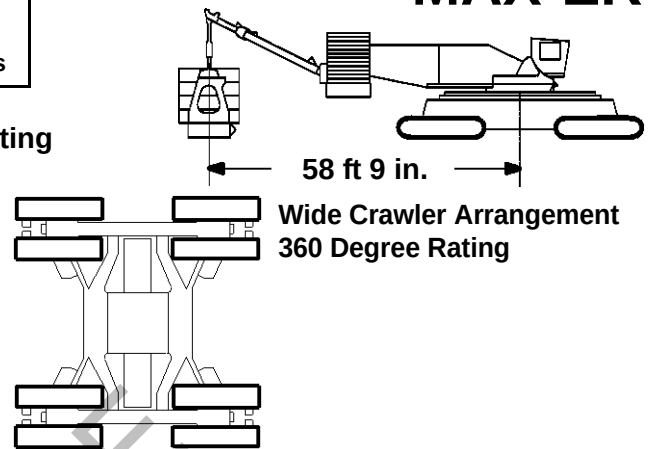
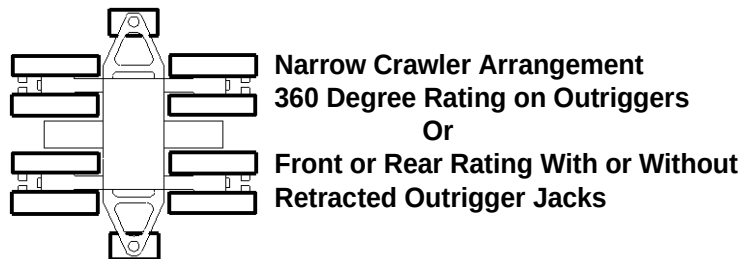


Liftcrane Luffing Jib Capacities

21000
MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom angles, luffing jib lengths, and luffing jib operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*). **360 degree operation requires set outrigger jacks for narrow crawler arrangement.**

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

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

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

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

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

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc. beneath boom and luffing jib point sheaves is considered part of luffing jib load. Boom and luffing jib are not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS

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

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

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

MACHINE TRAVEL

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

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

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

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

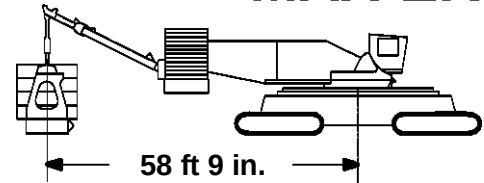
200,000 lb Carbody Counterweight

247,300 lb Hanging Counterweight

at 58 ft 9 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle is angle between horizontal and centerline of boom butt and inserts. Luffing jib angle is angle between horizontal and centerline of luffing jib butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

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

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

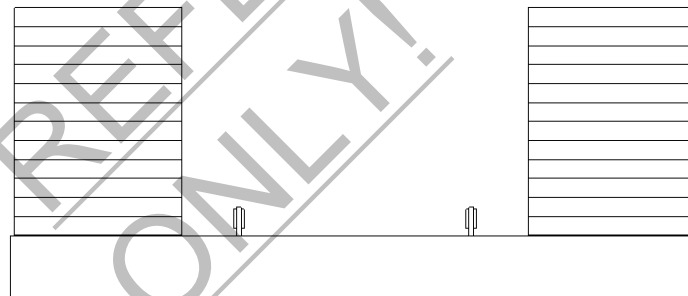
support straps, 22 part luffing jib hoist reeving, luffing jib and backstay support straps, 458,700 lb crane counterweight, two 53,500 lb and two 46,500 lb carbody counterweights and 247,300 lb hanging counterweight.

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

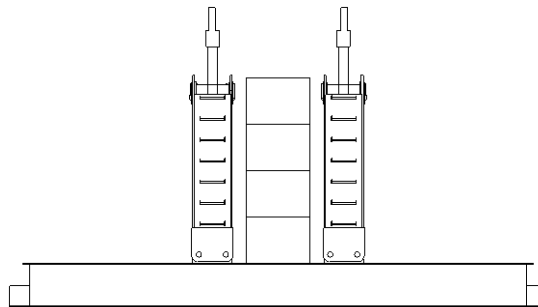
Warning: Narrow crawler arrangement requires set outrigger jacks to swing beyond front or rear operating range.

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

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



458,700 lb Crane Counterweight
24 Side Boxes



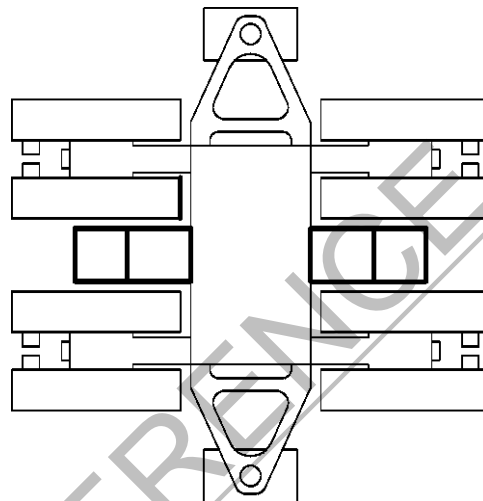
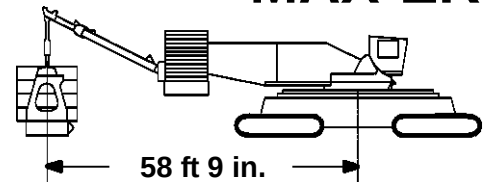
247,300 lb Hanging Counterweight
4 Center Boxes

Liftcrane Luffing Jib Capacities

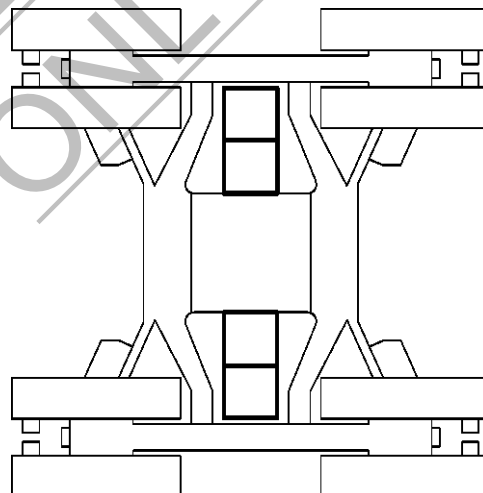
Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



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



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

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

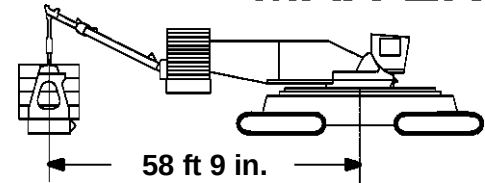
200,000 lb Carbody Counterweight

247,300 lb Hanging Counterweight

at 58 ft 9 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



WITH OR WITHOUT BOOM AND/OR JIB CATWALKS		
Maximum Boom and Luffing Jib Lengths Lifted Unassisted Using Jack-Knife Method With 247,300 lb Hanging Counterweight		
Boom Length Feet	Luffing Jib No. 81 Feet	Boom to Luffing Jib Angle Degrees
Over End Unblocked Crawlers		
180	120 - 300	90
200 - 220	120 - 300	60
240	120 - 260	60
Load blocks, hook and weight ball on ground until boom and luffing jib are erected.		

RAISING AND LOWERING PROCEDURE

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

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

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

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

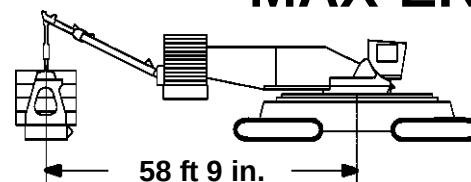
CAUTION: Do not under any condition allow boom to luffing jib angle to become less than 60 degrees.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

21000
MAX-ER



180 ft Boom, 120 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
60				c													60
65				c													65
70				c													70
75	66.4	300.2	401,400	655,600*b													75
80	63.7	297.7	368,200	612,700*b													80
85	61.0	294.9	339,200	574,700*b				c									85
90	58.2	291.8	313,800	540,700*b	66.8	298.3	272,100	513,500*b									90
95	55.2	288.3	291,200	510,200*b	64.1	295.8	252,200	484,600*b									95
100	52.2	284.4	271,000	482,600*	61.4	293.0	234,400	458,300*b									100
105	49.1	280.1	252,800	457,400*	58.6	290.0	218,400	434,500*b									105
110	45.7	275.2	236,300	434,500*	55.7	286.5	203,900	412,800*b	64.3	292.4	171,000	390,800*b					110
115	42.2	269.7	221,200	413,400*	52.7	282.7	190,600	392,800*	61.6	289.7	159,600	371,900*b					115
120	38.4	263.5	207,400	393,900*	49.5	278.4	178,500	374,400*	58.8	286.6	149,100	354,200*b					120
125	34.2	256.2	194,500	375,800*	46.2	273.7	167,400	357,200*	55.9	283.2	139,500	337,500*b					125
130	29.4	247.7	182,400	358,900*	42.7	268.3	157,000	340,800*	52.9	279.4	130,500	322,100*					130
135	23.8	237.0	170,900	342,400*	38.9	262.1	147,300	325,600*	49.8	275.2	122,200	307,700*	58.9	281.7	96,800	289,700*b	135
140	16.2	221.9	159,600	326,600*	34.8	255.1	138,200	311,300*	46.5	270.5	114,500	294,400*	56.0	278.3	90,300	277,200*b	140
145					30.2	246.7	129,600	297,900*	43.0	265.2	107,200	281,900*	53.0	274.5	84,100	265,500*	145
150					24.7	236.4	121,200	285,200*	39.3	259.1	100,300	270,200*	49.9	270.3	78,400	254,500*	150
155					17.5	222.3	112,900	272,900*	35.2	252.1	93,800	259,200*	46.6	265.6	72,900	244,200*	155
160									30.6	243.9	87,500	248,700*	43.1	260.3	67,700	234,500*	160
165									25.2	233.8	81,300	238,700*	39.4	254.2	62,700	225,300*	165
170									18.3	220.2	75,000	228,900*	35.3	247.3	58,000	216,600*	170
175									3.6	189.8	66,700	218,100*	30.7	239.1	53,300	208,200*	175
180													25.3	229.0	48,600	200,200*	180
185													18.4	215.5	43,800	192,200*	185
190													4.5	186.8	37,200	183,300*	190

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

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

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

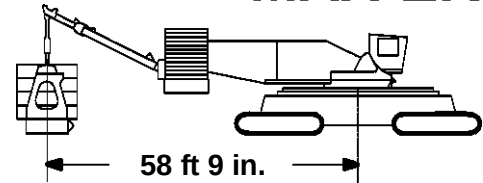
200,000 lb Carbody Counterweight

247,300 lb Hanging Counterweight

at 58 ft 9 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 140 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
65				c													65
70				c													70
75	69.9	322.0	400,400	652,500*b													75
80	67.7	319.9	367,000	609,700*b													80
85	65.5	317.6	338,000	571,900*b													85
90	63.2	315.0	312,500	538,000*b													90
95	60.8	312.2	289,900	507,600*b	68.0	317.9	248,900	480,800*b									95
100	58.4	309.1	269,800	480,200*	65.8	315.6	231,200	454,700*b									100
105	56.0	305.7	251,700	455,200*	63.5	313.1	215,300	431,100*b									105
110	53.4	302.0	235,300	432,400*	61.2	310.4	200,900	409,500*b									110
115	50.8	297.9	220,400	411,500*	58.8	307.3	187,800	389,700*									115
120	48.0	293.4	206,800	392,300*	56.3	304.0	175,900	371,500*	63.7	309.7	144,800	350,300*b					120
125	45.1	288.5	194,300	374,500*	53.8	300.3	164,900	354,600*	61.4	307.0	135,300	333,800*b					125
130	42.1	282.9	182,800	358,000*	51.1	296.2	154,800	338,500*	59.0	304.0	126,600	318,600*					130
135	38.8	276.8	172,000	342,300*	48.4	291.8	145,400	323,500*	56.5	300.6	118,500	304,400*					135
140	35.3	269.8	162,000	327,400*	45.5	286.9	136,700	309,500*	54.0	297.0	111,000	291,300*					140
145	31.5	261.8	152,500	313,500*	42.5	281.5	128,600	296,500*	51.4	293.0	104,000	279,000*	59.0	299.0	79,400	261,500*	145
150	27.1	252.4	143,500	300,400*	39.3	275.4	120,900	284,200*	48.7	288.6	97,400	267,500*	56.6	295.7	73,800	250,700*	150
155	21.9	240.7	134,800	287,900*	35.8	268.6	113,600	272,800*	45.8	283.7	91,200	256,800*	54.0	292.1	68,600	240,600*	155
160	14.9	224.4	126,100	275,800*	32.0	260.8	106,700	261,900*	42.8	278.4	85,400	246,600*	51.4	288.1	63,700	231,100*	160
165					27.8	251.6	100,100	251,600*	39.6	272.4	79,800	237,100*	48.7	283.7	59,000	222,200*	165
170					22.7	240.3	93,600	241,700*	36.2	265.6	74,500	228,000*	45.9	278.9	54,600	213,700*	170
175					16.1	224.9	87,000	232,100*	32.4	257.9	69,400	219,400*	42.9	273.5	50,400	205,700*	175
180									28.2	248.9	64,500	211,100*	39.7	267.5	46,300	198,100*	180
185									23.2	237.8	59,500	203,200*	36.2	260.8	42,400	190,800*	185
190									16.8	223.0	54,500	195,300*	32.5	253.1	38,600	183,800*	190
195									3.1	190.0	47,600	186,500*	28.3	244.1	34,900	177,100*	195
200													23.3	233.1	31,100	170,600*	200
205													16.9	218.3	27,100	164,100*	205
210													4.0	187.1	21,600	156,800*	210

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

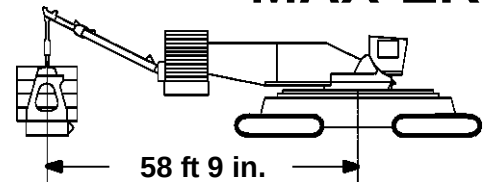
Do not luff into area indicated by
(c) with 37,000 lb minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 160 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
70				^c													70
75	72.6	343.2	399,200	650,000* ^b													75
80	70.7	341.5	365,700	607,300* ^b													80
85	68.7	339.5	336,600	569,500* ^b													85
90	66.8	337.3	311,000	535,800* ^b													90
95	64.8	335.0	288,500	505,500* ^b													95
100	62.8	332.4	268,400	478,100*	69.0	337.5	228,400	451,900* ^b									100
105	60.7	329.5	250,300	453,200*	67.1	335.4	212,600	428,300* ^b									105
110	58.6	326.5	234,000	430,600*	65.1	333.0	198,300	406,800* ^b									110
115	56.5	323.1	219,200	409,800*	63.1	330.5	185,300	387,100*									115
120	54.3	319.5	205,800	390,700*	61.0	327.7	173,500	369,000*									120
125	52.0	315.6	193,400	373,000*	58.9	324.6	162,600	352,300*									125
130	49.6	311.4	182,000	356,700*	56.8	321.4	152,600	336,400*	63.3	327.1	123,300	315,800*					130
135	47.2	306.7	171,500	341,200*	54.6	317.8	143,400	321,500*	61.2	324.3	115,400	301,700*					135
140	44.7	301.7	161,700	326,600*	52.3	313.9	134,900	307,700*	59.1	321.3	108,000	288,700*					140
145	42.0	296.2	152,500	312,900*	50.0	309.7	126,900	294,800*	57.0	318.0	101,100	276,500*					145
150	39.2	290.1	144,000	300,200*	47.6	305.1	119,400	282,700*	54.8	314.5	94,700	265,200*					150
155	36.2	283.3	135,900	288,100*	45.0	300.2	112,400	271,400*	52.5	310.6	88,700	254,500*	59.2	316.4	65,100	237,800*	155
160	32.9	275.7	128,300	276,800*	42.4	294.7	105,900	260,800*	50.2	306.5	83,000	244,600*	57.0	313.1	60,300	228,400*	160
165	29.3	267.0	121,100	266,100*	39.6	288.7	99,600	250,800*	47.8	302.0	77,700	235,200*	54.8	309.6	55,800	219,500*	165
170	25.2	256.8	114,100	255,900*	36.6	282.0	93,700	241,300*	45.3	297.0	72,700	226,300*	52.6	305.7	51,600	211,200*	170
175	20.4	244.2	107,300	246,200*	33.4	274.6	88,100	232,400*	42.6	291.6	67,900	217,900*	50.2	301.6	47,500	203,300*	175
180	13.8	226.7	100,300	236,600*	29.9	266.1	82,600	223,800*	39.8	285.6	63,300	209,900*	47.8	297.1	43,700	195,900*	180
185					25.9	256.1	77,400	215,600*	36.9	279.0	58,900	202,300*	45.3	292.1	40,100	188,800*	185
190					21.1	243.9	72,200	207,700*	33.7	271.7	54,700	195,100*	42.7	286.7	36,600	182,100*	190
195					15.0	227.4	66,800	199,900*	30.2	263.3	50,600	188,200*	39.9	280.8	33,200	175,600*	195
200									26.2	253.5	46,600	181,500*	36.9	274.2	29,900	169,500*	200
205									21.6	241.5	42,600	175,000*	33.7	266.8	26,800	163,600*	205
210									15.6	225.6	38,400	168,600*	30.2	258.4	23,700	157,900*	210
215									2.8	190.1	32,600	161,200*	26.3	248.7	20,600	152,400*	215
220													21.7	236.8	17,500	147,000*	220
225													15.8	221.0	14,200	141,600*	225
230													3.6	187.4	9,500	135,400*	230

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

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

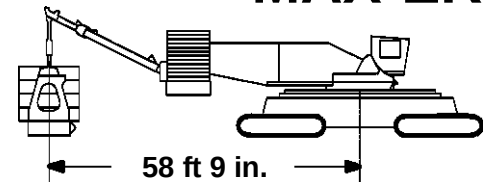
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 180 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
75	74.6	364.2	397,600	646,300* b													75
80	72.9	362.6	363,800	603,700* b													80
85	71.2	360.9	334,400	565,900* b													85
90	69.5	359.0	308,700	532,300* b													90
95	67.8	357.0	286,000	502,000*													95
100	66.0	354.7	265,800	474,700*													100
105	64.3	352.3	247,700	449,900*	69.7	357.0	208,500	424,200* b									105
110	62.5	349.7	231,300	427,300*	68.0	355.0	194,200	402,700*									110
115	60.6	346.9	216,500	406,600*	66.3	352.8	181,300	383,100*									115
120	58.8	343.8	203,000	387,600*	64.5	350.4	169,500	365,100*									120
125	56.9	340.5	190,700	370,000*	62.7	347.8	158,700	348,500*									125
130	54.9	337.0	179,300	353,700*	60.9	345.0	148,700	332,800*									130
135	52.9	333.2	168,900	338,600*	59.0	342.0	139,500	318,000*	64.7	347.0	110,400	297,500*					135
140	50.9	329.1	159,100	324,000*	57.2	338.7	131,100	304,200*	62.9	344.4	103,100	284,500*					140
145	48.8	324.8	150,100	310,400*	55.2	335.2	123,200	291,400*	61.1	341.6	96,300	272,500*					145
150	46.6	320.0	141,700	297,800*	53.2	331.5	115,800	279,500*	59.2	338.6	90,000	261,200*					150
155	44.3	314.9	133,800	285,900*	51.2	327.5	108,900	268,300*	57.3	335.4	84,100	250,700*					155
160	41.9	309.4	126,400	274,800*	49.1	323.1	102,500	257,800*	55.4	331.9	78,500	240,800*					160
165	39.4	303.4	119,400	264,300*	46.9	318.5	96,400	247,900*	53.4	328.2	73,300	231,500*	59.3	333.7	50,400	215,200*	165
170	36.8	296.7	112,800	254,400*	44.6	313.4	90,600	238,600*	51.4	324.2	68,400	222,700*	57.4	330.5	46,300	207,000*	170
175	34.0	289.4	106,500	245,000*	42.3	307.9	85,200	229,800*	49.3	319.9	63,700	214,400*	55.4	327.0	42,400	199,200*	175
180	30.9	281.2	100,500	236,000*	39.8	302.0	80,100	221,400*	47.1	315.3	59,300	206,600*	53.4	323.3	38,700	191,900*	180
185	27.5	271.9	94,700	227,500*	37.2	295.4	75,100	213,500*	44.8	310.3	55,100	199,200*	51.4	319.3	35,200	184,900*	185
190	23.7	260.9	89,100	219,400*	34.4	288.2	70,400	205,900*	42.5	304.8	51,100	192,100*	49.3	315.0	31,800	178,300*	190
195	19.1	247.4	83,600	211,500*	31.4	280.2	65,900	198,700*	40.0	298.9	47,300	185,400*	47.1	310.4	28,600	172,000*	195
200	13.0	228.8	77,900	203,700*	28.0	271.0	61,500	191,800*	37.4	292.4	43,600	178,900*	44.9	305.4	25,600	166,000*	200
205					24.3	260.3	57,200	185,100*	34.6	285.3	40,100	172,800*	42.5	299.9	22,600	160,200*	205
210					19.9	247.3	52,900	178,600*	31.7	277.3	36,600	166,900*	40.1	294.0	19,800	154,700*	210
215					14.0	229.7	48,400	172,200*	28.4	268.3	33,300	161,200*	37.5	287.6	17,000	149,500*	215
220									24.7	257.8	29,900	155,700*	34.7	280.4	14,400	144,400*	220
225									20.3	245.0	26,600	150,300*	31.7	272.5	11,800	139,500*	225
230									14.7	228.1	23,100	144,900*	28.4	263.5	9,200	134,800*	230
235									2.5	190.2	18,100	138,600*	24.7	253.0	6,600	130,200*	235
240													20.4	240.3	4,000	125,700*	240
245													14.8	223.4	1,200	121,100*	245
250													3.3	187.8		115,800*	250

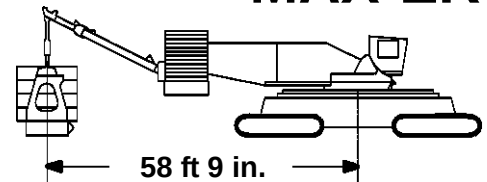
Capacities indicated by **(b)** require
37,000 lb minimum weight
suspended beneath luffing jib point.

