404.6	330,700*	53.2	417.8	389,100*	59.5	425.1	369,800*				205
210	35.6	376.6	204,900*	44.2	399.4	318,200*	51.5	413.8	378,400*	58.0	421.9	359,500*				210
215	33.2	369.0	197,600*	42.3	394.0	306,100*	49.8	409.6	368,100*	56.4	418.6	349,700*				215
220	30.7	360.7	190,700*	40.3	388.1	294,300*	48.1	405.1	358,300*	54.9	415.1	340,400*				220
225	27.9	351.5	184,300*	38.2	381.8	282,900*	46.3	400.4	348,900*	53.2	411.3	331,400*				225
230	24.9	341.1	178,500*	36.0	374.9	272,000*	44.4	395.3	339,900*	51.6	407.4	322,800*				230
235	21.5	328.9	173,300*	33.6	367.5	261,600*	42.5	389.8	331,200*	49.9	403.1	314,500*				235
240	17.4	314.0	168,900*	31.1	359.3	251,600*	40.5	384.0	322,900*	48.1	398.7	306,600*	54.7	406.4	290,600*	240
245	12.0	293.7	165,700*	28.5	350.3	242,100*	38.4	377.7	314,900*	46.3	393.9	299,000*	53.0	402.6	283,400*	245
250				25.5	340.1	233,200*	36.2	371.0	307,200*	44.5	388.8	291,700*	51.4	398.6	276,400*	250
260				18.2	314.0	217,400*	31.4	355.5	292,600*	40.5	377.5	277,800*	47.9	389.9	263,200*	260
270				1.5	250.8	229,000*	25.8	336.6	278,900*	36.3	364.5	264,900*	44.2	379.9	251,000*	270
280							18.7	311.1	265,900*	31.5	349.1	252,800*	40.3	368.6	239,500*	280
290							5.0	259.6	252,600*	25.9	330.2	241,400*	36.0	355.4	228,800*	290
300										18.8	304.7	230,500*	31.2	339.9	218,600*	300
310										5.3	254.0	219,400*	25.5	320.7	209,000*	310
320													18.3	294.7	199,700*	320
330													2.4	234.8	189,800*	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

494,700 Lb. Crane Counterweight

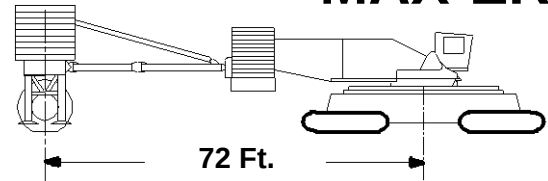
200,000 Lb. Carbody Counterweight

1,124,000 Lb. Wheeled Counterweight

at 72 Ft. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



240 Ft. Boom, 240 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
95	74.9	482.2	388,600*													95
100	73.6	480.7	388,600*													100
105	72.4	479.1	388,600*													105
110	71.1	477.3	388,600*													110
115	69.8	475.5	388,600*													115
120	68.5	473.5	379,400*													120
125	67.2	471.4	369,700*													125
130	65.9	469.1	359,500*													130
135	64.6	466.8	349,100*													135
140	63.3	464.2	338,400*	68.8	470.9	408,200*										140
145	61.9	461.5	327,700*	67.5	468.8	408,200*										145
150	60.5	458.7	317,200*	66.2	466.6	408,200*										150
155	59.2	455.7	306,200*	64.9	464.2	408,200*										155
160	57.7	452.5	295,600*	63.5	461.7	408,200*										160
165	56.3	449.2	285,300*	62.2	459.1	405,000*										165
170	54.8	445.7	275,100*	60.8	456.3	396,700*										170
175	53.4	441.9	265,100*	59.4	453.3	387,800*	65.0	459.8	406,100*							175
180	51.8	438.0	255,400*	58.0	450.2	378,200*	63.7	457.3	406,100*							180
185	50.3	433.9	246,000*	56.6	446.9	368,300*	62.3	454.6	406,100*							185
190	48.7	429.5	236,900*	55.1	443.4	358,000*	61.0	451.8	406,100*							190
195	47.1	424.8	228,100*	53.6	439.7	347,500*	59.6	448.9	406,100*							195
200	45.4	419.9	219,700*	52.1	435.8	336,800*	58.2	445.8	396,600*							200
205	43.7	414.7	211,700*	50.6	431.7	326,000*	56.7	442.5	385,400*							205
210	41.9	409.1	204,000*	49.0	427.3	315,300*	55.3	439.0	374,700*							210
215	40.0	403.2	196,700*	47.4	422.7	304,600*	53.8	435.3	364,400*	59.6	442.4	345,700*				215
220	38.1	396.8	189,800*	45.7	417.8	294,100*	52.3	431.5	354,700*	58.2	439.3	336,400*				220
225	36.1	390.0	183,200*	44.0	412.7	283,800*	50.7	427.4	345,300*	56.8	436.0	327,400*				225
230	34.0	382.7	177,000*	42.2	407.2	273,700*	49.2	423.1	336,300*	55.3	432.5	318,900*				230
235	31.7	374.7	171,200*	40.4	401.3	263,900*	47.6	418.5	327,700*	53.8	428.9	310,700*				235
240	29.3	365.9	165,800*	38.5	395.1	254,400*	45.9	413.6	319,500*	52.3	425.0	302,800*				240
245	26.7	356.2	160,800*	36.5	388.3	245,300*	44.2	408.5	311,500*	50.8	420.9	295,200*				245
250	23.8	345.2	156,200*	34.4	381.1	236,500*	42.4	403.1	303,900*	49.2	416.6	288,000*				250
260	16.6	316.9	148,800*	29.8	364.6	220,100*	38.7	391.0	289,400*	45.9	407.2	274,200*	52.1	416.3	259,300*	260
270				24.4	344.4	205,300*	34.6	377.2	276,000*	42.4	396.6	261,400*	49.0	407.8	247,100*	270
280				17.4	317.0	192,700*	30.0	360.9	263,400*	38.7	384.6	249,500*	45.7	398.3	235,800*	280
290				1.3	250.7	189,800*	24.7	340.9	251,500*	34.6	370.8	238,300*	42.2	387.7	225,100*	290
300							17.9	314.1	240,200*	30.1	354.5	227,800*	38.5	375.6	215,200*	300
310							4.8	260.3	211,800*	24.7	334.5	217,800*	34.4	361.6	205,800*	310
320										17.9	307.8	208,200*	29.8	345.2	196,900*	320
330										5.0	254.8	198,300*	24.4	324.9	188,400*	330
340													17.5	297.7	180,200*	340
350													2.3	235.0	171,300*	350

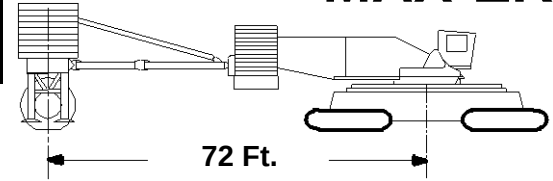
Capacities indicated by (b) require
37,000 Lb. minimum weight suspended
beneath luffing jib point.

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**



240 Ft. Boom, 260 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
100	74.9	501.5	342,700*													100
105	73.8	500.1	342,700*													105
110	72.6	498.5	342,700*													110
115	71.4	496.8	342,700*													115
120	70.3	495.0	342,700*													120
125	69.1	493.1	342,200*													125
130	67.9	491.0	334,600*													130
135	66.7	488.8	326,600*													135
140	65.5	486.5	318,200*													140
145	64.3	484.1	309,600*	69.3	490.5	356,000*										145
150	63.0	481.6	300,800*	68.1	488.4	356,000*										150
155	61.8	478.9	292,200*	66.9	486.3	356,000*										155
160	60.5	476.0	283,300*	65.7	484.0	356,000*										160
165	59.2	473.0	274,400*	64.5	481.6	356,000*										165
170	57.9	469.9	265,600*	63.2	479.1	356,000*										170
175	56.6	466.6	256,800*	62.0	476.4	356,000*										175
180	55.3	463.1	248,100*	60.7	473.6	354,500*										180
185	53.9	459.5	239,700*	59.5	470.6	347,300*	64.6	477.1	355,500*							185
190	52.5	455.6	231,600*	58.2	467.5	339,900*	63.4	474.6	355,500*							190
195	51.1	451.6	223,600*	56.8	464.2	332,000*	62.1	472.0	355,500*							195
200	49.6	447.3	215,900*	55.5	460.8	323,600*	60.9	469.2	354,900*							200
205	48.2	442.9	208,400*	54.1	457.2	315,100*	59.6	466.2	349,100*							205
210	46.6	438.1	201,100*	52.8	453.4	306,300*	58.3	463.1	342,800*							210
215	45.1	433.2	194,100*	51.3	449.4	297,500*	57.0	459.9	335,700*							215
220	43.5	427.9	187,400*	49.9	445.2	288,500*	55.7	456.4	328,100*							220
225	41.8	422.3	181,000*	48.4	440.7	279,600*	54.3	452.8	320,300*	59.6	459.7	321,000*				225
230	40.1	416.4	174,900*	46.9	436.0	270,800*	52.9	449.0	312,300*	58.3	456.6	314,200*				230
235	38.4	410.1	169,100*	45.4	431.1	262,000*	51.5	445.1	304,100*	57.0	453.4	306,000*				235
240	36.5	403.4	163,500*	43.8	425.9	253,400*	50.1	440.9	295,900*	55.7	449.9	298,200*				240
245	34.6	396.3	158,300*	42.1	420.4	244,800*	48.6	436.5	287,600*	54.3	446.3	290,700*				245
250	32.6	388.5	153,300*	40.5	414.6	236,600*	47.1	431.8	279,400*	52.9	442.6	283,500*				250
260	28.1	370.9	144,300*	36.9	401.7	220,900*	44.0	421.8	263,200*	50.1	434.4	269,800*				260
270	22.8	349.2	136,700*	32.9	387.0	206,200*	40.6	410.5	247,600*	47.1	425.4	257,100*	52.8	433.8	242,400*	270
280	15.9	319.6	130,800*	28.5	369.7	192,800*	37.1	397.7	232,800*	44.0	415.3	245,300*	49.9	425.6	231,100*	280
290				23.4	348.4	180,800*	33.2	383.1	218,700*	40.7	404.0	234,300*	46.9	416.5	220,600*	290
300				16.7	319.9	170,500*	28.8	366.0	205,600*	37.1	391.3	223,900*	43.8	406.4	210,800*	300
310				1.2	250.6	165,600*	23.7	345.0	193,600*	33.2	376.7	214,100*	40.5	395.1	201,500*	310
320							17.1	317.1	182,900*	28.8	359.6	204,900*	36.9	382.2	192,800*	320
330							4.5	260.9	175,000*	23.7	338.7	195,100*	33.0	367.5	184,500*	330
340										17.2	310.8	184,300*	28.6	350.2	176,700*	340
350										4.8	255.5	176,400*	23.4	329.0	169,100*	350
360													16.7	300.5	161,800*	360
370													2.1	235.1	153,800*	370

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 Ft. Mast No. 81

494,700 Lb. Crane Counterweight

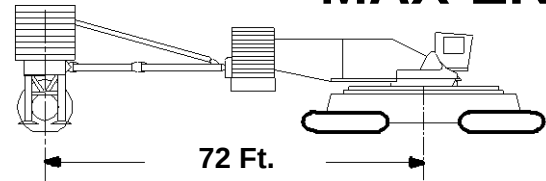
200,000 Lb. Carbody Counterweight

1,124,000 Lb. Wheeled Counterweight

at 72 Ft. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



240 Ft. Boom, 280 Ft. Jib

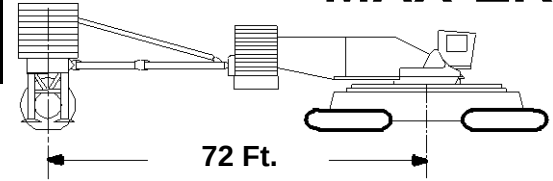
Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
105	75.0	520.9	303,900*													105
110	73.9	519.4	303,900*													110
115	72.8	517.9	303,900*													115
120	71.7	516.2	303,900*													120
125	70.7	514.5	303,900*													125
130	69.6	512.6	303,900*													130
135	68.5	510.6	303,000*													135
140	67.3	508.5	296,600*													140
145	66.2	506.3	289,900*													145
150	65.1	503.9	282,900*	69.8	510.0	312,000*										150
155	64.0	501.5	275,800*	68.7	508.0	312,000*										155
160	62.8	498.9	268,500*	67.5	505.9	312,000*										160
165	61.6	496.2	261,300*	66.4	503.7	312,000*										165
170	60.5	493.3	253,900*	65.3	501.4	312,000*										170
175	59.3	490.4	246,500*	64.2	499.0	312,000*										175
180	58.1	487.2	239,100*	63.0	496.4	312,000*										180
185	56.8	484.0	231,800*	61.9	493.7	312,000*										185
190	55.6	480.5	224,600*	60.7	490.9	304,300*										190
195	54.3	476.9	217,500*	59.5	488.0	296,200*	64.3	494.5	311,500*							195
200	53.1	473.2	210,500*	58.3	484.9	288,000*	63.1	492.0	311,500*							200
205	51.8	469.2	203,500*	57.1	481.6	279,700*	62.0	489.3	306,200*							205
210	50.4	465.1	197,000*	55.8	478.2	271,400*	60.8	486.5	300,300*							210
215	49.1	460.8	190,600*	54.6	474.6	263,000*	59.6	483.5	293,800*							215
220	47.7	456.2	184,400*	53.3	470.9	254,700*	58.4	480.5	287,100*							220
225	46.3	451.4	178,300*	52.0	467.0	246,600*	57.2	477.2	279,900*							225
230	44.8	446.4	172,500*	50.7	462.9	238,700*	56.0	473.8	272,400*							230
235	43.3	441.1	166,900*	49.3	458.6	230,800*	54.7	470.3	264,500*	59.6	477.0	278,400*				235
240	41.8	435.6	161,500*	48.0	454.1	223,300*	53.4	466.6	256,700*	58.4	474.0	275,600*				240
245	40.2	429.7	156,300*	46.5	449.4	215,800*	52.1	462.7	248,900*	57.2	470.7	270,800*				245
250	38.6	423.4	151,400*	45.1	444.4	208,400*	50.8	458.6	241,100*	56.0	467.3	265,300*				250
260	35.1	409.8	142,200*	42.1	433.6	194,100*	48.1	449.9	225,900*	53.5	460.1	252,900*				260
270	31.3	394.1	134,000*	38.9	421.6	181,000*	45.3	440.2	211,100*	50.8	452.1	239,200*				270
280	27.0	375.7	126,700*	35.5	408.1	168,400*	42.3	429.5	197,000*	48.1	443.4	225,200*	53.3	451.4	227,400*	280
290	22.0	353.0	120,500*	31.7	392.7	156,600*	39.1	417.6	183,600*	45.3	433.7	211,200*	50.7	443.4	217,000*	290
300	15.3	322.2	115,800*	27.4	374.5	145,700*	35.7	404.2	171,000*	42.3	423.0	197,500*	48.0	434.6	207,200*	300
310				22.5	352.4	135,700*	31.9	388.8	159,100*	39.1	411.1	184,400*	45.1	424.9	198,100*	310
320				16.0	322.6	126,900*	27.7	370.9	148,000*	35.7	397.7	171,900*	42.1	414.1	189,400*	320
330							22.8	349.0	137,900*	31.9	382.4	160,100*	38.9	402.1	181,300*	330
340							16.5	319.9	128,900*	27.7	364.5	149,200*	35.5	388.6	171,400*	340
350							4.4	261.6	122,300*	22.8	342.6	139,100*	31.7	373.2	159,900*	350
360										16.5	313.6	130,100*	27.5	355.1	149,200*	360
370										4.6	256.1	123,300*	22.5	333.0	139,300*	370
380													16.1	303.3	130,400*	380
390													2.0	235.3	124,100*	390

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**



240 Ft. Boom, 300 Ft. Jib

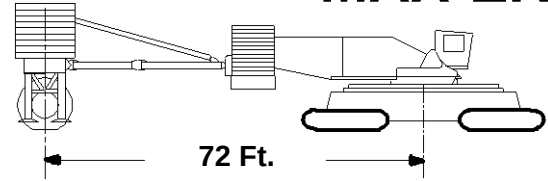
Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
110	75.0	540.3	269,000*													110
115	74.0	538.8	269,000*													115
120	73.0	537.3	269,000*													120
125	72.0	535.6	269,000*													125
130	71.0	533.9	269,000*													130
135	70.0	532.1	269,000*													135
140	68.9	530.1	269,000*													140
145	67.9	528.1	268,700*													145
150	66.9	525.9	263,300*													150
155	65.8	523.7	257,700*													155
160	64.8	521.3	251,900*	69.1	527.5	275,300*										160
165	63.7	518.8	246,000*	68.1	525.5	275,300*										165
170	62.6	516.2	240,100*	67.1	523.4	275,300*										170
175	61.5	513.5	234,000*	66.0	521.1	275,300*										175
180	60.4	510.7	227,900*	65.0	518.8	275,300*										180
185	59.3	507.7	221,700*	63.9	516.3	272,500*										185
190	58.2	504.6	215,500*	62.8	513.8	264,900*										190
195	57.1	501.3	209,400*	61.7	511.1	257,100*										195
200	55.9	497.9	203,300*	60.6	508.2	249,100*										200
205	54.7	494.4	197,300*	59.5	505.3	241,400*	64.0	511.9	265,200*							205
210	53.6	490.7	191,400*	58.4	502.2	233,400*	62.9	509.3	259,500*							210
215	52.3	486.8	185,600*	57.3	499.0	225,500*	61.9	506.6	253,300*							215
220	51.1	482.8	179,900*	56.1	495.6	217,600*	60.8	503.8	247,000*							220
225	49.9	478.6	174,400*	55.0	492.1	209,900*	59.7	500.9	240,100*							225
230	48.6	474.2	168,900*	53.8	488.4	202,000*	58.5	497.8	233,000*							230
235	47.3	469.6	162,300*	52.6	484.6	194,700*	57.4	494.6	225,700*							235
240	46.0	464.7	155,900*	51.3	480.6	187,500*	56.2	491.2	218,400*							240
245	44.6	459.7	149,800*	50.1	476.4	180,300*	55.1	487.7	211,100*	59.7	494.4	230,100*				245
250	43.2	454.4	143,700*	48.8	472.0	173,300*	53.9	484.1	203,500*	58.5	491.3	225,000*				250
260	40.3	442.9	132,000*	46.2	462.7	159,900*	51.5	476.3	189,100*	56.3	484.7	213,600*				260
270	37.2	430.2	120,900*	43.5	452.4	147,100*	49.0	467.8	175,200*	53.9	477.6	201,000*				270
280	33.9	415.8	110,700*	40.6	441.0	135,100*	46.4	458.5	161,800*	51.5	469.8	187,900*				280
290	30.2	399.5	101,000*	37.5	428.4	123,900*	43.6	448.2	149,000*	49.0	461.3	174,500*	53.8	468.9	193,200*	290
300	26.1	380.3	92,100*	34.2	414.3	113,300*	40.8	436.9	137,000*	46.4	452.0	161,600*	51.4	461.1	182,800*	300
310	21.2	356.7	83,900*	30.6	398.1	103,500*	37.7	424.4	125,700*	43.6	441.8	149,200*	48.8	452.5	171,400*	310
320	14.8	324.7	76,600*	26.5	379.2	94,300*	34.4	410.3	115,000*	40.8	430.5	137,300*	46.2	443.2	159,600*	320
330				21.7	356.1	85,800*	30.8	394.3	105,100*	37.7	418.0	126,300*	43.5	432.9	147,900*	330
340				15.5	325.3	78,300*	26.7	375.6	95,900*	34.4	403.9	115,700*	40.6	421.5	136,500*	340
350							22.0	352.8	87,400*	30.8	387.9	105,800*	37.5	408.9	125,500*	350
360							15.9	322.6	79,700*	26.8	369.2	96,600*	34.2	394.8	115,200*	360
370							4.2	262.2	73,900*	22.0	346.5	88,100*	30.6	378.6	105,400*	370
380										15.9	316.3	80,500*	26.5	359.8	96,300*	380
390										4.4	256.8	74,600*	21.7	336.7	87,900*	390
400													15.5	305.9	80,500*	400
410													1.9	235.5	75,100*	410

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



260 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70			c													70
75			c													75
80			c													80
85	64.8	378.4	661,200*b													85
90	62.1	375.7	642,600*b													90
95	59.3	372.7	616,200*b													95
100	56.4	369.4	585,700*b													100
105	53.4	365.7	555,900*b													105
110	50.3	361.5	527,200*b	63.5	374.0	662,400*b										110
115	47.1	356.9	499,900*	60.8	371.2	645,500*b										115
120	43.6	351.7	474,100*	57.9	368.0	628,500*b										120
125	39.9	345.7	450,100*	55.0	364.5	611,300*b										125
130	35.9	338.9	427,600*	52.0	360.6	594,700*b	64.7	370.0	658,800*b							130
135	31.4	331.0	407,900*	48.8	356.2	578,900*	62.0	367.4	632,900*b							135
140	26.2	321.2	390,200*	45.5	351.3	563,200*	59.2	364.4	608,700*b							140
145	19.6	308.4	375,900*	41.9	345.8	548,000*	56.4	361.0	586,200*b							145
150	8.5	285.7	368,100*	38.1	339.5	533,100*	53.4	357.3	565,100*b							150
155				33.8	332.1	510,800*	50.3	353.1	545,300*b							155
160				29.0	323.4	486,700*	47.0	348.5	526,700*							160
165				23.3	312.5	464,800*	43.6	343.2	509,100*	57.4	355.1	486,000*b				165
170				15.5	296.9	446,200*	39.8	337.3	492,400*	54.4	351.6	470,200*b				170
175							35.8	330.5	476,700*	51.4	347.5	455,300*b				175
180							31.3	322.5	461,600*	48.2	343.1	441,200*				180
185							26.1	312.7	447,200*	44.8	338.1	427,700*				185
190							19.4	299.8	433,300*	41.2	332.4	414,900*	55.0	343.4	395,600*b	190
195							8.1	276.6	419,200*	37.3	325.9	402,700*	52.0	339.5	384,000*b	195
200										32.9	318.3	391,000*	48.8	335.1	373,000*	200
205										28.0	309.3	379,700*	45.5	330.2	362,500*	205
210										22.0	297.7	368,800*	41.9	324.7	352,500*	210
215										13.3	280.3	357,900*	38.1	318.4	342,800*	215
220													33.9	311.1	333,500*	220
225													29.1	302.4	324,500*	225
230													23.4	291.5	315,700*	230
235													15.6	276.0	306,900*	235

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

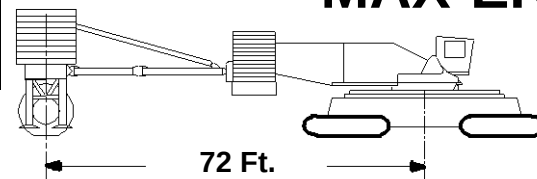
Do not luff into area indicated by (c)
with 37,000 Lb. minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

**at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**



**21000
MAX-ER**

260 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
75			c													75
80			c													80
85	68.6	400.4	628,200*b													85
90	66.4	398.2	605,500*b													90
95	64.1	395.8	580,600*b													95
100	61.8	393.1	555,300*b													100
105	59.4	390.1	530,000*b			c										105
110	56.9	386.8	505,100*b	67.6	396.2	630,600*b										110
115	54.4	383.2	480,800*	65.3	393.9	616,700*b										115
120	51.8	379.3	457,300*	63.0	391.3	603,000*b										120
125	49.1	374.9	434,800*	60.6	388.5	588,700*b										125
130	46.3	370.2	413,400*	58.2	385.4	574,300*b										130
135	43.3	364.9	393,200*	55.8	382.0	559,900*										135
140	40.1	359.0	374,400*	53.2	378.2	545,900*	64.0	387.4	604,200*b							140
145	36.7	352.4	356,800*	50.5	374.1	532,100*	61.7	384.7	581,800*b							145
150	33.0	344.8	340,800*	47.8	369.6	518,500*	59.3	381.7	560,900*b							150
155	28.9	336.0	326,300*	44.9	364.6	501,300*	56.9	378.4	541,300*b							155
160	24.1	325.4	313,600*	41.8	359.0	478,300*	54.4	374.8	522,800*							160
165	18.0	311.4	303,300*	38.6	352.8	456,000*	51.8	370.9	505,400*							165
170	7.7	286.8	298,100*	35.0	345.8	434,900*	49.1	366.5	489,000*							170
175				31.1	337.7	415,000*	46.2	361.7	473,500*	57.7	372.5	450,800*b				175
180				26.7	328.1	396,500*	43.2	356.4	458,800*	55.3	369.0	436,800*				180
185				21.4	316.2	379,800*	40.1	350.6	444,800*	52.7	365.2	423,600*				185
190				14.2	299.2	365,700*	36.7	343.9	431,500*	50.0	361.0	411,000*				190
195							33.0	336.4	418,800*	47.2	356.4	399,000*				195
200							28.8	327.5	406,600*	44.3	351.3	387,600*				200
205							24.0	316.8	394,900*	41.2	345.6	376,700*	53.2	357.1	358,000*	205
210							17.9	302.8	383,400*	37.9	339.3	366,200*	50.6	353.0	348,200*	210
215							7.4	277.6	371,800*	34.3	332.0	356,200*	47.8	348.5	338,700*	215
220										30.3	323.7	346,500*	44.9	343.5	329,700*	220
225										25.8	313.7	337,200*	41.9	337.9	321,000*	225
230										20.2	301.1	328,000*	38.6	331.7	312,600*	230
235										12.2	282.3	318,900*	35.1	324.7	304,500*	235
240													31.2	316.6	296,700*	240
245													26.8	307.1	289,100*	245
250													21.5	295.1	281,700*	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).**

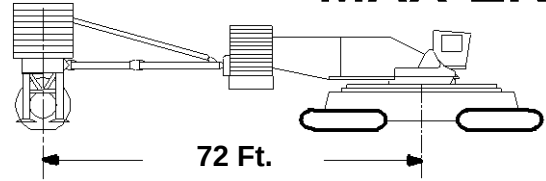
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

