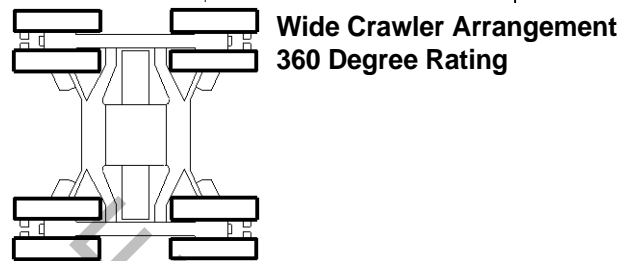
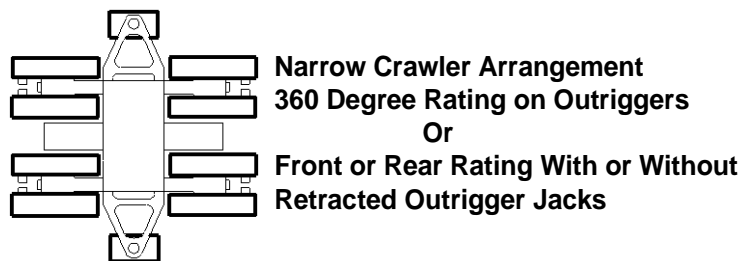
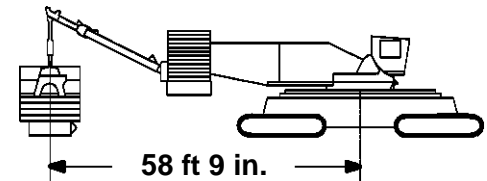


Liftcrane Luffing Jib Capacities

**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
599,300 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.

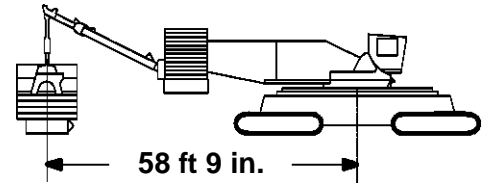
Wide Crawler Arrangement: Wide crawler arrangement (47 ft 6 in.) travel allowed with 360 degree rating.

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
599,300 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.

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 599,300 lb hanging counterweight.

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

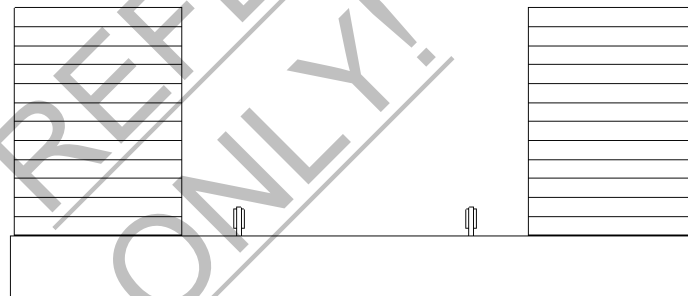
Warning: Narrow crawler arrangement requires set outrigger jacks to swing beyond front or rear operating range.

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

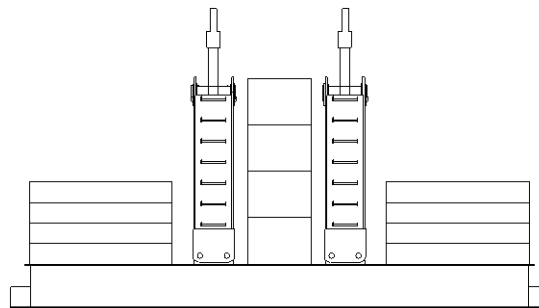
MACHINE EQUIPMENT: Machine equipped with MAX-ER, lowerworks carbody beams, outriggers, eight 16 ft 4 in. crawlers, 48 in. treads, 140 ft mast, 28 ft retractable gantry, 20 part boom hoist reeving, boom