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 200 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
80	74.7	383.6	361,600	600,700*(b)													80
85	73.2	382.0	332,100	563,000*(b)													85
90	71.6	380.4	306,300	529,400*(b)													90
95	70.1	378.5	283,600	499,200*													95
100	68.6	376.6	263,300	471,900*													100
105	67.0	374.4	245,200	447,200*													105
110	65.4	372.1	228,800	424,600*													110
115	63.8	369.6	214,000	404,000*	68.8	374.6	177,800	380,000*									115
120	62.2	367.0	200,500	385,000*	67.2	372.5	166,100	362,000*									120
125	60.6	364.2	188,200	367,500*	65.7	370.2	155,300	345,400*									125
130	58.9	361.1	176,900	351,300*	64.1	367.7	145,400	329,900*									130
135	57.2	357.9	166,400	336,200*	62.5	365.1	136,300	315,100*									135
140	55.5	354.5	156,800	321,800*	60.8	362.3	127,800	301,500*									140
145	53.7	350.8	147,800	308,300*	59.1	359.3	120,000	288,700*	64.2	364.3	92,400	269,300*					145
150	51.9	346.8	139,400	295,700*	57.4	356.1	112,700	276,800*	62.6	361.7	86,100	258,100*					150
155	50.0	342.6	131,600	283,900*	55.7	352.7	105,900	265,700*	61.0	358.9	80,300	247,600*					155
160	48.1	338.1	124,300	272,800*	53.9	349.0	99,500	255,300*	59.3	356.0	74,800	237,800*					160
165	46.1	333.3	117,400	262,400*	52.1	345.1	93,500	245,400*	57.6	352.8	69,700	228,500*					165
170	44.0	328.2	110,900	252,600*	50.3	341.0	87,900	236,200*	55.9	349.4	64,800	219,800*					170
175	41.9	322.6	104,800	243,300*	48.3	336.5	82,500	227,500*	54.1	345.7	60,300	211,600*	59.3	351.0	38,300	196,000*	175
180	39.6	316.6	99,000	234,500*	46.4	331.8	77,500	219,200*	52.3	341.9	56,000	203,900*	57.6	347.9	34,700	188,700*	180
185	37.3	310.1	93,500	226,200*	44.3	326.7	72,700	211,400*	50.4	337.7	51,900	196,500*	55.9	344.5	31,300	181,800*	185
190	34.8	303.0	88,200	218,300*	42.2	321.2	68,100	203,900*	48.5	333.3	48,000	189,500*	54.1	340.8	28,000	175,200*	190
195	32.1	295.1	83,200	210,700*	40.0	315.2	63,800	196,900*	46.5	328.6	44,300	182,900*	52.3	337.0	24,900	169,000*	195
200	29.2	286.4	78,300	203,500*	37.6	308.8	59,600	190,100*	44.5	323.5	40,700	176,600*	50.5	332.8	21,900	163,100*	200
205	26.0	276.4	73,600	196,600*	35.2	301.8	55,700	183,700*	42.4	318.0	37,400	170,500*	48.5	328.4	19,100	157,400*	205
210	22.4	264.8	69,000	189,900*	32.5	294.0	51,800	177,500*	40.2	312.1	34,100	164,800*	46.6	323.7	16,400	152,000*	210
215	18.1	250.5	64,500	183,400*	29.7	285.4	48,100	171,600*	37.8	305.8	31,000	159,200*	44.5	318.6	13,800	146,900*	215
220	12.3	230.8	59,700	176,900*	26.5	275.7	44,400	165,900*	35.4	298.8	27,900	154,000*	42.4	313.2	11,300	141,900*	220
225					23.0	264.3	40,900	160,300*	32.8	291.1	25,000	148,900*	40.2	307.3	8,900	137,200*	225
230					18.8	250.5	37,300	154,900*	29.9	282.6	22,100	143,900*	37.9	300.9	6,500	132,600*	230
235					13.3	231.9	33,500	149,500*	26.8	273.0	19,300	139,200*	35.4	294.0	4,200	128,300*	235
240									23.3	261.8	16,500	134,500*	32.8	286.3	2,000	124,000*	240
245									19.2	248.3	13,700	130,000*	30.0	277.8		119,900*	245
250									13.9	230.4	10,700	125,400*	26.9	268.2		115,900*	250
260													19.3	243.6		108,100*	260
270													3.1	188.1		99,600*	270

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

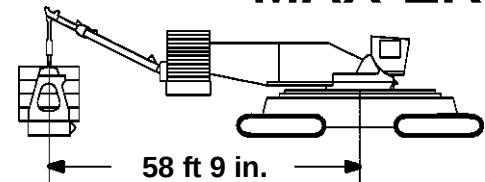
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 220 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
85	74.7	403.0	328,800	558,500*(b)													85
90	73.4	401.4	302,900	525,600*(b)													90
95	72.0	399.8	280,100	495,500*													95
100	70.6	398.0	259,700	468,200*													100
105	69.2	396.1	241,500	443,500*													105
110	67.8	394.0	225,200	421,000*													110
115	66.4	391.9	210,300	400,400*													115
120	65.0	389.5	196,800	381,400*	69.4	394.1	161,300	357,800*									120
125	63.5	387.0	184,500	364,000*	68.0	392.1	150,500	341,300*									125
130	62.0	384.3	173,200	347,800*	66.6	389.9	140,700	325,900*									130
135	60.5	381.5	162,700	332,800*	65.2	387.6	131,600	311,200*									135
140	59.0	378.5	153,100	318,500*	63.7	385.1	123,200	297,600*									140
145	57.5	375.3	144,100	305,100*	62.2	382.4	115,400	284,900*									145
150	55.9	371.9	135,800	292,500*	60.7	379.6	108,200	273,100*									150
155	54.3	368.3	128,000	280,800*	59.2	376.6	101,400	262,000*	63.8	381.7	74,900	243,300*					155
160	52.6	364.4	120,800	269,700*	57.7	373.5	95,100	251,600*	62.4	379.0	69,500	233,600*					160
165	51.0	360.4	113,900	259,400*	56.1	370.1	89,100	241,800*	60.9	376.2	64,500	224,400*					165
170	49.2	356.1	107,500	249,600*	54.5	366.5	83,500	232,600*	59.4	373.3	59,700	215,700*					170
175	47.5	351.5	101,500	240,400*	52.9	362.7	78,300	224,000*	57.8	370.1	55,200	207,600*					175
180	45.7	346.6	95,700	231,700*	51.2	358.7	73,300	215,800*	56.3	366.8	51,000	199,900*					180
185	43.8	341.4	90,300	223,500*	49.5	354.4	68,600	208,000*	54.7	363.2	46,900	192,600*	59.4	368.4	25,600	177,400*	185
190	41.8	335.8	85,200	215,600*	47.7	349.9	64,100	200,600*	53.0	359.5	43,100	185,700*	57.8	365.2	22,400	170,900*	190
195	39.8	329.9	80,300	208,200*	45.9	345.0	59,900	193,600*	51.4	355.4	39,500	179,100*	56.3	361.9	19,400	164,700*	195
200	37.7	323.4	75,600	201,100*	44.1	339.9	55,800	187,000*	49.7	351.2	36,100	172,800*	54.7	358.3	16,500	158,900*	200
205	35.5	316.5	71,100	194,300*	42.1	334.4	51,900	180,600*	47.9	346.7	32,800	166,900*	53.1	354.5	13,800	153,300*	205
210	33.1	308.9	66,800	187,900*	40.1	328.5	48,200	174,600*	46.1	341.9	29,600	161,200*	51.4	350.5	11,200	148,000*	210
215	30.6	300.6	62,600	181,600*	38.0	322.1	44,700	168,700*	44.2	336.7	26,600	155,800*	49.7	346.3	8,700	142,900*	215
220	27.8	291.3	58,600	175,700*	35.8	315.2	41,200	163,200*	42.3	331.3	23,700	150,600*	47.9	341.8	6,300	138,000*	220
225	24.8	280.8	54,700	169,900*	33.4	307.7	37,900	157,800*	40.3	325.4	20,900	145,600*	46.1	337.0	3,900	133,300*	225
230	21.3	268.5	50,900	164,300*	30.9	299.5	34,700	152,700*	38.2	319.1	18,200	140,800*	44.3	331.9	1,700	128,900*	230
235	17.2	253.5	47,000	158,900*	28.2	290.4	31,600	147,700*	36.0	312.3	15,600	136,200*	42.3	326.4		124,600*	235
240	11.6	232.7	42,900	153,400*	25.2	280.1	28,500	142,900*	33.7	304.8	13,100	131,700*	40.3	320.5		120,400*	240
245					21.9	268.1	25,500	138,200*	31.2	296.7	10,600	127,400*	38.2	314.2		116,500*	245
250					17.8	253.6	22,400	133,600*	28.5	287.6	8,200	123,300*	36.0	307.4		112,600*	250
260									22.2	265.7	3,400	115,300*	31.2	291.9		105,300*	260
270									13.2	232.6		107,400*	25.6	272.7		98,400*	270
280													18.3	246.7		91,700*	280
290													2.9	188.3		84,200*	290

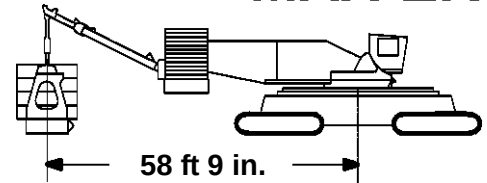
Capacities indicated by (b) require
37,000 lb minimum weight
suspended beneath luffing jib point.

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 240 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
90	74.8	422.3	301,000	486,100*													90
95	73.6	420.8	277,800	486,100*													95
100	72.3	419.2	257,300	464,900*													100
105	71.0	417.5	238,900	440,200*													105
110	69.8	415.6	222,400	417,700*													110
115	68.5	413.6	207,400	397,100*													115
120	67.2	411.5	193,800	378,200*													120
125	65.9	409.3	181,400	360,700*	69.9	413.6	146,800	337,600*									125
130	64.5	406.9	170,000	344,600*	68.7	411.7	136,800	322,400*									130
135	63.2	404.3	159,500	329,600*	67.4	409.6	127,700	307,700*									135
140	61.9	401.6	149,800	315,400*	66.1	407.3	119,300	294,100*									140
145	60.5	398.8	140,800	302,000*	64.7	405.0	111,500	281,500*									145
150	59.1	395.8	132,500	289,400*	63.4	402.4	104,200	269,600*									150
155	57.7	392.6	124,700	277,700*	62.1	399.8	97,400	258,600*									155
160	56.2	389.3	117,400	266,700*	60.7	396.9	91,100	248,200*	64.9	401.5	65,000	229,900*					160
165	54.8	385.7	110,600	256,400*	59.3	394.0	85,200	238,500*	63.5	399.0	60,000	220,700*					165
170	53.3	382.0	104,200	246,700*	57.9	390.8	79,600	229,300*	62.2	396.4	55,200	212,100*					170
175	51.8	378.0	98,100	237,500*	56.4	387.5	74,300	220,700*	60.8	393.6	50,800	204,000*					175
180	50.2	373.9	92,400	228,800*	55.0	384.0	69,400	212,500*	59.4	390.6	46,500	196,300*					180
185	48.6	369.5	87,000	220,600*	53.5	380.3	64,700	204,800*	58.0	387.5	42,500	189,000*					185
190	47.0	364.8	81,900	212,800*	52.0	376.4	60,300	197,500*	56.6	384.2	38,800	182,200*					190
195	45.3	359.9	77,100	205,400*	50.4	372.2	56,100	190,500*	55.1	380.7	35,200	175,600*	59.4	385.7	14,600	161,000*	195
200	43.6	354.6	72,400	198,400*	48.9	367.9	52,000	183,900*	53.6	377.0	31,800	169,400*	58.0	382.6	11,800	155,100*	200
205	41.8	349.1	68,000	191,700*	47.2	363.2	48,200	177,600*	52.1	373.1	28,500	163,500*	56.6	379.2	9,100	149,600*	205
210	39.9	343.1	63,800	185,300*	45.6	358.3	44,600	171,600*	50.6	369.0	25,400	157,800*	55.1	375.8	6,500	144,300*	210
215	38.0	336.8	59,800	179,200*	43.8	353.1	41,100	165,800*	49.0	364.6	22,400	152,500*	53.7	372.1	4,000	139,300*	215
220	36.0	329.9	55,900	173,300*	42.1	347.6	37,700	160,300*	47.4	360.0	19,600	147,300*	52.2	368.2	1,700	134,400*	220
225	33.9	322.6	52,200	167,700*	40.2	341.7	34,500	155,000*	45.7	355.1	16,900	142,400*	50.6	364.1		129,800*	225
230	31.6	314.5	48,600	162,300*	38.3	335.4	31,400	150,000*	44.0	350.0	14,200	137,600*	49.0	359.7		125,400*	230
235	29.2	305.7	45,100	157,100*	36.3	328.7	28,500	145,100*	42.2	344.5	11,700	133,100*	47.4	355.1		121,200*	235
240	26.6	296.0	41,700	152,100*	34.2	321.4	25,600	140,500*	40.4	338.6	9,300	128,700*	45.7	350.3		117,100*	240
245	23.7	284.9	38,400	147,200*	31.9	313.5	22,800	135,900*	38.5	332.4	6,900	124,500*	44.0	345.1		113,200*	245
250	20.4	272.0	35,100	142,500*	29.5	304.8	20,100	131,600*	36.5	325.7	4,600	120,500*	42.3	339.6		109,400*	250
260	11.1	234.6	28,300	133,100*	24.1	284.3	14,800	123,300*	32.1	310.6	300	112,800*	38.5	327.5		102,200*	260
270					17.0	256.5	9,500	115,300*	27.2	292.4		105,500*	34.4	313.6		95,500*	270
280									21.2	269.3		98,600*	29.8	297.1		89,200*	280
290									12.6	234.7		91,800*	24.4	276.9		83,200*	290
300													17.5	249.7		77,300*	300
310													2.7	188.6		70,700*	310

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

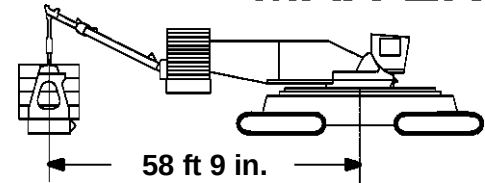
200,000 lb Carbody Counterweight

247,300 lb Hanging Counterweight

at 58 ft 9 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 260 ft Luffing Jib

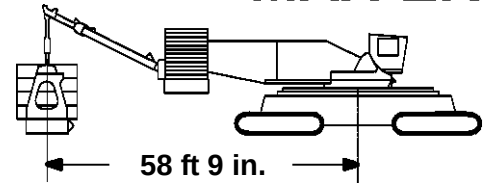
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
95	74.9	441.7	274,200	423,300*													95
100	73.7	440.2	253,600	423,300*													100
105	72.6	438.6	235,200	423,300*													105
110	71.4	436.9	218,600	414,000*													110
115	70.2	435.1	203,600	393,400*													115
120	69.0	433.2	189,900	374,500*													120
125	67.8	431.1	177,500	357,100*													125
130	66.6	429.0	166,100	340,900*													130
135	65.4	426.7	155,600	326,000*	69.2	431.2	122,900	303,700*									135
140	64.2	424.2	145,900	312,000*	68.0	429.2	114,500	290,100*									140
145	63.0	421.7	136,900	298,600*	66.8	427.0	106,700	277,500*									145
150	61.7	419.0	128,500	286,100*	65.6	424.7	99,400	265,700*									150
155	60.4	416.1	120,700	274,400*	64.4	422.3	92,700	254,700*									155
160	59.2	413.1	113,500	263,400*	63.1	419.8	86,400	244,400*									160
165	57.9	410.0	106,600	253,100*	61.9	417.1	80,500	234,700*									165
170	56.5	406.7	100,200	243,400*	60.6	414.3	74,900	225,600*	64.5	418.9	49,800	207,800*					170
175	55.2	403.2	94,200	234,200*	59.3	411.3	69,700	216,900*	63.3	416.4	45,400	199,800*					175
180	53.8	399.5	88,500	225,600*	58.0	408.2	64,800	208,800*	62.0	413.7	41,200	192,100*					180
185	52.4	395.7	83,200	217,400*	56.7	404.9	60,100	201,100*	60.7	410.9	37,300	184,900*					185
190	51.0	391.6	78,100	209,700*	55.4	401.4	55,700	193,800*	59.5	407.9	33,600	178,100*					190
195	49.6	387.4	73,300	202,300*	54.0	397.8	51,600	186,900*	58.2	404.8	30,000	171,600*					195
200	48.1	382.9	68,700	195,300*	52.6	394.0	47,600	180,300*	56.8	401.5	26,700	165,400*					200
205	46.6	378.1	64,300	188,600*	51.2	389.9	43,800	174,000*	55.5	398.1	23,500	159,500*	59.5	403.0	3,400	145,200*	205
210	45.0	373.1	60,200	182,300*	49.8	385.7	40,200	168,100*	54.2	394.5	20,400	153,900*	58.2	399.9	900	140,000*	210
215	43.4	367.9	56,200	176,200*	48.3	381.2	36,800	162,400*	52.8	390.7	17,500	148,600*	56.9	396.6		135,000*	215
220	41.8	362.3	52,400	170,400*	46.8	376.5	33,500	156,900*	51.4	386.7	14,700	143,500*	55.5	393.2		130,200*	220
225	40.1	356.4	48,700	164,900*	45.2	371.6	30,300	151,700*	49.9	382.5	12,000	138,600*	54.2	389.6		125,600*	225
230	38.3	350.1	45,200	159,500*	43.6	366.4	27,300	146,700*	48.4	378.0	9,500	133,900*	52.8	385.8		121,300*	230
235	36.4	343.4	41,900	154,400*	42.0	360.8	24,400	141,900*	46.9	373.4	7,000	129,400*	51.4	381.8		117,100*	235
240	34.5	336.1	38,600	149,500*	40.3	355.0	21,600	137,300*	45.4	368.4	4,600	125,100*	49.9	377.6		113,000*	240
245	32.5	328.4	35,500	144,700*	38.5	348.7	18,900	132,800*	43.8	363.2	2,400	120,900*	48.5	373.1		109,200*	245
250	30.3	319.9	32,400	140,200*	36.7	342.1	16,300	128,600*	42.2	357.7	100	116,900*	47.0	368.5		105,400*	250
260	25.5	300.4	26,600	131,400*	32.8	327.2	11,300	120,500*	38.7	345.7		109,400*	43.8	358.3		98,400*	260
270	19.5	275.4	20,800	123,200*	28.3	309.8	6,600	112,900*	35.0	332.0		102,300*	40.5	347.0		91,800*	270
280	10.6	236.3	14,900	115,000*	23.1	288.3	2,000	105,700*	30.8	316.1		95,700*	36.9	334.2		85,700*	280
290					16.3	259.3		98,700*	26.1	297.0		89,400*	33.0	319.5		79,900*	290
300									20.3	272.9		83,400*	28.6	302.2		74,400*	300
310									12.0	236.7		77,400*	23.4	281.0		69,100*	310
320													16.8	252.6		64,000*	320
330													2.5	188.9		57,400*	330