260 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
80																80
85	71.4	421.9	575,200* ^b													85
90	69.5	420.0	562,900* ^b													90
95	67.6	417.9	543,700* ^b													95
100	65.6	415.6	523,600* ^b													100
105	63.6	413.1	502,900* ^b													105
110	61.5	410.4	482,100* ^b													110
115	59.5	407.4	461,300*	68.6	415.8	579,900* ^b										115
120	57.3	404.2	440,800*	66.6	413.7	569,100* ^b										120
125	55.1	400.7	421,000*	64.6	411.3	557,600* ^b										125
130	52.9	396.9	401,600*	62.6	408.7	545,900* ^b										130
135	50.6	392.8	382,900*	60.6	405.8	533,900*										135
140	48.2	388.3	365,100*	58.5	402.7	521,900*										140
145	45.7	383.4	348,200*	56.3	399.4	509,500*										145
150	43.1	378.1	332,200*	54.1	395.7	497,900*	63.5	404.7	548,600* ^b							150
155	40.3	372.3	317,200*	51.8	391.8	486,400*	61.5	402.0	538,100* ^b							155
160	37.4	365.8	303,200*	49.5	387.5	469,800*	59.4	399.0	519,800*							160
165	34.2	358.5	290,200*	47.0	382.9	449,900*	57.3	395.8	502,500*							165
170	30.8	350.3	278,200*	44.5	377.8	430,300*	55.1	392.3	486,200*							170
175	26.9	340.8	267,500*	41.8	372.2	411,400*	52.9	388.5	470,800*							175
180	22.4	329.2	258,000*	38.9	366.1	393,200*	50.5	384.4	456,200*	58.0	389.9	420,300*				180
185	16.7	314.2	250,600*	35.9	359.3	375,900*	48.1	379.9	442,400*	55.9	386.5	407,900*				185
190	7.1	287.9	247,000*	32.6	351.6	359,400*	45.6	375.0	429,300*	53.6	382.8	396,000*				190
195				29.0	342.8	343,900*	43.0	369.7	416,800*	51.4	378.8	384,700*				195
200				24.9	332.4	329,600*	40.3	363.8	404,900*	49.0	374.4	373,900*				200
205				19.9	319.6	316,700*	37.3	357.3	393,500*	46.5	369.7	363,600*				205
210				13.2	301.4	305,800*	34.2	350.0	382,600*	43.9	364.5	353,800*	54.1	374.6	335,400*	210
215							30.7	341.8	372,100*	41.2	358.8	344,400*	51.8	370.7	326,500*	215
220							26.8	332.2	362,100*	38.4	352.6	335,300*	49.5	366.4	318,000*	220
225							22.3	320.7	352,300*	35.3	345.6	326,600*	47.0	361.8	309,800*	225
230							16.6	305.5	342,800*	31.9	337.7	318,200*	44.5	356.7	301,900*	230
235							6.8	278.6	332,900*	28.2	328.7	310,100*	41.8	351.1	294,300*	235
240										24.0	317.9	302,200*	39.0	345.0	286,900*	240
245										18.8	304.3	294,400*	35.9	338.2	279,900*	245
250																250
260																260
270																270

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

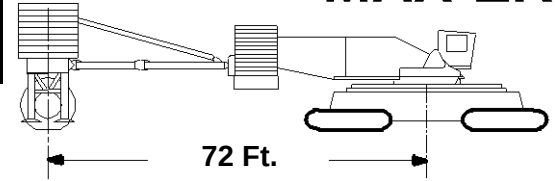
Do not luff into area indicated by (c)
with 37,000 Lb. minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



260 Ft. Boom, 180 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
85	73.5	443.0	510,200*													85
90	71.9	441.3	510,200*													90
95	70.2	439.5	503,800*													95
100	68.5	437.5	488,400*													100
105	66.7	435.3	472,200*													105
110	65.0	433.0	455,300*													110
115	63.2	430.4	438,200*													115
120	61.4	427.7	420,900*	69.4	435.4	538,000*										120
125	59.5	424.7	403,800*	67.6	433.3	529,300*										125
130	57.6	421.5	387,000*	65.9	431.1	520,000*										130
135	55.7	418.1	370,600*	64.1	428.6	510,300*										135
140	53.7	414.4	354,500*	62.3	426.0	500,200*										140
145	51.7	410.5	339,000*	60.5	423.1	489,900*										145
150	49.6	406.2	324,100*	58.6	420.1	479,800*										150
155	47.5	401.6	309,900*	56.7	416.8	469,400*	64.9	424.6	509,500*							155
160	45.2	396.7	296,400*	54.8	413.2	455,300*	63.2	422.1	502,700*							160
165	42.9	391.3	283,500*	52.8	409.4	438,500*	61.3	419.3	494,700*							165
170	40.4	385.5	271,500*	50.7	405.3	421,600*	59.5	416.3	481,700*							170
175	37.9	379.1	260,100*	48.6	400.9	404,900*	57.6	413.2	466,400*							175
180	35.1	372.1	249,500*	46.4	396.2	388,500*	55.7	409.7	451,900*							180
185	32.1	364.3	239,800*	44.1	391.0	372,500*	53.7	406.0	438,200*							185
190	28.9	355.4	230,700*	41.7	385.4	356,900*	51.7	402.1	425,200*							190
195	25.3	345.2	222,600*	39.2	379.4	341,900*	49.6	397.8	412,800*	58.3	407.2	391,200*				195
200	21.1	332.9	215,600*	36.6	372.7	327,600*	47.4	393.2	401,000*	56.3	403.9	380,000*				200
205	15.7	316.8	210,000*	33.7	365.3	313,900*	45.2	388.3	389,800*	54.4	400.3	369,300*				205
210	6.7	288.8	207,600*	30.7	357.0	300,800*	42.8	382.9	379,000*	52.4	396.4	359,100*				210
215				27.3	347.6	288,800*	40.4	377.0	368,700*	50.3	392.3	349,400*				215
220				23.4	336.5	277,600*	37.8	370.7	358,900*	48.2	387.8	340,100*				220
225				18.7	322.7	267,500*	35.1	363.6	349,500*	46.0	383.0	331,200*	54.8	392.1	313,100*	225
230				12.4	303.4	259,000*	32.1	355.8	340,400*	43.7	377.7	322,600*	52.8	388.3	304,900*	230
235							28.8	346.9	331,600*	41.2	372.1	314,400*	50.7	384.2	297,200*	235
240							25.2	336.6	323,100*	38.7	365.9	306,500*	48.6	379.8	289,700*	240
245							21.0	324.3	314,900*	36.0	359.1	298,800*	46.4	375.1	282,500*	245
250							15.6	308.1	306,800*	33.1	351.5	291,500*	44.1	369.9	275,600*	250
260										26.5	333.3	277,400*	39.3	358.3	262,400*	260
270										17.7	307.3	264,000*	33.8	344.2	250,200*	270
280													27.3	326.5	238,600*	280
290													18.8	301.7	227,400*	290

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

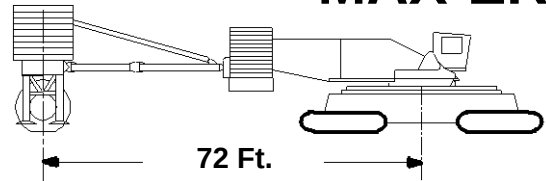
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



Narrow or Wide Crawler Arrangement - 360 Degree Rating

260 Ft. Boom, 200 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
90	73.7	462.4	453,300*													90
95	72.2	460.7	453,300*													95
100	70.7	459.0	452,400*													100
105	69.2	457.1	440,100*													105
110	67.6	455.0	427,000*													110
115	66.1	452.8	413,300*													115
120	64.5	450.3	399,200*													120
125	62.9	447.8	384,900*	70.0	454.9	480,600*										125
130	61.2	445.0	370,600*	68.5	452.9	480,600*										130
135	59.6	442.1	356,500*	66.9	450.8	480,600*										135
140	57.9	438.9	342,500*	65.3	448.4	477,000*										140
145	56.1	435.5	328,800*	63.7	446.0	468,500*										145
150	54.4	431.9	315,500*	62.1	443.3	460,200*										150
155	52.6	428.1	302,500*	60.4	440.4	448,500*										155
160	50.7	424.0	290,000*	58.8	437.4	435,800*										160
165	48.8	419.6	278,000*	57.1	434.2	422,200*	64.4	442.0	467,200*							165
170	46.9	415.0	266,500*	55.3	430.7	408,600*	62.8	439.4	461,800*							170
175	44.8	409.9	255,500*	53.5	427.0	394,600*	61.2	436.6	455,600*							175
180	42.7	404.6	245,100*	51.7	423.0	380,600*	59.5	433.7	448,500*							180
185	40.5	398.7	235,300*	49.8	418.8	366,500*	57.8	430.5	434,900*							185
190	38.2	392.4	226,000*	47.9	414.3	352,700*	56.1	427.1	421,900*							190
195	35.8	385.6	217,300*	45.9	409.5	339,100*	54.4	423.5	409,600*							195
200	33.2	378.0	209,100*	43.9	404.3	325,800*	52.5	419.7	397,900*							200
205	30.4	369.7	201,600*	41.7	398.7	312,900*	50.7	415.6	386,700*	58.4	424.6	365,800*				205
210	27.4	360.2	194,700*	39.5	392.6	300,500*	48.8	411.2	376,100*	56.7	421.3	355,600*				210
215	23.9	349.3	188,400*	37.1	386.1	288,500*	46.8	406.5	365,900*	55.0	417.8	346,000*				215
220	19.9	336.3	183,100*	34.6	378.9	276,900*	44.8	401.5	356,200*	53.2	414.0	336,700*				220
225	14.9	319.3	178,900*	31.9	371.0	266,200*	42.7	396.1	346,800*	51.3	410.0	327,900*				225
230	6.3	289.8	177,200*	29.0	362.2	255,900*	40.5	390.3	337,900*	49.5	405.7	319,400*				230
235				25.8	352.1	246,300*	38.2	384.0	329,300*	47.5	401.1	311,300*				235
240				22.1	340.3	237,400*	35.7	377.1	321,000*	45.5	396.2	303,500*	53.6	405.9	286,100*	240
245				17.7	325.8	229,200*	33.2	369.5	313,000*	43.4	391.0	295,900*	51.7	401.9	279,000*	245
250				11.7	305.3	222,700*	30.4	361.2	305,300*	41.3	385.3	288,700*	49.9	397.7	272,200*	250
260							23.9	340.8	290,700*	36.6	372.5	275,000*	45.9	388.4	259,200*	260
270							14.7	310.6	276,600*	31.4	357.1	262,100*	41.7	377.6	247,100*	270
280										25.1	337.7	250,100*	37.1	365.0	235,900*	280
290										16.7	310.1	238,400*	31.9	349.9	225,200*	290
300													25.8	331.1	215,100*	300
310													17.8	304.8	205,400*	310

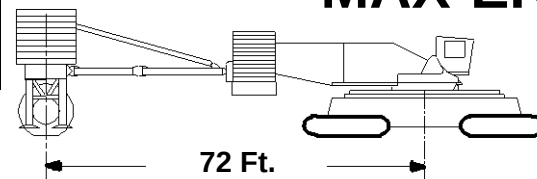
Capacities indicated by (b) require
37,000 Lb. minimum weight suspended
beneath luffing jib point.

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

**21000
MAX-ER**



**at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

260 Ft. Boom, 220 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
95	73.9	481.8	402,400*													95
100	72.5	480.2	402,400*													100
105	71.2	478.4	402,400*													105
110	69.8	476.6	396,400*													110
115	68.4	474.6	385,900*													115
120	67.0	472.4	374,800*													120
125	65.5	470.1	363,300*													125
130	64.1	467.7	351,600*													130
135	62.6	465.1	339,700*	69.1	472.5	426,100*										135
140	61.1	462.3	328,000*	67.7	470.4	426,100*										140
145	59.6	459.4	316,200*	66.3	468.2	426,100*										145
150	58.1	456.3	304,300*	64.8	465.8	426,100*										150
155	56.5	452.9	292,900*	63.4	463.3	418,900*										155
160	54.9	449.4	281,800*	61.9	460.6	409,800*										160
165	53.3	445.7	271,000*	60.4	457.8	400,300*										165
170	51.6	441.7	260,400*	58.9	454.7	389,600*										170
175	49.9	437.5	250,200*	57.3	451.5	378,900*	64.0	459.3	427,400*							175
180	48.2	433.0	240,400*	55.8	448.1	367,300*	62.6	456.7	423,200*							180
185	46.4	428.3	231,000*	54.2	444.5	355,800*	61.1	453.9	418,300*							185
190	44.5	423.2	222,100*	52.5	440.6	344,200*	59.6	451.0	412,900*							190
195	42.6	417.8	213,500*	50.8	436.6	332,400*	58.0	447.9	405,100*							195
200	40.6	412.0	205,400*	49.1	432.2	320,800*	56.5	444.5	393,500*							200
205	38.5	405.7	197,800*	47.3	427.6	309,200*	54.9	441.0	382,400*							205
210	36.3	399.0	190,500*	45.5	422.7	297,900*	53.3	437.3	371,800*							210
215	34.0	391.7	183,800*	43.6	417.5	286,900*	51.6	433.3	361,600*	58.6	441.9	341,100*				215
220	31.6	383.7	177,400*	41.7	411.9	276,200*	49.9	429.1	352,000*	57.0	438.6	331,900*				220
225	28.9	374.8	171,500*	39.6	405.9	265,800*	48.1	424.6	342,700*	55.4	435.2	323,200*				225
230	26.0	364.8	166,200*	37.5	399.4	255,800*	46.3	419.8	333,800*	53.8	431.5	314,700*				230
235	22.7	353.3	161,300*	35.3	392.4	246,200*	44.5	414.8	325,300*	52.2	427.6	306,700*				235
240	18.9	339.5	157,200*	32.9	384.8	236,800*	42.6	409.3	317,200*	50.5	423.5	298,900*				240
245	14.1	321.7	154,000*	30.3	376.4	228,200*	40.6	403.5	309,300*	48.8	419.1	291,500*				245
250	5.9	290.6	152,900*	27.6	367.0	220,000*	38.5	397.3	301,700*	47.0	414.5	284,300*	54.2	423.4	267,200*	250
260				21.0	344.0	205,100*	34.0	383.2	287,400*	43.2	404.2	270,800*	50.8	415.5	254,400*	260
270				11.1	307.1	193,500*	28.9	366.3	273,900*	39.2	392.4	258,200*	47.4	406.5	242,500*	270
280							22.7	344.7	261,300*	34.8	378.8	246,400*	43.6	396.4	231,400*	280
290							14.0	313.0	247,200*	29.8	362.4	235,300*	39.7	384.8	221,000*	290
300										23.9	341.9	224,800*	35.3	371.3	211,200*	300
310										15.9	312.8	214,600*	30.4	355.3	201,900*	310
320													24.6	335.3	193,100*	320
330													16.9	307.6	184,500*	330

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

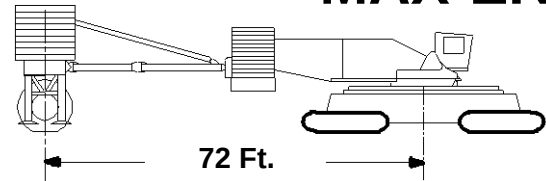
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



Narrow or Wide Crawler Arrangement - 360 Degree Rating

260 Ft. Boom, 240 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
100	74.0	501.1	357,500*													100
105	72.8	499.6	357,500*													105
110	71.5	497.9	357,500*													110
115	70.3	496.1	357,500*													115
120	69.0	494.1	349,800*													120
125	67.7	492.1	340,900*													125
130	66.4	489.9	331,700*													130
135	65.1	487.5	322,200*													135
140	63.7	485.1	312,500*	69.7	492.0	374,800*										140
145	62.4	482.4	303,000*	68.4	490.0	374,800*										145
150	61.0	479.6	293,200*	67.1	487.9	374,800*										150
155	59.6	476.7	283,400*	65.8	485.6	374,800*										155
160	58.2	473.6	273,700*	64.4	483.2	374,800*										160
165	56.8	470.3	264,100*	63.1	480.6	374,300*										165
170	55.4	466.9	254,600*	61.7	477.9	367,000*										170
175	53.9	463.2	245,500*	60.4	475.1	359,300*										175
180	52.4	459.3	236,700*	59.0	472.1	350,900*										180
185	50.8	455.3	228,100*	57.6	468.9	342,100*	63.7	476.7	384,900*							185
190	49.3	450.9	219,700*	56.1	465.5	332,900*	62.4	474.0	382,700*							190
195	47.6	446.4	211,700*	54.7	462.0	323,400*	61.0	471.3	378,700*							195
200	46.0	441.6	204,000*	53.2	458.2	313,800*	59.6	468.3	374,300*							200
205	44.3	436.4	196,600*	51.6	454.2	304,000*	58.2	465.2	369,500*							205
210	42.5	431.0	189,500*	50.1	450.1	294,400*	56.8	461.9	364,400*							210
215	40.7	425.2	182,800*	48.5	445.6	284,700*	55.3	458.5	357,900*							215
220	38.8	419.0	176,400*	46.9	441.0	275,100*	53.8	454.8	348,300*							220
225	36.8	412.4	170,300*	45.2	436.0	265,800*	52.3	450.9	339,000*	58.7	459.2	319,100*				225
230	34.7	405.2	164,600*	43.4	430.7	256,600*	50.8	446.8	330,200*	57.3	456.0	310,700*				230
235	32.5	397.5	159,200*	41.7	425.1	247,600*	49.2	442.5	321,700*	55.8	452.6	302,700*				235
240	30.2	389.0	154,200*	39.8	419.2	238,900*	47.6	438.0	313,600*	54.4	449.0	295,000*				240
245	27.6	379.6	149,600*	37.9	412.8	230,600*	45.9	433.1	305,800*	52.9	445.2	287,600*				245
250	24.9	369.1	145,400*	35.8	405.9	222,500*	44.2	428.0	298,300*	51.3	441.2	280,500*				250
260	18.1	342.6	138,400*	31.4	390.4	207,300*	40.6	416.8	284,100*	48.2	432.5	267,000*	54.7	440.8	250,300*	260
270	5.6	291.5	135,600*	26.4	371.7	193,600*	36.8	403.9	270,900*	44.8	422.8	254,500*	51.7	433.1	238,500*	270
280				20.1	347.4	181,700*	32.5	389.0	258,500*	41.3	411.8	242,900*	48.5	424.5	227,500*	280
290				10.6	308.9	172,500*	27.6	371.1	246,900*	37.5	399.2	232,000*	45.2	414.9	217,200*	290
300							21.7	348.5	235,800*	33.3	384.7	221,700*	41.7	404.0	207,500*	300
310							13.4	315.2	221,300*	28.5	367.4	212,000*	37.9	391.7	198,400*	310
320										22.8	345.8	202,700*	33.7	377.4	189,800*	320
330										15.1	315.4	193,800*	29.0	360.5	181,700*	330
340													23.5	339.4	173,800*	340
350													16.1	310.4	166,200*	350

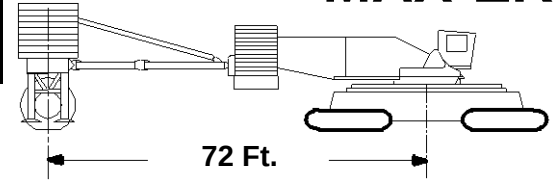
Capacities indicated by (b) require
37,000 Lb. minimum weight suspended
beneath luffing jib point.

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**



260 Ft. Boom, 260 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	
105	74.2	520.5	317,800*													105
110	73.0	519.0	317,800*													110
115	71.8	517.3	317,800*													115
120	70.7	515.5	317,800*													120
125	69.5	513.7	316,100*													125
130	68.3	511.7	309,000*													130
135	67.1	509.5	301,600*													135
140	65.9	507.3	293,800*													140
145	64.7	504.9	285,900*													145
150	63.5	502.4	277,900*	68.9	509.5	332,400*										150
155	62.2	499.8	269,800*	67.7	507.5	332,400*										155
160	60.9	497.0	261,600*	66.5	505.3	332,400*										160
165	59.7	494.0	253,400*	65.3	503.0	332,400*										165
170	58.4	490.9	245,300*	64.1	500.6	332,400*										170
175	57.1	487.7	237,200*	62.9	498.0	332,400*										175
180	55.7	484.3	229,300*	61.6	495.3	328,600*										180
185	54.4	480.7	221,600*	60.3	492.4	322,100*										185
190	53.0	476.9	214,000*	59.1	489.4	315,500*	64.7	496.5	332,400*							190
195	51.6	472.9	206,600*	57.8	486.2	308,200*	63.4	494.0	332,400*							195
200	50.1	468.8	199,500*	56.4	482.9	300,700*	62.2	491.4	332,400*							200
205	48.7	464.4	192,600*	55.1	479.4	292,900*	60.9	488.6	332,400*							205
210	47.2	459.7	186,000*	53.7	475.7	284,900*	59.6	485.6	332,400*							210
215	45.6	454.8	179,600*	52.3	471.9	276,900*	58.3	482.5	332,400*							215
220	44.1	449.7	173,400*	50.9	467.8	268,700*	57.0	479.3	329,400*							220
225	42.4	444.2	167,500*	49.5	463.5	260,400*	55.7	475.9	322,800*							225
230	40.7	438.5	161,800*	48.0	459.0	252,400*	54.3	472.3	315,700*							230
235	39.0	432.3	156,500*	46.5	454.3	244,400*	53.0	468.5	308,500*	58.8	476.6	297,900*				235
240	37.2	425.8	151,400*	44.9	449.3	236,500*	51.6	464.5	300,900*	57.5	473.4	290,200*				240
245	35.3	418.7	146,500*	43.3	444.0	228,800*	50.1	460.3	293,200*	56.2	470.0	282,900*				245
250	33.3	411.2	141,900*	41.6	438.4	221,300*	48.7	455.9	285,400*	54.8	466.5	275,800*				250
260	28.9	394.1	133,700*	38.1	426.1	206,900*	45.6	446.4	269,800*	52.0	458.9	262,500*				260
270	23.8	373.3	126,600*	34.3	412.1	193,400*	42.4	435.8	254,400*	49.2	450.4	250,100*				270
280	17.3	345.6	121,100*	30.1	395.7	181,100*	39.0	423.9	239,600*	46.1	441.1	238,500*	52.3	450.8	222,700*	280
290	5.4	292.3	119,100*	25.3	376.1	169,900*	35.2	410.3	225,400*	43.0	430.7	227,700*	49.5	442.4	212,500*	290
300				19.3	350.7	160,200*	31.1	394.5	212,000*	39.6	419.0	217,600*	46.5	433.2	202,900*	300
310				10.1	310.5	152,700*	26.4	375.8	199,500*	35.9	405.7	208,100*	43.3	422.9	193,900*	310
320							20.8	352.1	188,200*	31.9	390.4	199,100*	39.9	411.3	185,500*	320
330							12.8	317.4	178,500*	27.3	372.3	190,500*	36.3	398.2	177,500*	330
340										21.9	349.7	182,300*	32.3	383.2	169,900*	340
350										14.5	317.9	174,400*	27.8	365.4	162,700*	350
360													22.5	343.4	155,700*	360
370													15.4	313.0	148,900*	370

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 Ft. Mast No. 81

494,700 Lb. Crane Counterweight

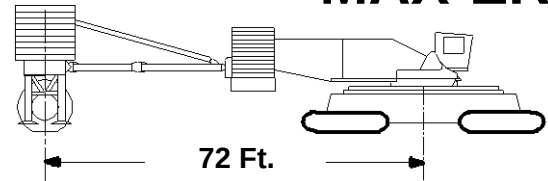
200,000 Lb. Carbody Counterweight

1,124,000 Lb. Wheeled Counterweight

at 72 Ft. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



260 Ft. Boom, 280 Ft. Jib

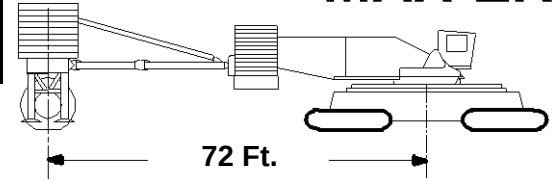
Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
110	74.3	539.9	283,000*													110
115	73.2	538.4	283,000*													115
120	72.1	536.7	283,000*													120
125	71.0	535.0	283,000*													125
130	69.9	533.2	283,000*													130
135	68.8	531.2	280,300*													135
140	67.7	529.2	274,300*													140
145	66.6	527.0	268,000*													145
150	65.5	524.7	261,500*													150
155	64.4	522.3	254,800*	69.4	529.1	292,500*										155
160	63.2	519.7	248,200*	68.3	527.1	292,500*										160
165	62.1	517.1	241,400*	67.2	525.0	292,500*										165
170	60.9	514.3	234,500*	66.1	522.7	292,500*										170
175	59.7	511.3	227,600*	65.0	520.4	292,500*										175
180	58.5	508.3	220,800*	63.8	517.9	292,500*										180
185	57.3	505.1	214,000*	62.7	515.3	292,500*										185
190	56.0	501.7	207,300*	61.5	512.6	292,500*										190
195	54.8	498.1	200,700*	60.3	509.7	289,800*										195
200	53.5	494.4	194,300*	59.1	506.7	284,300*	64.3	513.9	292,300*							200
205	52.2	490.6	188,000*	57.9	503.6	278,400*	63.2	511.4	292,300*							205
210	50.9	486.5	181,900*	56.7	500.3	272,300*	62.0	508.7	292,300*							210
215	49.6	482.2	176,000*	55.5	496.8	265,800*	60.9	505.9	292,300*							215
220	48.2	477.8	170,100*	54.2	493.2	258,200*	59.7	503.0	288,300*							220
225	46.8	473.1	164,600*	52.9	489.4	250,300*	58.5	499.9	282,200*							225
230	45.3	468.1	159,300*	51.6	485.5	242,200*	57.3	496.7	275,900*							230
235	43.9	462.9	154,100*	50.3	481.3	234,600*	56.0	493.3	269,100*							235
240	42.4	457.5	149,100*	48.9	477.0	227,000*	54.8	489.7	261,800*							240
245	40.8	451.7	144,400*	47.5	472.4	219,700*	53.5	486.0	254,500*	58.9	493.9	264,700*				245
250	39.2	445.6	139,800*	46.1	467.6	212,500*	52.2	482.1	247,100*	57.7	490.7	264,700*				250
260	35.8	432.2	131,400*	43.2	457.2	198,400*	49.5	473.8	232,400*	55.2	483.9	257,300*				260
270	32.0	416.9	123,700*	40.0	445.7	185,100*	46.8	464.6	217,900*	52.6	476.5	245,700*				270
280	27.8	399.1	117,000*	36.7	432.7	172,500*	43.8	454.5	203,700*	50.0	468.2	233,000*				280
290	22.9	377.3	111,300*	33.0	418.0	160,600*	40.8	443.2	190,200*	47.2	459.2	219,700*	52.9	468.3	208,700*	290
300	16.7	348.5	106,900*	29.0	400.9	149,500*	37.5	430.6	177,300*	44.4	449.3	206,200*	50.3	460.2	199,300*	300
310	5.1	293.0	105,600*	24.3	380.4	139,200*	33.9	416.4	165,200*	41.3	438.2	193,000*	47.5	451.3	190,400*	310
320				18.5	353.9	129,900*	30.0	399.9	153,800*	38.1	425.9	180,300*	44.7	441.4	182,000*	320
330				9.7	312.1	122,100*	25.4	380.3	143,200*	34.5	411.9	168,200*	41.6	430.5	174,100*	330
340							20.0	355.6	133,600*	30.7	395.9	156,700*	38.4	418.3	166,600*	340
350							12.3	319.4	125,400*	26.3	376.9	146,100*	34.9	404.5	159,500*	350
360										21.0	353.3	136,300*	31.1	388.7	152,800*	360
370										14.0	320.2	127,800*	26.8	370.1	146,300*	370
380													21.6	347.1	137,800*	380
390													14.9	315.5	129,400*	390