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

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



458,700 lb Crane Counterweight
24 Side Boxes



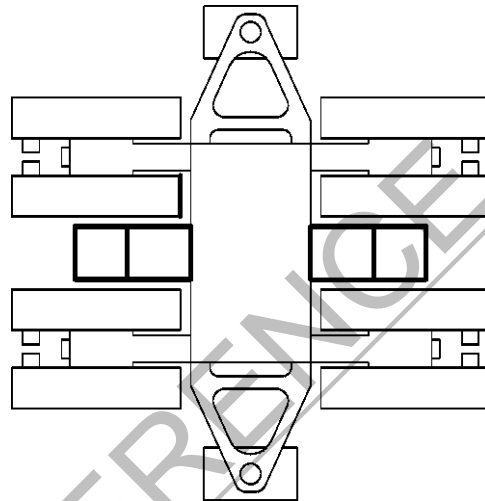
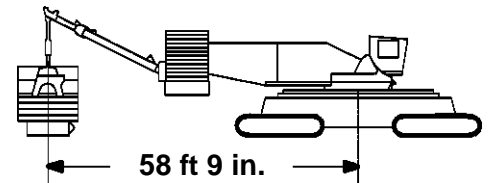
599,300 lb Hanging Counterweight
8 Side Boxes - 4 Center Boxes

Liftcrane Luffing Jib Capacities

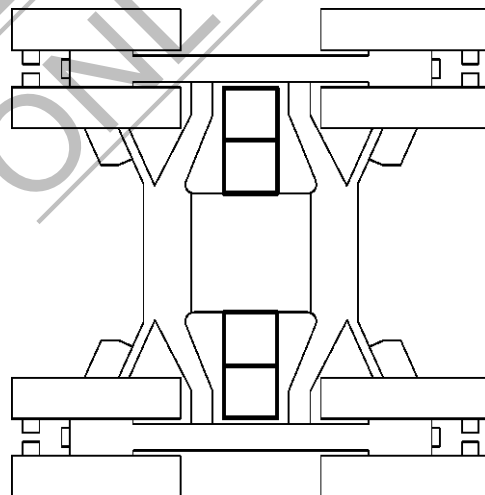
**21000
MAX-ER**

Luffing Jib No. 81 On
 Boom No. 80 With 140 ft Mast No. 81
 458,700 lb Crane Counterweight
 200,000 lb Carbody Counterweight
 599,300 lb Hanging Counterweight
 at 58 ft 9 in. Position
 Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
 ANSI B30.5
 Requirements



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



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

REFERENCE ONLY



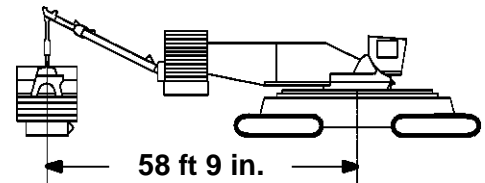
Liftcrane Luffing Jib Capacities

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
 599,300 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 599,300 lb Hanging Counterweight		
Boom Length Feet	Luffing Jib No. 81 Feet	Boom to Luffing Jib Angle Degrees
Over End Unblocked Crawlers		
180 - 240	120 - 300	90
260 - 280	120 - 300	60
300	120 - 220	60
Load blocks, hook and weight ball on ground until boom and luffing jib are erected.		

RAISING AND LOWERING PROCEDURE

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

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

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

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

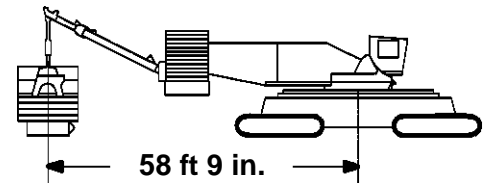
CAUTION: Do not under any condition allow boom to luffing jib angle to become less than 60 degrees.

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
599,300 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, 120 ft Luffing Jib

Jib Oper. Rad. Feet	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	
85				^c									85
90	66.8	298.3	547,300	674,500* ^b									90
95	64.1	295.8	511,300	637,200* ^b									95
100	61.4	293.0	479,100	603,500* ^b									100
105	58.6	290.0	450,300	573,000* ^b									105
110	55.7	286.5	424,200	545,100* ^b	64.3	292.4	391,300	523,100* ^b					110
115	52.7	282.7	400,500	519,500*	61.6	289.7	369,300	498,600* ^b					115
120	49.5	278.4	378,800	495,900*	58.8	286.6	349,300	476,000* ^b					120
125	46.2	273.7	358,900	474,100*	55.9	283.2	331,000	455,200* ^b					125
130	42.7	268.3	340,600	453,900*	52.9	279.4	314,100	435,800*					130
135	38.9	262.1	323,500	435,100*	49.8	275.2	298,400	417,900*	58.9	281.7	272,900	400,500* ^b	135
140	34.8	255.1	307,600	417,500*	46.5	270.5	283,900	401,100*	56.0	278.3	259,600	384,500* ^b	140
145	30.2	246.7	292,600	400,900*	43.0	265.2	270,300	385,400*	53.0	274.5	247,200	369,500*	145
150	24.7	236.4	278,400	385,200*	39.3	259.1	257,500	370,700*	49.9	270.3	235,500	355,500*	150
155	17.5	222.3	264,500	370,100*	35.2	252.1	245,500	356,800*	46.6	265.6	224,600	342,300*	155
160					30.6	243.9	234,100	343,600*	43.1	260.3	214,400	329,800*	160
165					25.2	233.8	223,100	331,000*	39.4	254.2	204,600	318,100*	165
170					18.3	220.2	212,300	318,800*	35.3	247.3	195,400	306,900*	170
175					3.6	189.8	199,600	305,700*	30.7	239.1	186,500	296,200*	175
180									25.3	229.0	177,800	285,900*	180
185									18.4	215.5	169,200	275,900*	185
190									4.5	186.8	158,900	265,000*	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).