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Luffing Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 280 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds		
100	74.9	461.1	250,500	369,900*												100	
105	73.8	459.6	232,000	369,900*												105	
110	72.8	458.0	215,300	369,900*												110	
115	71.7	456.4	200,300	369,900*												115	
120	70.6	454.6	186,600	369,900*												120	
125	69.5	452.7	174,100	354,000*												125	
130	68.4	450.7	162,700	337,900*												130	
135	67.3	448.6	152,200	322,900*												135	
140	66.2	446.4	142,500	309,000*	69.7	450.7	110,500	286,800*								140	
145	65.0	444.0	133,500	295,700*	68.6	448.7	102,700	274,200*								145	
150	63.9	441.6	125,100	283,200*	67.5	446.6	95,500	262,500*								150	
155	62.8	439.0	117,300	271,500*	66.3	444.4	88,700	251,500*								155	
160	61.6	436.3	110,000	260,500*	65.2	442.1	82,400	241,200*								160	
165	60.4	433.4	103,200	250,200*	64.1	439.7	76,500	231,500*								165	
170	59.2	430.5	96,800	240,600*	62.9	437.1	71,000	222,400*								170	
175	58.0	427.3	90,800	231,400*	61.8	434.4	65,800	213,800*								175	
180	56.8	424.0	85,200	222,800*	60.6	431.6	60,900	205,700*	64.2	436.3	36,900	188,700*				180	
185	55.5	420.6	79,800	214,600*	59.4	428.6	56,300	198,000*	63.0	433.7	33,000	181,500*				185	
190	54.3	417.0	74,700	206,900*	58.2	425.5	51,900	190,800*	61.9	431.0	29,300	174,700*				190	
195	53.0	413.2	69,900	199,600*	57.0	422.2	47,800	183,900*	60.7	428.2	25,800	168,300*				195	
200	51.7	409.3	65,400	192,600*	55.7	418.8	43,800	177,300*	59.5	425.2	22,500	162,100*				200	
205	50.4	405.1	61,100	186,000*	54.5	415.2	40,100	171,100*	58.3	422.2	19,300	156,300*				205	
210	49.0	400.8	56,900	179,600*	53.2	411.5	36,500	165,100*	57.1	418.9	16,300	150,700*				210	
215	47.6	396.2	53,000	173,600*	51.9	407.6	33,100	159,400*	55.8	415.5	13,400	145,400*	59.5	420.3	131,500*	215	
220	46.2	391.4	49,200	167,800*	50.6	403.5	29,800	154,000*	54.6	412.0	10,600	140,300*	58.3	417.2	126,800*	220	
225	44.8	386.4	45,600	162,300*	49.2	399.1	26,700	148,800*	53.3	408.2	8,000	135,400*	57.1	414.0	122,200*	225	
230	43.3	381.1	42,200	157,000*	47.8	394.6	23,800	143,900*	52.0	404.3	5,500	130,800*	55.9	410.6	117,900*	230	
235	41.7	375.5	38,900	151,900*	46.4	389.9	20,900	139,100*	50.7	400.2	3,100	126,300*	54.6	407.0	113,700*	235	
240	40.2	369.6	35,700	147,100*	45.0	384.9	18,100	134,500*	49.3	395.9	700	122,000*	53.3	403.3	109,700*	240	
245	38.5	363.4	32,600	142,400*	43.5	379.6	15,500	130,100*	48.0	391.4		117,900*	52.0	399.4	105,900*	245	
250	36.8	356.7	29,600	137,900*	42.0	374.1	12,900	125,900*	46.6	386.7		114,000*	50.7	395.3	102,200*	250	
260	33.2	342.1	24,000	129,300*	38.8	362.0	8,100	117,900*	43.6	376.5		106,500*	48.0	386.5	95,200*	260	
270	29.2	325.1	18,700	121,300*	35.3	348.4	3,600	110,500*	40.5	365.1		99,500*	45.1	376.8	88,700*	270	
280	24.5	304.7	13,600	113,800*	31.5	332.9		103,500*	37.2	352.4		93,000*	42.1	366.1	82,700*	280	
290	18.8	278.6	8,600	106,700*	27.3	314.6		96,900*	33.6	338.0		86,900*	38.9	354.1	77,000*	290	
300	10.2	238.0	3,400	99,500*	22.2	292.2		90,600*	29.7	321.3		81,200*	35.5	340.6	71,600*	300	
310					15.7	262.0		84,500*	25.1	301.4		75,700*	31.7	325.2	66,600*	310	
320									19.5	276.2		70,400*	27.5	307.1	61,800*	320	
330									11.6	238.6		65,000*	22.5	285.0	56,300*	330	

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

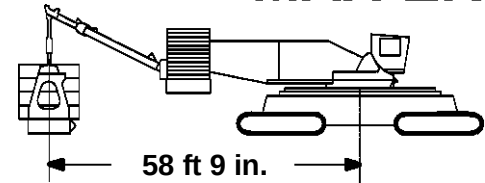
200,000 lb Carbody Counterweight

247,300 lb Hanging Counterweight

at 58 ft 9 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 300 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
105	74.9	480.4	229,600	330,000*									105
110	73.9	479.0	212,700	330,000*									110
115	73.0	477.4	197,500	330,000*									115
120	71.9	475.8	183,600	330,000*									120
125	70.9	474.0	171,000	330,000*									125
130	69.9	472.2	159,400	330,000*									130
135	68.9	470.3	148,800	319,200*									135
140	67.9	468.2	139,000	305,400*									140
145	66.8	466.1	129,900	292,200*									145
150	65.8	463.8	121,500	279,700*	69.0	468.3	91,000	258,500*					150
155	64.7	461.4	113,600	268,000*	68.0	466.2	84,200	247,500*					155
160	63.6	458.9	106,300	257,100*	67.0	464.1	77,900	237,200*					160
165	62.6	456.3	99,500	246,800*	65.9	461.9	72,000	227,600*					165
170	61.5	453.6	93,000	237,100*	64.9	459.5	66,400	218,500*					170
175	60.4	450.8	87,000	228,000*	63.8	457.0	61,200	209,900*					175
180	59.3	447.8	81,300	219,400*	62.7	454.4	56,300	201,800*					180
185	58.1	444.7	75,900	211,300*	61.6	451.7	51,700	194,200*	65.0	456.1	27,700	177,300*	185
190	57.0	441.4	70,800	203,500*	60.5	448.9	47,300	186,900*	63.9	453.6	24,000	170,500*	190
195	55.9	438.0	66,000	196,200*	59.4	445.9	43,200	180,100*	62.8	451.0	20,500	164,100*	195
200	54.7	434.5	61,500	189,300*	58.3	442.8	39,200	173,500*	61.7	448.4	17,200	158,000*	200
205	53.5	430.7	57,100	182,600*	57.2	439.6	35,500	167,300*	60.6	445.5	14,100	152,100*	205
210	52.3	426.9	53,000	176,300*	56.0	436.2	31,900	161,400*	59.5	442.6	11,100	146,600*	210
215	51.1	422.8	49,100	170,300*	54.9	432.7	28,500	155,700*	58.4	439.5	8,200	141,300*	215
220	49.8	418.6	45,300	164,600*	53.7	429.0	25,300	150,400*	57.3	436.3	5,500	136,300*	220
225	48.5	414.2	41,700	159,100*	52.5	425.2	22,200	145,200*	56.1	432.9	2,900	131,400*	225
230	47.2	409.6	38,300	153,800*	51.2	421.1	19,200	140,200*	55.0	429.4	400	126,800*	230
235	45.9	404.7	35,000	148,800*	50.0	417.0	16,400	135,500*	53.8	425.7		122,400*	235
240	44.5	399.7	31,800	143,900*	48.7	412.6	13,700	131,000*	52.6	421.9		118,100*	240
245	43.2	394.3	28,800	139,300*	47.4	408.0	11,100	126,600*	51.3	417.9		114,000*	245
250	41.7	388.7	25,900	134,800*	46.1	403.2	8,500	122,400*	50.1	413.7		110,100*	250
260	38.7	376.6	20,300	126,300*	43.4	392.8	3,800	114,500*	47.5	404.8		102,700*	260
270	35.5	363.1	15,100	115,600*	40.5	381.5		107,100*	44.9	395.0		95,800*	270
280	32.0	347.8	10,300	105,500*	37.4	368.8		100,200*	42.1	384.2		89,400*	280
290	28.1	330.1	5,600	96,200*	34.0	354.5		93,800*	39.1	372.2		83,400*	290
300	23.6	308.9	1,200	87,500*	30.4	338.3		87,700*	35.9	358.9		77,700*	300
310	18.1	281.8		79,600*	26.3	319.2		81,900*	32.4	343.8		72,400*	310
320	9.9	239.6		73,200*	21.5	296.0		76,400*	28.6	326.4		67,300*	320
330					15.2	264.6		71,000*	24.2	305.7		62,500*	330
340									18.9	279.5		57,800*	340
350									11.2	240.5		52,300*	350

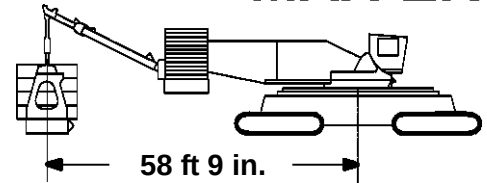
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



200 ft Boom, 120 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
60				c													60
65				c													65
70				c													70
75	67.3	320.9	400,200	651,100*b													75
80	64.6	318.5	366,900	608,500*b													80
85	61.9	315.8	338,000	570,700*b													85
90	59.1	312.8	312,500	537,000*b													90
95	56.3	309.5	289,900	506,700*b	65.9	317.2	244,700	477,100*b									95
100	53.3	305.7	269,800	479,200*b	63.3	314.7	227,300	451,200*b									100
105	50.2	301.5	251,600	454,300*	60.5	311.8	211,700	427,800*b									105
110	46.9	296.9	235,200	431,500*	57.7	308.6	197,500	406,400*b									110
115	43.5	291.6	220,200	410,600*	54.8	305.1	184,600	386,700*b	64.4	311.8	148,500	362,500*b					115
120	39.7	285.7	206,400	391,200*	51.7	301.1	172,800	368,600*	61.7	309.1	138,600	345,300*b					120
125	35.7	278.8	193,600	373,300*	48.5	296.7	161,900	351,900*	58.9	306.1	129,400	329,100*b					125
130	31.2	270.8	181,600	356,600*	45.2	291.8	151,800	335,800*	56.0	302.7	121,000	314,000*b					130
135	25.9	260.9	170,300	340,600*	41.6	286.2	142,400	320,800*	53.0	298.9	113,100	300,000*b					135
140	19.2	247.9	159,300	325,100*	37.7	279.8	133,600	306,800*	49.9	294.7	105,800	287,000*	59.9	301.7	77,500	267,000*b	140
145	7.5	223.9	147,200	309,500*	33.5	272.4	125,300	293,700*	46.7	290.0	98,900	274,900*	57.1	298.4	71,900	255,700*b	145
150					28.6	263.5	117,300	281,300*	43.2	284.7	92,400	263,500*	54.1	294.8	66,600	245,100*b	150
155					22.7	252.3	109,500	269,400*	39.4	278.6	86,300	252,800*	51.0	290.7	61,700	235,200*	155
160					14.6	236.1	101,400	257,800*	35.4	271.7	80,400	242,600*	47.8	286.2	57,000	225,900*	160
165									30.8	263.6	74,700	233,000*	44.4	281.1	52,500	217,000*	165
170									25.4	253.5	69,100	223,700*	40.8	275.4	48,200	208,600*	170
175									18.6	240.1	63,400	214,600*	36.8	268.8	44,000	200,700*	175
180									5.3	212.7	56,100	204,800*	32.4	261.1	39,900	193,000*	180
185													27.4	251.8	35,900	185,700*	185
190													21.2	239.9	31,700	178,500*	190
195													12.0	221.3	26,900	171,000*	195

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

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

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

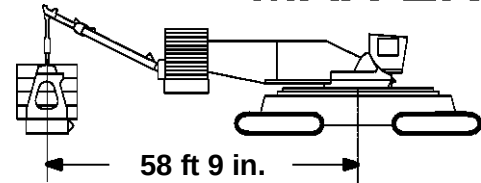
200,000 lb Carbody Counterweight

247,300 lb Hanging Counterweight

at 58 ft 9 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



200 ft Boom, 140 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
65				c													65
70				c													70
75	70.7	342.5	398,200	647,800*b													75
80	68.5	340.6	364,900	605,400*b													80
85	66.3	338.3	335,900	567,800*b													85
90	64.0	335.9	310,500	534,200*b													90
95	61.7	333.1	288,000	504,000*b	69.6	339.1	240,700	473,100*b									95
100	59.3	330.2	268,000	476,700*b	67.4	337.0	223,400	447,400*b									100
105	56.8	326.9	250,000	451,900*	65.1	334.6	207,900	424,100*b									105
110	54.3	323.3	233,700	429,300*	62.8	332.0	193,900	402,800*b									110
115	51.7	319.3	218,900	408,600*	60.4	329.1	181,200	383,300*b									115
120	49.0	315.0	205,400	389,500*	58.0	326.0	169,500	365,400*									120
125	46.1	310.2	192,900	371,800*	55.5	322.6	158,900	348,800*	63.8	329.1	124,600	325,000*b					125
130	43.2	304.9	181,400	355,400*	53.0	318.8	149,000	333,100*	61.5	326.4	116,400	310,200*b					130
135	40.0	298.9	170,800	340,100*	50.3	314.6	139,900	318,400*	59.1	323.4	108,700	296,400*b					135
140	36.6	292.3	160,800	325,400*	47.5	310.1	131,500	304,600*	56.6	320.1	101,600	283,500*					140
145	32.9	284.7	151,400	311,600*	44.6	305.0	123,500	291,800*	54.1	316.5	95,000	271,600*					145
150	28.7	275.8	142,500	298,600*	41.6	299.4	116,100	279,800*	51.5	312.5	88,800	260,400*	59.9	319.0	61,400	241,000*b	150
155	23.8	265.0	134,000	286,300*	38.3	293.1	109,100	268,500*	48.8	308.1	83,000	249,900*	57.5	315.8	56,700	231,200*	155
160	17.7	250.9	125,500	274,400*	34.7	286.0	102,400	257,800*	45.9	303.2	77,500	240,000*	55.0	312.3	52,200	222,000*	160
165	6.8	224.9	116,100	262,300*	30.8	277.8	96,000	247,700*	42.9	297.9	72,200	230,700*	52.4	308.4	48,000	213,400*	165
170					26.3	268.1	89,800	238,100*	39.7	291.9	67,300	221,900*	49.7	304.2	44,000	205,300*	170
175					20.9	255.9	83,700	228,800*	36.3	285.2	62,500	213,500*	46.9	299.5	40,200	197,500*	175
180					13.4	238.2	77,300	219,600*	32.6	277.5	57,900	205,600*	44.0	294.3	36,500	190,200*	180
185									28.3	268.5	53,400	197,900*	40.9	288.6	33,000	183,200*	185
190									23.4	257.6	48,900	190,500*	37.5	282.2	29,600	176,600*	190
195									17.1	243.0	44,300	183,200*	33.9	274.8	26,300	170,200*	195
200									4.7	213.2	38,200	175,100*	29.9	266.4	23,000	164,000*	200
205													25.2	256.2	19,700	158,000*	205
210													19.5	243.2	16,300	152,100*	210
215													11.0	223.0	12,300	146,000*	215

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

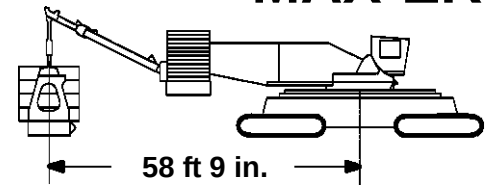
Do not luff into area indicated by
(c) with 37,000 lb minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



200 ft Boom, 160 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
75	73.2	363.7	398,000	645,200*b													75
80	71.3	362.0	364,400	602,900*b													80
85	69.4	360.1	335,200	565,300*b													85
90	67.5	358.0	309,700	531,800*b													90
95	65.5	355.7	287,100	501,700*b													95
100	63.5	353.2	267,000	474,500*													100
105	61.4	350.5	248,900	449,900*	68.4	356.6	205,400	421,200*b									105
110	59.4	347.5	232,700	427,300*	66.5	354.4	191,400	400,000*b									110
115	57.2	344.2	217,900	406,700*	64.5	352.0	178,700	380,600*b									115
120	55.0	340.7	204,500	387,700*	62.5	349.3	167,200	362,800*									120
125	52.8	336.9	192,100	370,200*	60.4	346.5	156,600	346,400*									125
130	50.5	332.8	180,800	354,000*	58.3	343.4	146,900	330,900*									130
135	48.1	328.3	170,300	338,900*	56.1	340.0	137,900	316,200*	63.3	346.5	105,400	293,400*					135
140	45.6	323.4	160,500	324,500*	53.9	336.3	129,500	302,600*	61.3	343.7	98,400	280,700*					140
145	42.9	318.1	151,400	310,900*	51.6	332.4	121,700	289,900*	59.2	340.7	91,900	268,900*					145
150	40.2	312.2	142,900	298,200*	49.3	328.1	114,500	278,100*	57.1	337.5	85,900	257,800*					150
155	37.2	305.7	134,900	286,300*	46.8	323.4	107,700	266,900*	54.9	333.9	80,200	247,400*					155
160	34.1	298.4	127,400	275,000*	44.2	318.2	101,300	256,500*	52.6	330.1	74,800	237,700*	59.9	336.3	48,500	219,000*	160
165	30.6	290.1	120,200	264,400*	41.5	312.6	95,200	246,600*	50.3	326.0	69,800	228,500*	57.8	333.1	44,400	210,500*	165
170	26.7	280.5	113,300	254,300*	38.7	306.5	89,500	237,300*	47.9	321.4	65,000	219,900*	55.6	329.7	40,600	202,500*	170
175	22.2	268.9	106,600	244,700*	35.6	299.6	84,000	228,500*	45.4	316.5	60,500	211,700*	53.4	326.0	36,900	194,900*	175
180	16.4	253.6	99,900	235,300*	32.3	291.8	78,800	220,100*	42.7	311.1	56,200	204,000*	51.1	322.0	33,400	187,700*	180
185	6.3	225.7	92,200	225,500*	28.7	282.9	73,700	212,100*	39.9	305.2	52,100	196,600*	48.7	317.6	30,100	180,900*	185
190					24.5	272.4	68,800	204,400*	37.0	298.6	48,100	189,600*	46.2	312.8	27,000	174,400*	190
195					19.5	259.2	63,800	196,900*	33.8	291.3	44,300	182,900*	43.7	307.6	23,900	168,200*	195
200					12.4	240.2	58,600	189,400*	30.3	282.9	40,600	176,400*	40.9	301.8	21,000	162,300*	200
205									26.4	273.2	37,000	170,200*	38.0	295.5	18,100	156,600*	205
210									21.8	261.3	33,300	164,100*	35.0	288.4	15,400	151,200*	210
215									15.9	245.6	29,400	158,100*	31.6	280.5	12,700	146,000*	215
220									4.3	213.7	24,300	151,400*	27.8	271.2	10,000	140,900*	220
225													23.5	260.3	7,200	135,900*	225
230													18.2	246.3	4,400	131,000*	230
235													10.2	224.6	1,000	125,800*	235