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**



260 Ft. Boom, 300 Ft. Jib

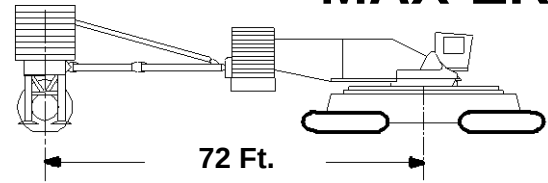
Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	
115	74.3	559.3	251,600*													115
120	73.3	557.8	251,600*													120
125	72.3	556.2	251,600*													125
130	71.3	554.4	251,600*													130
135	70.3	552.6	251,600*													135
140	69.3	550.7	251,600*													140
145	68.3	548.7	248,800*													145
150	67.2	546.6	243,700*													150
155	66.2	544.4	238,400*													155
160	65.1	542.1	233,000*	69.8	548.6	256,900*										160
165	64.1	539.6	227,500*	68.8	546.6	256,900*										165
170	63.0	537.1	221,900*	67.8	544.6	256,900*										170
175	61.9	534.4	216,200*	66.7	542.4	256,900*										175
180	60.8	531.6	210,400*	65.7	540.1	256,900*										180
185	59.7	528.7	204,600*	64.6	537.8	256,900*										185
190	58.6	525.6	198,900*	63.6	535.3	256,900*										190
195	57.5	522.4	193,200*	62.5	532.6	256,900*										195
200	56.3	519.1	187,500*	61.4	529.9	250,900*										200
205	55.1	515.6	181,900*	60.3	527.0	243,500*										205
210	54.0	511.9	176,400*	59.2	524.1	236,000*	64.1	531.3	256,200*							210
215	52.8	508.1	171,100*	58.1	520.9	228,700*	63.0	528.7	253,900*							215
220	51.5	504.2	165,800*	56.9	517.7	221,100*	61.9	526.0	248,700*							220
225	50.3	500.0	160,700*	55.8	514.3	213,600*	60.8	523.2	242,800*							225
230	49.0	495.7	155,700*	54.6	510.7	206,200*	59.7	520.3	236,800*							230
235	47.8	491.1	150,900*	53.4	507.0	198,800*	58.6	517.2	230,400*							235
240	46.4	486.4	146,200*	52.2	503.1	191,600*	57.4	514.0	223,600*							240
245	45.1	481.4	141,700*	51.0	499.0	184,300*	56.3	510.7	216,800*							245
250	43.7	476.2	137,300*	49.7	494.8	177,500*	55.1	507.2	209,800*							250
260	40.8	464.9	129,100*	47.1	485.7	164,200*	52.7	499.7	195,800*	57.8	508.1	217,600*				260
270	37.8	452.4	121,500*	44.4	475.8	151,300*	50.3	491.6	182,000*	55.5	501.3	207,200*				270
280	34.5	438.4	112,300*	41.6	464.8	139,200*	47.7	482.7	168,500*	53.2	494.0	195,000*				280
290	30.9	422.4	102,600*	38.6	452.7	127,700*	45.1	473.0	155,600*	50.7	486.0	182,600*				290
300	26.8	403.8	93,600*	35.4	439.1	117,000*	42.3	462.2	143,100*	48.2	477.2	169,900*	53.4	485.9	188,800*	300
310	22.1	381.2	85,200*	31.9	423.7	107,000*	39.3	450.4	131,500*	45.5	467.7	157,500*	51.0	477.9	179,300*	310
320	16.1	351.2	77,800*	28.0	405.8	97,600*	36.1	437.2	120,500*	42.8	457.1	145,400*	48.4	469.3	168,700*	320
330	4.9	293.8	72,100*	23.5	384.5	88,900*	32.7	422.2	110,200*	39.8	445.5	133,800*	45.8	459.8	157,400*	330
340				17.9	357.0	80,900*	28.9	405.0	100,700*	36.7	432.5	122,900*	43.1	449.3	146,000*	340
350				9.4	313.7	74,500*	24.5	384.6	91,800*	33.3	417.9	112,500*	40.1	437.8	134,800*	350
360							19.3	358.9	83,700*	29.6	401.1	102,900*	37.0	425.0	124,100*	360
370							11.9	321.4	76,700*	25.4	381.3	93,900*	33.7	410.6	113,900*	370
380										20.3	356.8	85,900*	30.0	394.0	104,200*	380
390										13.5	322.5	78,600*	25.8	374.6	95,300*	390
400													20.9	350.8	87,000*	400
410													14.3	318.0	79,700*	410

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



280 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70			c													70
75			c													75
80			c													80
85			c													85
90	63.0	396.6	594,300*b													90
95	60.3	393.8	567,800*b													95
100	57.4	390.5	541,300*b													100
105	54.5	387.0	515,400*b													105
110	51.4	383.0	490,300*b													110
115	48.2	378.5	466,100*b	62.7	392.9	609,500*b										115
120	44.8	373.5	443,200*	59.9	390.0	594,200*b										120
125	41.2	367.8	421,600*	57.0	386.7	578,800*b										125
130	37.3	361.4	401,600*	54.1	383.1	563,400*b										130
135	33.0	353.8	383,400*	51.0	379.0	548,300*b										135
140	28.1	344.8	367,200*	47.8	374.5	533,300*	62.1	386.8	594,500*b							140
145	22.1	333.3	353,500*	44.4	369.4	519,000*	59.3	383.8	578,200*b							145
150	13.6	316.1	344,200*	40.8	363.6	504,900*	56.5	380.5	557,400*b							150
155				36.8	357.0	482,700*	53.5	376.7	537,800*b							155
160				32.4	349.4	460,900*	50.4	372.6	519,500*b							160
165				27.4	340.1	440,600*	47.1	368.0	502,200*							165
170				21.2	328.1	422,600*	43.7	362.7	485,800*	58.4	375.2	461,100*b				170
175				12.0	309.5	408,100*	40.0	356.8	470,300*	55.5	371.7	446,500*b				175
180							36.0	350.0	455,500*	52.5	367.9	432,600*b				180
185							31.5	342.1	441,400*	49.4	363.6	419,500*b				185
190							26.3	332.4	427,900*	46.0	358.8	407,000*				190
195							19.7	319.6	414,900*	42.5	353.3	395,100*				195
200							8.8	297.4	401,600*	38.7	347.2	383,700*	54.1	360.4	363,500*b	200
205										34.6	340.1	372,700*	51.0	356.3	353,300*b	205
210										29.9	331.6	362,200*	47.8	351.8	343,500*b	210
215										24.4	321.2	352,000*	44.4	346.7	334,200*	215
220										17.1	306.7	341,900*	40.8	340.9	325,200*	220
225													36.8	334.4	316,500*	225
230													32.5	326.7	308,100*	230
235													27.4	317.4	299,900*	235
240													21.3	305.5	291,900*	240
245													12.1	286.9	283,700*	245

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

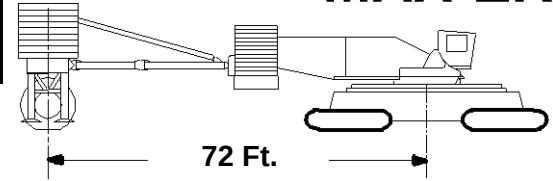
Do not luff into area indicated by (c)
with 37,000 Lb. minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



280 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
75			c													75
80			c													80
85			c													85
90	67.2	418.9	555,300*b													90
95	64.9	416.6	533,900*b													95
100	62.6	414.0	512,000*b													100
105	60.2	411.1	489,900*b													105
110	57.8	407.9	468,100*b													110
115	55.3	404.4	446,700*b	66.9	415.2	580,500*b										115
120	52.7	400.6	425,900*	64.6	412.8	568,100*b										120
125	50.1	396.4	405,900*	62.3	410.2	555,300*b										125
130	47.3	391.8	386,800*	59.9	407.3	541,800*b										130
135	44.4	386.7	368,700*	57.5	404.1	528,700*b										135
140	41.3	381.1	351,600*	55.0	400.5	516,100*										140
145	38.0	374.7	335,700*	52.4	396.7	503,100*	64.1	406.8	553,600*b							145
150	34.4	367.5	321,000*	49.7	392.4	490,400*	61.8	404.1	543,300*b							150
155	30.4	359.2	307,700*	46.9	387.8	471,100*	59.4	401.1	532,100*b							155
160	25.9	349.3	295,900*	44.0	382.6	450,700*	57.0	397.8	515,300*b							160
165	20.3	336.8	286,100*	40.9	376.9	430,900*	54.5	394.3	498,200*							165
170	12.4	318.1	279,600*	37.5	370.4	411,900*	51.9	390.3	482,000*							170
175				33.9	363.1	393,600*	49.2	386.0	466,700*							175
180				29.9	354.6	376,900*	46.3	381.2	452,200*	58.6	392.5	428,000*b				180
185				25.2	344.5	361,300*	43.3	376.0	438,500*	56.2	389.1	415,000*b				185
190				19.5	331.4	347,500*	40.2	370.1	425,400*	53.6	385.5	402,700*				190
195				11.0	311.2	336,500*	36.8	363.5	412,900*	51.0	381.4	390,900*				195
200							33.1	356.0	401,000*	48.3	376.9	379,800*				200
205							29.0	347.2	389,500*	45.4	372.0	369,100*				205
210							24.2	336.6	378,400*	42.4	366.6	358,900*	55.0	377.9	338,800*b	210
215							18.1	322.7	367,700*	39.1	360.5	349,100*	52.4	374.0	329,600*	215
220							8.0	298.5	356,700*	35.7	353.6	339,600*	49.7	369.8	320,800*	220
225										31.8	345.7	330,600*	46.9	365.1	312,400*	225
230										27.5	336.4	321,800*	44.0	359.9	304,300*	230
235										22.4	325.0	313,300*	40.9	354.2	296,400*	235
240										15.7	309.3	304,800*	37.5	347.8	288,900*	240
245													33.9	340.4	281,600*	245
250													29.9	332.0	274,500*	250
260													19.6	308.8	260,800*	260

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).

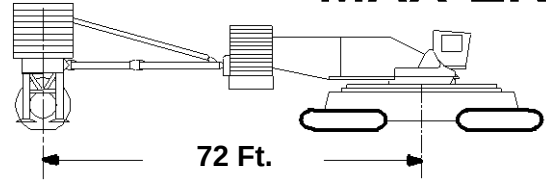
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



Narrow or Wide Crawler Arrangement - 360 Degree Rating

280 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
80			c													80
85			c													85
90	70.2	440.6	515,800*b													90
95	68.2	438.6	499,300*b													95
100	66.3	436.4	481,900*b													100
105	64.3	433.9	463,900*b													105
110	62.3	431.3	445,700*b													110
115	60.2	428.4	427,400*b	69.9	436.9	543,900*b										115
120	58.1	425.3	409,300*	68.0	434.9	534,700*b										120
125	55.9	421.9	391,600*	66.0	432.6	524,700*b										125
130	53.7	418.2	374,400*	64.0	430.2	514,200*b										130
135	51.4	414.2	357,700*	62.0	427.5	503,300*b										135
140	49.0	409.8	341,700*	59.9	424.6	492,300*										140
145	46.6	405.1	326,500*	57.8	421.4	481,200*										145
150	44.0	399.9	312,000*	55.6	418.0	470,300*										150
155	41.3	394.3	298,300*	53.4	414.3	457,900*	63.6	424.1	502,400*b							155
160	38.4	388.0	285,500*	51.1	410.2	440,000*	61.6	421.4	494,000*b							160
165	35.3	381.1	273,600*	48.7	405.8	422,900*	59.5	418.4	484,800*							165
170	32.0	373.2	262,600*	46.2	401.1	405,200*	57.4	415.2	474,800*							170
175	28.3	364.2	252,700*	43.7	395.8	388,300*	55.2	411.7	463,800*							175
180	24.1	353.5	243,900*	40.9	390.1	371,800*	52.9	407.9	449,500*							180
185	18.9	340.0	236,700*	38.0	383.8	356,400*	50.6	403.8	435,900*							185
190	11.5	320.0	232,100*	34.9	376.7	341,400*	48.2	399.4	422,900*	58.8	409.9	399,300*				190
195				31.6	368.7	327,300*	45.7	394.5	410,600*	56.7	406.5	387,700*				195
200				27.8	359.5	314,100*	43.1	389.2	398,900*	54.5	403.0	376,600*				200
205				23.5	348.5	301,900*	40.4	383.3	387,700*	52.2	399.1	366,100*				205
210				18.2	334.5	291,200*	37.4	376.9	377,000*	49.9	394.9	356,000*				210
215				10.2	312.8	282,700*	34.3	369.6	366,700*	47.4	390.3	346,300*				215
220							30.8	361.4	356,800*	44.9	385.3	337,100*				220
225							27.0	351.9	347,300*	42.2	379.8	328,300*	53.4	391.6	309,100*	225
230							22.5	340.4	338,100*	39.4	373.8	319,800*	51.1	387.5	301,100*	230
235							16.9	325.5	329,000*	36.4	367.1	311,600*	48.7	383.1	293,400*	235
240							7.4	299.6	319,700*	33.2	359.5	303,700*	46.3	378.4	286,000*	240
245										29.7	351.0	296,000*	43.7	373.2	278,900*	245
250										25.6	340.9	288,600*	40.9	367.4	272,100*	250
260										14.6	311.7	274,100*	35.0	354.0	259,000*	260
270													27.8	336.9	246,700*	270
280													18.2	311.9	234,900*	280

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

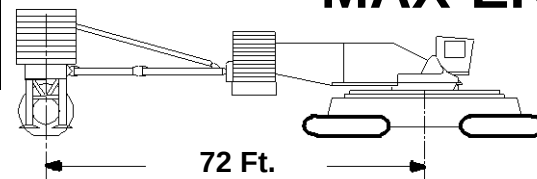
Do not luff into area indicated by (c)
with 37,000 Lb. minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

21000
MAX-ER



at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

280 Ft. Boom, 180 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
85																85
90	72.5	461.8	461,000* ^b													90
95	70.8	460.1	460,700* ^b													95
100	69.1	458.1	449,200* ^b													100
105	67.3	456.0	435,000* ^b													105
110	65.6	453.7	420,300* ^b													110
115	63.8	451.3	405,100*													115
120	62.0	448.6	389,900*													120
125	60.2	445.7	374,600*	68.8	454.5	488,000* ^b										125
130	58.3	442.6	359,600*	67.1	452.3	488,000* ^b										130
135	56.4	439.3	344,900*	65.4	450.0	479,500* ^b										135
140	54.4	435.7	330,600*	63.6	447.5	470,400*										140
145	52.4	431.8	316,700*	61.8	444.8	461,300*										145
150	50.3	427.7	303,300*	59.9	441.9	451,800*										150
155	48.2	423.2	290,400*	58.1	438.8	438,700*										155
160	46.0	418.4	278,100*	56.1	435.4	424,200*	65.0	444.0	466,200* ^b							160
165	43.7	413.2	266,400*	54.2	431.8	409,600*	63.2	441.5	460,100*							165
170	41.3	407.5	255,400*	52.2	427.9	394,900*	61.4	438.7	453,100*							170
175	38.8	401.3	245,000*	50.1	423.7	380,100*	59.6	435.8	445,600*							175
180	36.1	394.5	235,200*	47.9	419.2	365,500*	57.7	432.6	437,500*							180
185	33.2	387.0	226,200*	45.7	414.3	351,100*	55.7	429.2	429,000*							185
190	30.1	378.5	217,900*	43.4	409.1	337,200*	53.8	425.5	418,600*							190
195	26.6	368.9	210,400*	41.0	403.3	323,700*	51.7	421.5	406,400*							195
200	22.6	357.4	203,800*	38.4	397.1	310,600*	49.6	417.3	394,800*	59.0	427.2	371,700*				200
205	17.8	343.0	198,400*	35.7	390.2	298,200*	47.5	412.7	383,700*	57.1	423.9	361,200*				205
210	10.8	321.7	195,100*	32.8	382.6	286,300*	45.2	407.8	373,100*	55.1	420.4	351,200*				210
215				29.7	374.0	275,200*	42.9	402.4	363,000*	53.1	416.7	341,700*				215
220				26.1	364.1	264,800*	40.5	396.6	353,300*	51.1	412.6	332,600*				220
225				22.1	352.3	255,200*	37.9	390.2	344,000*	49.0	408.3	323,800*				225
230				17.0	337.4	246,800*	35.2	383.2	335,100*	46.8	403.6	315,500*				230
235				9.5	314.3	240,200*	32.2	375.4	326,500*	44.5	398.5	307,400*	54.2	409.1	288,400*	235
240							29.0	366.5	318,200*	42.1	393.0	299,700*	52.2	405.2	281,100*	240
245							25.4	356.3	310,200*	39.7	387.0	292,200*	50.1	401.0	274,200*	245
250							21.1	344.1	302,400*	37.0	380.5	285,000*	47.9	396.5	267,400*	250
260							6.9	300.6	286,700*	31.2	365.1	271,400*	43.4	386.4	254,700*	260
270										24.1	345.1	258,500*	38.4	374.4	242,800*	270
280										13.7	314.0	246,000*	32.8	359.9	231,600*	280
290													26.2	341.4	221,000*	290
300													17.1	314.8	210,700*	300

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

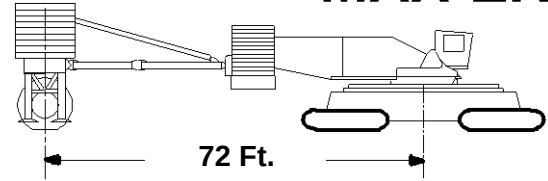
Do not luff into area indicated by (c)
with 37,000 Lb. minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



280 Ft. Boom, 200 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
90	74.3	482.8	411,900*b													90
95	72.8	481.3	411,900*b													95
100	71.3	479.5	411,900*b													100
105	69.7	477.7	405,400*b													105
110	68.2	475.7	393,900*b													110
115	66.6	473.5	381,800*													115
120	65.0	471.1	369,300*													120
125	63.4	468.6	356,600*													125
130	61.8	465.9	344,000*	69.5	474.0	441,300*b										130
135	60.2	463.0	331,300*	68.0	472.0	441,300*b										135
140	58.5	459.9	318,700*	66.4	469.8	441,300*										140
145	56.8	456.7	306,100*	64.8	467.4	434,600*										145
150	55.0	453.1	294,100*	63.2	464.9	425,300*										150
155	53.2	449.4	282,500*	61.6	462.1	415,400*										155
160	51.4	445.4	271,200*	59.9	459.2	404,500*										160
165	49.5	441.1	260,300*	58.3	456.1	392,900*										165
170	47.6	436.6	249,800*	56.5	452.8	380,900*	64.5	461.4	427,700*							170
175	45.6	431.7	239,800*	54.8	449.3	368,500*	62.9	458.8	422,700*							175
180	43.5	426.4	230,300*	53.0	445.5	356,100*	61.3	456.0	417,000*							180
185	41.3	420.7	221,300*	51.1	441.5	343,800*	59.6	453.1	410,800*							185
190	39.0	414.6	212,700*	49.3	437.2	331,400*	57.9	449.9	404,100*							190
195	36.7	408.0	204,700*	47.3	432.5	319,200*	56.2	446.6	397,100*							195
200	34.1	400.7	197,200*	45.3	427.6	307,300*	54.4	443.0	389,700*							200
205	31.4	392.6	190,200*	43.2	422.3	295,600*	52.6	439.2	380,600*							205
210	28.5	383.6	183,800*	41.0	416.6	284,400*	50.8	435.1	370,100*	59.1	444.5	347,600*				210
215	25.2	373.3	178,000*	38.7	410.4	273,500*	48.9	430.7	360,000*	57.4	441.3	338,100*				215
220	21.4	361.1	173,000*	36.3	403.7	263,100*	46.9	426.0	350,400*	55.6	437.9	329,100*				220
225	16.8	345.8	168,900*	33.8	396.3	253,100*	44.9	421.0	341,200*	53.8	434.2	320,400*				225
230	10.2	323.3	166,500*	31.0	388.1	243,600*	42.8	415.6	332,400*	52.0	430.3	312,100*				230
235				28.1	378.9	234,700*	40.6	409.8	324,000*	50.2	426.1	304,100*				235
240				24.7	368.4	226,400*	38.3	403.5	315,800*	48.2	421.7	296,500*				240
245				20.9	355.9	218,800*	35.8	396.7	308,000*	46.3	416.9	289,100*	54.8	426.6	270,500*	245
250				16.1	340.1	212,100*	33.2	389.1	300,400*	44.2	411.8	282,000*	53.0	422.8	263,800*	250
260							27.4	371.4	286,000*	39.8	400.3	268,600*	49.3	414.5	251,200*	260
270							20.0	347.5	271,500*	35.0	386.8	256,100*	45.3	404.9	239,500*	270
280							6.5	301.6	253,800*	29.5	370.3	244,300*	41.0	393.9	228,500*	280
290										22.8	349.1	233,200*	36.4	381.0	218,200*	290
300										12.9	316.1	222,300*	31.1	365.4	208,500*	300
310													24.7	345.8	199,200*	310
320													16.1	317.5	190,200*	320

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

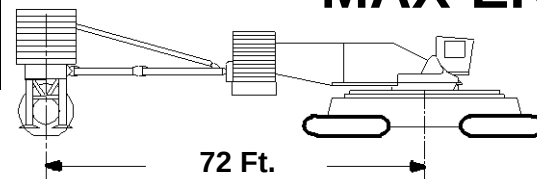
Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

**21000
MAX-ER**

**at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**



280 Ft. Boom, 220 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
95	74.4	502.2	366,200*													95
100	73.0	500.7	366,200*													100
105	71.6	499.0	366,200*													105
110	70.3	497.2	365,500*													110
115	68.9	495.2	356,200*													115
120	67.5	493.1	346,400*													120
125	66.0	490.9	336,300*													125
130	64.6	488.5	325,800*													130
135	63.1	485.9	315,400*													135
140	61.6	483.2	304,800*	68.7	491.5	390,400*										140
145	60.1	480.4	294,100*	67.3	489.4	390,400*										145
150	58.6	477.3	283,600*	65.8	487.2	390,400*										150
155	57.1	474.0	273,300*	64.4	484.8	386,700*										155
160	55.5	470.6	263,100*	62.9	482.2	379,100*										160
165	53.9	466.9	253,100*	61.5	479.5	370,900*										165
170	52.2	463.0	243,600*	59.9	476.6	361,900*										170
175	50.5	458.9	234,400*	58.4	473.5	352,500*										175
180	48.8	454.5	225,500*	56.9	470.2	342,600*	64.1	478.7	386,300*							180
185	47.0	449.9	216,900*	55.3	466.7	332,400*	62.6	476.1	382,200*							185
190	45.2	444.9	208,700*	53.7	463.0	322,100*	61.1	473.4	377,600*							190
195	43.3	439.6	200,800*	52.0	459.1	311,500*	59.6	470.4	372,500*							195
200	41.3	434.0	193,400*	50.3	455.0	301,200*	58.1	467.3	367,100*							200
205	39.3	427.9	186,300*	48.6	450.6	291,000*	56.5	464.0	361,300*							205
210	37.1	421.3	179,600*	46.8	445.9	280,800*	54.9	460.5	355,400*							210
215	34.9	414.2	173,300*	44.9	440.9	270,800*	53.3	456.7	349,200*							215
220	32.5	406.5	167,400*	43.0	435.5	261,100*	51.7	452.8	343,000*	59.1	461.8	324,100*				220
225	29.9	397.9	162,000*	41.1	429.8	251,700*	50.0	448.6	337,000*	57.6	458.7	315,500*				225
230	27.1	388.3	156,900*	39.0	423.7	242,500*	48.2	444.1	328,200*	56.0	455.3	307,200*				230
235	23.9	377.4	152,400*	36.8	417.0	233,700*	46.4	439.3	319,900*	54.4	451.7	299,300*				235
240	20.3	364.6	148,500*	34.6	409.9	225,300*	44.6	434.3	311,800*	52.8	447.9	291,800*				240
245	16.0	348.5	145,400*	32.1	402.0	217,300*	42.6	428.9	304,100*	51.1	443.9	284,500*				245
250	9.7	324.9	143,700*	29.5	393.3	209,700*	40.6	423.1	296,600*	49.4	439.6	277,500*				250
260				23.5	372.5	195,800*	36.4	410.1	282,500*	45.8	430.2	264,200*	53.7	440.3	246,200*	260
270				15.3	342.7	184,400*	31.6	394.8	269,300*	42.0	419.5	251,900*	50.3	432.3	234,600*	270
280							26.1	375.9	255,000*	37.9	407.1	240,400*	46.8	423.2	223,800*	280
290							19.0	350.8	237,900*	33.3	392.7	229,500*	43.1	412.8	213,700*	290
300							6.1	302.5	223,400*	28.1	375.3	219,300*	39.0	401.0	204,200*	300
310										21.7	352.8	209,600*	34.6	387.2	195,200*	310
320										12.3	318.1	200,000*	29.5	370.7	186,700*	320
330													23.5	349.9	178,600*	330
340													15.3	320.1	170,600*	340