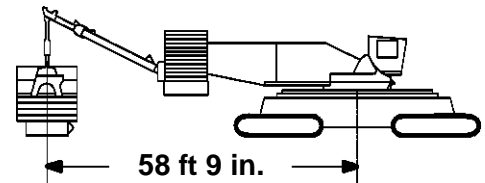
Liftcrane Luffing Jib Capacities

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
 599,300 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	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	
95	68.0	317.9	509,100	633,500*b									95
100	65.8	315.6	476,900	599,900*b									100
105	63.5	313.1	448,000	569,500*b									105
110	61.2	310.4	422,000	541,800*b									110
115	58.8	307.3	398,400	516,300*									115
120	56.3	304.0	376,900	492,900*	63.7	309.7	345,700	472,000*b					120
125	53.8	300.3	357,200	471,400*	61.4	307.0	327,500	451,300*b					125
130	51.1	296.2	339,000	451,400*	59.0	304.0	310,700	432,200*					130
135	48.4	291.8	322,200	432,800*	56.5	300.6	295,200	414,400*					135
140	45.5	286.9	306,700	415,400*	54.0	297.0	280,900	397,800*					140
145	42.5	281.5	292,200	399,200*	51.4	293.0	267,500	382,300*	59.0	299.0	242,900	365,500*	145
150	39.3	275.4	278,600	384,000*	48.7	288.6	255,100	367,800*	56.6	295.7	231,400	351,600*	150
155	35.8	268.6	265,900	369,700*	45.8	283.7	243,400	354,200*	54.0	292.1	220,800	338,600*	155
160	32.0	260.8	253,900	356,200*	42.8	278.4	232,500	341,400*	51.4	288.1	210,700	326,400*	160
165	27.8	251.6	242,400	343,300*	39.6	272.4	222,200	329,200*	48.7	283.7	201,300	314,800*	165
170	22.7	240.3	231,400	331,100*	36.2	265.6	212,400	317,800*	45.9	278.9	192,400	303,900*	170
175	16.1	224.9	220,500	319,200*	32.4	257.9	203,000	306,800*	42.9	273.5	184,000	293,500*	175
180					28.2	248.9	194,100	296,400*	39.7	267.5	176,000	283,700*	180
185					23.2	237.8	185,400	286,400*	36.2	260.8	168,300	274,300*	185
190					16.8	223.0	176,700	276,500*	32.5	253.1	161,000	265,400*	190
195					3.1	190.0	166,300	265,800*	28.3	244.1	153,900	256,800*	195
200									23.3	233.1	146,900	248,400*	200
205									16.9	218.3	139,900	240,200*	205
210									4.0	187.1	131,300	231,200*	210

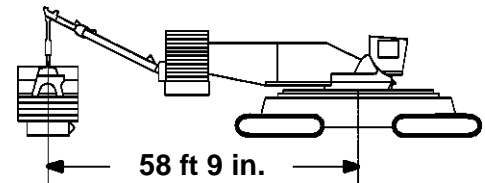
Capacities indicated by (b) require 37,000 lb minimum weight suspended beneath luffing jib point.