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

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

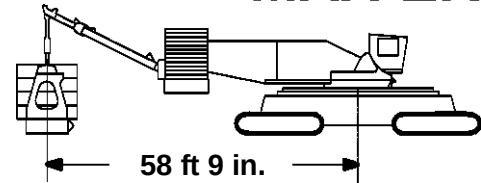
200,000 lb Carbody Counterweight

247,300 lb Hanging Counterweight

at 58 ft 9 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



200 ft Boom, 180 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
80	73.5	383.1	361,300	599,100*b													80
85	71.8	381.5	332,100	561,600*b													85
90	70.1	379.6	306,500	528,200*b													90
95	68.4	377.6	283,900	498,200*b													95
100	66.6	375.5	263,700	471,000*													100
105	64.9	373.1	245,700	446,400*													105
110	63.1	370.5	229,400	424,000*	69.2	376.1	186,700	395,800*b									110
115	61.3	367.8	214,700	403,400*	67.5	374.0	174,100	376,500*									115
120	59.4	364.8	201,300	384,500*	65.8	371.8	162,600	358,700*									120
125	57.5	361.6	189,000	367,100*	64.0	369.3	152,100	342,400*									125
130	55.6	358.2	177,700	350,900*	62.2	366.6	142,400	327,100*									130
135	53.6	354.5	167,300	336,000*	60.3	363.8	133,500	312,600*									135
140	51.6	350.5	157,600	321,800*	58.5	360.7	125,300	299,000*	64.7	366.4	93,000	276,400*					140
145	49.5	346.3	148,700	308,300*	56.6	357.4	117,600	286,400*	63.0	363.8	86,600	264,600*					145
150	47.4	341.6	140,300	295,700*	54.6	353.8	110,500	274,700*	61.1	361.0	80,700	253,600*					150
155	45.1	336.7	132,500	283,900*	52.6	350.0	103,800	263,600*	59.3	358.0	75,100	243,300*					155
160	42.8	331.3	125,100	272,800*	50.5	345.9	97,500	253,300*	57.4	354.8	69,900	233,700*					160
165	40.3	325.4	118,200	262,400*	48.4	341.5	91,600	243,600*	55.5	351.4	65,000	224,600*					165
170	37.7	319.0	111,600	252,600*	46.2	336.7	86,000	234,400*	53.5	347.7	60,300	216,100*	59.9	353.6	34,800	198,000*	170
175	35.0	312.0	105,400	243,200*	43.9	331.5	80,800	225,700*	51.4	343.7	55,900	208,000*	58.1	350.5	31,300	190,500*	175
180	32.0	304.1	99,400	234,400*	41.5	325.9	75,800	217,500*	49.3	339.4	51,800	200,400*	56.1	347.1	28,000	183,400*	180
185	28.8	295.2	93,700	226,000*	39.0	319.7	71,000	209,700*	47.2	334.8	47,800	193,100*	54.2	343.5	24,800	176,700*	185
190	25.1	284.9	88,200	217,900*	36.3	313.0	66,400	202,300*	44.9	329.8	44,100	186,300*	52.2	339.6	21,800	170,300*	190
195	20.8	272.5	82,800	210,100*	33.5	305.6	62,000	195,200*	42.6	324.3	40,500	179,700*	50.1	335.4	18,900	164,200*	195
200	15.4	256.2	77,300	202,500*	30.4	297.2	57,800	188,400*	40.1	318.4	37,000	173,500*	47.9	330.9	16,100	158,400*	200
205					27.0	287.6	53,700	181,900*	37.5	312.0	33,700	167,500*	45.7	326.1	13,500	152,900*	205
210					23.0	276.4	49,600	175,600*	34.7	304.9	30,500	161,800*	43.4	320.8	10,900	147,700*	210
215					18.3	262.3	45,500	169,400*	31.8	296.9	27,400	156,300*	41.0	315.1	8,400	142,600*	215
220					11.7	242.1	41,100	163,200*	28.5	287.9	24,300	150,900*	38.4	308.8	6,000	137,700*	220
225									24.8	277.5	21,300	145,800*	35.7	301.9	3,700	133,100*	225
230									20.5	264.8	18,200	140,700*	32.8	294.3	1,400	128,600*	230
235									14.9	248.1	14,900	135,700*	29.7	285.7		124,200*	235
240									4.0	214.2	10,500	129,900*	26.1	275.8		119,900*	240
245													22.1	264.1		115,800*	245
250													17.1	249.1		111,600*	250

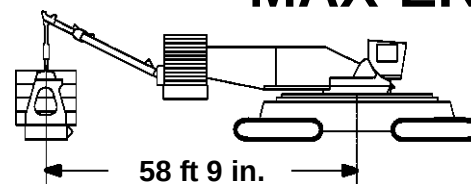
Capacities indicated by (b) require
37,000 lb minimum weight
suspended beneath luffing jib point.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



200 ft Boom, 200 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
85	73.7	402.5	329,700	558,700*													85
90	72.2	400.9	304,000	525,300*													90
95	70.7	399.1	281,300	495,300*													95
100	69.1	397.2	261,100	468,200*													100
105	67.6	395.1	243,100	443,600*													105
110	66.0	392.9	226,800	421,200*													110
115	64.4	390.5	212,100	400,700*	69.9	395.6	170,500	373,200*									115
120	62.8	387.9	198,700	381,900*	68.3	393.6	159,000	355,500*									120
125	61.2	385.1	186,400	364,500*	66.8	391.5	148,600	339,200*									125
130	59.5	382.1	175,100	348,400*	65.2	389.1	138,900	324,100*									130
135	57.8	379.0	164,800	333,500*	63.6	386.6	130,100	309,600*									135
140	56.1	375.6	155,100	319,400*	62.0	384.0	121,900	296,100*									140
145	54.3	372.0	146,200	306,000*	60.3	381.1	114,300	283,600*									145
150	52.5	368.2	137,900	293,500*	58.6	378.0	107,200	271,900*	64.3	383.7	76,600	250,300*					150
155	50.6	364.0	130,200	281,800*	56.9	374.8	100,600	260,900*	62.7	381.1	71,100	240,100*					155
160	48.7	359.7	122,900	270,800*	55.2	371.3	94,400	250,600*	61.0	378.4	66,000	230,500*					160
165	46.8	355.0	116,100	260,500*	53.4	367.6	88,500	241,000*	59.4	375.4	61,100	221,500*					165
170	44.7	349.9	109,600	250,700*	51.6	363.6	83,100	231,900*	57.7	372.2	56,600	213,100*					170
175	42.6	344.5	103,600	241,500*	49.7	359.3	77,900	223,300*	55.9	368.8	52,300	205,100*					175
180	40.4	338.7	97,800	232,800*	47.7	354.8	73,000	215,200*	54.2	365.2	48,200	197,500*	59.9	371.0	23,700	180,000*	180
185	38.1	332.4	92,300	224,500*	45.7	349.9	68,400	207,400*	52.4	361.3	44,400	190,300*	58.3	367.8	20,600	173,400*	185
190	35.7	325.5	87,100	216,700*	43.7	344.7	63,900	200,100*	50.5	357.2	40,700	183,500*	56.5	364.5	17,700	167,100*	190
195	33.1	317.9	82,100	209,200*	41.5	339.1	59,700	193,200*	48.6	352.8	37,200	177,100*	54.8	361.0	14,900	161,100*	195
200	30.3	309.5	77,300	202,000*	39.3	333.0	55,700	186,500*	46.6	348.1	33,900	170,900*	53.0	357.2	12,200	155,400*	200
205	27.2	300.0	72,700	195,200*	36.9	326.4	51,800	180,200*	44.6	343.0	30,700	165,000*	51.2	353.2	9,600	149,900*	205
210	23.8	289.0	68,200	188,500*	34.4	319.2	48,100	174,100*	42.5	337.6	27,600	159,400*	49.3	348.9	7,200	144,700*	210
215	19.7	275.8	63,700	182,100*	31.7	311.2	44,500	168,300*	40.3	331.7	24,700	154,000*	47.3	344.3	4,800	139,800*	215
220	14.6	258.6	59,100	175,800*	28.7	302.3	41,000	162,700*	37.9	325.3	21,900	148,900*	45.3	339.3	2,600	135,000*	220
225	5.5	227.3	53,700	169,000*	25.5	292.1	37,600	157,300*	35.5	318.4	19,100	143,900*	43.2	334.0	400	130,500*	225
230					21.8	280.1	34,200	152,000*	32.9	310.7	16,400	139,200*	41.0	328.3		126,100*	230
235					17.3	265.3	30,800	146,900*	30.0	302.2	13,800	134,600*	38.8	322.1		121,900*	235
240					11.0	243.9	27,000	141,600*	26.9	292.7	11,300	130,100*	36.4	315.4		117,800*	240
245									23.5	281.6	8,700	125,800*	33.8	308.0		113,900*	245
250									19.4	268.1	6,100	121,500*	31.1	299.8		110,100*	250
260									3.7	214.6		112,200*	24.7	280.1		102,700*	260
270													16.1	251.9		95,600*	270

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

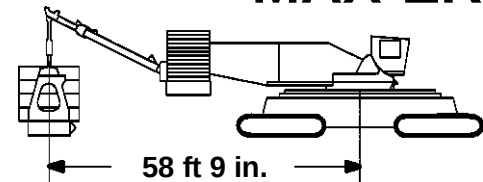
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



200 ft Boom, 220 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
90	73.8	421.9	301,600	518,100*(b)													90
95	72.5	420.3	278,700	491,500*													95
100	71.1	418.6	258,300	464,400*													100
105	69.7	416.7	240,100	439,900*													105
110	68.3	414.7	223,700	417,500*													110
115	66.9	412.6	208,900	397,100*													115
120	65.5	410.3	195,400	378,300*													120
125	64.0	407.8	183,100	360,900*	69.0	413.2	144,000	334,900*									125
130	62.5	405.2	171,800	344,900*	67.6	411.1	134,400	319,900*									130
135	61.1	402.4	161,400	330,000*	66.2	408.9	125,500	305,600*									135
140	59.5	399.5	151,700	316,100*	64.7	406.5	117,300	292,100*									140
145	58.0	396.3	142,800	302,800*	63.3	404.0	109,800	279,600*									145
150	56.4	393.0	134,500	290,300*	61.8	401.3	102,700	268,000*									150
155	54.8	389.5	126,700	278,600*	60.3	398.4	96,100	257,100*									155
160	53.2	385.7	119,500	267,700*	58.8	395.4	89,900	246,900*	63.9	401.1	60,600	226,200*					160
165	51.6	381.7	112,700	257,400*	57.2	392.1	84,100	237,200*	62.4	398.5	55,800	217,200*					165
170	49.8	377.5	106,300	247,700*	55.6	388.7	78,700	228,200*	60.9	395.7	51,300	208,800*					170
175	48.1	373.0	100,300	238,500*	54.0	385.1	73,600	219,700*	59.4	392.7	47,000	200,900*					175
180	46.3	368.3	94,600	229,900*	52.4	381.2	68,800	211,600*	57.9	389.6	43,000	193,300*					180
185	44.4	363.2	89,200	221,700*	50.7	377.1	64,200	203,900*	56.3	386.2	39,300	186,200*					185
190	42.5	357.7	84,100	213,900*	49.0	372.8	59,800	196,700*	54.7	382.7	35,700	179,500*	59.9	388.3	11,800	162,500*	190
195	40.5	351.9	79,200	206,500*	47.2	368.1	55,700	189,800*	53.1	378.9	32,200	173,100*	58.4	385.2	9,100	156,600*	195
200	38.4	345.7	74,500	199,500*	45.4	363.2	51,800	183,300*	51.4	374.9	29,000	167,000*	56.9	381.9	6,500	150,900*	200
205	36.2	338.9	70,100	192,800*	43.5	358.0	48,000	177,000*	49.7	370.7	25,900	161,200*	55.3	378.4	4,000	145,600*	205
210	33.9	331.5	65,800	186,300*	41.5	352.3	44,400	171,000*	48.0	366.2	22,900	155,700*	53.7	374.7	1,700	140,400*	210
215	31.5	323.5	61,700	180,200*	39.5	346.3	41,000	165,300*	46.2	361.4	20,100	150,400*	52.0	370.8		135,600*	215
220	28.8	314.6	57,700	174,300*	37.3	339.8	37,600	159,900*	44.3	356.2	17,400	145,300*	50.3	366.7		130,900*	220
225	25.9	304.5	53,900	168,600*	35.1	332.7	34,400	154,600*	42.4	350.8	14,700	140,500*	48.6	362.3		126,400*	225
230	22.6	293.0	50,100	163,000*	32.7	325.0	31,300	149,600*	40.4	344.9	12,200	135,800*	46.8	357.6		122,100*	230
235	18.7	279.1	46,300	157,600*	30.1	316.5	28,300	144,700*	38.3	338.6	9,800	131,300*	45.0	352.6		117,900*	235
240	13.8	260.9	42,400	152,300*	27.3	307.1	25,400	140,000*	36.1	331.8	7,400	127,000*	43.0	347.2		114,000*	240
245	5.2	228.1	37,700	146,500*	24.2	296.3	22,500	135,400*	33.7	324.4	5,100	122,800*	41.1	341.5		110,100*	245
250					20.7	283.7	19,600	130,900*	31.3	316.3	2,800	118,800*	39.0	335.4		106,400*	250
260					10.4	245.6	13,400	122,000*	25.6	297.2		111,100*	34.6	321.6		99,400*	260
270									18.4	271.3		103,700*	29.5	305.1		92,800*	270
280									3.5	215.0		95,600*	23.5	284.2		86,500*	280
290													15.3	254.5		80,300*	290

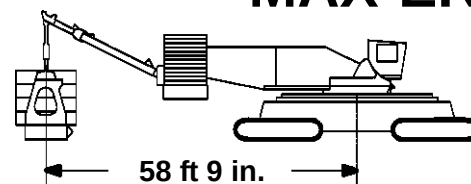
Capacities indicated by (b) require
37,000 lb minimum weight
suspended beneath luffing jib point.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

21000
MAX-ER



200 ft Boom, 240 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
95	74.0	441.3	275,400	454,100*													95
100	72.7	439.7	254,900	454,100*													100
105	71.5	438.0	236,600	436,500*													105
110	70.2	436.2	220,200	414,200*													110
115	68.9	434.3	205,300	393,700*													115
120	67.6	432.2	191,800	374,900*													120
125	66.3	430.0	179,400	357,600*													125
130	65.0	427.6	168,100	341,600*	69.6	432.7	130,000	316,200*									130
135	63.7	425.2	157,700	326,700*	68.3	430.7	121,200	302,000*									135
140	62.3	422.5	148,100	312,900*	67.0	428.6	113,000	288,600*									140
145	61.0	419.7	139,100	299,600*	65.7	426.3	105,400	276,100*									145
150	59.6	416.8	130,800	287,200*	64.3	423.9	98,400	264,500*									150
155	58.2	413.7	123,100	275,500*	63.0	421.3	91,800	253,600*									155
160	56.7	410.4	115,900	264,600*	61.6	418.6	85,700	243,400*									160
165	55.3	406.9	109,100	254,400*	60.3	415.7	79,900	233,800*	64.9	420.9	51,000	213,400*					165
170	53.8	403.2	102,700	244,700*	58.9	412.7	74,500	224,800*	63.6	418.4	46,500	205,000*					170
175	52.3	399.4	96,700	235,600*	57.4	409.5	69,400	216,300*	62.2	415.8	42,300	197,100*					175
180	50.8	395.3	91,000	227,000*	56.0	406.1	64,600	208,300*	60.9	413.0	38,400	189,700*					180
185	49.2	391.0	85,700	218,800*	54.5	402.6	60,100	200,700*	59.5	410.0	34,600	182,600*					185
190	47.6	386.4	80,600	211,100*	53.0	398.8	55,800	193,400*	58.1	406.9	31,100	175,900*					190
195	45.9	381.6	75,800	203,700*	51.5	394.8	51,700	186,600*	56.6	403.6	27,700	169,500*					195
200	44.2	376.4	71,200	196,800*	50.0	390.6	47,800	180,100*	55.2	400.1	24,500	163,500*	60.0	405.6	1,500	147,100*	200
205	42.4	371.0	66,800	190,100*	48.4	386.2	44,100	173,900*	53.7	396.4	21,400	157,700*	58.6	402.5		141,800*	205
210	40.6	365.2	62,700	183,700*	46.7	381.5	40,600	168,000*	52.2	392.5	18,500	152,200*	57.1	399.3		136,700*	210
215	38.7	359.0	58,700	177,700*	45.0	376.5	37,200	162,300*	50.6	388.4	15,700	147,000*	55.7	395.9		131,800*	215
220	36.7	352.3	54,800	171,800*	43.3	371.2	33,900	156,900*	49.1	384.1	13,100	141,900*	54.2	392.2		127,200*	220
225	34.6	345.1	51,100	166,300*	41.5	365.5	30,800	151,700*	47.4	379.5	10,500	137,100*	52.7	388.4		122,700*	225
230	32.4	337.3	47,600	160,900*	39.6	359.5	27,800	146,700*	45.8	374.6	8,000	132,500*	51.2	384.4		118,500*	230
235	30.1	328.8	44,100	155,700*	37.7	353.1	24,900	142,000*	44.1	369.5	5,700	128,100*	49.6	380.1		114,400*	235
240	27.5	319.4	40,800	150,800*	35.7	346.2	22,200	137,400*	42.3	364.0	3,400	123,900*	48.0	375.6		110,500*	240
245	24.7	308.9	37,500	145,900*	33.5	338.7	19,500	132,900*	40.4	358.2	1,200	119,800*	46.4	370.9		106,700*	245
250	21.6	296.7	34,300	141,200*	31.2	330.6	16,800	128,700*	38.5	351.9		115,800*	44.7	365.8		103,100*	250
260	13.2	263.1	27,700	132,100*	26.1	311.7	11,700	120,500*	34.4	338.0		108,400*	41.1	354.8		96,200*	260
270					19.8	287.1	6,700	112,700*	29.9	321.6		101,300*	37.3	342.1		89,700*	270
280					10.0	247.2	1,300	105,000*	24.5	301.4		94,700*	33.0	327.5		83,700*	280
290									17.6	274.3		88,300*	28.2	310.0		78,000*	290
300									3.3	215.4		81,200*	22.5	288.2		72,500*	300
310													14.6	256.9		67,000*	310

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

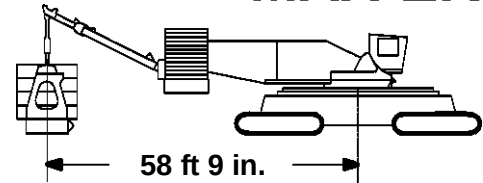
200,000 lb Carbody Counterweight

247,300 lb Hanging Counterweight

at 58 ft 9 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



200 ft Boom, 260 ft Luffing Jib

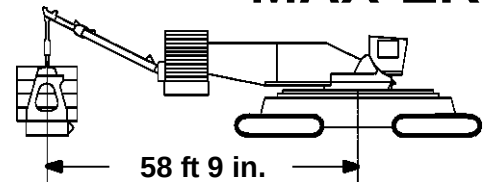
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds		
100	74.1	460.7	251,100	397,100*													100
105	73.0	459.1	232,800	397,100*													105
110	71.8	457.5	216,300	397,100*													110
115	70.6	455.7	201,400	390,000*													115
120	69.4	453.8	187,800	371,200*													120
125	68.3	451.8	175,400	353,900*													125
130	67.1	449.7	164,100	337,900*													130
135	65.9	447.4	153,700	323,100*	70.0	452.2	116,200	297,800*									135
140	64.6	445.0	144,000	309,200*	68.8	450.3	108,000	284,500*									140
145	63.4	442.5	135,100	296,200*	67.6	448.2	100,500	272,000*									145
150	62.2	439.9	126,800	283,800*	66.4	446.0	93,400	260,400*									150
155	60.9	437.0	119,100	272,100*	65.2	443.7	86,900	249,600*									155
160	59.6	434.1	111,800	261,200*	64.0	441.2	80,800	239,400*									160
165	58.3	431.0	105,100	251,000*	62.8	438.7	75,100	229,900*									165
170	57.0	427.8	98,700	241,400*	61.5	435.9	69,700	220,900*									170
175	55.7	424.3	92,700	232,300*	60.2	433.1	64,600	212,400*	64.5	438.3	36,800	192,800*					175
180	54.3	420.7	87,100	223,700*	59.0	430.0	59,900	204,400*	63.3	435.8	32,800	185,300*					180
185	52.9	417.0	81,800	215,600*	57.6	426.9	55,300	196,900*	62.1	433.1	29,200	178,300*					185
190	51.5	413.0	76,700	207,900*	56.3	423.5	51,100	189,700*	60.8	430.3	25,700	171,700*					190
195	50.1	408.8	71,900	200,600*	55.0	420.0	47,000	182,900*	59.5	427.4	22,300	165,300*					195
200	48.6	404.4	67,400	193,600*	53.6	416.3	43,200	176,400*	58.2	424.2	19,200	159,300*					200
205	47.1	399.7	63,100	187,000*	52.2	412.4	39,500	170,200*	56.9	421.0	16,200	153,600*					205
210	45.6	394.8	58,900	180,700*	50.8	408.4	36,000	164,400*	55.6	417.5	13,300	148,100*	60.0	422.9	132,200*		210
215	44.0	389.7	55,000	174,600*	49.3	404.1	32,700	158,800*	54.2	413.9	10,600	142,900*	58.7	419.9	127,400*		215
220	42.3	384.2	51,200	168,900*	47.8	399.5	29,500	153,400*	52.8	410.1	8,000	138,000*	57.4	416.6	122,800*		220
225	40.7	378.4	47,600	163,400*	46.3	394.8	26,500	148,300*	51.4	406.1	5,500	133,200*	56.0	413.3	118,400*		225
230	38.9	372.2	44,100	158,100*	44.8	389.7	23,600	143,300*	50.0	401.9	3,100	128,600*	54.7	409.7	114,200*		230
235	37.1	365.7	40,800	153,000*	43.2	384.4	20,700	138,600*	48.5	397.5	800	124,300*	53.3	406.0	110,100*		235
240	35.2	358.6	37,600	148,100*	41.5	378.8	18,000	134,100*	47.0	392.8		120,100*	51.9	402.1	106,200*		240
245	33.2	351.1	34,500	143,400*	39.8	372.8	15,400	129,700*	45.4	387.9		116,000*	50.5	397.9	102,500*		245
250	31.1	342.9	31,500	138,900*	38.0	366.4	12,900	125,500*	43.9	382.7		112,200*	49.0	393.6	98,900*		250
260	26.4	324.1	25,600	130,200*	34.2	352.3	8,100	117,600*	40.5	371.4		104,800*	46.0	384.2	92,200*		260
270	20.7	300.3	20,000	122,000*	29.9	335.9	3,500	110,100*	36.9	358.6		97,900*	42.8	373.7	85,800*		270
280	12.7	265.3	14,300	114,100*	25.0	316.1		103,100*	33.0	343.9		91,500*	39.4	361.9	79,900*		280
290					19.0	290.4		96,300*	28.6	326.7		85,400*	35.7	348.6	74,400*		290
300					9.5	248.8		89,500*	23.5	305.5		79,700*	31.7	333.1	69,200*		300
310									16.9	277.2		74,000*	27.1	314.8	64,200*		310
320									3.1	215.8		67,700*	21.5	291.9	59,000*		320
330													14.0	259.3	53,100*		330