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

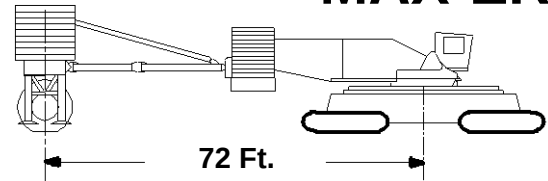
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



Narrow or Wide Crawler Arrangement - 360 Degree Rating

280 Ft. Boom, 240 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
100	74.5	521.6	327,900*													100
105	73.2	520.1	327,900*													105
110	72.0	518.4	327,900*													110
115	70.7	516.6	327,900*													115
120	69.4	514.8	323,200*													120
125	68.1	512.7	315,300*													125
130	66.8	510.6	307,000*													130
135	65.5	508.3	298,400*													135
140	64.2	505.9	289,800*													140
145	62.9	503.3	281,000*	69.3	511.1	347,700*										145
150	61.5	500.6	272,100*	68.0	509.1	347,700*										150
155	60.1	497.7	263,300*	66.7	506.9	347,700*										155
160	58.7	494.6	254,500*	65.4	504.6	347,700*										160
165	57.3	491.4	245,800*	64.0	502.1	346,300*										165
170	55.9	488.0	237,200*	62.7	499.5	340,000*										170
175	54.4	484.4	228,900*	61.3	496.8	333,100*										175
180	52.9	480.6	220,800*	59.9	493.9	326,000*										180
185	51.4	476.6	212,800*	58.5	490.8	318,200*										185
190	49.8	472.4	205,200*	57.1	487.6	310,000*	63.8	496.1	353,800*							190
195	48.2	467.9	198,000*	55.7	484.1	301,600*	62.4	493.5	350,600*							195
200	46.6	463.2	190,900*	54.2	480.5	293,100*	61.0	490.7	346,800*							200
205	44.9	458.2	184,100*	52.7	476.7	284,400*	59.7	487.7	342,600*							205
210	43.1	452.9	177,600*	51.2	472.7	275,700*	58.3	484.6	338,100*							210
215	41.3	447.2	171,400*	49.6	468.4	266,900*	56.8	481.4	333,300*							215
220	39.5	441.2	165,500*	48.0	463.9	258,300*	55.4	477.9	328,200*							220
225	37.5	434.7	159,900*	46.4	459.2	249,900*	53.9	474.2	323,000*							225
230	35.5	427.7	154,600*	44.7	454.1	241,600*	52.4	470.4	317,600*	59.2	479.2	303,100*				230
235	33.3	420.2	149,700*	42.9	448.8	233,500*	50.9	466.3	312,200*	57.8	476.0	295,300*				235
240	31.0	412.0	145,000*	41.1	443.0	225,500*	49.3	462.0	306,500*	56.4	472.7	287,700*				240
245	28.5	403.0	140,700*	39.2	436.9	217,900*	47.7	457.5	300,500*	54.9	469.2	280,500*				245
250	25.9	392.9	136,800*	37.2	430.4	210,500*	46.0	452.6	293,100*	53.4	465.4	273,500*				250
260	19.4	367.9	130,300*	33.0	415.8	196,600*	42.5	442.1	279,100*	50.4	457.4	260,400*				260
270	9.2	326.4	126,900*	28.2	398.3	184,000*	38.8	430.1	266,100*	47.1	448.4	248,100*	54.2	457.8	230,500*	270
280				22.5	376.4	172,800*	34.8	416.3	253,900*	43.7	438.2	236,700*	51.2	450.0	219,800*	280
290				14.6	345.2	163,600*	30.2	400.1	241,600*	40.1	426.8	226,000*	48.0	441.2	209,800*	290
300							24.9	380.3	226,300*	36.2	413.7	216,000*	44.7	431.4	200,400*	300
310							18.2	353.9	212,200*	31.8	398.4	206,600*	41.1	420.4	191,500*	310
320							5.8	303.4	200,400*	26.8	380.0	197,600*	37.3	407.7	183,200*	320
330										20.7	356.4	189,000*	33.0	393.1	175,300*	330
340										11.7	320.1	180,500*	28.2	375.7	167,800*	340
350													22.5	353.8	160,500*	350
360													14.7	322.6	153,400*	360

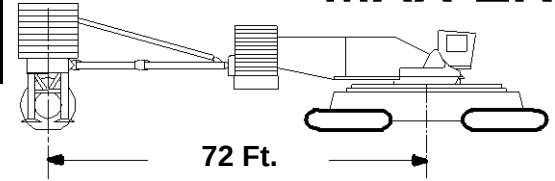
Capacities indicated by (b) require
37,000 Lb. minimum weight suspended
beneath luffing jib point.

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**



280 Ft. Boom, 260 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
105	74.6	540.9	292,800*													105
110	73.4	539.4	292,800*													110
115	72.3	537.8	292,800*													115
120	71.1	536.1	292,800*													120
125	69.9	534.3	292,400*													125
130	68.7	532.3	286,000*													130
135	67.5	530.2	279,200*													135
140	66.3	528.0	272,200*													140
145	65.1	525.7	264,900*													145
150	63.9	523.2	257,700*	69.8	530.6	306,800*										150
155	62.6	520.6	250,300*	68.6	528.6	306,800*										155
160	61.4	517.9	242,800*	67.4	526.5	306,800*										160
165	60.1	515.0	235,300*	66.2	524.3	306,800*										165
170	58.8	512.0	227,900*	65.0	522.0	306,800*										170
175	57.5	508.8	220,600*	63.7	519.5	306,800*										175
180	56.2	505.4	213,400*	62.5	516.9	304,700*										180
185	54.8	501.9	206,300*	61.2	514.1	299,000*										185
190	53.5	498.2	199,400*	60.0	511.2	293,100*										190
195	52.1	494.3	192,600*	58.7	508.1	286,700*	64.7	515.9	310,400*							195
200	50.7	490.2	186,100*	57.4	504.9	280,000*	63.5	513.4	310,400*							200
205	49.2	485.8	179,800*	56.0	501.6	273,000*	62.2	510.8	310,400*							205
210	47.7	481.3	173,600*	54.7	498.0	265,900*	61.0	508.0	310,400*							210
215	46.2	476.5	167,600*	53.3	494.3	258,600*	59.7	505.1	310,400*							215
220	44.6	471.4	162,100*	51.9	490.3	251,300*	58.4	502.0	310,400*							220
225	43.0	466.1	156,700*	50.5	486.2	243,900*	57.1	498.7	307,200*							225
230	41.3	460.4	151,500*	49.0	481.9	236,600*	55.7	495.3	303,100*							230
235	39.6	454.4	146,500*	47.5	477.3	229,200*	54.4	491.7	298,700*							235
240	37.8	448.0	141,800*	46.0	472.5	222,200*	53.0	488.0	294,200*	59.3	496.5	282,800*				240
245	36.0	441.2	137,300*	44.4	467.4	215,200*	51.6	484.0	289,600*	58.0	493.4	275,600*				245
250	34.0	433.8	133,100*	42.8	462.0	208,400*	50.2	479.8	284,900*	56.7	490.1	268,700*				250
260	29.7	417.3	125,500*	39.4	450.2	195,000*	47.2	470.8	274,900*	54.0	482.9	255,600*				260
270	24.8	397.2	118,900*	35.7	436.8	182,800*	44.1	460.8	259,900*	51.1	475.1	243,500*				270
280	18.6	371.2	113,700*	31.7	421.4	171,400*	40.8	449.5	245,700*	48.2	466.4	232,200*	54.7	475.3	214,800*	280
290	8.8	327.8	111,200*	27.1	403.1	161,100*	37.2	436.9	231,600*	45.2	456.7	221,700*	51.9	467.6	204,900*	290
300				21.5	380.2	151,900*	33.3	422.3	218,100*	41.9	445.9	211,800*	49.0	459.2	195,600*	300
310				14.0	347.5	144,500*	29.0	405.3	205,400*	38.5	433.8	202,400*	46.0	449.8	186,900*	310
320							23.9	384.5	193,600*	34.7	419.9	193,700*	42.8	439.3	178,700*	320
330							17.4	356.9	183,000*	30.5	403.8	185,300*	39.4	427.5	170,900*	330
340							5.6	304.2	174,800*	25.7	384.5	177,400*	35.7	414.2	163,600*	340
350										19.8	359.8	169,700*	31.7	398.7	156,600*	350
360										11.2	321.9	162,100*	27.1	380.4	149,900*	360
370													21.6	357.5	143,400*	370
380													14.0	324.9	137,000*	380

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 Ft. Mast No. 81

494,700 Lb. Crane Counterweight

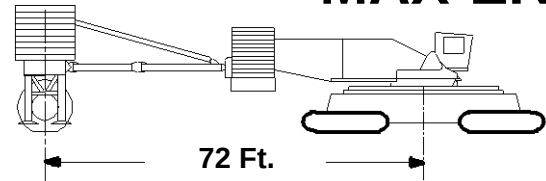
200,000 Lb. Carbody Counterweight

1,124,000 Lb. Wheeled Counterweight

at 72 Ft. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



280 Ft. Boom, 280 Ft. Jib

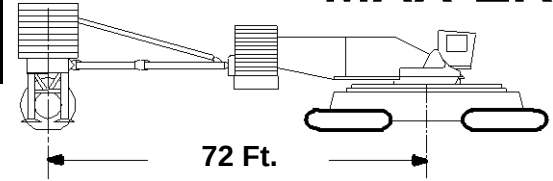
Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
110	74.6	560.3	265,100*													110
115	73.6	558.8	262,600*													115
120	72.5	557.2	262,600*													120
125	71.4	555.5	262,600*													125
130	70.3	553.7	262,600*													130
135	69.2	551.8	259,600*													135
140	68.1	549.8	254,100*													140
145	67.0	547.7	248,400*													145
150	65.9	545.4	242,400*													150
155	64.8	543.1	236,300*													155
160	63.6	540.6	230,200*	69.1	548.2	273,500*										160
165	62.5	537.9	224,000*	68.0	546.1	273,500*										165
170	61.3	535.2	217,700*	66.9	544.0	273,500*										170
175	60.1	532.3	211,300*	65.7	541.7	273,500*										175
180	58.9	529.3	205,100*	64.6	539.3	273,500*										180
185	57.7	526.1	198,800*	63.5	536.8	273,500*										185
190	56.5	522.8	192,700*	62.3	534.2	273,500*										190
195	55.2	519.3	186,700*	61.1	531.4	269,200*										195
200	54.0	515.7	180,700*	60.0	528.5	264,300*										200
205	52.7	511.9	175,000*	58.8	525.5	259,100*	64.4	533.3	274,000*							205
210	51.4	507.9	169,300*	57.5	522.3	253,500*	63.2	530.8	274,000*							210
215	50.0	503.7	163,900*	56.3	518.9	247,800*	62.1	528.1	274,000*							215
220	48.7	499.3	158,600*	55.1	515.4	241,800*	60.9	525.3	274,000*							220
225	47.3	494.6	153,500*	53.8	511.8	235,800*	59.7	522.4	274,000*							225
230	45.8	489.8	148,500*	52.5	507.9	229,600*	58.5	519.3	274,000*							230
235	44.4	484.7	143,700*	51.2	503.9	223,400*	57.3	516.1	270,700*							235
240	42.9	479.3	139,200*	49.9	499.7	217,200*	56.1	512.7	264,500*							240
245	41.3	473.7	134,800*	48.5	495.3	211,100*	54.8	509.2	258,200*							245
250	39.7	467.7	130,600*	47.1	490.6	204,900*	53.5	505.5	251,600*	59.3	513.8	246,900*				250
260	36.4	454.6	122,800*	44.2	480.6	192,800*	50.9	497.5	237,700*	56.9	507.4	246,900*				260
270	32.7	439.7	115,700*	41.1	469.5	181,400*	48.2	488.8	223,700*	54.4	500.4	239,800*				270
280	28.6	422.3	109,500*	37.9	457.1	170,500*	45.4	479.2	209,900*	51.8	492.7	228,600*				280
290	23.9	401.4	104,200*	34.3	443.0	160,200*	42.4	468.5	196,400*	49.1	484.3	218,100*				290
300	17.9	374.2	100,000*	30.5	426.8	150,900*	39.2	456.7	183,500*	46.3	475.0	208,300*	52.5	485.2	191,800*	300
310	8.5	329.2	98,300*	26.0	407.7	142,300*	35.8	443.3	171,100*	43.4	464.7	199,100*	49.9	477.0	183,200*	310
320				20.7	383.8	132,800*	32.1	428.0	159,500*	40.3	453.3	188,400*	47.1	467.9	175,100*	320
330				13.5	349.8	124,600*	27.9	410.2	148,600*	37.0	440.4	176,100*	44.2	457.9	167,400*	330
340							23.0	388.5	138,500*	33.4	425.9	164,400*	41.1	446.8	160,100*	340
350							16.7	359.7	129,500*	29.4	409.0	153,300*	37.9	434.4	153,300*	350
360							5.3	305.1	122,400*	24.7	388.9	143,000*	34.4	420.3	146,700*	360
370										19.1	363.1	133,600*	30.5	404.2	140,500*	370
380										10.8	323.7	125,600*	26.0	385.0	134,500*	380
390													20.7	361.1	128,600*	390
400													13.5	327.2	122,900*	400

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



280 Ft. Boom, 300 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
115	74.7	579.7	233,500*													115
120	73.7	578.2	233,500*													120
125	72.7	576.6	233,500*													125
130	71.7	575.0	233,500*													130
135	70.7	573.2	233,500*													135
140	69.7	571.3	233,500*													140
145	68.6	569.4	230,600*													145
150	67.6	567.3	225,900*													150
155	66.6	565.1	221,000*													155
160	65.5	562.8	216,000*													160
165	64.4	560.4	211,000*	69.5	567.7	241,000*										165
170	63.4	557.9	205,800*	68.5	565.7	241,000*										170
175	62.3	555.3	200,500*	67.5	563.6	241,000*										175
180	61.2	552.5	195,200*	66.4	561.4	241,000*										180
185	60.1	549.6	189,800*	65.4	559.1	241,000*										185
190	59.0	546.6	184,500*	64.3	556.7	241,000*										190
195	57.9	543.5	179,300*	63.2	554.2	241,000*										195
200	56.7	540.2	174,000*	62.2	551.5	241,000*										200
205	55.6	536.7	168,900*	61.1	548.7	241,000*										205
210	54.4	533.1	163,800*	60.0	545.8	237,400*										210
215	53.2	529.4	158,900*	58.8	542.8	230,300*	64.1	550.7	240,900*							215
220	52.0	525.5	154,000*	57.7	539.6	223,500*	63.0	548.1	240,900*							220
225	50.7	521.4	149,300*	56.6	536.3	216,400*	61.9	545.4	240,900*							225
230	49.5	517.1	144,700*	55.4	532.9	209,200*	60.8	542.6	238,000*							230
235	48.2	512.7	140,300*	54.2	529.3	202,200*	59.7	539.7	232,500*							235
240	46.9	508.0	136,000*	53.0	525.5	195,100*	58.6	536.6	226,900*							240
245	45.6	503.1	131,800*	51.8	521.6	188,200*	57.5	533.4	220,800*							245
250	44.2	497.9	127,800*	50.6	517.5	181,300*	56.3	530.1	214,400*							250
260	41.3	486.9	120,200*	48.0	508.7	168,100*	54.0	523.0	201,300*	59.4	531.2	214,400*				260
270	38.3	474.6	113,200*	45.4	499.0	155,300*	51.6	515.2	187,900*	57.1	524.8	210,300*				270
280	35.1	460.9	106,800*	42.6	488.4	143,100*	49.1	506.7	174,700*	54.8	517.9	200,500*				280
290	31.5	445.3	101,000*	39.7	476.7	131,500*	46.5	497.4	161,800*	52.4	510.3	189,400*				290
300	27.6	427.2	95,000*	36.5	463.7	120,600*	43.7	487.2	149,400*	49.9	502.1	177,500*				300
310	23.0	405.4	86,500*	33.1	449.0	110,400*	40.9	476.0	137,600*	47.4	493.1	165,300*	53.0	502.8	178,300*	310
320	17.3	377.2	78,900*	29.4	432.1	100,800*	37.8	463.5	126,300*	44.7	483.2	153,300*	50.6	494.8	170,300*	320
330	8.2	330.5	72,700*	25.1	412.1	91,900*	34.5	449.5	115,800*	41.9	472.4	141,600*	48.0	486.0	162,700*	330
340				20.0	387.2	83,700*	30.9	433.6	105,900*	38.9	460.3	130,300*	45.4	476.3	154,800*	340
350				13.0	352.0	76,600*	26.9	414.9	96,400*	35.7	446.9	119,600*	42.6	465.7	143,900*	350
360							22.2	392.4	87,900*	32.2	431.6	109,600*	39.7	454.0	133,000*	360
370							16.1	362.5	80,200*	28.3	414.0	100,100*	36.5	441.0	122,500*	370
380							5.1	305.8	74,400*	23.9	393.0	91,400*	33.1	426.3	112,500*	380
390										18.4	366.3	83,400*	29.4	409.4	103,000*	390
400										10.4	325.5	76,700*	25.1	389.4	94,200*	400
410													20.0	364.6	86,000*	410
420													13.0	329.4	78,900*	420

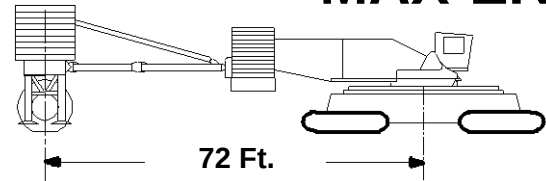
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
 Boom No. 80 With 140 Ft. Mast No. 81
 494,700 Lb. Crane Counterweight
 200,000 Lb. Carbody Counterweight
 1,124,000 Lb. Wheeled Counterweight
 at 72 Ft. Position

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



Narrow or Wide Crawler Arrangement - 360 Degree Rating

300 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70			c													70
75			c													75
80			c													80
85			c													85
90			c													90
95	61.2	414.7	521,500*b													95
100	58.4	411.6	498,500*b													100
105	55.5	408.2	475,800*b			c										105
110	52.5	404.3	453,700*b			c										110
115	49.4	400.0	432,300*b			c										115
120	46.0	395.2	412,000*	61.8	411.7	550,600*b										120
125	42.5	389.8	392,700*	59.0	408.7	536,700*b										125
130	38.7	383.6	374,700*	56.2	405.3	522,500*b										130
135	34.6	376.5	358,100*	53.2	401.6	508,900*b										135
140	29.9	368.1	343,100*	50.1	397.4	495,100*b			c							140
145	24.4	357.6	330,200*	46.8	392.7	481,500*	62.2	406.2	532,100*b							145
150	17.1	343.2	320,400*	43.3	387.4	468,200*	59.4	403.2	520,200*b							150
155				39.6	381.4	453,000*	56.6	399.9	507,800*b							155
160				35.5	374.5	433,300*	53.6	396.2	495,100*b							160
165				31.0	366.4	414,800*	50.5	392.1	482,200*b							165
170				25.7	356.5	397,800*	47.2	387.4	469,300*b							170
175				18.9	343.3	383,000*	43.8	382.3	456,400*	59.5	395.1	436,000*b				175
180				6.6	317.9	372,200*	40.1	376.4	443,300*	56.6	391.8	422,500*b				180
185							36.1	369.6	430,700*	53.6	388.1	409,700*b				185
190							31.6	361.7	418,100*	50.5	384.0	397,500*b				190
195							26.5	352.1	405,400*	47.3	379.4	385,800*b				195
200							20.0	339.5	392,200*	43.8	374.2	374,700*				200
205							9.5	318.0	378,200*	40.2	368.3	364,100*				205
210										36.2	361.6	353,900*	53.2	377.3	332,800*b	210
215										31.7	353.7	344,100*	50.1	373.1	323,800*b	215
220										26.5	344.1	334,600*	46.8	368.4	315,100*b	220
225										20.1	331.6	325,200*	43.3	363.1	306,700*	225
230										9.7	310.4	315,600*	39.6	357.1	298,700*	230
235													35.5	350.2	290,900*	235
240													31.0	342.1	283,300*	240
245													25.7	332.2	275,900*	245
250													18.9	319.0	268,600*	250

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

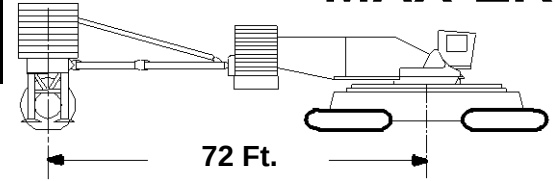
Do not luff into area indicated by (c)
 with 37,000 Lb. minimum weight
 (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



300 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
75			c													75
80			c													80
85			c													85
90			c													90
95	65.7	437.3	489,500*b													95
100	63.4	434.8	470,500*b													100
105	61.0	432.0	451,300*b													105
110	58.6	429.0	432,100*b													110
115	56.2	425.6	413,200*b			c										115
120	53.6	421.9	394,700*	66.2	434.2	525,000*b										120
125	51.0	417.9	376,900*	63.9	431.8	513,700*b										125
130	48.3	413.4	359,900*	61.6	429.0	502,000*b										130
135	45.4	408.5	343,600*	59.2	426.0	490,100*b										135
140	42.4	403.0	328,200*	56.7	422.7	478,200*b										140
145	39.1	396.9	313,800*	54.2	419.1	466,200*										145
150	35.7	390.1	300,400*	51.6	415.1	454,400*	64.2	426.2	495,500*b							150
155	31.8	382.2	288,100*	48.9	410.8	440,000*	61.9	423.5	486,300*b							155
160	27.5	372.9	277,100*	46.0	406.0	421,900*	59.5	420.5	476,400*b							160
165	22.4	361.5	267,800*	43.0	400.6	404,300*	57.1	417.3	466,000*b							165
170	15.7	345.8	260,800*	39.9	394.7	387,300*	54.5	413.7	455,300*b							170
175				36.4	388.0	371,000*	51.9	409.8	444,400*							175
180				32.7	380.4	355,600*	49.2	405.5	433,500*							180
185				28.5	371.4	341,200*	46.4	400.7	422,600*	59.5	412.5	404,800*b				185
190				23.6	360.6	328,000*	43.5	395.5	411,800*	57.1	409.2	392,800*b				190
195				17.4	346.2	316,600*	40.3	389.6	400,700*	54.6	405.6	381,300*b				195
200				5.9	318.7	308,400*	36.9	383.1	390,100*	52.0	401.7	370,400*				200
205							33.2	375.6	379,700*	49.3	397.4	360,000*				205
210							29.1	366.8	369,200*	46.5	392.7	350,100*				210
215							24.4	356.3	358,600*	43.5	387.4	340,500*				215
220							18.4	342.6	347,500*	40.4	381.6	331,400*	54.2	394.8	310,300*b	220
225							8.6	319.3	335,900*	37.0	375.0	322,600*	51.6	390.8	302,100*	225
230										33.3	367.6	314,100*	48.9	386.5	294,300*	230
235										29.2	358.8	305,900*	46.0	381.7	286,700*	235
240										24.4	348.3	297,900*	43.0	376.3	279,400*	240
245										18.5	334.7	290,000*	39.9	370.4	272,400*	245
250										8.8	311.7	281,800*	36.5	363.7	265,600*	250
260													28.5	347.2	252,600*	260
270													17.4	321.9	240,000*	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

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 Ft. Mast No. 81

494,700 Lb. Crane Counterweight

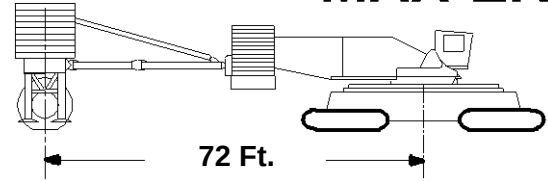
200,000 Lb. Carbody Counterweight

1,124,000 Lb. Wheeled Counterweight

at 72 Ft. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



300 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
80			c													80
85			c													85
90			c													90
95	68.9	459.2	457,300*b													95
100	67.0	457.1	442,200*b													100
105	65.0	454.7	426,500*b													105
110	63.0	452.1	410,400*b													110
115	60.9	449.3	394,200*b													115
120	58.8	446.3	378,100*	69.3	456.0	497,700*b										120
125	56.7	443.0	362,300*	67.4	453.9	489,000*b										125
130	54.5	439.4	346,900*	65.4	451.6	479,700*b										130
135	52.2	435.5	332,000*	63.4	449.1	469,900*b										135
140	49.9	431.3	317,700*	61.4	446.3	459,800*b										140
145	47.4	426.7	304,000*	59.3	443.4	449,800*										145
150	44.9	421.7	290,900*	57.1	440.1	439,500*										150
155	42.2	416.2	278,500*	55.0	436.6	425,300*										155
160	39.4	410.2	266,800*	52.7	432.8	409,700*	63.7	443.5	454,100*b							160
165	36.4	403.5	255,900*	50.4	428.6	394,300*	61.6	440.8	446,400*b							165
170	33.2	396.0	245,800*	48.0	424.1	379,000*	59.6	437.9	438,100*b							170
175	29.7	387.4	236,600*	45.5	419.2	364,000*	57.4	434.7	429,300*							175
180	25.6	377.4	228,400*	42.8	413.8	349,300*	55.3	431.2	420,300*							180
185	20.9	365.0	221,400*	40.1	407.9	335,200*	53.0	427.4	411,100*							185
190	14.6	348.2	216,400*	37.1	401.4	321,600*	50.7	423.3	401,800*							190
195				33.9	394.1	308,700*	48.3	418.9	392,500*	59.6	429.8	377,800*b				195
200				30.5	385.8	296,500*	45.8	414.0	383,200*	57.5	426.6	367,000*				200
205				26.6	376.1	285,200*	43.2	408.7	374,100*	55.3	423.1	356,700*				205
210				22.0	364.4	274,900*	40.5	402.9	365,000*	53.0	419.3	346,900*				210
215				16.2	348.9	266,000*	37.5	396.4	356,000*	50.7	415.2	337,500*				215
220				5.4	319.4	259,800*	34.4	389.2	346,700*	48.3	410.8	328,500*				220
225							31.0	381.1	337,900*	45.8	406.0	319,900*				225
230							27.1	371.6	329,100*	43.2	400.7	311,600*	55.0	412.3	290,800*	230
235							22.7	360.2	320,000*	40.5	394.8	303,600*	52.7	408.5	283,400*	235
240							17.1	345.4	311,000*	37.6	388.4	295,900*	50.4	404.3	276,200*	240
245							8.0	320.5	300,800*	34.4	381.2	288,500*	48.0	399.8	269,400*	245
250										31.0	373.1	281,400*	45.5	394.9	262,700*	250
260										22.7	352.3	267,600*	40.1	383.7	250,200*	260
270										8.2	312.9	253,800*	33.9	369.8	238,400*	270
280													26.6	351.8	227,200*	280
290													16.2	324.6	216,300*	290