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
599,300 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	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	
100	69.0	337.5	474,800	597,100* b									100
105	67.1	335.4	445,900	566,800* b									105
110	65.1	333.0	419,900	539,100* b									110
115	63.1	330.5	396,400	513,800*									115
120	61.0	327.7	374,900	490,500*									120
125	58.9	324.6	355,300	469,000*									125
130	56.8	321.4	337,200	449,100*	63.3	327.1	307,800	429,300*					130
135	54.6	317.8	320,600	430,700*	61.2	324.3	292,400	411,600*					135
140	52.3	313.9	305,200	413,500*	59.1	321.3	278,200	395,100*					140
145	50.0	309.7	290,900	397,400*	57.0	318.0	265,000	379,800*					145
150	47.6	305.1	277,500	382,400*	54.8	314.5	252,700	365,400*					150
155	45.0	300.2	265,100	368,300*	52.5	310.6	241,200	351,900*	59.2	316.4	217,500	335,600*	155
160	42.4	294.7	253,300	355,000*	50.2	306.5	230,400	339,200*	57.0	313.1	207,600	323,500*	160
165	39.6	288.7	242,300	342,400*	47.8	302.0	220,300	327,300*	54.8	309.6	198,400	312,100*	165
170	36.6	282.0	231,900	330,600*	45.3	297.0	210,800	316,000*	52.6	305.7	189,600	301,300*	170
175	33.4	274.6	222,000	319,300*	42.6	291.6	201,800	305,300*	50.2	301.6	181,400	291,100*	175
180	29.9	266.1	212,600	308,600*	39.8	285.6	193,200	295,100*	47.8	297.1	173,600	281,400*	180
185	25.9	256.1	203,600	298,400*	36.9	279.0	185,100	285,400*	45.3	292.1	166,200	272,200*	185
190	21.1	243.9	194,800	288,500*	33.7	271.7	177,300	276,200*	42.7	286.7	159,200	263,500*	190
195	15.0	227.4	186,000	278,800*	30.2	263.3	169,900	267,400*	39.9	280.8	152,400	255,200*	195
200					26.2	253.5	162,700	258,900*	36.9	274.2	146,000	247,200*	200
205					21.6	241.5	155,600	250,700*	33.7	266.8	139,800	239,600*	205
210					15.6	225.6	148,500	242,700*	30.2	258.4	133,900	232,200*	210
215					2.8	190.1	139,800	233,700*	26.3	248.7	128,100	225,100*	215
220									21.7	236.8	122,300	218,200*	220
225									15.8	221.0	116,500	211,400*	225
230									3.6	187.4	109,300	203,800*	230

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



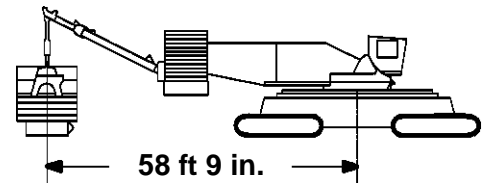
Liftcrane Luffing Jib Capacities

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
 599,300 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	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	
105	69.7	357.0	442,900	562,600* ^b									105
110	68.0	355.0	416,800	535,000*									110
115	66.3	352.8	393,200	509,800*									115
120	64.5	350.4	371,700	486,600*									120
125	62.7	347.8	352,000	465,200*									125
130	60.9	345.0	334,000	445,400*									130
135	59.0	342.0	317,400	427,000*	64.7	347.0	288,100	407,300*					135
140	57.2	338.7	302,000	409,900*	62.9	344.4	273,900	390,900*					140
145	55.2	335.2	287,700	394,000*	61.1	341.6	260,700	375,600*					145
150	53.2	331.5	274,400	379,000*	59.2	338.6	248,500	361,300*					150
155	51.2	327.5	262,000	365,000*	57.3	335.4	237,100	347,900*					155
160	49.1	323.1	250,400	351,800*	55.4	331.9	226,400	335,300*					160
165	46.9	318.5	239,500	339,400*	53.4	328.2	216,400	323,500*	59.3	333.7	193,400	307,700*	165
170	44.6	313.4	229,300	327,700*	51.4	324.2	206,900	312,300*	57.4	330.5	184,800	297,000*	170
175	42.3	307.9	219,600	316,600*	49.3	319.9	198,000	301,700*	55.4	327.0	176,600	286,900*	175
180	39.8	302.0	210,500	306,100*	47.1	315.3	189,700	291,700*	53.4	323.3	168,900	277,300*	180
185	37.2	295.4	201,800	296,100*	44.8	310.3	181,700	282,200*	51.4	319.3	161,700	268,200*	185
190	34.4	288.2	193,500	286,600*	42.5	304.8	174,100	273,100*	49.3	315.0	154,800	259,600*	190
195	31.4	280.2	185,600	277,500*	40.0	298.9	167,000	264,500*	47.1	310.4	148,200	251,400*	195
200	28.0	271.0	178,000	268,800*	37.4	292.4	160,100	256,200*	44.9	305.4	142,000	243,600*	200
205	24.3	260.3	170,600	260,400*	34.6	285.3	153,500	248,400*	42.5	299.9	136,000	236,100*	205
210	19.9	247.3	163,400	252,300*	31.7	277.3	147,200	240,800*	40.1	294.0	130,300	229,000*	210
215	14.0	229.7	156,200	244,300*	28.4	268.3	141,100	233,600*	37.5	287.6	124,800	222,100*	215
220					24.7	257.8	135,100	226,500*	34.7	280.4	119,600	215,500*	220
225					20.3	245.0	129,300	219,700*	31.7	272.5	114,500	209,200*	225
230					14.7	228.1	123,300	212,900*	28.4	263.5	109,500	203,000*	230
235					2.5	190.2	115,900	205,300*	24.7	253.0	104,700	197,100*	235
240									20.4	240.3	99,800	191,300*	240
245									14.8	223.4	94,900	185,500*	245
250									3.3	187.8	88,700	179,000*	250