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



200 ft Boom, 280 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
105	74.2	480.0	231,000	346,800*									105
110	73.1	478.5	214,300	346,800*									110
115	72.1	476.9	199,200	346,800*									115
120	71.0	475.1	185,500	346,800*									120
125	69.9	473.3	172,900	346,800*									125
130	68.8	471.4	161,500	334,800*									130
135	67.7	469.3	150,900	320,000*									135
140	66.6	467.1	141,200	306,200*									140
145	65.4	464.8	132,200	293,200*	69.3	469.8	96,800	268,700*					145
150	64.3	462.4	123,900	280,800*	68.2	467.8	89,800	257,100*					150
155	63.2	459.8	116,100	269,200*	67.1	465.7	83,200	246,300*					155
160	62.0	457.2	108,800	258,300*	66.0	463.4	77,100	236,200*					160
165	60.8	454.4	102,000	248,100*	64.9	461.1	71,300	226,600*					165
170	59.6	451.4	95,600	238,500*	63.7	458.6	65,900	217,700*					170
175	58.4	448.4	89,600	229,400*	62.6	456.0	60,900	209,200*					175
180	57.2	445.1	84,000	220,900*	61.4	453.3	56,100	201,300*					180
185	56.0	441.7	78,600	212,800*	60.2	450.4	51,600	193,700*	64.2	455.7	24,800	174,800*	185
190	54.7	438.2	73,600	205,100*	59.0	447.4	47,300	186,600*	63.1	453.1	21,300	168,200*	190
195	53.5	434.5	68,800	197,800*	57.8	444.2	43,300	179,800*	61.9	450.4	18,000	161,900*	195
200	52.2	430.6	64,300	190,900*	56.6	440.9	39,500	173,300*	60.7	447.6	14,900	155,900*	200
205	50.8	426.5	59,900	184,300*	55.3	437.5	35,800	167,200*	59.5	444.7	11,900	150,200*	205
210	49.5	422.2	55,800	178,000*	54.1	433.8	32,300	161,300*	58.3	441.6	9,100	144,800*	210
215	48.1	417.8	51,900	172,000*	52.8	430.0	29,000	155,800*	57.1	438.4	6,400	139,600*	215
220	46.7	413.1	48,200	166,300*	51.5	426.0	25,900	150,400*	55.9	435.0	3,800	134,700*	220
225	45.3	408.1	44,600	160,800*	50.2	421.9	22,900	145,300*	54.6	431.4	1,300	130,000*	225
230	43.8	402.9	41,100	155,500*	48.8	417.5	20,000	140,400*	53.4	427.7		125,400*	230
235	42.3	397.4	37,800	150,500*	47.4	412.9	17,200	135,800*	52.1	423.8		121,100*	235
240	40.7	391.6	34,700	145,600*	46.0	408.1	14,500	131,300*	50.7	419.7		116,900*	240
245	39.1	385.5	31,600	141,000*	44.5	403.0	11,900	126,900*	49.4	415.4		112,900*	245
250	37.4	379.0	28,700	136,500*	43.0	397.6	9,500	122,800*	48.0	410.9		109,100*	250
260	33.8	364.7	23,100	128,000*	39.9	386.0	4,800	114,900*	45.2	401.2		101,800*	260
270	29.9	348.2	17,800	120,100*	36.5	373.0	400	107,600*	42.2	390.5		95,000*	270
280	25.4	328.5	12,800	112,700*	32.9	358.2		100,700*	39.0	378.5		88,700*	280
290	19.9	303.7	7,900	105,600*	28.8	341.0		94,300*	35.5	365.0		82,800*	290
300	12.2	267.3	2,800	98,600*	24.1	320.3		88,200*	31.8	349.6		77,200*	300
310					18.3	293.5		82,200*	27.5	331.5		71,900*	310
320					9.2	250.3		76,200*	22.6	309.5		66,800*	320
330									16.2	280.0		61,800*	330
340									3.0	216.1		56,200*	340

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

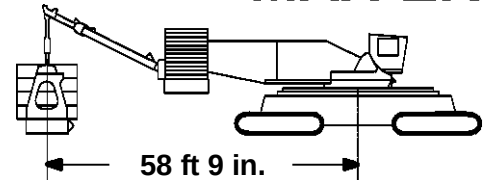
200,000 lb Carbody Counterweight

247,300 lb Hanging Counterweight

at 58 ft 9 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



200 ft Boom, 300 ft Luffing Jib

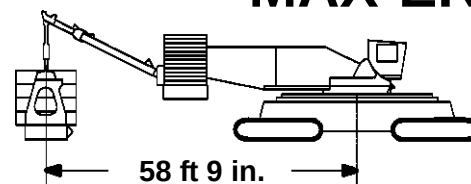
Jib Oper. Rad. Feet	85 Degree Boom Angle					80 Degree Boom Angle				75 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds		Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
110	74.3	499.4	210,300	304,400*										110
115	73.3	497.9	195,100	304,400*										115
120	72.3	496.3	181,300	304,400*										120
125	71.3	494.6	168,800	304,400*										125
130	70.3	492.8	157,300	304,400*										130
135	69.3	490.9	146,700	304,400*										135
140	68.2	488.9	137,000	302,400*										140
145	67.2	486.7	128,000	289,600*										145
150	66.1	484.5	119,600	277,300*	69.8	489.3	84,700	253,000*						150
155	65.1	482.2	111,800	265,700*	68.7	487.4	78,100	242,200*						155
160	64.0	479.7	104,600	254,800*	67.7	485.3	72,000	232,100*						160
165	62.9	477.2	97,800	244,600*	66.7	483.1	66,300	222,600*						165
170	61.9	474.5	91,400	235,000*	65.6	480.9	60,900	213,700*						170
175	60.8	471.7	85,400	225,900*	64.5	478.5	55,900	205,300*						175
180	59.7	468.8	79,700	217,400*	63.5	476.0	51,100	197,300*						180
185	58.5	465.7	74,400	209,300*	62.4	473.3	46,600	189,800*						185
190	57.4	462.5	69,400	201,600*	61.3	470.6	42,400	182,700*	65.0	475.5	15,700	163,800*		190
195	56.3	459.1	64,600	194,400*	60.2	467.7	38,400	175,900*	63.9	473.0	12,500	157,600*		195
200	55.1	455.6	60,100	187,500*	59.1	464.7	34,600	169,500*	62.9	470.5	9,400	151,600*		200
205	53.9	452.0	55,800	180,900*	58.0	461.6	31,000	163,400*	61.8	467.8	6,400	146,000*		205
210	52.7	448.2	51,700	174,600*	56.8	458.3	27,500	157,500*	60.7	465.0	3,600	140,600*		210
215	51.5	444.2	47,800	168,700*	55.7	454.9	24,200	152,000*	59.6	462.0	1,000	135,400*		215
220	50.2	440.0	44,000	162,900*	54.5	451.3	21,100	146,700*	58.5	458.9		130,500*		220
225	49.0	435.7	40,500	157,500*	53.3	447.6	18,100	141,600*	57.3	455.7		125,800*		225
230	47.7	431.1	37,100	152,300*	52.1	443.7	15,300	136,700*	56.2	452.4		121,300*		230
235	46.4	426.4	33,800	147,200*	50.9	439.6	12,500	132,100*	55.0	448.8		117,000*		235
240	45.0	421.4	30,700	142,400*	49.6	435.3	9,900	127,600*	53.8	445.2		112,900*		240
245	43.6	416.1	27,700	137,800*	48.3	430.9	7,300	123,300*	52.6	441.4		108,900*		245
250	42.2	410.6	24,800	133,400*	47.0	426.2	4,900	119,200*	51.4	437.4		105,100*		250
260	39.3	398.8	19,300	125,000*	44.3	416.2	300	111,400*	48.9	428.8		97,900*		260
270	36.1	385.5	14,100	117,200*	41.5	405.2		104,200*	46.3	419.5		91,200*		270
280	32.6	370.5	9,300	107,300*	38.5	393.0		97,400*	43.5	409.2		85,000*		280
290	28.8	353.3	4,700	97,800*	35.2	379.4		91,100*	40.6	397.9		79,100*		290
300	24.5	332.8	300	88,900*	31.7	363.9		85,100*	37.6	385.3		73,700*		300
310	19.2	307.0		81,000*	27.8	345.9		79,500*	34.3	371.2		68,500*		310
320	11.7	269.3		74,400*	23.2	324.4		74,100*	30.6	355.1		63,600*		320
330					17.6	296.6		68,800*	26.6	336.2		58,900*		330
340					8.8	251.8		63,500*	21.8	313.3		54,000*		340

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

21000
MAX-ER



220 ft Boom, 120 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
65				c													65
70				c													70
75				c													75
80	65.6	339.3	365,000	604,300*b													80
85	62.9	336.7	336,100	566,800*b													85
90	60.1	333.8	310,700	533,200*b													90
95	57.3	330.6	288,300	503,100*b													95
100	54.3	327.0	268,200	475,900*b	65.1	336.2	219,500	443,900*b									100
105	51.3	323.0	250,100	451,100*	62.4	333.5	204,300	420,800*b									105
110	48.1	318.5	233,700	428,500*	59.7	330.6	190,500	399,700*b									110
115	44.7	313.5	218,800	407,700*	56.8	327.3	178,000	380,400*b									115
120	41.1	307.8	205,100	388,500*	53.8	323.6	166,500	362,600*b	64.5	331.2	127,200	336,100*b					120
125	37.1	301.2	192,400	370,700*	50.8	319.5	155,900	346,100*	61.8	328.5	118,600	320,200*b					125
130	32.8	293.7	180,500	354,200*	47.5	315.0	146,200	330,600*	59.0	325.5	110,700	305,600*b					130
135	27.8	284.5	169,400	338,600*	44.1	309.8	137,100	315,800*	56.1	322.1	103,300	292,000*b					135
140	21.8	272.9	158,600	323,500*	40.4	304.0	128,500	302,100*	53.2	318.4	96,400	279,300*b					140
145	13.0	255.3	147,600	308,600*	36.5	297.4	120,500	289,200*	50.0	314.2	89,900	267,500*					145
150					32.0	289.6	112,800	277,000*	46.8	309.5	83,900	256,400*	58.1	318.4	54,100	235,300*b	150
155					26.9	280.1	105,500	265,500*	43.3	304.2	78,100	246,000*	55.2	315.0	49,600	225,700*b	155
160					20.6	267.9	98,100	254,400*	39.6	298.2	72,600	236,100*	52.2	311.1	45,400	216,700*b	160
165					10.8	248.0	90,100	243,200*	35.5	291.3	67,400	226,800*	49.0	306.7	41,400	208,200*	165
170									31.0	283.2	62,300	217,900*	45.7	301.8	37,500	200,200*	170
175									25.6	273.2	57,200	209,300*	42.1	296.4	33,800	192,600*	175
180									18.9	260.0	52,000	201,000*	38.3	290.1	30,300	185,300*	180
185									6.4	234.4	45,400	191,900*	34.1	282.9	26,700	178,300*	185
190													29.4	274.2	23,200	171,600*	190
195													23.7	263.5	19,600	165,000*	195
200													16.1	248.4	15,700	158,400*	200

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

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

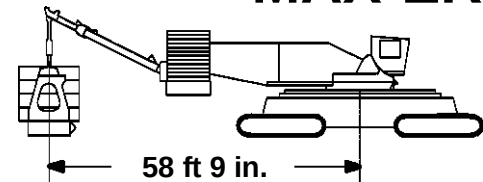
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



220 ft Boom, 140 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
70				c													70
75				c													75
80	69.3	361.2	363,700	601,000*b													80
85	67.0	359.1	334,700	563,600*b													85
90	64.8	356.7	309,300	530,300*b													90
95	62.5	354.0	286,800	500,300*b													95
100	60.1	351.2	266,700	473,200*b	68.9	358.1	215,700	439,800*b									100
105	57.7	348.0	248,700	448,600*	66.7	356.0	200,600	416,900*b									105
110	55.2	344.5	232,400	426,100*	64.4	353.5	186,900	396,000*b									110
115	52.6	340.6	217,700	405,500*	62.1	350.9	174,500	376,800*b									115
120	49.9	336.4	204,200	386,600*	59.7	347.9	163,200	359,100*b									120
125	47.1	331.8	191,800	369,100*	57.3	344.7	152,800	342,800*									125
130	44.2	326.7	180,300	352,800*	54.8	341.1	143,200	327,700*	63.9	348.6	105,800	301,400*b					130
135	41.1	321.0	169,700	337,700*	52.2	337.3	134,400	313,100*	61.6	345.8	98,600	288,000*b					135
140	37.8	314.6	159,800	323,400*	49.5	333.0	126,100	299,600*	59.2	342.8	91,900	275,500*b					140
145	34.2	307.4	150,500	309,700*	46.7	328.3	118,400	287,000*	56.7	339.5	85,700	263,800*					145
150	30.2	299.0	141,700	296,800*	43.7	323.1	111,200	275,200*	54.2	335.9	79,800	252,900*					150
155	25.6	289.0	133,200	284,600*	40.6	317.3	104,400	264,000*	51.6	331.9	74,300	242,700*					155
160	20.0	276.3	125,000	272,900*	37.2	310.8	97,900	253,600*	48.9	327.6	69,200	233,100*	58.4	335.8	40,200	212,500*b	160
165	11.9	257.1	116,400	261,400*	33.6	303.4	91,800	243,700*	46.0	322.7	64,300	224,100*	55.9	332.4	36,400	204,200*	165
170					29.5	294.8	85,800	234,300*	43.0	317.4	59,600	215,500*	53.4	328.7	32,800	196,400*	170
175					24.8	284.4	80,100	225,200*	39.8	311.5	55,100	207,400*	50.7	324.6	29,300	188,900*	175
180					19.0	271.0	74,200	216,500*	36.4	304.8	50,900	199,600*	48.0	320.1	26,100	181,900*	180
185					9.9	249.5	67,800	207,500*	32.7	297.1	46,700	192,300*	45.1	315.1	22,900	175,200*	185
190									28.5	288.2	42,600	185,200*	42.0	309.6	19,900	168,800*	190
195									23.6	277.3	38,600	178,300*	38.8	303.4	17,000	162,700*	195
200									17.4	262.9	34,300	171,500*	35.3	296.4	14,100	156,900*	200
205									5.8	235.1	28,900	164,000*	31.4	288.4	11,200	151,200*	205
210													27.0	279.0	8,400	145,700*	210
215													21.8	267.2	5,500	140,400*	215
220													14.8	250.8	2,200	134,900*	220

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

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

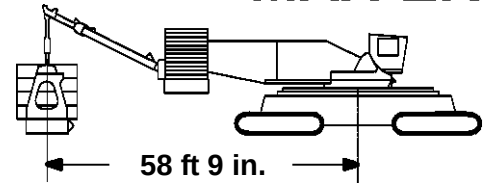
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



220 ft Boom, 160 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
75				c													75
80	72.0	382.6	362,100	598,400* b													80
85	70.1	380.7	333,000	561,100* b													85
90	68.1	378.7	307,500	527,800* b													90
95	66.2	376.5	285,100	498,000* b													95
100	64.2	374.0	265,000	471,000* b													100
105	62.2	371.4	247,100	446,400*	69.8	377.7	197,400	413,900* b									105
110	60.1	368.5	230,900	424,100*	67.8	375.6	183,900	393,000* b									110
115	58.0	365.3	216,200	403,600*	65.9	373.4	171,500	373,900* b									115
120	55.8	361.9	202,800	384,800*	63.9	370.9	160,300	356,400* b									120
125	53.6	358.2	190,500	367,400*	61.8	368.2	150,000	340,200*									125
130	51.3	354.2	179,200	351,300*	59.7	365.2	140,600	325,200*									130
135	48.9	349.9	168,800	336,300*	57.6	362.1	131,800	310,800*									135
140	46.4	345.1	159,100	322,300*	55.4	358.6	123,700	297,400*	63.4	365.9	88,200	272,500* b					140
145	43.9	339.9	150,100	308,800*	53.2	354.9	116,200	284,900*	61.4	363.1	82,100	260,900*					145
150	41.2	334.2	141,600	296,200*	50.9	350.8	109,100	273,200*	59.3	360.1	76,400	250,100*					150
155	38.3	328.0	133,700	284,400*	48.5	346.4	102,500	262,300*	57.1	356.9	71,100	240,000*					155
160	35.2	321.0	126,200	273,200*	46.0	341.5	96,300	252,000*	54.9	353.4	66,100	230,600*					160
165	31.9	313.1	119,100	262,700*	43.4	336.3	90,500	242,300*	52.7	349.6	61,400	221,600*					165
170	28.1	304.0	112,300	252,700*	40.7	330.5	84,900	233,200*	50.4	345.4	56,900	213,200*	58.6	353.1	28,900	193,300*	170
175	23.9	293.1	105,700	243,100*	37.8	324.1	79,600	224,500*	48.0	340.9	52,700	205,300*	56.4	349.8	25,600	186,000*	175
180	18.7	279.5	99,100	233,900*	34.7	317.0	74,600	216,300*	45.4	336.0	48,600	197,700*	54.2	346.2	22,500	179,100*	180
185	11.1	258.9	92,300	224,700*	31.3	308.9	69,700	208,400*	42.8	330.6	44,800	190,600*	52.0	342.3	19,600	172,500*	185
190					27.5	299.6	65,000	200,900*	40.1	324.7	41,100	183,700*	49.6	338.0	16,700	166,300*	190
195					23.1	288.4	60,300	193,600*	37.1	318.2	37,500	177,200*	47.2	333.4	14,000	160,400*	195
200					17.6	274.0	55,600	186,500*	33.9	310.9	34,100	171,000*	44.6	328.3	11,400	154,700*	200
205					9.2	250.9	50,300	179,200*	30.4	302.5	30,700	165,000*	42.0	322.8	8,900	149,300*	205
210									26.5	292.9	27,400	159,200*	39.1	316.7	6,400	144,100*	210
215									22.0	281.1	24,100	153,500*	36.1	309.9	4,000	139,100*	215
220									16.1	265.6	20,500	147,900*	32.9	302.3	1,700	134,300*	220
225									5.3	235.8	15,900	141,700*	29.3	293.6		129,600*	225
230													25.2	283.4		125,000*	230
235													20.3	270.7		120,500*	235
240													13.7	253.1		115,900*	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