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

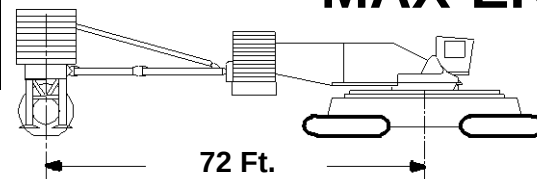
Do not luff into area indicated by (c)
with 37,000 Lb. minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

21000
MAX-ER



at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

300 Ft. Boom, 180 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
85			c													85
90			c													90
95	71.4	480.6	415,400*b													95
100	69.7	478.8	411,900*b													100
105	67.9	476.7	399,600*b													105
110	66.2	474.5	386,600*b													110
115	64.4	472.1	373,200*b													115
120	62.6	469.5	359,600*													120
125	60.8	466.7	346,200*	70.0	475.5	449,100*b										125
130	59.0	463.6	332,800*	68.3	473.5	449,100*b										130
135	57.1	460.4	319,500*	66.6	471.4	446,100*b										135
140	55.1	456.9	306,600*	64.8	469.0	438,100*b										140
145	53.1	453.1	293,800*	63.0	466.4	428,800*										145
150	51.1	449.1	281,800*	61.2	463.7	417,800*										150
155	49.0	444.7	270,200*	59.4	460.7	405,900*										155
160	46.8	440.0	259,100*	57.5	457.5	393,400*										160
165	44.5	435.0	248,500*	55.5	454.0	380,600*										165
170	42.1	429.5	238,400*	53.6	450.3	367,400*	63.3	460.9	415,600*							170
175	39.7	423.5	228,900*	51.5	446.4	354,400*	61.5	458.1	409,200*							175
180	37.0	416.9	220,000*	49.4	442.1	341,500*	59.6	455.2	402,200*							180
185	34.2	409.7	211,600*	47.3	437.5	328,700*	57.7	452.0	394,900*							185
190	31.2	401.5	204,000*	45.0	432.5	316,100*	55.8	448.6	387,200*							190
195	27.9	392.3	197,000*	42.7	427.1	303,900*	53.8	444.9	379,400*							195
200	24.1	381.6	190,800*	40.2	421.2	292,200*	51.8	441.0	371,500*							200
205	19.6	368.4	185,500*	37.6	414.8	280,800*	49.7	436.8	363,500*	59.6	447.1	351,700*				205
210	13.7	350.4	181,900*	34.9	407.7	270,000*	47.6	432.2	355,500*	57.8	443.9	341,900*				210
215				31.9	399.8	259,800*	45.3	427.3	347,600*	55.8	440.5	332,600*				215
220				28.6	390.8	250,100*	43.0	421.9	339,700*	53.9	436.9	323,700*				220
225				25.0	380.4	241,200*	40.6	416.1	331,900*	51.8	432.9	315,200*				225
230				20.7	367.9	233,100*	38.0	409.8	324,200*	49.7	428.7	307,100*				230
235				15.2	351.4	226,100*	35.3	402.8	316,600*	47.6	424.1	299,200*				235
240				5.1	320.0	221,300*	32.3	395.0	309,000*	45.4	419.2	291,700*				240
245							29.1	386.2	301,100*	43.0	413.9	284,400*	53.6	426.0	264,300*	245
250							25.5	376.1	293,400*	40.6	408.1	277,400*	51.5	422.1	257,800*	250
260							16.0	348.1	277,800*	35.3	394.7	264,100*	47.3	413.2	245,500*	260
270										29.1	378.2	251,700*	42.7	402.8	234,000*	270
280										21.4	355.9	239,800*	37.6	390.5	223,200*	280
290										7.6	314.1	227,900*	31.9	375.5	213,000*	290
300													25.0	356.2	203,300*	300
310													15.2	327.1	193,800*	310

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

494,700 Lb. Crane Counterweight

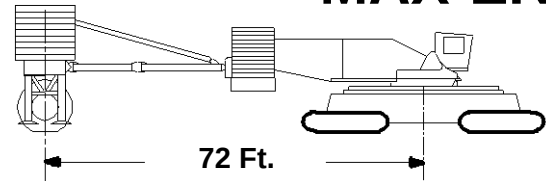
200,000 Lb. Carbody Counterweight

1,124,000 Lb. Wheeled Counterweight

at 72 Ft. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



300 Ft. Boom, 200 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
90																90
95	73.3	501.7	371,500* ^b													95
100	71.8	500.1	371,500* ^b													100
105	70.3	498.3	371,400* ^b													105
110	68.7	496.3	362,100* ^b													110
115	67.2	494.2	351,400*													115
120	65.6	491.9	340,400*													120
125	64.0	489.4	329,100*													125
130	62.4	486.8	317,900*													130
135	60.7	484.0	306,600*	69.1	493.1	401,900* ^b										135
140	59.1	481.0	295,300*	67.5	491.0	401,900* ^b										140
145	57.4	477.8	284,100*	65.9	488.8	398,800*										145
150	55.6	474.3	273,300*	64.3	486.3	391,200*										150
155	53.8	470.7	262,700*	62.7	483.7	382,600*										155
160	52.0	466.8	252,400*	61.1	481.0	373,600*										160
165	50.2	462.6	242,300*	59.4	478.0	363,700*										165
170	48.2	458.1	232,900*	57.7	474.8	353,300*										170
175	46.3	453.3	223,800*	56.0	471.5	342,600*	64.6	480.8	381,100*							175
180	44.2	448.2	215,100*	54.2	467.8	331,700*	63.0	478.2	376,300*							180
185	42.1	442.7	206,800*	52.4	464.0	320,700*	61.3	475.5	371,000*							185
190	39.8	436.7	199,000*	50.6	459.9	309,500*	59.7	472.5	365,300*							190
195	37.5	430.3	191,600*	48.7	455.5	298,800*	58.0	469.4	359,200*							195
200	35.0	423.2	184,700*	46.7	450.8	288,100*	56.2	466.0	352,800*							200
205	32.4	415.4	178,200*	44.7	445.7	277,600*	54.5	462.4	346,300*							205
210	29.5	406.8	172,200*	42.5	440.3	267,300*	52.7	458.6	339,600*							210
215	26.4	397.0	166,800*	40.3	434.4	257,500*	50.8	454.5	332,900*	59.7	464.4	328,900*				215
220	22.8	385.5	162,100*	38.0	428.1	248,000*	48.9	450.2	326,200*	58.0	461.3	320,100*				220
225	18.5	371.6	158,100*	35.6	421.2	238,800*	47.0	445.5	319,400*	56.3	458.0	311,600*				225
230	12.9	352.6	155,400*	33.0	413.6	230,100*	44.9	440.5	312,700*	54.5	454.4	303,500*				230
235				30.2	405.1	221,900*	42.8	435.1	306,000*	52.7	450.6	295,700*				235
240				27.1	395.6	214,200*	40.6	429.4	299,400*	50.9	446.5	288,300*				240
245				23.6	384.5	207,000*	38.3	423.1	292,800*	49.0	442.1	281,100*				245
250				19.5	371.3	200,600*	35.9	416.2	286,300*	47.0	437.5	274,200*				250
260				4.7	320.7	191,300*	30.6	400.4	273,500*	42.9	427.1	261,100*	52.4	439.7	241,800*	260
270							24.1	380.3	259,200*	38.4	415.0	248,900*	48.7	431.2	230,500*	270
280							15.2	350.7	242,500*	33.4	400.7	237,500*	44.7	421.4	219,900*	280
290										27.6	383.1	226,700*	40.3	410.2	210,000*	290
300										20.2	359.4	216,400*	35.6	396.9	200,600*	300
310										7.2	315.2	205,900*	30.2	380.8	191,700*	310
320													23.6	360.3	183,200*	320
330													14.3	329.5	174,800*	330

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

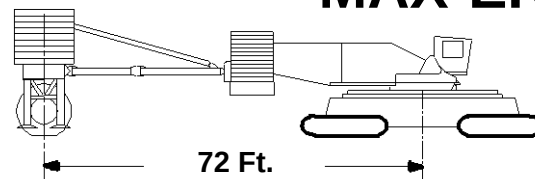
Do not luff into area indicated by (c)
with 37,000 Lb. minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

21000
MAX-ER



at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

300 Ft. Boom, 220 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
95	74.9	522.6	333,100* ^b													95
100	73.5	521.1	333,100* ^b													100
105	72.1	519.5	333,100* ^b													105
110	70.7	517.7	333,100* ^b													110
115	69.4	515.8	327,800*													115
120	67.9	513.8	319,000*													120
125	66.5	511.6	309,900*													125
130	65.1	509.3	300,500*													130
135	63.6	506.8	291,100*													135
140	62.2	504.1	281,500*	69.7	512.6	356,700*										140
145	60.7	501.3	271,900*	68.3	510.6	356,700*										145
150	59.1	498.3	262,400*	66.8	508.5	356,700*										150
155	57.6	495.1	253,000*	65.4	506.2	355,900*										155
160	56.0	491.7	243,800*	64.0	503.7	349,500*										160
165	54.4	488.2	234,800*	62.5	501.1	342,200*										165
170	52.8	484.3	226,100*	61.0	498.3	334,600*										170
175	51.1	480.3	217,600*	59.5	495.3	326,300*										175
180	49.4	476.0	209,500*	57.9	492.2	317,600*										180
185	47.6	471.5	201,600*	56.4	488.9	308,600*	64.2	498.1	349,100*							185
190	45.8	466.6	194,100*	54.8	485.3	299,400*	62.7	495.5	345,200*							190
195	44.0	461.4	187,000*	53.2	481.6	290,200*	61.2	492.8	340,800*							195
200	42.0	455.9	180,200*	51.5	477.6	280,900*	59.7	489.8	336,000*							200
205	40.0	450.0	173,700*	49.8	473.3	271,600*	58.2	486.7	330,900*							205
210	37.9	443.6	167,500*	48.0	468.8	262,300*	56.6	483.4	325,500*							210
215	35.7	436.7	161,700*	46.2	464.1	253,400*	55.0	479.9	320,000*							215
220	33.3	429.2	156,300*	44.4	459.0	244,600*	53.4	476.2	314,300*							220
225	30.8	420.9	151,200*	42.4	453.5	236,000*	51.7	472.2	308,500*	59.7	481.8	306,500*				225
230	28.1	411.7	146,600*	40.4	447.7	227,700*	50.0	468.0	302,700*	58.2	478.6	298,500*				230
235	25.1	401.3	142,300*	38.4	441.4	219,700*	48.3	463.6	296,800*	56.6	475.3	290,800*				235
240	21.7	389.3	138,600*	36.2	434.6	212,000*	46.5	458.8	290,900*	55.0	471.8	283,400*				240
245	17.6	374.6	135,600*	33.8	427.2	204,600*	44.6	453.8	285,100*	53.4	468.1	276,300*				245
250	12.3	354.6	133,600*	31.4	419.2	197,600*	42.7	448.4	279,300*	51.7	464.2	269,400*				250
260				25.8	400.1	184,700*	38.6	436.4	267,700*	48.3	455.5	256,500*				260
270				18.6	374.4	173,800*	34.2	422.4	256,400*	44.7	445.7	244,500*	53.2	457.3	225,400*	270
280				4.5	321.3	166,400*	29.1	405.6	242,200*	40.7	434.6	233,300*	49.8	449.1	215,000*	280
290							22.9	384.2	226,600*	36.5	421.6	222,800*	46.2	439.8	205,200*	290
300							14.4	353.1	212,800*	31.7	406.4	212,800*	42.4	429.2	196,000*	300
310										26.2	387.7	203,400*	38.4	417.1	187,400*	310
320										19.2	362.7	194,400*	33.8	403.0	179,200*	320
330										6.8	316.2	185,100*	28.7	385.9	171,400*	330
340													22.5	364.2	163,900*	340
350													13.6	331.8	156,400*	350

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

494,700 Lb. Crane Counterweight

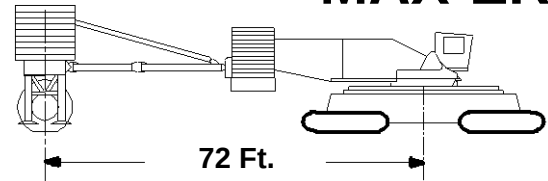
200,000 Lb. Carbody Counterweight

1,124,000 Lb. Wheeled Counterweight

at 72 Ft. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



300 Ft. Boom, 240 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
100	74.9	542.0	299,400*													100
105	73.7	540.5	299,400*													105
110	72.4	538.9	299,400*													110
115	71.2	537.2	299,400*													115
120	69.9	535.4	297,600*													120
125	68.6	533.4	290,500*													125
130	67.3	531.3	283,000*													130
135	66.0	529.0	275,200*													135
140	64.7	526.6	267,400*													140
145	63.3	524.1	259,400*													145
150	62.0	521.4	251,300*	68.9	530.2	320,400*										150
155	60.6	518.6	243,300*	67.6	528.1	320,400*										155
160	59.2	515.6	235,300*	66.3	525.9	320,400*										160
165	57.8	512.5	227,400*	65.0	523.5	319,100*										165
170	56.4	509.1	219,600*	63.6	521.0	313,700*										170
175	54.9	505.6	212,000*	62.3	518.4	307,700*										175
180	53.4	501.9	204,600*	60.9	515.6	301,400*										180
185	51.9	498.0	197,400*	59.5	512.7	294,500*										185
190	50.4	493.8	190,400*	58.1	509.5	287,300*										190
195	48.8	489.4	183,700*	56.7	506.2	279,800*	63.8	515.5	319,600*							195
200	47.1	484.8	177,200*	55.2	502.8	272,200*	62.5	512.9	316,400*							200
205	45.5	479.9	170,900*	53.8	499.1	264,400*	61.1	510.1	312,700*							205
210	43.7	474.7	165,000*	52.2	495.2	256,600*	59.7	507.2	308,600*							210
215	42.0	469.1	159,400*	50.7	491.1	248,800*	58.3	504.1	304,300*							215
220	40.1	463.2	154,000*	49.1	486.8	241,000*	56.9	500.8	299,800*							220
225	38.2	456.9	148,800*	47.5	482.2	233,300*	55.4	497.3	295,000*							225
230	36.2	450.1	144,000*	45.8	477.4	225,700*	54.0	493.7	290,100*							230
235	34.1	442.8	139,400*	44.1	472.2	218,400*	52.4	489.8	285,100*	59.7	499.1	286,000*				235
240	31.8	434.9	135,100*	42.4	466.7	211,200*	50.9	485.8	280,100*	58.3	496.0	279,200*				240
245	29.4	426.1	131,100*	40.5	460.9	204,200*	49.3	481.5	274,900*	56.9	492.7	272,200*				245
250	26.8	416.5	127,400*	38.6	454.7	197,400*	47.7	476.9	269,800*	55.5	489.3	265,400*				250
260	20.7	392.9	121,300*	34.5	440.8	184,600*	44.4	467.0	259,500*	52.5	481.8	252,500*				260
270	11.7	356.6	117,600*	30.0	424.5	173,000*	40.8	455.8	249,200*	49.4	473.4	240,600*				270
280				24.6	404.4	162,600*	36.9	443.0	239,000*	46.1	464.1	229,500*	53.8	474.8	210,800*	280
290				17.7	377.5	153,800*	32.6	428.2	228,400*	42.6	453.6	219,100*	50.7	466.8	201,100*	290
300				4.2	321.9	148,300*	27.8	410.5	214,600*	38.9	441.6	209,300*	47.5	457.9	192,000*	300
310							21.9	388.0	201,700*	34.9	427.9	200,200*	44.1	447.9	183,500*	310
320							13.7	355.4	190,400*	30.3	411.8	191,400*	40.5	436.6	175,400*	320
330										25.0	392.1	183,100*	36.6	423.7	167,800*	330
340										18.3	365.9	175,100*	32.3	408.7	160,600*	340
350										6.5	317.2	166,800*	27.4	390.7	153,700*	350
360													21.5	367.9	147,000*	360
370													13.0	334.0	140,300*	370

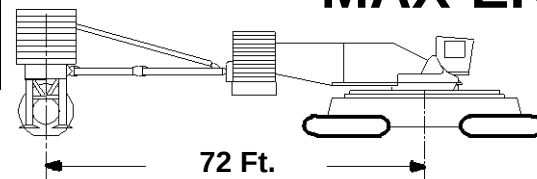
Capacities indicated by (b) require
37,000 Lb. minimum weight suspended
beneath luffing jib point.

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

**21000
MAX-ER**



**at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

300 Ft. Boom, 260 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
105	75.0	561.4	268,400*													105
110	73.8	559.9	268,400*													110
115	72.7	558.3	268,400*													115
120	71.5	556.6	268,400*													120
125	70.3	554.8	268,400*													125
130	69.1	552.9	263,600*													130
135	68.0	550.9	257,400*													135
140	66.8	548.7	251,000*													140
145	65.5	546.4	244,400*													145
150	64.3	544.0	237,800*													150
155	63.1	541.5	231,000*	69.4	549.7	284,100*										155
160	61.8	538.8	224,200*	68.2	547.7	284,100*										160
165	60.6	535.9	217,400*	67.0	545.6	284,100*										165
170	59.3	533.0	210,600*	65.8	543.3	284,100*										170
175	58.0	529.8	203,900*	64.6	540.9	284,100*										175
180	56.7	526.5	197,200*	63.4	538.4	281,400*										180
185	55.3	523.0	190,800*	62.1	535.7	276,300*										185
190	54.0	519.4	184,400*	60.8	532.9	271,100*										190
195	52.6	515.6	178,300*	59.6	530.0	265,400*										195
200	51.2	511.5	172,300*	58.3	526.9	259,400*	64.8	535.3	288,000*							200
205	49.7	507.3	166,500*	56.9	523.6	253,100*	63.5	532.8	288,000*							205
210	48.2	502.8	160,800*	55.6	520.2	246,700*	62.3	530.2	288,000*							210
215	46.7	498.1	155,400*	54.3	516.6	240,200*	61.0	527.4	286,700*							215
220	45.2	493.2	150,300*	52.9	512.8	233,600*	59.7	524.5	283,400*							220
225	43.6	487.9	145,300*	51.5	508.8	226,900*	58.4	521.4	279,800*							225
230	41.9	482.4	140,400*	50.0	504.6	220,300*	57.1	518.2	276,000*							230
235	40.2	476.5	135,900*	48.6	500.2	213,700*	55.8	514.8	272,000*							235
240	38.5	470.2	131,600*	47.0	495.5	207,200*	54.4	511.2	267,900*							240
245	36.6	463.5	127,500*	45.5	490.6	200,800*	53.1	507.4	263,600*	59.8	516.4	260,700*				245
250	34.7	456.4	123,600*	43.9	485.5	194,500*	51.7	503.4	259,300*	58.5	513.3	259,400*				250
260	30.5	440.3	116,500*	40.6	474.2	182,500*	48.8	494.9	250,300*	55.8	506.7	247,700*				260
270	25.7	421.0	110,400*	37.0	461.4	171,200*	45.7	485.4	241,300*	53.1	499.3	235,900*				270
280	19.8	396.3	105,600*	33.1	446.7	160,900*	42.5	474.8	232,200*	50.2	491.2	224,900*				280
290	11.2	358.4	102,800*	28.7	429.6	151,200*	39.1	462.9	223,200*	47.3	482.2	214,600*	54.3	492.3	196,100*	290
300				23.6	408.5	142,700*	35.4	449.4	213,700*	44.2	472.2	204,900*	51.5	484.5	187,100*	300
310				17.0	380.4	135,500*	31.3	433.8	201,400*	40.9	461.0	195,900*	48.6	475.9	178,700*	310
320				4.0	322.4	131,100*	26.6	415.2	189,800*	37.3	448.4	187,300*	45.5	466.3	170,700*	320
330							21.0	391.7	179,100*	33.4	433.9	179,200*	42.3	455.7	163,200*	330
340							13.2	357.6	169,600*	29.1	416.9	171,500*	38.8	443.7	156,100*	340
350										24.0	396.3	164,200*	35.1	430.1	149,400*	350
360										17.6	368.9	157,000*	31.0	414.3	143,000*	360
370										6.2	318.1	149,600*	26.3	395.4	136,800*	370
380													20.6	371.5	130,800*	380
390													12.5	336.1	124,800*	390

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

494,700 Lb. Crane Counterweight

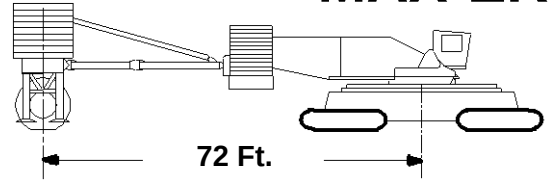
200,000 Lb. Carbody Counterweight

1,124,000 Lb. Wheeled Counterweight

at 72 Ft. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



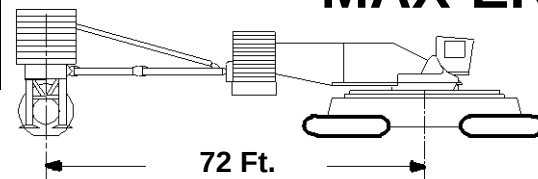
300 Ft. Boom, 280 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
110	75.0	580.7	240,900*													110
115	73.9	579.3	240,900*													115
120	72.9	577.7	240,900*													120
125	71.8	576.1	240,900*													125
130	70.7	574.3	240,900*													130
135	69.6	572.4	239,500*													135
140	68.5	570.5	234,400*													140
145	67.4	568.4	229,100*													145
150	66.3	566.1	223,600*													150
155	65.2	563.8	218,100*													155
160	64.0	561.4	212,400*	69.8	569.2	252,000*										160
165	62.9	558.8	206,700*	68.7	567.3	252,000*										165
170	61.7	556.1	200,900*	67.6	565.2	252,000*										170
175	60.5	553.3	195,100*	66.5	563.0	252,000*										175
180	59.3	550.3	189,300*	65.4	560.7	252,000*										180
185	58.1	547.2	183,600*	64.3	558.3	252,000*										185
190	56.9	543.9	177,900*	63.1	555.7	252,000*										190
195	55.7	540.5	172,400*	62.0	553.1	248,900*										195
200	54.4	536.9	167,000*	60.8	550.2	244,400*										200
205	53.1	533.1	161,600*	59.6	547.3	239,800*										205
210	51.8	529.2	156,500*	58.4	544.2	234,800*	64.4	552.7	255,100*							210
215	50.5	525.1	151,400*	57.2	541.0	229,600*	63.3	550.2	255,100*							215
220	49.1	520.7	146,600*	55.9	537.6	224,300*	62.1	547.5	255,100*							220
225	47.8	516.2	141,900*	54.7	534.0	218,800*	60.9	544.7	255,100*							225
230	46.3	511.4	137,300*	53.4	530.3	213,200*	59.8	541.8	255,100*							230
235	44.9	506.4	132,900*	52.1	526.4	207,600*	58.6	538.7	255,100*							235
240	43.4	501.2	128,700*	50.8	522.3	201,900*	57.3	535.5	254,500*							240
245	41.9	495.6	124,700*	49.4	518.1	196,300*	56.1	532.2	251,100*							245
250	40.3	489.7	120,800*	48.1	513.6	190,700*	54.9	528.6	247,600*							250
260	37.0	476.9	113,600*	45.2	503.9	179,800*	52.3	521.1	240,300*	58.6	530.7	228,600*				260
270	33.4	462.3	107,200*	42.2	493.2	169,300*	49.6	512.8	228,100*	56.1	524.1	228,600*				270
280	29.4	445.5	101,400*	39.0	481.3	159,200*	46.9	503.6	214,900*	53.6	516.9	221,200*				280
290	24.7	425.3	96,500*	35.6	467.8	149,800*	43.9	493.5	201,900*	51.0	508.9	210,900*				290
300	19.1	399.6	92,500*	31.9	452.4	141,100*	40.9	482.3	189,000*	48.3	500.2	201,400*	54.7	509.8	183,200*	300
310	10.8	360.2	90,500*	27.6	434.4	133,300*	37.6	469.7	176,700*	45.4	490.6	192,400*	52.1	502.1	174,800*	310
320				22.7	412.5	126,300*	34.0	455.5	165,000*	42.5	480.0	183,900*	49.4	493.8	167,000*	320
330				16.4	383.2	120,500*	30.1	439.1	153,800*	39.3	468.2	176,000*	46.7	484.6	159,600*	330
340				3.8	322.9	117,000*	25.6	419.7	143,400*	35.9	454.8	168,400*	43.7	474.4	152,600*	340
350							20.2	395.2	133,900*	32.1	439.6	160,500*	40.7	463.1	145,900*	350
360							12.7	359.7	125,600*	28.0	421.9	149,900*	37.4	450.5	139,600*	360
370										23.1	400.3	139,900*	33.8	436.1	133,600*	370
380										16.9	371.8	130,900*	29.8	419.6	127,900*	380
390										5.9	319.0	123,700*	25.3	399.8	122,300*	390
400													19.8	374.9	116,900*	400
410													12.0	338.1	111,500*	410