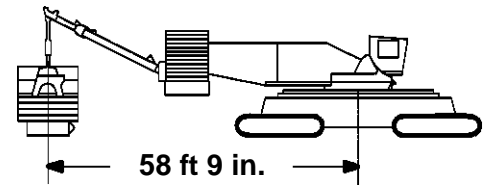
Capacities indicated by (b) require 37,000 lb minimum weight suspended beneath luffing jib point.

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
599,300 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	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	
115	68.8	374.6	390,200	506,600*									115
120	67.2	372.5	368,700	483,500*									120
125	65.7	370.2	349,000	462,200*									125
130	64.1	367.7	331,000	442,400*									130
135	62.5	365.1	314,400	424,100*									135
140	60.8	362.3	299,100	407,000*									140
145	59.1	359.3	284,800	391,100*	64.2	364.3	257,100	372,300*					145
150	57.4	356.1	271,600	376,300*	62.6	361.7	244,900	358,100*					150
155	55.7	352.7	259,300	362,300*	61.0	358.9	233,500	344,800*					155
160	53.9	349.0	247,700	349,200*	59.3	356.0	222,900	332,200*					160
165	52.1	345.1	236,900	336,900*	57.6	352.8	213,000	320,400*					165
170	50.3	341.0	226,800	325,200*	55.9	349.4	203,600	309,300*					170
175	48.3	336.5	217,200	314,200*	54.1	345.7	194,800	298,800*	59.3	351.0	172,700	283,600*	175
180	46.4	331.8	208,100	303,800*	52.3	341.9	186,500	288,900*	57.6	347.9	165,100	274,100*	180
185	44.3	326.7	199,600	293,900*	50.4	337.7	178,600	279,400*	55.9	344.5	157,900	265,100*	185
190	42.2	321.2	191,500	284,500*	48.5	333.3	171,200	270,500*	54.1	340.8	151,100	256,500*	190
195	40.0	315.2	183,700	275,600*	46.5	328.6	164,100	261,900*	52.3	337.0	144,700	248,400*	195
200	37.6	308.8	176,400	267,000*	44.5	323.5	157,400	253,800*	50.5	332.8	138,500	240,600*	200
205	35.2	301.8	169,400	258,900*	42.4	318.0	151,000	246,000*	48.5	328.4	132,700	233,300*	205
210	32.5	294.0	162,600	251,100*	40.2	312.1	144,900	238,600*	46.6	323.7	127,100	226,200*	210
215	29.7	285.4	156,200	243,600*	37.8	305.8	139,000	231,500*	44.5	318.6	121,800	219,400*	215
220	26.5	275.7	149,900	236,400*	35.4	298.8	133,400	224,700*	42.4	313.2	116,600	213,000*	220
225	23.0	264.3	143,800	229,400*	32.8	291.1	127,900	218,200*	40.2	307.3	111,700	206,800*	225
230	18.8	250.5	137,800	222,600*	29.9	282.6	122,700	211,900*	37.9	300.9	107,000	200,800*	230
235	13.3	231.9	131,700	215,800*	26.8	273.0	117,600	205,800*	35.4	294.0	102,500	195,100*	235
240					23.3	261.8	112,600	199,800*	32.8	286.3	98,100	189,500*	240
245					19.2	248.3	107,700	194,100*	30.0	277.8	93,800	184,200*	245
250					13.9	230.4	102,600	188,300*	26.9	268.2	89,600	179,000*	250
260									19.3	243.6	81,400	168,900*	260
270									3.1	188.1	71,700	158,300*	270