458,700 lb Crane Counterweight

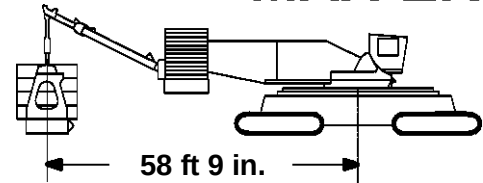
200,000 lb Carbody Counterweight

247,300 lb Hanging Counterweight

at 58 ft 9 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



220 ft Boom, 180 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
80	74.1	403.6	358,900	594,500*													80
85	72.4	402.0	329,700	557,300*													85
90	70.7	400.2	304,200	524,100*													90
95	69.0	398.3	281,700	494,300*													95
100	67.3	396.2	261,600	467,400*													100
105	65.5	393.9	243,700	442,900*													105
110	63.7	391.4	227,500	420,600*													110
115	61.9	388.7	212,800	400,200*	68.7	395.2	166,600	369,600*									115
120	60.1	385.8	199,500	381,500*	67.0	393.1	155,500	352,200*									120
125	58.2	382.7	187,300	364,200*	65.2	390.7	145,300	336,100*									125
130	56.3	379.3	176,000	348,100*	63.4	388.2	135,900	321,200*									130
135	54.3	375.7	165,700	333,300*	61.6	385.5	127,300	307,000*									135
140	52.3	371.9	156,100	319,400*	59.8	382.6	119,200	293,700*									140
145	50.3	367.7	147,200	306,100*	57.9	379.4	111,800	281,300*	64.8	385.8	76,500	256,400*					145
150	48.1	363.2	138,900	293,600*	56.0	376.0	104,900	269,700*	63.0	383.2	70,900	245,700*					150
155	45.9	358.4	131,100	281,900*	54.0	372.4	98,400	258,800*	61.2	380.5	65,700	235,700*					155
160	43.6	353.1	123,800	270,900*	52.0	368.5	92,300	248,600*	59.4	377.5	60,800	226,400*					160
165	41.2	347.5	116,900	260,600*	49.9	364.3	86,600	239,100*	57.5	374.3	56,200	217,500*					165
170	38.6	341.3	110,400	250,800*	47.8	359.7	81,200	230,000*	55.5	370.8	51,900	209,200*					170
175	36.0	334.4	104,200	241,500*	45.5	354.8	76,100	221,500*	53.6	367.1	47,800	201,400*					175
180	33.1	326.9	98,300	232,700*	43.2	349.5	71,200	213,400*	51.5	363.1	43,900	193,900*	58.8	370.5	16,700	174,500*	180
185	29.9	318.4	92,700	224,400*	40.8	343.7	66,600	205,800*	49.4	358.9	40,200	186,900*	56.9	367.2	13,900	168,100*	185
190	26.4	308.6	87,200	216,400*	38.2	337.5	62,200	198,500*	47.3	354.2	36,700	180,200*	54.9	363.7	11,200	162,000*	190
195	22.4	297.0	81,900	208,700*	35.5	330.5	58,000	191,500*	45.0	349.3	33,300	173,800*	52.9	359.9	8,600	156,100*	195
200	17.5	282.4	76,600	201,200*	32.6	322.8	53,900	184,900*	42.7	343.9	30,100	167,700*	50.9	355.8	6,100	150,600*	200
205	10.4	260.6	70,900	193,600*	29.4	314.1	50,000	178,500*	40.2	338.0	27,000	161,900*	48.7	351.4	3,800	145,300*	205
210					25.8	304.1	46,100	172,300*	37.6	331.5	24,000	156,400*	46.5	346.7	1,500	140,200*	210
215					21.7	292.1	42,300	166,300*	34.9	324.4	21,100	151,000*	44.3	341.6		135,400*	215
220					16.6	276.8	38,300	160,400*	31.9	316.5	18,300	145,900*	41.9	336.0		130,700*	220
225					8.6	252.2	33,800	154,300*	28.6	307.6	15,500	140,900*	39.4	330.0		126,200*	225
230									24.9	297.2	12,700	136,100*	36.8	323.3		121,900*	230
235									20.6	284.6	9,900	131,400*	33.9	316.0		117,800*	235
240									15.1	268.1	6,900	126,600*	30.9	307.8		113,700*	240
245									4.9	236.4	2,900	121,300*	27.5	298.4		109,800*	245
250													23.7	287.5		105,900*	250
260													12.9	255.2		98,200*	260

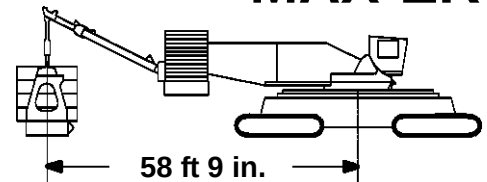
Capacities indicated by (b) require
37,000 lb minimum weight
suspended beneath luffing jib point.

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



220 ft Boom, 200 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
85	74.2	423.0	328,600	544,100*													85
90	72.7	421.4	302,800	521,100*													90
95	71.2	419.7	280,000	491,400*													95
100	69.7	417.8	259,800	464,500*													100
105	68.1	415.8	241,800	440,100*													105
110	66.5	413.6	225,500	417,900*													110
115	65.0	411.2	210,700	397,500*													115
120	63.4	408.7	197,300	378,800*	69.4	414.7	152,200	348,800*									120
125	61.7	406.0	185,100	361,500*	67.9	412.7	142,000	332,800*									125
130	60.1	403.1	173,800	345,500*	66.3	410.5	132,600	317,900*									130
135	58.4	400.0	163,500	330,700*	64.7	408.1	124,000	303,900*									135
140	56.7	396.7	153,900	316,900*	63.1	405.5	116,000	290,700*									140
145	54.9	393.2	145,000	303,800*	61.5	402.8	108,600	278,300*									145
150	53.1	389.5	136,700	291,400*	59.8	399.9	101,700	266,800*									150
155	51.3	385.4	129,000	279,700*	58.1	396.8	95,200	256,000*	64.3	403.1	61,700	232,400*					155
160	49.4	381.1	121,700	268,800*	56.4	393.4	89,200	245,900*	62.7	400.5	56,800	223,000*					160
165	47.5	376.6	114,900	258,500*	54.6	389.9	83,600	236,400*	61.1	397.8	52,300	214,300*					165
170	45.5	371.6	108,500	248,900*	52.8	386.1	78,200	227,400*	59.4	394.8	48,000	206,000*					170
175	43.4	366.4	102,500	239,700*	51.0	382.0	73,200	219,000*	57.7	391.6	44,000	198,200*					175
180	41.2	360.7	96,700	231,100*	49.1	377.7	68,400	211,000*	56.0	388.2	40,200	190,900*					180
185	38.9	354.5	91,300	222,800*	47.1	373.0	63,900	203,400*	54.2	384.6	36,500	183,900*					185
190	36.5	347.9	86,100	215,000*	45.1	368.1	59,700	196,200*	52.4	380.8	33,100	177,300*	58.9	387.8	6,800	158,600*	190
195	34.0	340.5	81,100	207,600*	43.0	362.7	55,600	189,400*	50.6	376.7	29,800	171,000*	57.2	384.6	4,300	152,800*	195
200	31.3	332.4	76,400	200,500*	40.8	357.0	51,700	182,800*	48.7	372.3	26,700	165,000*	55.4	381.1	1,900	147,300*	200
205	28.3	323.4	71,800	193,700*	38.6	350.7	47,900	176,600*	46.7	367.6	23,700	159,300*	53.7	377.4		142,100*	205
210	25.0	313.0	67,300	187,100*	36.1	344.0	44,300	170,700*	44.7	362.5	20,900	153,800*	51.8	373.5		137,100*	210
215	21.2	300.7	62,900	180,800*	33.6	336.5	40,900	164,900*	42.5	357.1	18,100	148,600*	50.0	369.3		132,300*	215
220	16.6	285.2	58,500	174,600*	30.8	328.3	37,500	159,400*	40.3	351.2	15,500	143,600*	48.0	364.8		127,800*	220
225	9.8	262.1	53,700	168,300*	27.8	319.0	34,200	154,200*	38.0	344.9	12,900	138,800*	46.0	360.0		123,400*	225
230					24.4	308.4	31,000	149,000*	35.6	338.0	10,400	134,200*	44.0	354.8		119,200*	230
235					20.5	295.7	27,700	144,000*	33.0	330.3	8,000	129,700*	41.8	349.2		115,200*	235
240					15.6	279.5	24,400	139,000*	30.1	321.9	5,600	125,400*	39.6	343.2		111,300*	240
245					8.1	253.5	20,500	133,800*	27.1	312.3	3,300	121,200*	37.3	336.7		107,500*	245
250									23.6	301.3	900	117,200*	34.8	329.6		103,900*	250
260									14.3	270.5		109,100*	29.2	313.0		96,900*	260
270													22.4	291.4		90,200*	270
280													12.2	257.2		83,500*	280

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

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

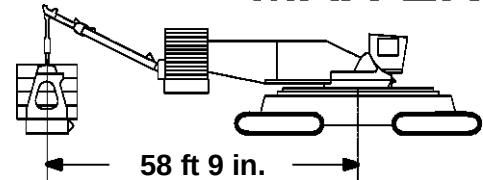
200,000 lb Carbody Counterweight

247,300 lb Hanging Counterweight

at 58 ft 9 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



220 ft Boom, 220 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds		
90	74.3	442.4	299,100	477,200*												90	
95	73.0	440.8	276,300	477,200*												95	
100	71.6	439.1	256,000	460,600*												100	
105	70.2	437.3	237,900	436,300*												105	
110	68.8	435.4	221,600	414,100*												110	
115	67.4	433.2	206,800	393,700*												115	
120	66.0	431.0	193,400	375,100*												120	
125	64.5	428.6	181,200	357,900*	70.0	434.3	136,800	328,400*								125	
130	63.1	426.0	169,900	341,900*	68.6	432.3	127,500	313,600*								130	
135	61.6	423.3	159,600	327,100*	67.2	430.2	118,900	299,700*								135	
140	60.1	420.4	150,000	313,400*	65.7	427.9	111,000	286,500*								140	
145	58.5	417.4	141,100	300,500*	64.3	425.5	103,600	274,200*								145	
150	57.0	414.1	132,900	288,100*	62.8	422.9	96,800	262,800*								150	
155	55.4	410.6	125,200	276,500*	61.3	420.1	90,400	252,000*								155	
160	53.8	407.0	118,000	265,600*	59.8	417.2	84,400	242,000*								160	
165	52.1	403.1	111,200	255,400*	58.3	414.1	78,800	232,500*	63.9	420.5	46,500	209,800*				165	
170	50.4	399.0	104,900	245,800*	56.7	410.8	73,500	223,600*	62.5	417.9	42,300	201,600*				170	
175	48.7	394.6	98,900	236,700*	55.1	407.3	68,600	215,200*	61.0	415.1	38,400	193,900*				175	
180	46.9	389.9	93,200	228,100*	53.5	403.6	63,900	207,300*	59.5	412.1	34,700	186,600*				180	
185	45.1	384.9	87,900	220,000*	51.9	399.7	59,500	199,800*	57.9	409.0	31,100	179,700*				185	
190	43.2	379.6	82,800	212,200*	50.2	395.5	55,200	192,600*	56.4	405.6	27,800	173,100*				190	
195	41.2	373.9	78,000	204,900*	48.4	391.1	51,300	185,900*	54.8	402.1	24,600	166,900*				195	
200	39.2	367.8	73,400	197,900*	46.6	386.4	47,400	179,400*	53.1	398.4	21,500	160,900*	59.0	405.1	142,700*	200	
205	37.0	361.2	68,900	191,200*	44.8	381.3	43,800	173,300*	51.5	394.4	18,600	155,300*	57.4	401.9	137,500*	205	
210	34.8	354.1	64,700	184,800*	42.9	376.0	40,300	167,400*	49.8	390.1	15,900	149,900*	55.9	398.5	132,600*	210	
215	32.3	346.3	60,600	178,700*	40.9	370.2	37,000	161,800*	48.0	385.6	13,200	144,800*	54.3	394.9	127,900*	215	
220	29.7	337.7	56,700	172,900*	38.8	364.0	33,800	156,400*	46.2	380.9	10,700	139,800*	52.6	391.1	123,400*	220	
225	26.9	328.1	52,900	167,200*	36.7	357.4	30,700	151,300*	44.4	375.8	8,200	135,100*	50.9	387.0	119,100*	225	
230	23.8	317.1	49,200	161,700*	34.4	350.1	27,700	146,300*	42.4	370.3	5,900	130,600*	49.2	382.7	115,000*	230	
235	20.2	304.2	45,400	156,400*	31.9	342.2	24,800	141,500*	40.4	364.5	3,600	126,300*	47.5	378.1	111,000*	235	
240	15.7	287.9	41,700	151,100*	29.3	333.5	22,000	136,900*	38.3	358.2	1,400	122,100*	45.6	373.2	107,200*	240	
245	9.3	263.6	37,600	145,800*	26.4	323.7	19,200	132,400*	36.1	351.4		118,000*	43.8	368.0	103,500*	245	
250					23.2	312.4	16,500	128,100*	33.8	344.0		114,100*	41.8	362.5	100,000*	250	
260					14.9	282.0	10,800	119,600*	28.7	327.0		106,700*	37.7	350.1	93,300*	260	
270									22.4	305.2		99,600*	33.1	335.5	87,000*	270	
280									13.6	272.8		92,600*	27.8	317.9	81,000*	280	
290													21.3	295.0	75,200*	290	
300													11.6	259.1	69,400*	300	

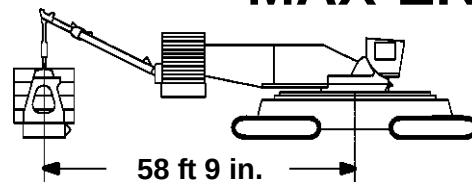
Capacities indicated by (b) require
37,000 lb minimum weight
suspended beneath luffing jib point.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Luffing Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

21000
MAX-ER



220 ft Boom, 240 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds		
95	74.4	461.7	272,900	421,100*												95	
100	73.2	460.2	252,600	421,100*												100	
105	71.9	458.5	234,400	421,100*												105	
110	70.7	456.8	218,000	410,700*												110	
115	69.4	454.9	203,200	390,400*												115	
120	68.1	452.9	189,800	371,700*												120	
125	66.8	450.7	177,500	354,500*												125	
130	65.5	448.4	166,200	338,600*												130	
135	64.1	446.0	155,900	323,800*	69.2	451.8	114,400	296,100*								135	
140	62.8	443.4	146,300	310,100*	67.9	449.8	106,500	282,900*								140	
145	61.4	440.6	137,400	297,300*	66.6	447.6	99,200	270,600*								145	
150	60.1	437.8	129,200	284,900*	65.3	445.3	92,300	259,200*								150	
155	58.7	434.7	121,500	273,400*	63.9	442.8	86,000	248,500*								155	
160	57.2	431.5	114,300	262,500*	62.6	440.2	80,000	238,500*								160	
165	55.8	428.1	107,600	252,300*	61.2	437.5	74,400	229,000*								165	
170	54.3	424.5	101,200	242,700*	59.8	434.5	69,200	220,200*	65.0	440.3	37,400	197,700*				170	
175	52.8	420.7	95,300	233,700*	58.4	431.5	64,300	211,800*	63.6	437.9	33,500	190,000*				175	
180	51.3	416.7	89,700	225,100*	57.0	428.2	59,600	203,900*	62.3	435.2	29,800	182,800*				180	
185	49.7	412.4	84,300	217,000*	55.6	424.8	55,200	196,400*	60.9	432.4	26,300	175,900*				185	
190	48.1	407.9	79,300	209,300*	54.1	421.1	51,100	189,300*	59.5	429.5	23,000	169,400*				190	
195	46.5	403.2	74,500	202,000*	52.6	417.3	47,100	182,600*	58.1	426.3	19,900	163,200*				195	
200	44.8	398.2	70,000	195,100*	51.0	413.2	43,400	176,200*	56.7	423.0	16,900	157,300*				200	
205	43.0	392.8	65,600	188,500*	49.5	409.0	39,800	170,100*	55.2	419.6	14,000	151,700*				205	
210	41.2	387.2	61,500	182,200*	47.9	404.5	36,400	164,200*	53.7	415.9	11,300	146,400*	59.1	422.5	128,700*	210	
215	39.4	381.1	57,500	176,100*	46.2	399.7	33,100	158,700*	52.2	412.0	8,700	141,300*	57.7	419.3	124,100*	215	
220	37.4	374.6	53,700	170,400*	44.5	394.6	30,000	153,400*	50.7	407.9	6,200	136,400*	56.2	415.9	119,600*	220	
225	35.4	367.6	50,100	164,800*	42.8	389.2	27,000	148,300*	49.1	403.6	3,800	131,700*	54.8	412.4	115,300*	225	
230	33.2	360.0	46,500	159,500*	40.9	383.5	24,100	143,400*	47.5	399.0	1,500	127,200*	53.3	408.6	111,300*	230	
235	30.9	351.8	43,100	154,400*	39.0	377.3	21,300	138,700*	45.8	394.1		122,900*	51.7	404.7	107,300*	235	
240	28.4	342.7	39,800	149,400*	37.1	370.7	18,600	134,200*	44.1	389.0		118,800*	50.2	400.5	103,600*	240	
245	25.7	332.6	36,600	144,700*	35.0	363.7	16,000	129,800*	42.3	383.5		114,800*	48.6	396.1	99,900*	245	
250	22.7	321.1	33,400	140,000*	32.8	356.0	13,500	125,600*	40.5	377.7		111,000*	47.0	391.5	96,500*	250	
260	15.0	290.4	27,000	131,000*	28.0	338.4	8,600	117,600*	36.6	364.8		103,800*	43.6	381.3	89,900*	260	
270					22.2	316.3	3,800	110,100*	32.3	349.8		97,000*	39.9	369.7	83,700*	270	
280					14.2	284.4		102,700*	27.4	331.8		90,500*	36.0	356.5	77,900*	280	
290									21.4	308.9		84,400*	31.6	341.1	72,500*	290	
300									13.0	275.0		78,300*	26.5	322.5	67,300*	300	
310													20.3	298.5	62,200*	310	
320													11.0	260.9	56,200*	320	

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

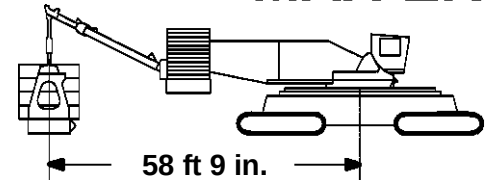
200,000 lb Carbody Counterweight

247,300 lb Hanging Counterweight

at 58 ft 9 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



220 ft Boom, 260 ft Luffing Jib

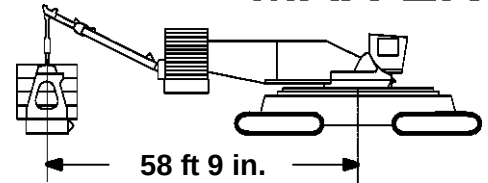
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
100	74.5	481.1	248,600	370,700*									100
105	73.4	479.6	230,400	370,700*									105
110	72.2	478.0	214,000	370,700*									110
115	71.0	476.2	199,200	370,700*									115
120	69.9	474.4	185,700	367,900*									120
125	68.7	472.4	173,400	350,700*									125
130	67.5	470.3	162,100	334,900*									130
135	66.3	468.1	151,700	320,100*									135
140	65.1	465.8	142,200	306,400*	69.7	471.4	101,300	278,700*					140
145	63.8	463.3	133,300	293,600*	68.5	469.4	94,000	266,400*					145
150	62.6	460.7	125,100	281,400*	67.3	467.2	87,200	255,000*					150
155	61.3	458.0	117,400	269,900*	66.1	465.0	80,900	244,400*					155
160	60.1	455.1	110,200	259,100*	64.9	462.7	75,000	234,400*					160
165	58.8	452.0	103,500	248,900*	63.6	460.2	69,400	225,000*					165
170	57.5	448.8	97,200	239,300*	62.4	457.5	64,200	216,200*					170
175	56.1	445.5	91,200	230,300*	61.1	454.8	59,300	207,800*					175
180	54.8	441.9	85,600	221,800*	59.8	451.9	54,700	200,000*	64.6	457.7	24,100	178,300*	180
185	53.4	438.2	80,300	213,700*	58.6	448.8	50,400	192,500*	63.3	455.2	20,700	171,500*	185
190	52.0	434.3	75,300	206,100*	57.2	445.6	46,300	185,500*	62.1	452.5	17,400	165,000*	190
195	50.6	430.2	70,600	198,800*	55.9	442.2	42,300	178,800*	60.8	449.7	14,300	158,900*	195
200	49.1	425.9	66,100	191,900*	54.6	438.6	38,600	172,400*	59.6	446.8	11,400	153,000*	200
205	47.6	421.3	61,800	185,300*	53.2	434.9	35,100	166,300*	58.3	443.7	8,600	147,500*	205
210	46.1	416.5	57,700	179,100*	51.8	430.9	31,700	160,600*	56.9	440.4	5,900	142,200*	210
215	44.5	411.4	53,800	173,100*	50.3	426.8	28,500	155,000*	55.6	437.0	3,400	137,100*	215
220	42.9	406.1	50,100	167,300*	48.9	422.4	25,400	149,800*	54.2	433.4	900	132,300*	220
225	41.3	400.4	46,500	161,900*	47.4	417.8	22,500	144,700*	52.9	429.6		127,600*	225
230	39.5	394.4	43,000	156,600*	45.9	413.0	19,700	139,900*	51.5	425.6		123,200*	230
235	37.7	387.9	39,700	151,600*	44.3	407.8	16,900	135,200*	50.0	421.4		119,000*	235
240	35.9	381.1	36,500	146,700*	42.7	402.4	14,300	130,800*	48.5	417.0		114,900*	240
245	33.9	373.7	33,400	142,000*	41.0	396.7	11,800	126,500*	47.0	412.3		111,000*	245
250	31.8	365.7	30,400	137,500*	39.2	390.6	9,400	122,400*	45.5	407.4		107,200*	250
260	27.3	347.5	24,700	129,000*	35.5	377.1	4,700	114,600*	42.3	396.8		100,100*	260
270	21.8	324.9	19,200	120,900*	31.5	361.6	300	107,300*	38.8	384.8		93,400*	270
280	14.4	292.9	13,600	113,000*	26.8	343.1		100,400*	35.1	371.1		87,200*	280
290					21.3	320.0		93,800*	31.0	355.3		81,300*	290
300					13.6	286.6		87,300*	26.3	336.4		75,700*	300
310									20.6	312.5		70,300*	310
320									12.4	277.0		64,900*	320