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



21000
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300 Ft. Boom, 300 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
115	75.0	600.1	215,600*													115
120	74.0	598.7	215,600*													120
125	73.0	597.1	215,600*													125
130	72.0	595.5	215,600*													130
135	71.0	593.8	215,600*													135
140	70.0	591.9	215,600*													140
145	69.0	590.0	212,700*													145
150	68.0	588.0	208,400*													150
155	66.9	585.8	203,900*													155
160	65.9	583.6	199,200*													160
165	64.8	581.2	194,600*													165
170	63.7	578.7	189,700*	69.2	586.8	224,800*										170
175	62.7	576.1	184,800*	68.2	584.8	224,800*										175
180	61.6	573.4	179,900*	67.1	582.7	224,800*										180
185	60.5	570.6	175,000*	66.1	580.4	224,800*										185
190	59.4	567.6	170,100*	65.0	578.1	224,800*										190
195	58.3	564.5	165,200*	64.0	575.6	224,800*										195
200	57.1	561.3	160,400*	62.9	573.1	224,800*										200
205	56.0	557.9	155,700*	61.8	570.4	223,800*										205
210	54.8	554.3	151,000*	60.7	567.6	220,200*										210
215	53.6	550.6	146,400*	59.6	564.6	216,200*										215
220	52.4	546.8	142,000*	58.5	561.6	212,200*	64.1	570.1	225,000*							220
225	51.2	542.8	137,600*	57.4	558.3	207,900*	63.1	567.5	225,000*							225
230	49.9	538.6	133,400*	56.2	555.0	203,500*	62.0	564.8	225,000*							230
235	48.7	534.2	129,300*	55.0	551.5	198,900*	60.9	562.1	225,000*							235
240	47.4	529.6	125,300*	53.9	547.8	194,200*	59.8	559.1	225,000*							240
245	46.0	524.7	121,500*	52.7	544.0	189,500*	58.7	556.1	221,900*							245
250	44.7	519.7	117,800*	51.4	540.0	184,500*	57.5	552.9	216,400*							250
260	41.9	508.8	110,800*	48.9	531.5	171,500*	55.2	546.1	204,900*							260
270	38.9	496.8	104,300*	46.3	522.2	158,900*	52.8	538.6	192,600*	58.7	548.0	199,000*				270
280	35.7	483.3	98,400*	43.6	511.9	146,800*	50.4	530.5	179,900*	56.4	541.5	199,000*				280
290	32.2	468.1	93,100*	40.7	500.6	135,300*	47.8	521.7	167,400*	54.0	534.4	194,000*				290
300	28.3	450.5	88,500*	37.6	488.1	124,300*	45.2	512.0	155,100*	51.6	526.6	183,600*				300
310	23.9	429.5	84,400*	34.3	474.0	113,900*	42.4	501.3	143,200*	49.1	518.1	172,400*				310
320	18.4	402.8	80,000*	30.7	457.9	104,100*	39.4	489.5	131,900*	46.5	508.9	160,800*	52.7	519.7	162,000*	320
330	10.4	361.9	73,500*	26.7	439.1	94,900*	36.2	476.3	121,100*	43.8	498.7	149,200*	50.2	511.6	154,700*	330
340				21.9	416.3	86,600*	32.8	461.4	110,900*	40.9	487.5	137,800*	47.6	502.7	147,800*	340
350				15.8	385.9	79,000*	29.0	444.3	101,400*	37.9	475.0	126,900*	45.0	492.9	141,200*	350
360				3.7	323.5	73,000*	24.7	424.0	92,500*	34.6	461.1	116,500*	42.2	482.1	135,000*	360
370							19.5	398.6	84,300*	31.0	445.2	106,700*	39.2	470.2	129,100*	370
380							12.2	361.8	77,300*	27.0	426.6	97,500*	36.0	457.0	121,000*	380
390										22.3	404.2	89,000*	32.6	441.9	111,100*	390
400										16.3	374.6	81,300*	28.8	424.7	101,800*	400
410										5.7	319.9	75,200*	24.4	404.1	93,100*	410
420													19.1	378.2	85,100*	420
430													11.6	340.0	78,200*	430

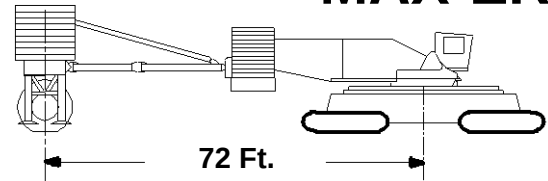
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
 Boom No. 80 With 140 Ft. Mast No. 81
 494,700 Lb. Crane Counterweight
 200,000 Lb. Carbody Counterweight
 1,124,000 Lb. Wheeled Counterweight
 at 72 Ft. Position

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



Narrow or Wide Crawler Arrangement - 360 Degree Rating

320 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
75			c													75
80			c													80
85			c													85
90			c													90
95	62.2	435.6	472,000*b													95
100	59.4	432.7	460,300*b													100
105	56.5	429.3	440,600*b													105
110	53.6	425.6	421,200*b			c										110
115	50.5	421.5	402,300*b			c										115
120	47.2	416.9	384,200*b			c										120
125	43.8	411.7	367,000*	61.0	430.5	501,600*b										125
130	40.1	405.8	350,800*	58.2	427.4	488,900*b										130
135	36.1	399.0	335,900*	55.3	423.9	476,100*b										135
140	31.6	391.1	322,300*	52.2	420.0	463,300*b										140
145	26.4	381.5	310,300*	49.1	415.7	450,700*b			c							145
150	19.9	368.9	300,600*	45.8	410.8	438,200*b	62.3	425.6	480,800*b							150
155	9.4	347.3	295,300*	42.2	405.4	425,400*	59.5	422.6	470,100*b							155
160				38.4	399.1	407,800*	56.7	419.3	458,700*b							160
165				34.2	391.9	391,100*	53.7	415.6	447,100*b							165
170				29.5	383.3	375,500*	50.6	411.5	435,300*b							170
175				23.8	372.6	361,400*	47.4	406.9	423,400*b							175
180				16.3	357.6	349,300*	43.9	401.8	411,600*							180
185							40.3	395.9	399,800*	57.7	411.9	400,300*b				185
190							36.3	389.2	388,100*	54.7	408.3	388,400*b				190
195							31.8	381.3	376,400*	51.7	404.4	377,100*b				195
200							26.7	371.8	364,700*	48.5	399.9	366,200*b				200
205							20.2	359.3	352,700*	45.1	395.0	355,900*b				205
210							10.1	338.6	339,700*	41.6	389.4	346,000*				210
215										37.7	383.0	336,400*				215
220										33.4	375.6	327,300*	52.2	394.2	305,500*b	220
225										28.5	366.7	318,400*	49.1	389.8	297,400*b	225
230										22.7	355.5	309,700*	45.7	385.0	289,600*b	230
235										14.5	339.1	300,900*	42.2	379.5	282,100*	235
240													38.4	373.2	274,900*	240
245													34.2	366.0	267,900*	245
250													29.4	357.4	261,000*	250
260													16.3	331.7	247,500*	260

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

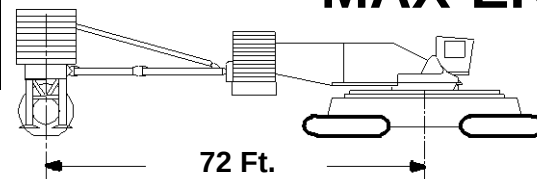
Do not luff into area indicated by (c)
 with 37,000 Lb. minimum weight
 (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

**at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**



21000

MAX-ER

320 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
80			c													80
85			c													85
90			c													90
95	66.5	458.1	431,100*b													95
100	64.2	455.7	426,400*b													100
105	61.9	453.0	416,800*b													105
110	59.5	450.0	400,100*b													110
115	57.0	446.7	383,500*b			c										115
120	54.5	443.2	367,100*b			c										120
125	51.9	439.2	351,300*	65.5	453.2	478,500*b										125
130	49.2	434.9	336,000*	63.2	450.6	468,000*b										130
135	46.4	430.2	321,400*	60.8	447.8	457,400*b										135
140	43.4	424.9	307,600*	58.4	444.7	446,400*b										140
145	40.3	419.1	294,600*	56.0	441.4	435,600*b										145
150	36.9	412.5	282,500*	53.4	437.6	424,500*b										150
155	33.2	405.0	271,400*	50.8	433.5	411,200*	64.3	445.6	447,500*b							155
160	29.1	396.3	261,200*	48.0	429.0	395,300*	62.0	442.9	439,000*b							160
165	24.3	385.7	252,400*	45.1	424.1	379,800*	59.6	440.0	430,000*b							165
170	18.3	371.9	245,400*	42.1	418.6	364,700*	57.2	436.7	420,400*b							170
175	8.5	348.5	241,800*	38.9	412.4	350,100*	54.6	433.2	410,600*b							175
180				35.3	405.5	336,100*	52.0	429.3	400,700*							180
185				31.5	397.5	322,900*	49.3	425.0	390,700*							185
190				27.1	388.1	310,700*	46.5	420.2	380,700*							190
195				21.9	376.4	299,700*	43.6	415.0	370,800*	58.0	429.2	372,200*b				195
200				15.0	360.1	290,400*	40.4	409.2	360,900*	55.5	425.8	361,600*b				200
205							37.1	402.6	351,100*	53.0	422.0	351,400*b				205
210							33.4	395.2	341,400*	50.3	417.8	341,700*				210
215							29.3	386.5	331,700*	47.5	413.3	332,400*				215
220							24.5	376.0	321,900*	44.6	408.2	323,500*				220
225							18.6	362.5	311,900*	41.5	402.6	314,900*				225
230							9.2	340.0	301,000*	38.2	396.3	306,700*	53.4	411.8	284,800*b	230
235										34.7	389.2	298,700*	50.8	407.7	277,500*	235
240										30.8	381.0	291,000*	48.0	403.2	270,500*	240
245										26.3	371.3	283,500*	45.1	398.2	263,700*	245
250										20.9	359.0	276,200*	42.1	392.7	257,100*	250
260													35.3	379.6	244,700*	260
270													27.1	362.2	232,800*	270
280													14.9	334.2	221,200*	280

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).**

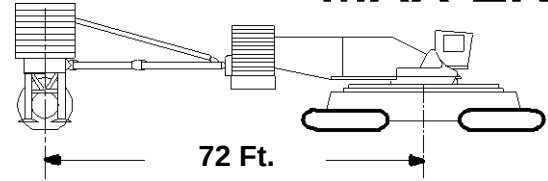
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
 Boom No. 80 With 140 Ft. Mast No. 81
 494,700 Lb. Crane Counterweight
 200,000 Lb. Carbody Counterweight
 1,124,000 Lb. Wheeled Counterweight
 at 72 Ft. Position

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



Narrow or Wide Crawler Arrangement - 360 Degree Rating

320 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
85			c													85
90			c													90
95	69.6	479.9	392,900*b													95
100	67.6	477.8	390,100*b													100
105	65.7	475.5	386,600*b													105
110	63.7	473.0	379,200*b													110
115	61.6	470.3	365,000*b													115
120	59.6	467.3	350,900*b													120
125	57.4	464.1	336,900*	68.7	475.1	447,800*b										125
130	55.2	460.6	323,100*	66.8	472.9	445,500*b										130
135	53.0	456.8	309,700*	64.8	470.6	437,300*b										135
140	50.7	452.7	297,100*	62.8	468.0	428,300*b										140
145	48.3	448.3	284,700*	60.7	465.1	419,100*b										145
150	45.8	443.4	272,900*	58.6	462.1	408,400*b										150
155	43.2	438.1	261,600*	56.5	458.8	395,400*										155
160	40.4	432.3	250,800*	54.3	455.2	382,100*										160
165	37.5	425.9	241,000*	52.0	451.2	368,600*	63.8	463.0	409,800*b							165
170	34.4	418.6	231,800*	49.7	447.0	355,000*	61.7	460.2	402,700*b							170
175	30.9	410.5	223,400*	47.2	442.4	341,800*	59.6	457.3	395,100*b							175
180	27.1	401.0	215,700*	44.7	437.3	328,900*	57.5	454.1	387,100*							180
185	22.6	389.6	209,100*	42.0	431.8	316,200*	55.3	450.6	378,800*							185
190	17.1	374.8	203,900*	39.2	425.7	303,900*	53.1	446.9	370,300*							190
195	7.9	349.7	201,500*	36.2	419.0	292,200*	50.8	442.8	361,800*							195
200				32.9	411.4	281,100*	48.4	438.3	353,300*							200
205				29.3	402.7	270,600*	45.9	433.5	344,800*	58.3	446.6	347,900*				205
210				25.3	392.5	261,000*	43.3	428.2	336,300*	56.1	443.2	338,300*				210
215				20.4	379.9	252,300*	40.6	422.4	327,900*	53.9	439.6	329,100*				215
220				13.9	362.4	245,100*	37.6	416.0	319,700*	51.6	435.6	320,400*				220
225							34.5	408.8	311,400*	49.2	431.3	311,900*				225
230							31.1	400.7	303,200*	46.8	426.6	303,800*				230
235							27.3	391.3	295,000*	44.2	421.5	296,100*				235
240							22.8	380.0	286,700*	41.5	415.8	288,600*	54.3	429.3	267,000*	240
245							17.3	365.4	278,200*	38.7	409.6	281,400*	52.0	425.4	260,300*	245
250							8.5	341.2	268,900*	35.6	402.7	274,400*	49.6	421.1	253,900*	250
260										28.6	386.1	261,100*	44.7	411.4	241,700*	260
270										19.4	362.3	248,400*	39.2	399.8	230,400*	270
280													32.9	385.5	219,700*	280
290													25.2	366.6	209,400*	290
300													13.9	336.5	199,300*	300

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

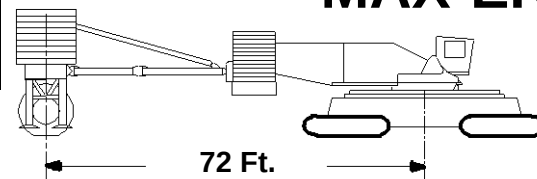
Do not luff into area indicated by (c)
 with 37,000 Lb. minimum weight
 (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

**21000
MAX-ER**



**at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

320 Ft. Boom, 180 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
90			^c													90
95	71.9	501.2	354,200* ^b													95
100	70.3	499.4	353,000* ^b													100
105	68.5	497.4	351,000* ^b													105
110	66.8	495.2	348,500* ^b													110
115	65.1	492.9	344,600* ^b													115
120	63.3	490.3	333,000* ^b													120
125	61.5	487.6	321,100*													125
130	59.6	484.6	309,200*	69.5	494.6	390,400* ^b										130
135	57.7	481.5	297,400*	67.8	492.6	390,400* ^b										135
140	55.8	478.1	286,000*	66.0	490.3	390,400* ^b										140
145	53.8	474.4	274,800*	64.3	487.9	390,400* ^b										145
150	51.8	470.5	263,900*	62.5	485.3	385,000*										150
155	49.7	466.2	253,400*	60.7	482.5	375,200*										155
160	47.6	461.6	243,300*	58.8	479.4	364,800*										160
165	45.3	456.7	233,600*	56.9	476.1	353,800*										165
170	43.0	451.4	224,500*	54.9	472.6	342,600*										170
175	40.5	445.5	215,800*	52.9	468.8	331,300*	63.3	480.3	369,300* ^b							175
180	38.0	439.2	207,500*	50.9	464.8	319,900*	61.5	477.6	363,400*							180
185	35.2	432.2	199,900*	48.8	460.4	308,600*	59.7	474.6	357,000*							185
190	32.3	424.4	192,800*	46.6	455.7	297,300*	57.8	471.5	350,300*							190
195	29.1	415.6	186,400*	44.3	450.6	286,500*	55.9	468.1	343,400*							195
200	25.5	405.5	180,600*	41.9	445.0	276,000*	53.9	464.4	336,300*							200
205	21.3	393.3	175,600*	39.4	439.0	265,800*	51.9	460.5	329,100*							205
210	16.0	377.5	171,800*	36.8	432.4	255,900*	49.8	456.2	322,000*							210
215	7.4	350.8	170,200*	34.0	425.0	246,500*	47.6	451.7	314,800*	58.5	463.9	324,000*				215
220				30.9	416.9	237,700*	45.4	446.8	307,600*	56.5	460.6	315,400*				220
225				27.6	407.5	229,400*	43.1	441.4	300,500*	54.6	457.1	307,000*				225
230				23.7	396.6	221,700*	40.6	435.6	293,400*	52.6	453.2	299,100*				230
235				19.2	383.1	214,900*	38.1	429.3	286,400*	50.5	449.1	291,400*				235
240				13.0	364.5	209,300*	35.4	422.3	279,500*	48.4	444.7	284,000*				240
245							32.4	414.6	272,600*	46.2	439.9	277,000*				245
250							29.2	405.8	265,700*	43.9	434.7	270,100*	54.9	446.8	248,700*	250
260							21.5	383.7	251,700*	39.0	422.9	257,200*	50.9	438.9	236,800*	260
270							7.9	342.4	236,400*	33.5	408.7	245,100*	46.6	429.8	225,600*	270
280										26.9	390.8	233,700*	41.9	419.1	215,200*	280
290										18.2	365.4	222,700*	36.8	406.5	205,400*	290
300													30.9	391.0	196,100*	300
310													23.7	370.7	187,200*	310
320													13.0	338.6	178,400*	320

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).**

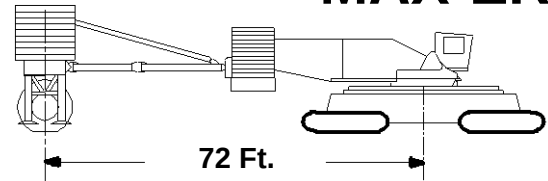
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



Narrow or Wide Crawler Arrangement - 360 Degree Rating

320 Ft. Boom, 200 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
95	73.8	522.2	319,800*(b)													95
100	72.3	520.6	319,800*(b)													100
105	70.8	518.8	319,100*(b)													105
110	69.3	516.9	317,800*(b)													110
115	67.7	514.9	316,000*(b)													115
120	66.1	512.6	313,900*													120
125	64.6	510.2	304,500*													125
130	62.9	507.7	294,400*													130
135	61.3	504.9	284,200*													135
140	59.6	502.0	274,100*	68.6	512.2	365,600*(b)										140
145	58.0	498.8	264,300*	67.0	510.0	365,600*(b)										145
150	56.2	495.5	254,600*	65.5	507.7	359,800*										150
155	54.5	491.9	245,000*	63.9	505.3	352,700*										155
160	52.7	488.1	235,700*	62.2	502.6	344,900*										160
165	50.8	484.0	226,800*	60.6	499.8	336,600*										165
170	48.9	479.6	218,100*	58.9	496.8	327,700*										170
175	47.0	475.0	209,800*	57.2	493.5	318,500*										175
180	44.9	470.0	201,900*	55.5	490.1	308,900*	64.6	500.2	344,000*							180
185	42.8	464.6	194,300*	53.7	486.4	299,300*	63.0	497.6	339,400*							185
190	40.6	458.8	187,200*	51.9	482.5	289,600*	61.4	494.9	334,400*							190
195	38.3	452.5	180,400*	50.0	478.3	279,900*	59.7	491.9	329,000*							195
200	35.9	445.7	173,900*	48.1	473.8	270,400*	58.0	488.8	323,300*							200
205	33.3	438.2	168,000*	46.1	469.0	260,900*	56.3	485.5	317,400*							205
210	30.5	429.8	162,600*	44.0	463.8	251,800*	54.5	481.9	311,400*							210
215	27.5	420.5	157,600*	41.9	458.2	242,900*	52.7	478.1	305,200*							215
220	24.1	409.7	153,100*	39.6	452.2	234,300*	50.9	474.0	299,000*							220
225	20.1	396.7	149,200*	37.3	445.7	226,000*	49.0	469.7	292,800*	58.6	481.3	300,200*				225
230	15.1	380.0	146,400*	34.8	438.6	218,000*	47.0	465.0	286,500*	56.9	478.0	295,400*				230
235	6.9	351.9	145,400*	32.1	430.8	210,400*	45.0	460.0	280,300*	55.2	474.5	287,800*				235
240				29.3	422.0	203,300*	42.9	454.7	274,100*	53.4	470.8	280,500*				240
245				26.1	412.1	196,600*	40.7	448.9	268,000*	51.5	466.8	273,500*				245
250				22.4	400.5	190,500*	38.4	442.6	261,900*	49.7	462.6	266,800*				250
260				12.3	366.5	180,600*	33.4	428.3	249,900*	45.7	453.1	254,000*				260
270							27.6	410.7	237,900*	41.5	442.3	242,100*	51.9	456.6	222,000*	270
280							20.3	387.2	225,800*	36.9	429.6	231,000*	48.1	447.9	211,700*	280
290							7.5	343.6	212,300*	31.6	414.4	220,500*	44.0	437.9	202,100*	290
300										25.5	395.2	210,600*	39.6	426.4	193,100*	300
310										17.2	368.3	201,000*	34.8	412.7	184,500*	310
320													29.2	396.1	176,400*	320
330													22.4	374.6	168,500*	330
340													12.3	340.6	160,700*	340

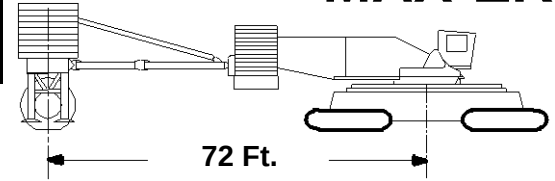
Capacities indicated by (b) require
37,000 Lb. minimum weight suspended
beneath luffing jib point.

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



320 Ft. Boom, 220 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
100	74.0	541.6	291,400*													100
105	72.6	540.0	288,200*													105
110	71.2	538.3	287,800*													110
115	69.8	536.4	287,000*													115
120	68.4	534.4	285,800*													120
125	67.0	532.3	284,200*													125
130	65.6	530.0	277,800*													130
135	64.1	527.6	269,300*													135
140	62.7	525.0	260,800*													140
145	61.2	522.2	252,100*	69.2	531.7	326,300*										145
150	59.7	519.3	243,700*	67.8	529.7	326,300*										150
155	58.1	516.2	235,300*	66.4	527.5	326,300*										155
160	56.6	512.9	227,000*	65.0	525.1	321,800*										160
165	55.0	509.3	218,900*	63.5	522.6	315,800*										165
170	53.4	505.6	211,000*	62.0	519.9	309,300*										170
175	51.7	501.7	203,300*	60.5	517.1	302,100*										175
180	50.0	497.5	195,900*	59.0	514.1	294,600*										180
185	48.3	493.0	188,800*	57.5	510.9	286,800*										185
190	46.5	488.3	181,900*	55.9	507.5	278,700*	64.2	517.5	314,900*							190
195	44.6	483.2	175,300*	54.3	503.9	270,600*	62.7	515.0	311,100*							195
200	42.7	477.8	169,100*	52.6	500.1	262,300*	61.3	512.2	306,800*							200
205	40.7	472.0	163,100*	51.0	496.0	254,100*	59.7	509.3	302,200*							205
210	38.6	465.8	157,500*	49.3	491.7	245,900*	58.2	506.2	297,400*							210
215	36.4	459.1	152,100*	47.5	487.1	237,800*	56.6	502.9	292,400*							215
220	34.1	451.8	147,100*	45.7	482.2	229,900*	55.1	499.3	287,200*							220
225	31.7	443.8	142,400*	43.8	477.0	222,000*	53.4	495.6	281,900*							225
230	29.0	435.0	138,100*	41.8	471.5	214,700*	51.8	491.7	276,500*							230
235	26.2	425.0	134,200*	39.8	465.5	207,300*	50.1	487.5	271,100*	58.7	498.6	275,100*				235
240	22.9	413.6	130,700*	37.7	459.1	200,300*	48.3	483.1	265,700*	57.2	495.4	271,600*				240
245	19.1	400.0	127,800*	35.5	452.1	193,500*	46.5	478.3	260,200*	55.6	491.9	267,600*				245
250	14.4	382.4	125,600*	33.1	444.5	187,100*	44.7	473.3	254,800*	54.0	488.3	261,800*				250
260				27.8	426.9	175,200*	40.8	462.1	244,000*	50.7	480.3	249,200*				260
270				21.3	404.2	164,900*	36.5	449.2	233,400*	47.2	471.4	237,500*				270
280				11.7	368.5	157,000*	31.8	434.0	222,900*	43.4	461.2	226,600*	52.6	474.2	206,600*	280
290							26.3	415.3	212,400*	39.4	449.5	216,300*	49.2	465.8	197,100*	290
300							19.3	390.5	201,800*	35.1	435.9	206,700*	45.7	456.4	188,200*	300
310							7.1	344.7	189,800*	30.1	419.7	197,500*	41.8	445.6	179,900*	310
320										24.2	399.5	188,800*	37.7	433.2	172,000*	320
330										16.4	371.1	180,300*	33.1	418.7	164,500*	330
340													27.8	401.1	157,300*	340
350													21.3	378.3	150,400*	350
360													11.7	342.5	143,400*	360

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

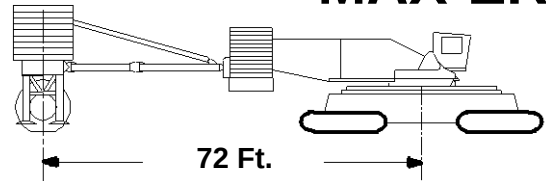
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
 Boom No. 80 With 140 Ft. Mast No. 81
 494,700 Lb. Crane Counterweight
 200,000 Lb. Carbody Counterweight
 1,124,000 Lb. Wheeled Counterweight
 at 72 Ft. Position

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



Narrow or Wide Crawler Arrangement - 360 Degree Rating

320 Ft. Boom, 240 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
105	74.1	561.0	259,900*(b)													105
110	72.9	559.4	259,900*(b)													110
115	71.6	557.7	259,900*													115
120	70.3	555.9	259,700*													120
125	69.0	554.0	258,900*													125
130	67.8	551.9	257,900*													130
135	66.5	549.7	254,300*													135
140	65.1	547.4	247,200*													140
145	63.8	544.9	240,000*													145
150	62.5	542.3	232,700*	69.8	551.2	291,800*										150
155	61.1	539.5	225,400*	68.5	549.3	291,800*										155
160	59.7	536.6	218,400*	67.2	547.1	291,800*										160
165	58.3	533.5	211,200*	65.9	544.9	291,800*										165
170	56.9	530.2	204,200*	64.6	542.5	289,200*										170
175	55.4	526.8	197,300*	63.2	540.0	284,000*										175
180	53.9	523.1	190,600*	61.9	537.3	278,600*										180
185	52.4	519.3	184,000*	60.5	534.4	272,600*										185
190	50.9	515.2	177,700*	59.1	531.4	266,300*										190
195	49.3	510.9	171,600*	57.7	528.2	259,800*										195
200	47.7	506.4	165,600*	56.2	524.9	253,000*	63.9	534.9	288,000*							200
205	46.1	501.6	160,000*	54.8	521.4	246,200*	62.5	532.3	284,800*							205
210	44.4	496.5	154,500*	53.3	517.6	239,200*	61.1	529.5	281,200*							210
215	42.6	491.0	149,300*	51.8	513.7	232,200*	59.8	526.6	277,300*							215
220	40.8	485.3	144,300*	50.2	509.5	225,300*	58.4	523.5	273,400*							220
225	38.9	479.1	139,600*	48.6	505.1	218,400*	56.9	520.2	269,000*							225
230	36.9	472.5	135,100*	47.0	500.4	211,600*	55.5	516.8	264,300*							230
235	34.8	465.4	130,900*	45.3	495.5	204,900*	54.0	513.1	259,700*							235
240	32.6	457.6	126,900*	43.6	490.3	198,400*	52.5	509.3	255,000*							240
245	30.3	449.2	123,200*	41.8	484.7	192,000*	51.0	505.2	250,300*	58.8	515.9	251,500*				245
250	27.8	439.9	119,800*	40.0	478.8	185,800*	49.4	501.0	245,500*	57.4	512.7	248,700*				250
260	21.9	417.4	114,100*	36.0	465.6	174,300*	46.1	491.6	235,800*	54.5	505.8	242,000*				260
270	13.7	384.7	110,300*	31.6	450.2	163,500*	42.7	481.1	226,300*	51.5	498.0	233,500*				270
280				26.6	431.6	153,800*	39.0	469.2	216,800*	48.3	489.4	222,700*				280
290				20.4	407.7	145,500*	34.9	455.5	207,400*	45.0	479.7	212,500*	53.3	491.7	192,900*	290
300				11.1	370.3	139,300*	30.4	439.4	198,100*	41.5	468.8	203,000*	50.2	483.6	184,100*	300
310							25.1	419.7	188,700*	37.7	456.3	194,100*	47.0	474.6	175,900*	310
320							18.4	393.6	179,000*	33.5	441.9	185,600*	43.6	464.4	168,100*	320
330							6.7	345.7	168,400*	28.8	424.8	177,500*	39.9	452.9	160,700*	330
340										23.1	403.5	169,800*	36.0	439.7	153,700*	340
350										15.6	373.8	162,300*	31.6	424.3	147,100*	350
360													26.6	405.7	140,700*	360
370													20.4	381.8	134,500*	370
380													11.1	344.4	128,200*	380

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

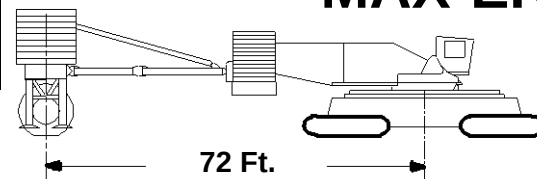
Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

**21000
MAX-ER**

**at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**



320 Ft. Boom, 260 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
110	74.2	580.4	233,800*													110
115	73.1	578.8	233,800*													115
120	71.9	577.2	233,800*													120
125	70.7	575.4	233,800*													125
130	69.6	573.5	233,600*													130
135	68.4	571.5	232,900*													135
140	67.2	569.4	231,700*													140
145	66.0	567.2	225,900*													145
150	64.7	564.8	219,800*													150
155	63.5	562.3	213,700*													155
160	62.3	559.6	207,500*	69.0	568.8	262,000*										160
165	61.0	556.9	201,400*	67.8	566.8	262,000*										165
170	59.7	553.9	195,300*	66.6	564.6	262,000*										170
175	58.4	550.9	189,200*	65.4	562.3	262,000*										175
180	57.1	547.6	183,200*	64.2	559.9	259,400*										180
185	55.8	544.2	177,300*	63.0	557.3	255,100*										185
190	54.4	540.6	171,500*	61.7	554.6	250,400*										190
195	53.1	536.9	165,900*	60.5	551.7	245,500*										195
200	51.6	532.9	160,400*	59.2	548.7	240,300*										200
205	50.2	528.7	155,100*	57.9	545.6	234,800*	64.8	554.7	265,400*							205
210	48.7	524.3	150,000*	56.5	542.3	229,100*	63.6	552.2	263,200*							210
215	47.2	519.7	145,000*	55.2	538.8	223,300*	62.3	549.6	260,600*							215
220	45.7	514.8	140,200*	53.8	535.1	217,400*	61.1	546.8	257,600*							220
225	44.1	509.7	135,700*	52.4	531.3	211,400*	59.8	543.9	254,300*							225
230	42.5	504.3	131,300*	51.0	527.2	205,500*	58.5	540.8	250,800*							230
235	40.8	498.5	127,100*	49.6	523.0	199,600*	57.2	537.6	247,300*							235
240	39.1	492.4	123,100*	48.1	518.5	193,700*	55.8	534.2	243,500*							240
245	37.3	485.8	119,300*	46.6	513.8	188,000*	54.5	530.6	239,500*							245
250	35.4	478.8	115,700*	45.0	508.8	182,300*	53.1	526.9	235,200*							250
260	31.3	463.2	109,100*	41.8	497.9	171,400*	50.3	518.8	226,900*	57.6	530.1	227,400*				260
270	26.6	444.6	103,500*	38.3	485.7	161,000*	47.3	509.8	218,500*	55.0	523.2	222,000*				270
280	21.0	421.1	98,900*	34.5	471.8	151,400*	44.2	499.8	210,000*	52.2	515.7	215,600*				280
290	13.1	387.0	96,000*	30.3	455.6	142,500*	40.9	488.6	201,600*	49.3	507.3	207,800*				290
300				25.5	436.1	134,700*	37.3	476.0	193,200*	46.3	498.0	198,400*	53.8	509.3	179,000*	300
310				19.6	411.1	128,000*	33.5	461.5	184,900*	43.1	487.6	189,600*	51.0	501.4	170,900*	310
320				10.7	372.1	123,000*	29.1	444.6	176,600*	39.8	476.0	181,300*	48.1	492.6	163,200*	320
330							24.1	423.9	168,400*	36.1	462.8	173,400*	45.0	482.9	155,900*	330
340							17.7	396.7	159,800*	32.1	447.6	165,900*	41.8	472.1	149,100*	340
350							6.4	346.7	150,000*	27.6	429.7	158,800*	38.3	459.8	142,600*	350
360										22.2	407.4	151,900*	34.5	445.9	136,400*	360
370										15.0	376.3	144,400*	30.3	429.7	130,500*	370
380													25.5	410.2	124,800*	380
390													19.5	385.2	119,200*	390
400													10.7	346.1	113,500*	400

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

494,700 Lb. Crane Counterweight

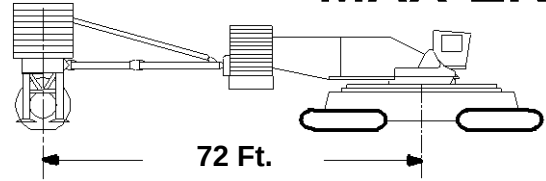
200,000 Lb. Carbody Counterweight

1,124,000 Lb. Wheeled Counterweight

at 72 Ft. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



320 Ft. Boom, 280 Ft. Jib

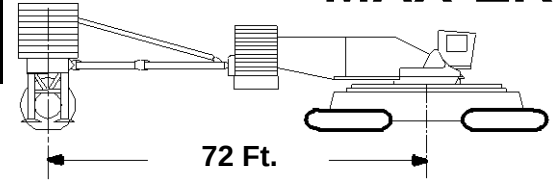
Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
115	74.3	599.7	210,500*													115
120	73.2	598.2	210,500*													120
125	72.2	596.6	210,500*													125
130	71.1	594.9	210,500*													130
135	70.0	593.0	210,500*													135
140	68.9	591.1	210,400*													140
145	67.8	589.0	209,900*													145
150	66.7	586.9	206,600*													150
155	65.5	584.6	201,500*													155
160	64.4	582.2	196,300*													160
165	63.3	579.6	191,100*	69.5	588.3	233,400*										165
170	62.1	577.0	185,800*	68.4	586.3	233,400*										170
175	60.9	574.2	180,600*	67.3	584.2	233,400*										175
180	59.7	571.3	175,400*	66.2	582.0	233,400*										180
185	58.5	568.2	170,200*	65.1	579.7	233,400*										185
190	57.3	565.0	165,000*	63.9	577.2	233,400*										190
195	56.1	561.6	159,900*	62.8	574.6	229,800*										195
200	54.8	558.1	155,000*	61.6	571.9	225,900*										200
205	53.6	554.4	150,100*	60.4	569.1	221,800*										205
210	52.3	550.5	145,400*	59.2	566.1	217,400*										210
215	51.0	546.5	140,800*	58.0	562.9	212,800*	64.5	572.1	236,800*							215
220	49.6	542.2	136,300*	56.8	559.7	208,000*	63.3	569.6	236,800*							220
225	48.2	537.7	132,000*	55.6	556.2	203,100*	62.2	566.9	236,800*							225
230	46.8	533.0	127,800*	54.3	552.6	198,100*	61.0	564.2	236,400*							230
235	45.4	528.1	123,800*	53.0	548.8	193,100*	59.8	561.2	233,700*							235
240	43.9	522.9	119,900*	51.7	544.9	188,000*	58.6	558.2	230,800*							240
245	42.4	517.5	116,200*	50.4	540.8	182,900*	57.4	555.0	227,600*							245
250	40.9	511.7	112,600*	49.0	536.4	177,900*	56.1	551.6	224,300*							250
260	37.6	499.2	106,000*	46.2	527.1	168,000*	53.6	544.4	217,700*							260
270	34.0	485.0	100,000*	43.3	516.7	158,400*	51.0	536.5	210,200*	57.8	547.4	208,200*				270
280	30.1	468.6	94,700*	40.2	505.3	149,300*	48.3	527.8	202,800*	55.3	540.7	204,000*				280
290	25.6	449.1	90,100*	36.8	492.4	140,700*	45.5	518.2	195,300*	52.8	533.2	198,700*				290
300	20.2	424.6	86,400*	33.2	477.7	132,800*	42.5	507.6	187,800*	50.1	525.1	192,700*				300
310	12.6	389.1	84,300*	29.2	460.7	125,500*	39.3	495.7	180,300*	47.4	516.1	186,000*	54.3	526.8	166,900*	310
320				24.5	440.4	119,000*	35.9	482.4	170,200*	44.5	506.2	177,800*	51.7	519.0	159,300*	320
330				18.8	414.3	113,400*	32.2	467.3	159,000*	41.5	495.2	170,000*	49.0	510.5	152,200*	330
340				10.3	373.8	109,400*	28.0	449.5	148,400*	38.2	482.9	162,600*	46.2	501.2	145,400*	340
350							23.2	428.0	138,500*	34.7	469.1	155,700*	43.3	490.9	139,000*	350
360							17.0	399.6	129,600*	30.9	453.1	149,000*	40.2	479.4	132,900*	360
370							6.2	347.7	122,300*	26.5	434.4	142,600*	36.8	466.5	127,100*	370
380										21.3	411.1	136,500*	33.2	451.8	121,600*	380
390										14.4	378.8	128,300*	29.2	434.9	116,200*	390
400													24.5	414.5	111,100*	400
410													18.8	388.4	106,100*	410
420													10.2	347.8	100,900*	420

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**



320 Ft. Boom, 300 Ft. Jib

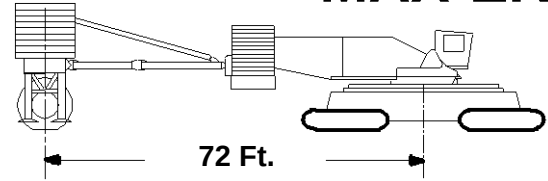
Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	
120	74.4	619.1	188,900*													120
125	73.4	617.6	188,900*													125
130	72.4	616.0	188,900*													130
135	71.4	614.3	188,900*													135
140	70.4	612.5	188,900*													140
145	69.3	610.6	188,900*													145
150	68.3	608.6	188,900*													150
155	67.3	606.5	188,200*													155
160	66.2	604.3	183,900*													160
165	65.2	602.0	179,600*													165
170	64.1	599.5	175,100*	69.9	607.8	207,000*										170
175	63.0	597.0	170,600*	68.9	605.9	207,000*										175
180	62.0	594.3	166,300*	67.9	603.8	207,000*										180
185	60.9	591.5	161,800*	66.8	601.7	207,000*										185
190	59.8	588.6	157,300*	65.8	599.4	207,000*										190
195	58.6	585.5	152,800*	64.7	597.0	207,000*										195
200	57.5	582.3	148,400*	63.7	594.6	207,000*										200
205	56.4	579.0	144,100*	62.6	592.0	206,600*										205
210	55.2	575.5	139,800*	61.5	589.2	203,300*										210
215	54.0	571.9	135,600*	60.4	586.4	199,800*										215
220	52.8	568.1	131,600*	59.3	583.4	196,300*										220
225	51.6	564.1	127,600*	58.2	580.3	192,400*	64.2	589.5	209,400*							225
230	50.4	560.0	123,700*	57.0	577.0	188,400*	63.1	586.9	209,400*							230
235	49.1	555.6	119,900*	55.9	573.6	184,300*	62.0	584.3	209,400*							235
240	47.8	551.1	116,200*	54.7	570.1	180,100*	60.9	581.5	209,400*							240
245	46.5	546.4	112,700*	53.5	566.4	175,900*	59.8	578.6	209,400*							245
250	45.1	541.4	109,300*	52.3	562.5	171,600*	58.7	575.5	209,400*							250
260	42.4	530.7	102,800*	49.8	554.2	162,900*	56.4	569.0	205,600*							260
270	39.4	518.9	96,900*	47.2	545.2	154,300*	54.1	561.9	195,800*							270
280	36.2	505.7	91,400*	44.6	535.3	146,100*	51.7	554.1	184,200*	58.0	564.8	188,400*				280
290	32.8	490.8	86,500*	41.7	524.4	138,100*	49.2	545.7	172,300*	55.7	558.1	185,800*				290
300	29.0	473.7	82,200*	38.7	512.3	127,400*	46.5	536.4	160,400*	53.3	550.8	181,600*				300
310	24.7	453.4	78,400*	35.5	498.8	117,200*	43.8	526.3	148,700*	50.8	542.8	176,600*				310
320	19.5	428.0	75,600*	32.0	483.4	107,300*	41.0	515.1	137,300*	48.3	534.1	167,100*	54.7	544.2	154,200*	320
330	12.2	391.1	73,900*	28.1	465.7	98,000*	37.9	502.6	126,400*	45.7	524.6	156,100*	52.3	536.6	147,200*	330
340				23.7	444.5	89,400*	34.6	488.7	116,000*	42.9	514.1	145,000*	49.8	528.4	140,500*	340
350				18.1	417.5	81,600*	31.0	472.8	106,300*	40.0	502.5	134,000*	47.2	519.3	134,200*	350
360				9.9	375.4	74,900*	27.0	454.3	97,100*	36.9	489.6	123,500*	44.5	509.4	128,200*	360
370							22.3	431.9	88,600*	33.5	475.1	113,400*	41.7	498.5	122,400*	370
380							16.4	402.4	80,900*	29.8	458.4	103,800*	38.7	486.4	117,000*	380
390							5.9	348.6	74,600*	25.6	438.9	94,900*	35.5	472.9	111,800*	390
400										20.6	414.7	86,600*	32.0	457.6	106,800*	400
410										13.9	381.1	79,300*	28.1	439.8	100,500*	410
420													23.7	418.6	92,000*	420
430													18.1	391.5	84,100*	430
440													9.9	349.5	77,400*	440

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



340 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
75			c													75
80			c													80
85			c													85
90			c													90
95			c													95
100	60.4	453.7	415,900*b													100
105	57.5	450.5	406,000*b													105
110	54.6	446.9	389,100*b													110
115	51.6	442.9	372,400*b			c										115
120	48.4	438.5	356,300*b			c										120
125	45.0	433.5	340,900*b			c										125
130	41.4	427.9	326,400*	60.1	449.3	453,100*b										130
135	37.5	421.4	313,000*	57.3	446.1	441,400*b										135
140	33.2	414.0	300,500*	54.4	442.5	429,700*b										140
145	28.3	405.0	289,200*	51.3	438.4	418,000*b										145
150	22.4	393.7	280,000*	48.1	434.0	406,600*b										150
155	14.1	377.0	273,600*	44.7	428.9	395,200*b										155
160				41.1	423.2	381,300*	59.6	442.1	418,600*b							160
165				37.2	416.7	366,300*	56.8	438.8	408,300*b							165
170				32.8	409.1	352,100*	53.8	435.1	397,800*b							170
175				27.9	400.0	338,800*	50.7	431.0	387,100*b							175
180				21.8	388.4	326,900*	47.5	426.4	376,400*b							180
185				13.1	370.8	317,300*	44.1	421.3	365,700*b							185
190							40.4	415.5	355,000*	58.7	431.9	374,500*b				190
195							36.4	408.8	344,400*	55.8	428.5	366,200*b				195
200							32.0	400.9	333,800*	52.8	424.7	356,400*b				200
205							26.9	391.5	323,100*	49.7	420.4	346,300*b				205
210							20.5	379.2	312,300*	46.4	415.7	336,700*b				210
215							10.6	359.0	300,700*	42.9	410.3	327,500*				215
220										39.1	404.2	318,600*				220
225										35.0	397.2	310,000*	54.3	415.0	286,500*b	225
230										30.4	389.0	300,100*	51.3	411.0	279,000*b	230
235										25.0	378.8	290,100*	48.1	406.5	271,800*b	235
240										18.0	364.9	280,200*	44.7	401.5	264,900*b	240
245													41.1	395.8	258,200*	245
250													37.1	389.2	251,700*	250
260													27.8	372.5	239,100*	260
270													13.0	343.2	226,600*	270

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

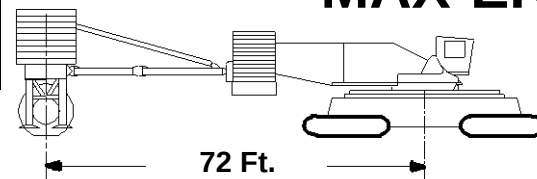
Do not luff into area indicated by (c)
with 37,000 Lb. minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

**21000
MAX-ER**



**at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

340 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
80			c													80
85			c													85
90			c													90
95			c													95
100	65.0	476.5	382,000*b													100
105	62.7	473.9	377,800*b													105
110	60.3	471.0	368,700*b													110
115	57.9	467.8	354,100*b													115
120	55.4	464.4	339,700*b			c										120
125	52.9	460.6	325,600*b			c										125
130	50.2	456.4	312,000*	64.8	472.1	429,200*b										130
135	47.4	451.8	299,100*	62.5	469.5	423,200*b										135
140	44.5	446.7	286,600*	60.1	466.6	413,100*b										140
145	41.4	441.1	274,800*	57.7	463.4	403,000*b										145
150	38.1	434.8	263,800*	55.2	459.9	393,200*b										150
155	34.5	427.6	253,500*	52.6	456.1	381,900*b										155
160	30.6	419.4	244,200*	49.9	451.9	368,200*	64.4	465.0	398,800*b							160
165	26.1	409.6	235,800*	47.2	447.3	354,500*	62.0	462.3	391,000*b							165
170	20.6	397.2	229,000*	44.2	442.2	341,000*	59.7	459.4	382,600*b							170
175	12.9	379.0	224,500*	41.1	436.5	327,800*	57.2	456.2	373,900*b							175
180				37.8	430.1	315,200*	54.7	452.6	365,000*b							180
185				34.2	422.9	303,400*	52.1	448.7	356,000*b							185
190				30.2	414.5	292,100*	49.4	444.4	346,900*							190
195				25.6	404.5	281,600*	46.6	439.7	337,800*							195
200				20.1	391.8	272,400*	43.7	434.5	328,800*	58.9	449.2	342,900*b				200
205				12.0	372.7	265,100*	40.5	428.7	319,800*	56.4	445.9	335,800*b				205
210							37.2	422.2	310,900*	53.9	442.2	328,300*b				210
215							33.5	414.8	302,100*	51.3	438.2	320,300*				215
220							29.4	406.1	293,200*	48.6	433.8	312,400*				220
225							24.7	395.8	284,400*	45.7	428.9	304,400*				225
230							18.9	382.3	275,300*	42.7	423.5	296,400*				230
235							9.7	360.5	265,500*	39.5	417.5	288,200*				235
240										36.0	410.7	280,100*	52.6	428.7	260,000*b	240
245										32.3	403.0	272,300*	49.9	424.4	253,500*	245
250										28.0	393.9	264,100*	47.1	419.8	247,200*	250
260										16.5	367.7	247,200*	41.1	409.0	235,200*	260
270													34.2	395.4	224,000*	270
280													25.6	377.0	213,200*	280
290													11.9	345.0	202,400*	290

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

494,700 Lb. Crane Counterweight

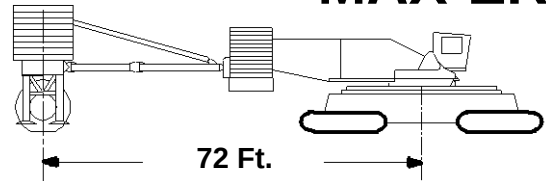
200,000 Lb. Carbody Counterweight

1,124,000 Lb. Wheeled Counterweight

at 72 Ft. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



340 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
85			c													85
90			c													90
95			c													95
100	68.3	498.4	348,600*b													100
105	66.4	496.2	345,700*b													105
110	64.4	493.8	342,300*b													110
115	62.4	491.2	336,500*b													115
120	60.3	488.3	324,100*b													120
125	58.2	485.2	311,800*b													125
130	56.0	481.8	299,600*	68.1	494.2	390,400*b										130
135	53.8	478.1	287,700*	66.2	491.9	390,400*b										135
140	51.5	474.1	276,300*	64.2	489.5	389,000*b										140
145	49.1	469.8	265,200*	62.2	486.8	380,800*b										145
150	46.7	465.1	254,500*	60.1	483.9	372,400*b										150
155	44.1	460.0	244,300*	58.0	480.8	364,000*b										155
160	41.4	454.3	234,700*	55.8	477.4	354,100*										160
165	38.6	448.1	225,600*	53.6	473.7	342,500*										165
170	35.5	441.2	217,100*	51.3	469.7	330,700*	63.8	482.4	359,500*b							170
175	32.2	433.4	209,300*	48.9	465.3	319,100*	61.8	479.7	353,000*b							175
180	28.5	424.4	202,100*	46.5	460.6	307,500*	59.7	476.7	346,000*b							180
185	24.3	413.8	196,000*	43.9	455.4	296,200*	57.6	473.5	338,700*b							185
190	19.2	400.4	191,000*	41.2	449.7	285,100*	55.4	470.1	331,300*							190
195	12.0	381.0	187,800*	38.3	443.4	274,700*	53.2	466.3	323,700*							195
200				35.2	436.4	264,600*	50.9	462.2	316,100*							200
205				31.9	428.5	255,000*	48.5	457.8	308,400*							205
210				28.1	419.4	246,000*	46.0	453.0	300,800*	59.0	466.6	310,700*b				210
215				23.9	408.6	237,800*	43.4	447.7	293,300*	56.9	463.3	304,800*				215
220				18.7	395.0	230,600*	40.7	441.9	285,800*	54.7	459.7	298,600*				220
225				11.1	374.4	224,900*	37.7	435.5	278,400*	52.4	455.9	292,100*				225
230							34.6	428.4	271,000*	50.1	451.7	285,500*				230
235							31.2	420.3	263,600*	47.7	447.1	278,800*				235
240							27.4	411.0	256,300*	45.2	442.2	272,000*				240
245							23.0	399.7	248,900*	42.5	436.8	265,200*				245
250							17.5	385.3	241,300*	39.7	430.8	258,500*	53.6	446.2	243,700*	250
260										33.6	416.7	244,900*	48.9	437.9	232,000*	260
270										26.1	398.4	231,300*	43.9	427.9	221,100*	270
280										15.4	370.2	216,700*	38.3	415.9	210,800*	280
290													31.8	401.0	201,100*	290
300													23.9	381.1	191,700*	300
310													11.0	346.8	182,300*	310

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

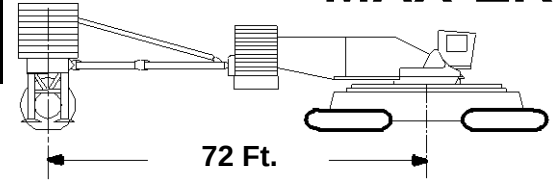
Do not luff into area indicated by (c)
with 37,000 Lb. minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**



340 Ft. Boom, 180 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	
90			c													90
95			c													95
100	70.8	519.9	317,600*b													100
105	69.1	518.0	315,900*b													105
110	67.4	515.9	313,700*b													110
115	65.7	513.6	311,000*b													115
120	63.9	511.2	306,600*b													120
125	62.1	508.5	296,100*													125
130	60.3	505.6	285,500*													130
135	58.4	502.5	275,000*	69.0	513.7	364,900*b										135
140	56.5	499.2	264,700*	67.3	511.6	363,200*b										140
145	54.5	495.6	254,800*	65.5	509.3	360,800*b										145
150	52.5	491.8	244,900*	63.7	506.8	353,800*b										150
155	50.4	487.6	235,500*	61.9	504.1	345,500*										155
160	48.3	483.2	226,300*	60.1	501.3	336,600*										160
165	46.1	478.4	217,600*	58.2	498.1	327,200*										165
170	43.8	473.2	209,200*	56.3	494.8	317,500*										170
175	41.4	467.6	201,300*	54.3	491.2	307,500*										175
180	38.9	461.4	193,900*	52.3	487.3	297,500*	63.4	499.7	328,900*b							180
185	36.2	454.6	186,800*	50.3	483.2	287,500*	61.6	497.0	323,200*							185
190	33.3	447.1	180,300*	48.1	478.7	277,600*	59.7	494.0	317,300*							190
195	30.2	438.7	174,300*	45.9	473.8	267,900*	57.9	490.9	311,100*							195
200	26.8	429.1	168,800*	43.6	468.6	258,400*	55.9	487.5	304,700*							200
205	22.8	417.7	164,200*	41.2	462.9	249,000*	54.0	483.9	298,100*							205
210	18.0	403.5	160,400*	38.7	456.7	240,200*	52.0	479.9	291,600*							210
215	11.2	382.8	158,100*	36.0	449.9	231,700*	49.9	475.7	285,000*							215
220				33.1	442.3	223,600*	47.7	471.2	278,400*	59.1	483.9	284,700*				220
225				29.9	433.8	215,900*	45.5	466.3	271,800*	57.3	480.7	279,800*				225
230				26.4	424.1	208,700*	43.2	461.0	265,300*	55.3	477.2	274,600*				230
235				22.4	412.5	202,200*	40.7	455.2	258,800*	53.3	473.5	269,000*				235
240				17.5	397.9	196,500*	38.2	448.9	252,400*	51.3	469.4	263,400*				240
245				10.4	376.1	192,100*	35.5	441.9	246,100*	49.2	465.1	257,600*				245
250							32.5	434.2	239,700*	47.0	460.5	251,700*				250
260							25.8	415.5	227,100*	42.4	450.0	240,000*	54.3	463.7	226,700*	260
270							16.5	388.1	214,200*	37.3	437.5	228,200*	50.2	455.7	216,000*	270
280										31.5	422.4	216,500*	45.9	446.4	206,000*	280
290										24.5	402.7	204,700*	41.2	435.5	196,600*	290
300										14.4	372.6	191,800*	35.9	422.4	187,700*	300
310													29.9	406.3	179,300*	310
320													22.4	385.0	171,100*	320
330													10.3	348.4	162,800*	330