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



220 ft Boom, 280 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
105	74.6	500.5	228,500	325,400*									105
110	73.5	499.0	211,900	325,400*									110
115	72.4	497.4	196,900	325,400*									115
120	71.4	495.7	183,300	325,400*									120
125	70.3	493.9	170,800	325,400*									125
130	69.2	492.0	159,400	325,400*									130
135	68.1	489.9	149,000	317,000*									135
140	67.0	487.8	139,300	303,300*									140
145	65.8	485.5	130,400	290,500*									145
150	64.7	483.2	122,100	278,500*	69.0	488.9	83,400	251,600*					150
155	63.6	480.7	114,300	266,900*	67.9	486.9	77,100	241,000*					155
160	62.4	478.0	107,100	256,100*	66.8	484.7	71,100	231,000*					160
165	61.2	475.3	100,400	246,000*	65.6	482.4	65,600	221,700*					165
170	60.1	472.4	94,000	236,400*	64.5	480.0	60,400	212,900*					170
175	58.9	469.4	88,100	227,400*	63.4	477.5	55,500	204,600*					175
180	57.6	466.2	82,500	218,900*	62.2	474.9	50,900	196,700*					180
185	56.4	462.9	77,200	210,900*	61.0	472.1	46,500	189,300*					185
190	55.2	459.4	72,100	203,200*	59.9	469.2	42,400	182,300*	64.3	475.1	12,900	161,500*	190
195	53.9	455.7	67,400	196,000*	58.7	466.1	38,500	175,600*	63.1	472.5	9,800	155,400*	195
200	52.6	451.9	62,900	189,100*	57.4	462.9	34,800	169,300*	61.9	469.9	6,900	149,500*	200
205	51.3	447.9	58,600	182,600*	56.2	459.6	31,300	163,200*	60.8	467.0	4,100	144,000*	205
210	50.0	443.7	54,500	176,300*	55.0	456.0	27,900	157,500*	59.6	464.1	1,500	138,700*	210
215	48.6	439.3	50,600	170,400*	53.7	452.4	24,700	152,000*	58.4	461.0		133,700*	215
220	47.2	434.6	46,900	164,700*	52.4	448.5	21,700	146,700*	57.2	457.8		128,900*	220
225	45.8	429.8	43,400	159,200*	51.1	444.5	18,700	141,700*	55.9	454.4		124,300*	225
230	44.3	424.7	40,000	154,000*	49.7	440.2	15,900	136,900*	54.7	450.8		119,900*	230
235	42.8	419.3	36,700	149,000*	48.4	435.8	13,300	132,300*	53.4	447.1		115,700*	235
240	41.3	413.6	33,500	144,200*	47.0	431.1	10,700	127,900*	52.1	443.2		111,700*	240
245	39.7	407.6	30,500	139,600*	45.5	426.2	8,200	123,700*	50.8	439.1		107,800*	245
250	38.0	401.2	27,600	135,200*	44.1	421.1	5,800	119,600*	49.4	434.9		104,000*	250
260	34.5	387.3	22,100	126,700*	41.0	409.9	1,300	111,800*	46.7	425.6		97,000*	260
270	30.6	371.2	16,800	118,900*	37.7	397.4		104,700*	43.7	415.5		90,400*	270
280	26.2	352.2	11,900	111,500*	34.2	383.3		97,900*	40.6	404.2		84,300*	280
290	21.0	328.5	7,100	104,500*	30.3	367.0		91,600*	37.3	391.5		78,500*	290
300	13.8	295.2	2,200	97,600*	25.8	347.7		85,600*	33.8	377.2		73,100*	300
310					20.5	323.5		79,800*	29.8	360.6		68,000*	310
320					13.1	288.9		74,100*	25.3	340.9		63,100*	320
330									19.8	315.9		58,300*	330
340									12.0	279.0		53,000*	340

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

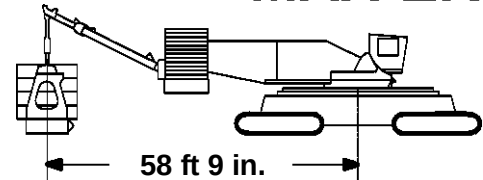
200,000 lb Carbody Counterweight

247,300 lb Hanging Counterweight

at 58 ft 9 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



220 ft Boom, 300 ft Luffing Jib

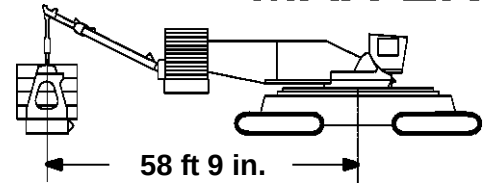
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
110	74.6	519.8	207,800	286,700*									110
115	73.6	518.4	192,700	286,700*									115
120	72.6	516.8	179,000	286,700*									120
125	71.6	515.1	166,600	286,700*									125
130	70.6	513.3	155,200	286,700*									130
135	69.6	511.5	144,700	286,700*									135
140	68.6	509.5	135,000	286,700*									140
145	67.5	507.4	126,100	286,700*									145
150	66.5	505.2	117,700	274,800*									150
155	65.5	503.0	110,000	263,300*	69.4	508.4	71,800	236,800*					155
160	64.4	500.5	102,800	252,500*	68.4	506.4	65,900	226,900*					160
165	63.3	498.0	96,000	242,400*	67.4	504.3	60,400	217,500*					165
170	62.2	495.4	89,700	232,900*	66.3	502.1	55,200	208,800*					170
175	61.2	492.6	83,800	223,900*	65.3	499.8	50,300	200,500*					175
180	60.1	489.7	78,200	215,400*	64.2	497.4	45,800	192,700*					180
185	58.9	486.7	72,900	207,400*	63.1	494.9	41,400	185,300*					185
190	57.8	483.5	67,900	199,800*	62.1	492.2	37,300	178,300*					190
195	56.7	480.2	63,100	192,500*	61.0	489.4	33,500	171,600*	65.0	494.9	4,100	150,900*	195
200	55.5	476.8	58,600	185,700*	59.9	486.5	29,800	165,300*	64.0	492.4	1,200	145,100*	200
205	54.3	473.2	54,400	179,200*	58.7	483.5	26,300	159,300*	62.9	489.9		139,600*	205
210	53.1	469.5	50,300	172,900*	57.6	480.3	23,000	153,600*	61.8	487.2		134,400*	210
215	51.9	465.5	46,400	167,000*	56.5	477.0	19,800	148,100*	60.7	484.4		129,400*	215
220	50.7	461.4	42,700	161,300*	55.3	473.5	16,800	142,900*	59.6	481.4		124,600*	220
225	49.4	457.1	39,200	155,900*	54.1	469.9	13,900	137,900*	58.5	478.4		120,100*	225
230	48.1	452.7	35,800	150,700*	52.9	466.1	11,100	133,200*	57.4	475.1		115,700*	230
235	46.8	448.0	32,600	145,700*	51.7	462.1	8,500	128,600*	56.2	471.8		111,500*	235
240	45.5	443.1	29,500	141,000*	50.5	458.0	5,900	124,200*	55.0	468.3		107,500*	240
245	44.1	437.9	26,500	136,400*	49.2	453.7	3,500	120,000*	53.9	464.6		103,700*	245
250	42.7	432.5	23,600	132,000*	47.9	449.2	1,100	115,900*	52.7	460.8		100,000*	250
260	39.8	420.9	18,200	123,600*	45.3	439.5		108,300*	50.2	452.6		93,000*	260
270	36.7	407.9	13,100	115,900*	42.5	428.9		101,100*	47.6	443.7		86,500*	270
280	33.3	393.2	8,300	108,600*	39.5	417.1		94,500*	45.0	434.0		80,400*	280
290	29.5	376.4	3,800	99,400*	36.4	404.0		88,300*	42.2	423.2		74,700*	290
300	25.3	356.6		90,400*	33.0	389.2		82,400*	39.2	411.3		69,400*	300
310	20.2	332.0		82,300*	29.2	372.2		76,900*	36.0	398.0		64,400*	310
320	13.4	297.5		75,500*	24.9	352.1		71,600*	32.6	383.0		59,600*	320
330					19.7	326.9		66,500*	28.7	365.7		54,400*	330
340					12.6	291.0		61,500*					340

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



240 ft Boom, 120 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
65				c													65
70				c													70
75				c													75
80				c													80
85	63.8	357.6	333,800	562,900*b													85
90	61.1	354.8	308,600	529,600*b													90
95	58.3	351.7	286,200	499,700*b													95
100	55.4	348.2	266,200	472,600*b				c									100
105	52.4	344.4	248,200	448,000*b	64.3	355.1	196,900	414,100*b									105
110	49.2	340.0	232,000	425,500*	61.6	352.4	183,500	393,400*b									110
115	45.9	335.2	217,100	404,900*	58.8	349.3	171,300	374,300*b									115
120	42.4	329.8	203,500	385,900*	55.9	345.9	160,200	356,800*b									120
125	38.6	323.5	190,900	368,200*	52.9	342.1	149,900	340,600*b	64.6	350.6	108,000	311,700*b					125
130	34.4	316.4	179,200	351,800*	49.8	337.9	140,400	325,500*	61.9	347.9	100,500	297,400*b					130
135	29.7	307.9	168,200	336,400*	46.5	333.2	131,600	310,900*	59.1	344.9	93,600	284,200*b					135
140	24.1	297.3	157,600	321,700*	43.0	327.8	123,400	297,400*	56.2	341.6	87,100	271,800*b					140
145	16.7	282.6	147,100	307,300*	39.3	321.8	115,600	284,800*	53.3	337.8	81,100	260,300*b					145
150					35.2	314.8	108,300	272,900*	50.2	333.6	75,400	249,500*					150
155					30.6	306.6	101,200	261,600*	46.9	329.0	70,000	239,400*	59.2	338.4	37,900	216,600*b	155
160					25.2	296.5	94,300	250,800*	43.4	323.7	64,900	229,800*	56.3	335.1	34,100	207,900*b	160
165					18.2	282.8	87,400	240,400*	39.7	317.7	60,000	220,800*	53.3	331.3	30,600	199,800*b	165
170					2.9	251.2	78,300	228,800*	35.7	310.9	55,300	212,200*	50.2	327.2	27,100	192,000*	170
175									31.1	302.8	50,700	204,000*	46.9	322.5	23,900	184,700*	175
180									25.9	293.0	46,200	196,000*	43.5	317.2	20,700	177,800*	180
185									19.2	279.9	41,400	188,300*	39.8	311.3	17,600	171,100*	185
190									7.3	255.6	35,500	179,900*	35.7	304.5	14,600	164,700*	190
195													31.2	296.4	11,600	158,600*	195
200													25.9	286.6	8,500	152,600*	200
205													19.3	273.6	5,200	146,600*	205
210													7.7	249.8	800	140,000*	210

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

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

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

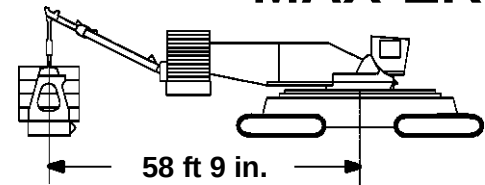
200,000 lb Carbody Counterweight

247,300 lb Hanging Counterweight

at 58 ft 9 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



240 ft Boom, 140 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
70				c													70
75				c													75
80				c													80
85	67.8	379.8	332,200	559,600*b													85
90	65.6	377.5	306,900	526,500*b													90
95	63.3	374.9	284,500	496,700*b													95
100	60.9	372.1	264,500	469,800*b													100
105	58.5	369.0	246,600	445,400*b	68.2	377.2	192,800	410,000*b									105
110	56.1	365.7	230,500	423,100*	66.0	374.9	179,500	389,400*b									110
115	53.5	362.0	215,800	402,600*	63.7	372.4	167,500	370,500*b									115
120	50.9	357.9	202,400	383,800*	61.4	369.7	156,500	353,100*b									120
125	48.1	353.4	190,000	366,400*	59.0	366.7	146,400	337,100*b									125
130	45.3	348.5	178,700	350,300*	56.5	363.3	137,100	322,200*									130
135	42.2	343.0	168,100	335,300*	54.0	359.7	128,500	308,000*	64.0	368.0	88,500	279,900*b					135
140	39.0	336.9	158,300	321,200*	51.4	355.7	120,500	294,700*	61.6	365.2	82,200	267,700*b					140
145	35.5	329.9	149,100	307,700*	48.6	351.3	113,100	282,200*	59.3	362.2	76,300	256,300*b					145
150	31.7	322.0	140,400	294,900*	45.8	346.4	106,100	270,600*	56.8	359.0	70,900	245,700*					150
155	27.3	312.6	132,100	282,900*	42.8	341.1	99,500	259,700*	54.3	355.4	65,700	235,800*					155
160	22.2	301.1	124,000	271,300*	39.6	335.1	93,300	249,400*	51.7	351.4	60,900	226,400*					160
165	15.3	285.1	115,900	260,200*	36.2	328.3	87,300	239,700*	49.0	347.0	56,300	217,600*	59.3	355.8	25,000	195,400*b	165
170					32.4	320.6	81,700	230,500*	46.1	342.2	52,000	209,300*	56.8	352.5	21,800	187,800*	170
175					28.2	311.5	76,100	221,700*	43.1	336.9	47,800	201,400*	54.3	348.9	18,700	180,700*	175
180					23.2	300.5	70,700	213,200*	40.0	331.0	43,800	193,900*	51.7	344.9	15,800	173,900*	180
185					16.8	285.6	65,200	204,900*	36.6	324.4	40,000	186,800*	49.0	340.6	13,100	167,500*	185
190					2.5	251.2	57,600	195,400*	32.8	316.7	36,200	179,900*	46.2	335.8	10,400	161,400*	190
195									28.7	307.9	32,600	173,300*	43.2	330.5	7,800	155,500*	195
200									23.8	297.1	28,900	166,900*	40.0	324.6	5,300	149,900*	200
205									17.6	282.8	25,000	160,600*	36.6	317.9	2,800	144,500*	205
210									6.6	256.5	20,000	153,600*	32.9	310.3	300	139,400*	210
215													28.7	301.5		134,300*	215
220													23.9	290.7		129,400*	220
225													17.7	276.5		124,400*	225
230													7.0	250.8		118,900*	230

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

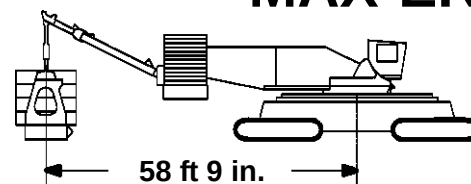
Do not luff into area indicated by
(c) with 37,000 lb minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



240 ft Boom, 160 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
75				c													75
80				c													80
85	70.7	401.3	330,400	557,000*b													85
90	68.8	399.4	305,000	524,000*b													90
95	66.9	397.2	282,600	494,300*b													95
100	64.9	394.8	262,700	467,500*b													100
105	62.9	392.2	244,900	443,100*b													105
110	60.8	389.4	228,800	420,900*	69.2	396.8	176,200	386,300*b									110
115	58.7	386.4	214,200	400,600*	67.2	394.6	164,300	367,500*b									115
120	56.6	383.1	200,800	381,900*	65.3	392.3	153,400	350,200*b									120
125	54.4	379.5	188,700	364,600*	63.2	389.8	143,400	334,300*b									125
130	52.1	375.6	177,400	348,600*	61.2	387.0	134,200	319,500*									130
135	49.8	371.3	167,100	333,800*	59.1	384.0	125,700	305,500*									135
140	47.3	366.7	157,500	319,900*	57.0	380.7	117,900	292,300*									140
145	44.8	361.7	148,500	306,700*	54.8	377.2	110,600	280,000*	63.5	385.3	72,500	253,200*b					145
150	42.1	356.2	140,100	294,200*	52.5	373.3	103,800	268,500*	61.4	382.6	67,200	242,700*					150
155	39.3	350.1	132,200	282,400*	50.2	369.2	97,400	257,800*	59.3	379.6	62,200	232,900*					155
160	36.3	343.4	124,800	271,400*	47.8	364.6	91,400	247,600*	57.2	376.4	57,500	223,700*					160
165	33.1	335.9	117,800	260,900*	45.2	359.7	85,700	238,100*	55.0	372.8	53,100	215,000*					165
170	29.5	327.2	111,000	251,000*	42.6	354.3	80,300	229,100*	52.8	369.0	48,900	206,800*					170
175	25.4	317.1	104,600	241,500*	39.8	348.3	75,200	220,600*	50.5	364.9	44,900	199,000*	59.4	373.1	14,700	177,500*	175
180	20.6	304.6	98,200	232,400*	36.9	341.7	70,300	212,500*	48.0	360.4	41,200	191,700*	57.2	369.9	11,900	170,800*	180
185	14.2	287.4	91,700	223,500*	33.7	334.3	65,700	204,800*	45.5	355.5	37,600	184,700*	55.1	366.4	9,300	164,500*	185
190					30.2	325.9	61,100	197,400*	42.9	350.1	34,200	178,100*	52.8	362.5	6,800	158,500*	190
195					26.2	316.1	56,700	190,400*	40.2	344.3	30,800	171,800*	50.5	358.4	4,400	152,800*	195
200					21.6	304.1	52,300	183,500*	37.2	337.7	27,700	165,700*	48.1	353.9	2,100	147,400*	200
205					15.6	288.2	47,800	176,700*	34.0	330.5	24,500	159,900*	45.6	349.0		142,200*	205
210					2.1	251.1	41,500	168,900*	30.6	322.2	21,500	154,300*	43.0	343.7		137,200*	210
215									26.7	312.5	18,500	148,900*	40.2	337.8		132,400*	215
220									22.2	300.9	15,400	143,600*	37.3	331.3		127,800*	220
225									16.4	285.6	12,200	138,400*	34.1	324.0		123,400*	225
230									6.1	257.4	8,000	132,500*	30.6	315.7		119,100*	230
235													26.8	306.1		114,900*	235
240													22.2	294.5		110,700*	240
245													16.5	279.3		106,500*	245
250													6.4	251.6		101,800*	250

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

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

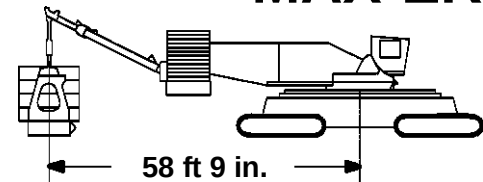
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