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).**

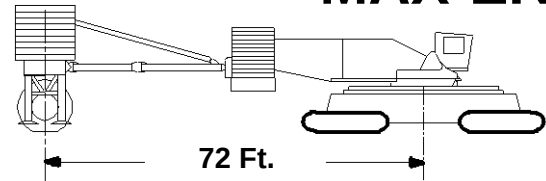
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



Narrow or Wide Crawler Arrangement - 360 Degree Rating

340 Ft. Boom, 200 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
95																95
100	72.8	541.1	292,400* ^b													100
105	71.3	539.4	288,000* ^b													105
110	69.8	537.5	286,900* ^b													110
115	68.3	535.5	286,900* ^b													115
120	66.7	533.3	283,200* ^b													120
125	65.1	531.0	280,300*													125
130	63.5	528.5	271,400*													130
135	61.9	525.8	262,300*													135
140	60.2	522.9	253,300*	69.7	533.3	329,000* ^b										140
145	58.5	519.9	244,300*	68.1	531.2	329,000* ^b										145
150	56.8	516.6	235,700*	66.5	529.0	329,000* ^b										150
155	55.1	513.1	227,100*	65.0	526.7	323,800*										155
160	53.3	509.4	218,700*	63.4	524.2	317,300*										160
165	51.5	505.4	210,600*	61.7	521.5	310,000*										165
170	49.6	501.1	202,800*	60.1	518.6	302,600*										170
175	47.6	496.5	195,200*	58.4	515.5	294,500*										175
180	45.6	491.7	188,000*	56.7	512.2	286,200*										180
185	43.6	486.4	181,100*	54.9	508.7	277,700*	64.7	519.6	306,400*							185
190	41.4	480.8	174,500*	53.1	504.9	269,200*	63.1	517.0	302,000*							190
195	39.2	474.7	168,300*	51.3	500.9	260,600*	61.4	514.3	297,500*							195
200	36.8	468.0	162,500*	49.4	496.6	252,100*	59.8	511.4	292,400*							200
205	34.2	460.8	157,000*	47.5	492.0	243,700*	58.1	508.2	286,800*							205
210	31.5	452.8	151,900*	45.5	487.1	235,400*	56.4	504.9	281,200*							210
215	28.6	443.8	147,200*	43.4	481.8	227,400*	54.6	501.3	275,600*							215
220	25.3	433.5	143,000*	41.2	476.2	219,600*	52.8	497.5	269,900*							220
225	21.6	421.5	139,400*	38.9	470.0	211,900*	51.0	493.5	264,200*							225
230	17.0	406.4	136,500*	36.6	463.3	204,700*	49.1	489.1	258,400*	59.2	501.2	261,900*				230
235	10.6	384.5	134,900*	34.0	456.0	197,800*	47.1	484.5	252,700*	57.5	498.0	257,800*				235
240				31.3	447.9	191,200*	45.1	479.5	247,000*	55.8	494.6	253,400*				240
245				28.3	438.8	185,000*	43.0	474.2	241,300*	54.0	491.0	248,700*				245
250				25.0	428.4	179,300*	40.8	468.4	235,700*	52.2	487.1	243,800*				250
260				16.6	400.7	169,500*	36.1	455.4	224,600*	48.4	478.5	233,800*				260
270							30.8	439.7	213,600*	44.4	468.7	223,500*	54.9	481.2	212,200*	270
280							24.4	419.7	202,700*	40.1	457.3	213,200*	51.3	473.4	202,300*	280
290							15.6	390.7	191,400*	35.3	443.9	202,900*	47.5	464.6	193,100*	290
300										29.8	427.6	192,700*	43.4	454.4	184,400*	300
310										23.2	406.7	182,200*	38.9	442.5	176,200*	310
320										13.6	374.9	170,700*	34.0	428.5	168,400*	320
330													28.3	411.3	160,900*	330
340													21.2	388.6	153,700*	340
350													9.7	350.0	146,300*	350

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).

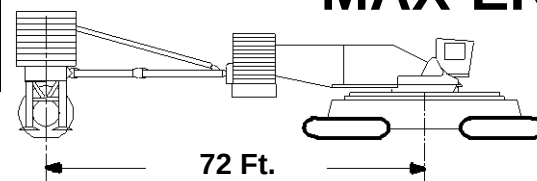
Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

21000
MAX-ER

at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating



340 Ft. Boom, 220 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
100	74.4	562.0	260,500* ^b													100
105	73.1	560.5	260,500* ^b													105
110	71.7	558.8	260,500* ^b													110
115	70.3	557.0	259,800* ^b													115
120	68.9	555.1	258,600*													120
125	67.5	553.0	257,100*													125
130	66.1	550.8	255,400*													130
135	64.7	548.4	248,100*													135
140	63.2	545.8	240,400*													140
145	61.7	543.1	232,700*													145
150	60.2	540.3	225,000*	68.8	550.8	296,900*										150
155	58.7	537.2	217,500*	67.4	548.7	296,900*										155
160	57.1	534.0	210,000*	66.0	546.5	295,200*										160
165	55.5	530.5	202,600*	64.5	544.1	290,100*										165
170	53.9	526.9	195,500*	63.1	541.5	284,400*										170
175	52.3	523.0	188,500*	61.6	538.8	278,400*										175
180	50.6	518.9	181,800*	60.1	535.9	271,900*										180
185	48.9	514.5	175,300*	58.5	532.8	265,100*										185
190	47.1	509.9	169,000*	57.0	529.6	258,000*										190
195	45.3	504.9	163,000*	55.4	526.1	250,800*	64.3	537.0	280,200*							195
200	43.4	499.7	157,300*	53.8	522.4	243,500*	62.8	534.4	276,400*							200
205	41.4	494.0	151,800*	52.1	518.5	236,100*	61.3	531.6	272,600*							205
210	39.4	487.9	146,600*	50.5	514.4	228,800*	59.8	528.7	268,200*							210
215	37.2	481.4	141,700*	48.7	510.0	221,600*	58.3	525.6	263,600*							215
220	35.0	474.3	137,100*	46.9	505.4	214,400*	56.7	522.3	258,800*							220
225	32.6	466.6	132,800*	45.1	500.4	207,500*	55.1	518.8	253,900*							225
230	30.0	458.1	128,800*	43.2	495.1	200,600*	53.5	515.1	249,000*							230
235	27.2	448.6	125,200*	41.2	489.4	194,000*	51.8	511.2	243,700*							235
240	24.1	437.7	121,900*	39.2	483.3	187,600*	50.1	507.0	238,700*	59.3	518.5	239,500*				240
245	20.5	425.0	119,100*	37.0	476.7	181,300*	48.4	502.5	233,600*	57.8	515.4	236,200*				245
250	16.2	409.1	116,900*	34.8	469.6	175,500*	46.6	497.8	228,600*	56.2	512.0	232,500*				250
260				29.8	453.2	164,600*	42.8	487.4	218,600*	53.0	504.7	224,300*				260
270				23.8	432.6	154,900*	38.8	475.5	208,800*	49.6	496.4	215,600*				270
280				15.7	403.4	147,000*	34.3	461.5	199,100*	46.0	487.1	206,600*				280
290							29.3	444.9	189,600*	42.2	476.4	197,600*	52.1	491.1	187,900*	290
300							23.2	423.7	180,000*	38.1	464.2	188,500*	48.7	482.6	179,300*	300
310							14.8	393.2	170,000*	33.6	449.9	179,500*	45.1	472.9	171,300*	310
320										28.4	432.7	170,400*	41.2	461.9	163,700*	320
330										22.0	410.5	161,000*	37.0	449.2	156,500*	330
340										12.9	377.0	150,800*	32.3	434.3	149,700*	340
350													26.9	416.1	143,100*	350
360													20.1	392.1	136,700*	360
370													9.2	351.5	128,300*	370

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

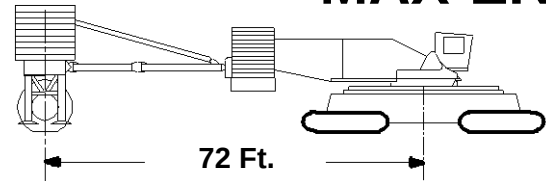
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
 Boom No. 80 With 140 Ft. Mast No. 81
 494,700 Lb. Crane Counterweight
 200,000 Lb. Carbody Counterweight
 1,124,000 Lb. Wheeled Counterweight
 at 72 Ft. Position

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



Narrow or Wide Crawler Arrangement - 360 Degree Rating

340 Ft. Boom, 240 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
105	74.5	581.4	235,700*													105
110	73.3	579.9	235,700*													110
115	72.0	578.3	235,700*													115
120	70.8	576.5	235,700*													120
125	69.5	574.6	234,900*													125
130	68.2	572.6	233,800*													130
135	66.9	570.5	232,500*													135
140	65.6	568.2	227,500*													140
145	64.3	565.7	221,000*													145
150	62.9	563.2	214,500*													150
155	61.6	560.5	207,900*	69.4	570.3	266,600*										155
160	60.2	557.6	201,500*	68.1	568.3	266,600*										160
165	58.8	554.5	195,000*	66.8	566.2	266,600*										165
170	57.4	551.3	188,700*	65.5	563.9	265,300*										170
175	55.9	547.9	182,400*	64.1	561.4	261,000*										175
180	54.5	544.4	176,300*	62.8	558.8	256,200*										180
185	53.0	540.6	170,300*	61.4	556.1	251,100*										185
190	51.4	536.6	164,500*	60.1	553.2	245,600*										190
195	49.9	532.4	158,900*	58.7	550.2	239,900*										195
200	48.3	527.9	153,500*	57.2	546.9	233,900*										200
205	46.6	523.2	148,300*	55.8	543.5	227,800*	63.9	554.3	256,000*							205
210	45.0	518.2	143,300*	54.3	539.9	221,600*	62.6	551.7	252,700*							210
215	43.2	512.9	138,600*	52.8	536.1	215,400*	61.2	548.9	249,400*							215
220	41.4	507.2	134,000*	51.3	532.1	209,200*	59.8	546.0	245,600*							220
225	39.5	501.2	129,700*	49.7	527.9	203,000*	58.4	542.9	241,600*							225
230	37.6	494.8	125,500*	48.1	523.4	196,900*	57.0	539.7	237,500*							230
235	35.6	487.8	121,600*	46.5	518.7	190,800*	55.5	536.2	233,200*							235
240	33.4	480.3	118,000*	44.8	513.6	184,900*	54.1	532.6	228,800*							240
245	31.1	472.1	114,600*	43.1	508.3	179,200*	52.6	528.8	224,400*							245
250	28.7	463.2	111,400*	41.2	502.6	173,600*	51.0	524.7	220,000*	59.4	535.9	218,600*				250
260	23.0	441.8	106,000*	37.4	490.1	162,900*	47.8	515.9	210,800*	56.5	529.4	212,700*				260
270	15.5	411.8	102,300*	33.2	475.5	153,000*	44.5	506.0	201,900*	53.6	522.2	205,700*				270
280				28.4	458.2	144,100*	40.9	494.9	193,100*	50.5	514.2	198,100*				280
290				22.7	436.6	136,400*	37.0	482.2	184,400*	47.3	505.2	190,100*				290
300				15.0	405.9	130,200*	32.8	467.4	175,900*	43.9	495.2	182,100*	52.8	508.7	175,100*	300
310							28.0	449.8	167,400*	40.3	483.8	174,000*	49.7	500.4	167,100*	310
320							22.1	427.6	158,900*	36.4	470.8	165,900*	46.5	491.2	159,700*	320
330							14.1	395.5	149,900*	32.1	455.6	157,700*	43.0	480.8	152,600*	330
340										27.1	437.4	149,400*	39.4	469.1	145,900*	340
350										21.1	414.2	140,900*	35.3	455.6	139,500*	350
360										12.3	379.1	131,700*	30.9	439.8	133,400*	360
370													25.7	420.6	127,500*	370
380													19.2	395.4	119,800*	380
390													8.8	352.9	110,900*	390

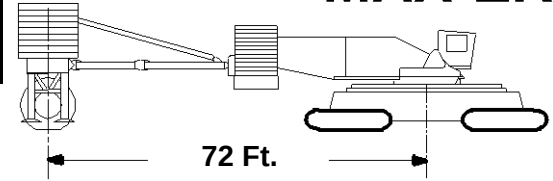
Capacities indicated by (b) require 37,000 Lb.
 minimum weight suspended beneath luffing jib point.

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**



340 Ft. Boom, 260 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
110	74.6	600.8	212,600*													110
115	73.5	599.3	212,600*													115
120	72.3	597.7	212,600*													120
125	71.1	596.0	212,600*													125
130	70.0	594.1	212,500*													130
135	68.8	592.2	211,700*													135
140	67.6	590.1	210,800*													140
145	66.4	587.9	207,600*													145
150	65.2	585.6	202,200*													150
155	63.9	583.1	196,600*													155
160	62.7	580.5	191,000*	69.9	589.9	238,200*										160
165	61.4	577.8	185,400*	68.7	587.9	238,200*										165
170	60.2	574.9	179,900*	67.5	585.8	238,200*										170
175	58.9	571.9	174,400*	66.3	583.6	238,200*										175
180	57.6	568.7	168,900*	65.1	581.2	238,100*										180
185	56.3	565.3	163,600*	63.8	578.8	234,400*										185
190	54.9	561.8	158,300*	62.6	576.2	230,300*										190
195	53.5	558.1	153,200*	61.3	573.4	226,000*										195
200	52.1	554.2	148,200*	60.1	570.5	221,400*										200
205	50.7	550.1	143,300*	58.8	567.5	216,500*										205
210	49.3	545.8	138,600*	57.5	564.3	211,500*	64.8	574.1	236,000*							210
215	47.8	541.3	134,100*	56.1	560.9	206,300*	63.6	571.7	233,600*							215
220	46.2	536.5	129,700*	54.8	557.4	201,000*	62.4	569.0	230,900*							220
225	44.7	531.5	125,500*	53.4	553.7	195,700*	61.1	566.3	227,800*							225
230	43.1	526.1	121,500*	52.0	549.8	190,400*	59.8	563.3	224,800*							230
235	41.4	520.5	117,600*	50.6	545.7	185,100*	58.5	560.3	221,400*							235
240	39.7	514.5	114,000*	49.1	541.3	179,800*	57.2	557.0	217,800*							240
245	37.9	508.1	110,500*	47.6	536.8	174,600*	55.9	553.6	214,100*							245
250	36.0	501.3	107,200*	46.1	532.0	169,400*	54.5	550.1	210,300*							250
260	32.0	486.0	101,100*	42.9	521.5	159,500*	51.8	542.4	202,600*	59.4	553.2	199,100*				260
270	27.5	468.0	95,900*	39.5	509.8	150,100*	48.9	533.9	194,700*	56.8	546.8	194,200*				270
280	22.1	445.6	91,600*	35.9	496.5	141,300*	45.8	524.4	186,500*	54.1	539.7	188,300*				280
290	14.8	414.3	88,700*	31.8	481.2	133,200*	42.6	513.9	178,700*	51.3	531.9	181,800*				290
300				27.3	463.0	125,900*	39.2	502.0	170,900*	48.4	523.2	174,900*				300
310				21.8	440.3	119,500*	35.5	488.6	163,300*	45.3	513.6	167,700*	53.4	526.2	160,700*	310
320				14.4	408.4	114,500*	31.4	473.0	155,700*	42.1	502.9	160,500*	50.6	518.2	154,600*	320
330							26.8	454.5	148,100*	38.6	490.8	153,300*	47.6	509.3	147,600*	330
340							21.2	431.3	140,500*	34.9	477.1	145,900*	44.5	499.4	141,100*	340
350							13.5	397.8	132,400*	30.7	461.1	138,600*	41.2	488.4	134,800*	350
360										26.0	442.0	131,200*	37.7	475.9	128,900*	360
370										20.2	417.7	123,500*	33.9	461.7	123,200*	370
380										11.8	381.1	115,200*	29.6	445.1	117,700*	380
390													24.7	424.9	110,800*	390
400													18.5	398.6	103,700*	400
410													8.4	354.3	95,600*	410

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

494,700 Lb. Crane Counterweight

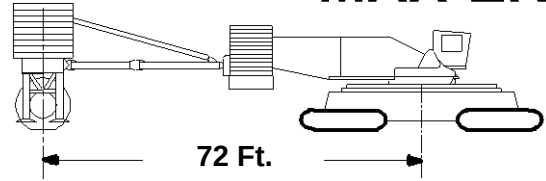
200,000 Lb. Carbody Counterweight

1,124,000 Lb. Wheeled Counterweight

at 72 Ft. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



340 Ft. Boom, 280 Ft. Jib

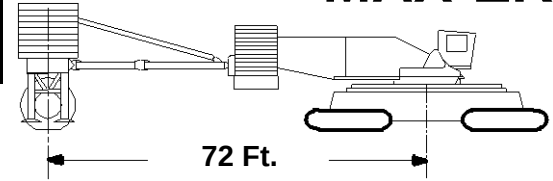
Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
115	74.7	620.2	192,000*													115
120	73.6	618.7	192,000*													120
125	72.5	617.1	192,000*													125
130	71.5	615.4	192,000*													130
135	70.4	613.6	192,000*													135
140	69.3	611.7	191,800*													140
145	68.2	609.7	191,200*													145
150	67.1	607.5	189,800*													150
155	65.9	605.3	185,200*													155
160	64.8	602.9	180,400*													160
165	63.7	600.5	175,700*													165
170	62.5	597.8	170,800*	69.2	607.4	214,700*										170
175	61.3	595.1	166,100*	68.1	605.4	214,700*										175
180	60.2	592.2	161,300*	67.0	603.3	214,700*										180
185	59.0	589.2	156,600*	65.8	601.0	214,700*										185
190	57.8	586.0	151,900*	64.7	598.6	214,300*										190
195	56.5	582.7	147,300*	63.6	596.1	211,100*										195
200	55.3	579.2	142,700*	62.4	593.5	207,700*										200
205	54.0	575.6	138,300*	61.2	590.7	204,100*										205
210	52.7	571.8	134,000*	60.1	587.9	200,200*										210
215	51.4	567.8	129,800*	58.9	584.8	196,000*										215
220	50.1	563.6	125,700*	57.6	581.6	191,800*	64.5	591.5	215,500*							220
225	48.7	559.2	121,700*	56.4	578.3	187,400*	63.4	589.0	213,600*							225
230	47.3	554.6	117,900*	55.2	574.8	182,900*	62.2	586.4	211,400*							230
235	45.9	549.8	114,200*	53.9	571.2	178,400*	61.0	583.6	208,800*							235
240	44.5	544.7	110,600*	52.6	567.4	173,800*	59.8	580.7	206,100*							240
245	43.0	539.3	107,200*	51.3	563.3	169,200*	58.6	577.6	203,400*							245
250	41.4	533.7	103,900*	50.0	559.1	164,700*	57.4	574.4	200,300*							250
260	38.2	521.4	97,800*	47.2	550.1	155,700*	54.9	567.5	193,800*							260
270	34.7	507.5	92,300*	44.3	540.1	147,000*	52.4	560.0	187,000*	59.5	570.5	181,500*				270
280	30.8	491.5	87,300*	41.3	529.1	138,700*	49.7	551.7	180,000*	57.0	564.2	177,800*				280
290	26.4	472.7	83,100*	38.0	516.7	130,800*	47.0	542.6	173,000*	54.5	557.2	172,800*				290
300	21.2	449.3	79,700*	34.5	502.7	123,500*	44.0	532.5	165,700*	52.0	549.5	167,300*				300
310	14.3	416.7	77,500*	30.6	486.7	116,800*	41.0	521.4	158,800*	49.3	541.1	161,200*				310
320				26.2	467.6	110,800*	37.7	508.9	151,900*	46.5	531.9	154,900*	53.9	543.7	146,100*	320
330				21.0	444.0	105,500*	34.2	494.7	145,100*	43.6	521.6	148,500*	51.3	535.9	142,000*	330
340				13.9	410.7	101,400*	30.2	478.4	138,300*	40.5	510.3	141,900*	48.6	527.3	137,300*	340
350							25.8	459.1	131,500*	37.2	497.5	135,400*	45.8	517.8	131,100*	350
360							20.4	434.8	124,600*	33.6	483.1	128,800*	42.8	507.3	125,200*	360
370							13.0	400.0	117,100*	29.6	466.4	122,200*	39.7	495.6	119,700*	370
380										25.0	446.4	115,500*	36.3	482.5	114,400*	380
390										19.4	421.1	108,600*	32.6	467.5	108,500*	390
400										11.4	383.0	101,000*	28.5	450.1	102,500*	400
410													23.7	429.1	96,400*	410
420													17.8	401.7	89,900*	420
430													8.1	355.6	82,500*	430

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

**Luffing Jib No. 81 On
Boom No. 80 With 140 Ft. Mast No. 81
494,700 Lb. Crane Counterweight
200,000 Lb. Carbody Counterweight
1,124,000 Lb. Wheeled Counterweight
at 72 Ft. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**



340 Ft. Boom, 300 Ft. Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
120	74.7	639.5	177,900*													120
125	73.7	638.1	173,100*													125
130	72.7	636.5	173,100*													130
135	71.7	634.8	173,100*													135
140	70.7	633.1	173,100*													140
145	69.7	631.2	172,900*													145
150	68.7	629.2	172,500*													150
155	67.6	627.2	171,900*													155
160	66.6	625.0	168,700*													160
165	65.6	622.7	164,800*													165
170	64.5	620.3	160,700*													170
175	63.4	617.8	156,600*	69.6	626.9	191,000*										175
180	62.3	615.2	152,600*	68.6	625.0	191,000*										180
185	61.3	612.4	148,500*	67.5	622.9	191,000*										185
190	60.2	609.5	144,400*	66.5	620.7	191,000*										190
195	59.0	606.5	140,300*	65.5	618.4	191,000*										195
200	57.9	603.4	136,300*	64.4	616.0	191,000*										200
205	56.8	600.1	132,300*	63.3	613.5	189,600*										205
210	55.6	596.7	128,400*	62.2	610.8	186,700*										210
215	54.4	593.1	124,600*	61.2	608.1	183,600*										215
220	53.2	589.3	120,800*	60.1	605.2	180,400*										220
225	52.0	585.4	117,100*	58.9	602.2	177,000*										225
230	50.8	581.4	113,600*	57.8	599.0	173,400*	64.2	608.9	193,500*							230
235	49.5	577.1	110,100*	56.7	595.7	169,700*	63.1	606.3	193,500*							235
240	48.3	572.6	106,800*	55.5	592.3	165,900*	62.0	603.7	192,100*							240
245	47.0	568.0	103,500*	54.3	588.7	162,100*	61.0	600.9	190,100*							245
250	45.6	563.1	100,400*	53.1	584.9	158,200*	59.8	598.0	187,800*							250
260	42.9	552.6	94,400*	50.7	576.9	150,400*	57.6	591.8	182,800*							260
270	39.9	541.0	89,000*	48.1	568.1	142,600*	55.3	585.0	177,300*							270
280	36.8	528.0	84,000*	45.5	558.5	135,000*	52.9	577.5	171,300*	59.5	587.8	163,900*				280
290	33.4	513.5	79,400*	42.7	548.0	127,700*	50.5	569.5	165,200*	57.2	581.5	160,800*				290
300	29.7	496.8	75,500*	39.8	536.3	120,900*	47.9	560.6	158,900*	54.9	574.6	156,800*				300
310	25.5	477.2	72,000*	36.7	523.3	114,300*	45.3	551.0	152,600*	52.5	567.1	152,200*				310
320	20.5	452.8	69,300*	33.3	508.7	108,200*	42.5	540.3	142,100*	50.1	558.9	147,000*				320
330	13.7	419.0	67,600*	29.5	491.9	101,100*	39.5	528.5	131,300*	47.5	550.0	141,500*	54.3	561.2	131,000*	330
340				25.3	472.1	92,300*	36.4	515.4	120,900*	44.8	540.1	135,800*	51.9	553.5	127,900*	340
350				20.2	447.5	84,100*	32.9	500.6	110,900*	42.0	529.3	129,900*	49.4	545.1	123,800*	350
360				13.4	413.0	77,000*	29.2	483.6	101,500*	39.0	517.4	124,000*	46.8	536.0	119,000*	360
370							24.9	463.4	92,800*	35.8	504.0	118,100*	44.1	525.9	114,200*	370
380							19.7	438.2	84,700*	32.4	488.9	110,300*	41.3	514.8	109,000*	380
390							12.5	402.1	77,500*	28.5	471.4	101,100*	38.2	502.5	103,700*	390
400										24.1	450.6	92,400*	35.0	488.8	98,500*	400
410										18.7	424.3	84,400*	31.4	473.1	93,100*	410
420										11.0	384.8	77,500*	27.5	455.0	87,600*	420
430													22.9	433.1	82,000*	430
440													17.1	404.6	76,100*	440
450													7.8	356.8	69,300*	450