240 ft Boom, 180 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
80				^c													80
85	73.0	422.5	328,300	553,100* ^b													85
90	71.3	420.8	302,700	520,100* ^b													90
95	69.6	418.9	280,100	490,500* ^b													95
100	67.9	416.8	260,100	463,800* ^b													100
105	66.1	414.6	242,100	439,500* ^b													105
110	64.4	412.2	225,900	417,400*													110
115	62.6	409.6	211,300	397,100*	69.9	416.3	159,600	363,000* ^b									115
120	60.7	406.7	198,000	378,500*	68.2	414.3	148,700	345,800* ^b									120
125	58.9	403.7	185,800	361,300*	66.4	412.1	138,800	330,000* ^b									125
130	57.0	400.5	174,600	345,400*	64.7	409.7	129,700	315,300*									130
135	55.0	396.9	164,200	330,600*	62.9	407.1	121,300	301,500*									135
140	53.0	393.2	154,700	316,900*	61.1	404.3	113,500	288,400*									140
145	51.0	389.1	145,800	303,900*	59.2	401.3	106,200	276,200*									145
150	48.9	384.7	137,500	291,500*	57.3	398.1	99,500	264,800*	64.9	405.2	61,500	238,100*					150
155	46.7	380.0	129,800	279,900*	55.4	394.6	93,200	254,100*	63.1	402.6	56,600	228,400*					155
160	44.4	375.0	122,500	268,900*	53.4	390.9	87,300	244,100*	61.3	399.9	52,000	219,200*					160
165	42.0	369.4	115,600	258,700*	51.4	386.9	81,700	234,700*	59.4	396.9	47,700	210,600*					165
170	39.5	363.4	109,200	248,900*	49.3	382.6	76,500	225,800*	57.5	393.7	43,700	202,500*					170
175	36.9	356.8	103,000	239,800*	47.1	378.0	71,500	217,400*	55.6	390.3	39,800	194,900*					175
180	34.1	349.5	97,200	231,000*	44.8	372.9	66,800	209,500*	53.6	386.6	36,200	187,700*					180
185	31.1	341.4	91,600	222,700*	42.5	367.5	62,400	201,900*	51.6	382.6	32,700	180,800*	59.4	390.4	3,200	159,800*	185
190	27.7	332.1	86,200	214,800*	40.0	361.6	58,100	194,700*	49.5	378.3	29,400	174,300*	57.6	387.2	800	153,900*	190
195	23.9	321.2	81,000	207,200*	37.4	355.1	54,000	187,900*	47.3	373.7	26,300	168,100*	55.6	383.8		148,300*	195
200	19.4	307.9	75,800	199,800*	34.6	347.9	50,100	181,400*	45.1	368.8	23,300	162,200*	53.7	380.1		143,000*	200
205	13.3	289.6	70,400	192,500*	31.6	340.0	46,300	175,100*	42.7	363.4	20,400	156,600*	51.6	376.1		137,900*	205
210					28.3	330.9	42,600	169,100*	40.3	357.5	17,600	151,200*	49.5	371.9		133,000*	210
215					24.6	320.4	38,900	163,300*	37.7	351.1	14,900	146,000*	47.4	367.3		128,400*	215
220					20.3	307.6	35,300	157,600*	35.0	344.0	12,300	141,000*	45.1	362.3		123,900*	220
225					14.6	290.6	31,500	151,900*	32.0	336.1	9,700	136,200*	42.8	356.9		119,600*	225
230					1.9	251.0	26,000	145,300*	28.7	327.2	7,200	131,600*	40.3	351.1		115,500*	230
235									25.1	316.9	4,600	127,000*	37.7	344.6		111,500*	235
240									20.8	304.5	2,100	122,600*	35.0	337.6		107,700*	240
245									15.4	288.1		118,100*	32.0	329.7		104,000*	245
250									5.7	258.1		113,100*	28.8	320.8		100,300*	250
260													20.9	298.1		93,200*	260
270													6.0	252.5		85,600*	270

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

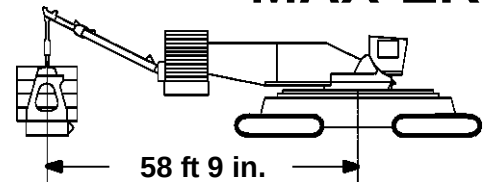
Do not luff into area indicated by
(c) with 37,000 lb minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



240 ft Boom, 200 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds		
85	74.7	443.4	325,700	496,400*b												85	
90	73.2	441.9	300,000	496,400*b												90	
95	71.7	440.2	277,400	487,500*b												95	
100	70.2	438.4	257,300	460,800*b												100	
105	68.7	436.4	239,300	436,600*												105	
110	67.1	434.3	223,100	414,500*												110	
115	65.5	432.0	208,500	394,300*												115	
120	63.9	429.5	195,200	375,700*												120	
125	62.3	426.9	183,000	358,600*	68.9	433.8	134,900	326,600*								125	
130	60.7	424.1	171,800	342,700*	67.4	431.7	125,800	312,000*								130	
135	59.0	421.0	161,500	328,000*	65.8	429.5	117,500	298,300*								135	
140	57.3	417.8	152,000	314,300*	64.2	427.0	109,700	285,300*								140	
145	55.5	414.4	143,200	301,500*	62.6	424.4	102,600	273,100*								145	
150	53.8	410.7	135,000	289,200*	61.0	421.6	95,900	261,800*								150	
155	51.9	406.8	127,300	277,600*	59.3	418.6	89,700	251,200*								155	
160	50.1	402.6	120,100	266,800*	57.6	415.5	83,800	241,200*	64.4	422.6	47,700	215,800*				160	
165	48.2	398.1	113,400	256,600*	55.9	412.1	78,400	231,900*	62.8	420.0	43,400	207,300*				165	
170	46.2	393.3	107,000	247,000*	54.1	408.4	73,200	223,100*	61.1	417.2	39,500	199,200*				170	
175	44.1	388.2	101,000	237,900*	52.3	404.6	68,300	214,800*	59.5	414.2	35,700	191,600*				175	
180	42.0	382.6	95,300	229,300*	50.4	400.4	63,700	206,900*	57.8	411.1	32,200	184,500*				180	
185	39.7	376.7	89,900	221,100*	48.5	396.0	59,400	199,400*	56.1	407.7	28,800	177,700*				185	
190	37.4	370.2	84,800	213,400*	46.5	391.3	55,200	192,400*	54.3	404.1	25,600	171,300*				190	
195	34.9	363.1	79,900	206,000*	44.5	386.2	51,300	185,600*	52.5	400.2	22,500	165,100*	59.5	407.7	144,800*	195	
200	32.3	355.3	75,200	199,000*	42.4	380.7	47,500	179,200*	50.6	396.1	19,600	159,300*	57.8	404.6	139,600*	200	
205	29.4	346.6	70,600	192,200*	40.2	374.8	43,900	173,100*	48.7	391.7	16,900	153,800*	56.1	401.2	134,600*	205	
210	26.2	336.7	66,200	185,700*	37.8	368.4	40,400	167,200*	46.8	387.0	14,200	148,400*	54.3	397.6	129,800*	210	
215	22.6	325.2	61,900	179,400*	35.4	361.5	37,100	161,600*	44.7	382.0	11,600	143,400*	52.5	393.8	125,200*	215	
220	18.3	311.0	57,600	173,300*	32.7	353.8	33,900	156,200*	42.6	376.6	9,200	138,500*	50.7	389.7	120,800*	220	
225	12.6	291.7	53,100	167,200*	29.9	345.3	30,700	151,100*	40.4	370.7	6,800	133,800*	48.8	385.3	116,600*	225	
230					26.8	335.6	27,600	146,000*	38.1	364.4	4,500	129,400*	46.8	380.6	112,600*	230	
235					23.3	324.4	24,600	141,200*	35.7	357.5	2,200	125,000*	44.8	375.5	108,700*	235	
240					19.2	310.9	21,500	136,400*	33.1	349.9		120,900*	42.6	370.1	105,000*	240	
245					13.8	292.9	18,200	131,600*	30.3	341.5		116,800*	40.4	364.3	101,400*	245	
250					1.7	250.9	13,500	125,900*	27.2	332.0		112,900*	38.1	358.0	97,900*	250	
260									19.7	307.8		105,300*	33.1	343.5	91,200*	260	
270									5.3	258.9		97,100*	27.2	325.6	85,000*	270	
280													19.7	301.5	78,800*	280	
290													5.6	253.3	72,100*	290	

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

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

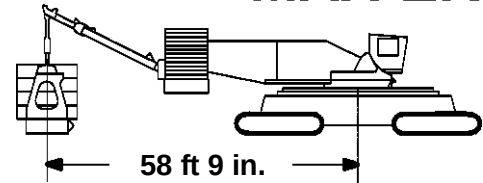
200,000 lb Carbody Counterweight

247,300 lb Hanging Counterweight

at 58 ft 9 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



240 ft Boom, 220 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds		
90	74.8	462.8	296,200	438,100*b												90	
95	73.4	461.3	273,500	438,100*b												95	
100	72.1	459.6	253,300	438,100*b												100	
105	70.7	457.9	235,300	432,700*												105	
110	69.3	456.0	219,100	410,700*												110	
115	67.9	453.9	204,500	390,500*												115	
120	66.5	451.7	191,100	372,000*												120	
125	65.0	449.4	179,000	354,900*												125	
130	63.6	446.9	167,800	339,100*	69.5	453.4	120,500	307,500*								130	
135	62.1	444.2	157,500	324,400*	68.1	451.4	112,200	294,000*								135	
140	60.6	441.4	148,000	310,700*	66.7	449.2	104,500	281,000*								140	
145	59.1	438.4	139,200	298,000*	65.3	446.9	97,400	268,900*								145	
150	57.5	435.2	131,100	285,800*	63.8	444.4	90,800	257,700*								150	
155	56.0	431.8	123,400	274,300*	62.4	441.8	84,600	247,100*								155	
160	54.4	428.2	116,300	263,500*	60.9	439.0	78,800	237,200*								160	
165	52.7	424.4	109,600	253,400*	59.4	436.0	73,400	227,900*								165	
170	51.0	420.3	103,300	243,800*	57.8	432.8	68,300	219,100*	64.0	439.9	33,600	194,600*				170	
175	49.3	416.0	97,300	234,800*	56.2	429.5	63,500	210,900*	62.5	437.3	29,900	187,100*				175	
180	47.6	411.5	91,700	226,200*	54.6	425.9	59,000	203,100*	61.0	434.5	26,400	180,000*				180	
185	45.7	406.6	86,400	218,200*	53.0	422.1	54,700	195,700*	59.5	431.6	23,100	173,300*				185	
190	43.9	401.4	81,400	210,500*	51.3	418.1	50,700	188,700*	58.0	428.4	20,000	166,900*				190	
195	41.9	395.9	76,600	203,200*	49.6	413.9	46,800	182,000*	56.4	425.1	17,000	160,800*				195	
200	39.9	389.9	72,000	196,300*	47.9	409.4	43,100	175,700*	54.8	421.6	14,200	155,100*				200	
205	37.8	383.5	67,700	189,600*	46.1	404.6	39,600	169,600*	53.2	417.8	11,500	149,600*	59.5	425.1	129,800*	205	
210	35.6	376.6	63,500	183,300*	44.2	399.4	36,200	163,900*	51.5	413.8	8,900	144,400*	58.0	421.9	125,100*	210	
215	33.2	369.0	59,400	177,200*	42.3	394.0	33,000	158,300*	49.8	409.6	6,500	139,400*	56.4	418.6	120,600*	215	
220	30.7	360.7	55,600	171,400*	40.3	388.1	29,900	153,100*	48.1	405.1	4,100	134,600*	54.9	415.1	116,200*	220	
225	27.9	351.5	51,800	165,800*	38.2	381.8	26,900	148,000*	46.3	400.4	1,800	130,000*	53.2	411.3	112,100*	225	
230	24.9	341.0	48,100	160,400*	36.0	374.9	24,100	143,100*	44.4	395.3		125,600*	51.6	407.4	108,200*	230	
235	21.5	328.9	44,500	155,100*	33.6	367.5	21,300	138,400*	42.5	389.8		121,400*	49.9	403.1	104,300*	235	
240	17.4	314.0	40,800	150,000*	31.1	359.3	18,600	133,900*	40.5	384.0		117,300*	48.1	398.6	100,700*	240	
245	12.0	293.7	37,000	144,800*	28.5	350.3	15,900	129,500*	38.4	377.7		113,400*	46.3	393.9	97,200*	245	
250					25.5	340.1	13,300	125,300*	36.2	371.0		109,600*	44.5	388.8	93,800*	250	
260					18.2	314.0	8,000	117,000*	31.4	355.5		102,400*	40.5	377.5	87,400*	260	
270					1.5	250.8	1,000	107,900*	25.8	336.5		95,600*	36.3	364.5	81,300*	270	
280									18.7	311.0		89,000*	31.5	349.1	75,600*	280	
290									5.0	259.6		81,900*	25.9	330.2	70,200*	290	
300													18.8	304.7	64,900*	300	
310													5.3	254.0	58,400*	310	

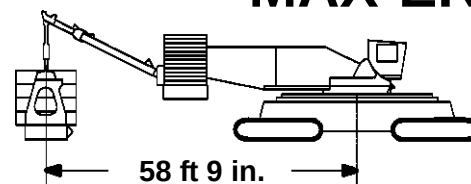
Capacities indicated by (b) require
37,000 lb minimum weight
suspended beneath luffing jib point.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
247,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

21000
MAX-ER



240 ft Boom, 240 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
95	74.9	482.2	270,000	388,600*									95
100	73.6	480.7	249,800	388,600*									100
105	72.4	479.1	231,700	388,600*									105
110	71.1	477.3	215,500	388,600*									110
115	69.8	475.5	200,800	387,100*									115
120	68.5	473.5	187,400	368,500*									120
125	67.2	471.4	175,200	351,500*									125
130	65.9	469.1	164,000	335,700*									130
135	64.6	466.8	153,800	321,000*									135
140	63.3	464.2	144,300	307,400*	68.8	470.9	99,900	277,300*					140
145	61.9	461.5	135,500	294,700*	67.5	468.8	92,800	265,300*					145
150	60.5	458.7	127,300	282,600*	66.2	466.6	86,200	254,000*					150
155	59.2	455.7	119,600	271,200*	64.9	464.2	80,100	243,500*					155
160	57.7	452.5	112,500	260,400*	63.5	461.7	74,300	233,600*					160
165	56.3	449.2	105,800	250,200*	62.2	459.1	69,000	224,300*					165
170	54.8	445.7	99,600	240,700*	60.8	456.3	63,900	215,600*					170
175	53.4	441.9	93,700	231,700*	59.4	453.3	59,100	207,400*	65.0	459.7	24,900	183,200*	175
180	51.8	438.0	88,100	223,200*	58.0	450.2	54,600	199,600*	63.7	457.3	21,400	176,100*	180
185	50.3	433.9	82,800	215,200*	56.6	446.9	50,400	192,200*	62.3	454.6	18,200	169,400*	185
190	48.7	429.5	77,800	207,600*	55.1	443.4	46,400	185,300*	61.0	451.8	15,100	163,100*	190
195	47.1	424.8	73,100	200,300*	53.6	439.7	42,500	178,600*	59.6	448.9	12,200	157,100*	195
200	45.4	419.9	68,600	193,400*	52.1	435.8	38,900	172,300*	58.2	445.8	9,400	151,300*	200
205	43.7	414.7	64,300	186,900*	50.6	431.7	35,500	166,300*	56.7	442.5	6,800	145,900*	205
210	41.9	409.1	60,200	180,600*	49.0	427.3	32,200	160,600*	55.3	439.0	4,200	140,700*	210
215	40.0	403.2	56,200	174,600*	47.4	422.7	29,000	155,200*	53.8	435.3	1,800	135,700*	215
220	38.1	396.8	52,500	168,900*	45.7	417.8	26,000	149,900*	52.3	431.5		131,000*	220
225	36.1	390.0	48,900	163,400*	44.0	412.7	23,100	144,900*	50.7	427.4		126,500*	225
230	34.0	382.7	45,400	158,100*	42.2	407.2	20,300	140,100*	49.2	423.0		122,100*	230
235	31.7	374.7	42,000	153,000*	40.4	401.3	17,600	135,500*	47.6	418.5		117,900*	235
240	29.3	365.9	38,700	148,100*	38.5	395.1	15,000	131,100*	45.9	413.6		113,900*	240
245	26.7	356.2	35,500	143,400*	36.5	388.3	12,500	126,800*	44.2	408.5		110,100*	245
250	23.8	345.2	32,400	138,800*	34.4	381.1	10,100	122,700*	42.4	403.0		106,300*	250
260	16.6	316.9	26,200	129,900*	29.8	364.6	5,400	114,800*	38.7	391.0		99,300*	260
270					24.4	344.4	800	107,400*	34.6	377.2		92,700*	270
280					17.4	317.0		100,300*	30.0	360.9		86,500*	280
290					1.3	250.7		92,300*	24.7	340.9		80,600*	290
300									17.9	314.1		74,800*	300
310									4.8	260.3		68,600*	310
320													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

458,700 lb Crane Counterweight

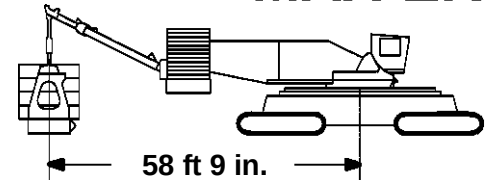
200,000 lb Carbody Counterweight

247,300 lb Hanging Counterweight

at 58 ft 9 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



240 ft Boom, 260 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle					80 Degree Boom Angle					75 Degree Boom Angle					Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds		Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds		Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds		
100	74.9	501.5	247,500	342,700*												100
105	73.8	500.1	229,100	342,700*												105
110	72.6	498.5	212,700	342,700*												110
115	71.4	496.8	197,800	342,700*												115
120	70.3	495.0	184,300	342,700*												120
125	69.1	493.0	172,000	342,200*												125
130	67.9	491.0	160,700	331,900*												130
135	66.7	488.8	150,300	317,300*												135
140	65.5	486.5	140,700	303,600*												140
145	64.3	484.1	131,800	291,000*	69.3	490.5	87,900	260,900*								145
150	63.0	481.6	123,600	279,100*	68.1	488.4	81,300	249,700*								150
155	61.8	478.9	115,900	267,600*	66.9	486.3	75,200	239,300*								155
160	60.5	476.0	108,800	256,900*	65.7	484.0	69,400	229,400*								160
165	59.2	473.0	102,100	246,800*	64.5	481.6	64,100	220,200*								165
170	57.9	469.9	95,800	237,300*	63.2	479.1	59,000	211,500*								170
175	56.6	466.6	89,900	228,300*	62.0	476.4	54,300	203,300*								175
180	55.3	463.1	84,300	219,800*	60.7	473.6	49,800	195,600*								180
185	53.9	459.5	79,000	211,800*	59.5	470.6	45,600	188,300*	64.6	477.1	12,400	164,900*				185
190	52.5	455.6	74,000	204,200*	58.2	467.5	41,600	181,300*	63.4	474.6	9,300	158,600*				190
195	51.1	451.6	69,300	197,000*	56.8	464.2	37,800	174,700*	62.1	472.0	6,400	152,600*				195
200	49.6	447.3	64,800	190,200*	55.5	460.8	34,200	168,500*	60.9	469.1	3,700	146,900*				200
205	48.2	442.9	60,500	183,600*	54.1	457.2	30,700	162,500*	59.6	466.2	1,100	141,500*				205
210	46.6	438.1	56,500	177,400*	52.8	453.4	27,500	156,800*	58.3	463.1		136,400*				210
215	45.1	433.1	52,600	171,500*	51.3	449.4	24,400	151,400*	57.0	459.9		131,500*				215
220	43.5	427.9	48,900	165,800*	49.9	445.1	21,400	146,200*	55.7	456.4		126,800*				220
225	41.8	422.3	45,300	160,300*	48.4	440.7	18,500	141,300*	54.3	452.8		122,300*				225
230	40.1	416.4	41,900	155,100*	46.9	436.0	15,800	136,500*	52.9	449.0		118,000*				230
235	38.4	410.1	38,600	150,100*	45.4	431.1	13,100	132,000*	51.5	445.1		113,800*				235
240	36.5	403.4	35,400	145,300*	43.8	425.9	10,600	127,600*	50.1	440.9		109,900*				240
245	34.6	396.2	32,400	140,700*	42.1	420.4	8,200	123,400*	48.6	436.5		106,100*				245
250	32.6	388.5	29,400	136,200*	40.5	414.6	5,800	119,300*	47.1	431.8		102,400*				250
260	28.1	370.9	23,700	127,700*	36.9	401.7	1,300	111,600*	44.0	421.7		95,500*				260
270	22.8	349.2	18,300	119,700*	32.9	387.0		104,500*	40.6	410.5		89,000*				270
280	15.9	319.6	12,800	112,000*	28.5	369.7		97,700*	37.1	397.7		82,900*				280
290					23.4	348.4		91,300*	33.2	383.1		77,300*				290
300					16.7	319.9		85,100*	28.8	366.0		71,900*				300
310					1.2	250.5		78,000*	23.7	345.0		66,700*				310
320									17.1	317.0		61,600*				320
330									4.5	260.9		55,700*				330