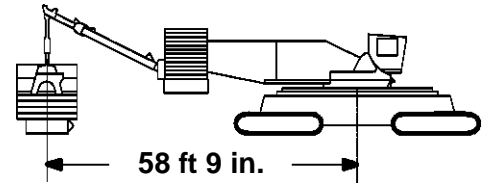


Liftcrane Luffing Jib Capacities

**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
599,300 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

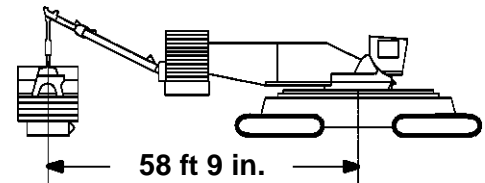
Jib Oper. Rad. Feet	80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing 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	
120	69.4	394.1	364,300	479,300*									120
125	68.0	392.1	344,700	458,000*									125
130	66.6	389.9	326,600	438,300*									130
135	65.2	387.6	310,100	420,000*									135
140	63.7	385.1	294,700	403,000*									140
145	62.2	382.4	280,500	387,200*									145
150	60.7	379.6	267,300	372,400*									150
155	59.2	376.6	255,000	358,500*	63.8	381.7	228,500	340,400*					155
160	57.7	373.5	243,500	345,400*	62.4	379.0	217,900	327,900*					160
165	56.1	370.1	232,800	333,100*	60.9	376.2	208,000	316,200*					165
170	54.5	366.5	222,600	321,500*	59.4	373.3	198,700	305,100*					170
175	52.9	362.7	213,100	310,600*	57.8	370.1	189,900	294,700*					175
180	51.2	358.7	204,100	300,200*	56.3	366.8	181,700	284,800*					180
185	49.5	354.4	195,700	290,400*	54.7	363.2	173,900	275,400*	59.4	368.4	152,500	260,600*	185
190	47.7	349.9	187,600	281,100*	53.0	359.5	166,500	266,500*	57.8	365.2	145,700	252,100*	190
195	45.9	345.0	180,000	272,200*	51.4	355.4	159,500	258,000*	56.3	361.9	139,300	244,000*	195
200	44.1	339.9	172,800	263,800*	49.7	351.2	152,900	250,000*	54.7	358.3	133,300	236,300*	200
205	42.1	334.4	165,900	255,700*	47.9	346.7	146,600	242,300*	53.1	354.5	127,500	229,000*	205
210	40.1	328.5	159,300	248,000*	46.1	341.9	140,500	235,000*	51.4	350.5	122,000	222,000*	210
215	38.0	322.1	153,000	240,600*	44.2	336.7	134,800	227,900*	49.7	346.3	116,800	215,400*	215
220	35.8	315.2	146,900	233,600*	42.3	331.3	129,300	221,200*	47.9	341.8	111,800	209,000*	220
225	33.4	307.7	141,100	226,800*	40.3	325.4	124,000	214,800*	46.1	337.0	107,000	202,800*	225
230	30.9	299.5	135,500	220,300*	38.2	319.1	118,900	208,600*	44.3	331.9	102,400	197,000*	230
235	28.2	290.4	130,100	214,000*	36.0	312.3	114,000	202,700*	42.3	326.4	97,900	191,300*	235
240	25.2	280.1	124,900	207,900*	33.7	304.8	109,300	196,900*	40.3	320.5	93,700	185,900*	240
245	21.9	268.1	119,800	202,000*	31.2	296.7	104,800	191,400*	38.2	314.2	89,600	180,600*	245
250	17.8	253.6	114,700	196,200*	28.5	287.6	100,400	186,100*	36.0	307.4	85,600	175,600*	250
260					22.2	265.7	91,800	175,800*	31.2	291.9	78,000	166,000*	260
270					13.2	232.6	83,200	165,900*	25.6	272.7	70,800	157,000*	270
280									18.3	246.7	63,700	148,300*	280
290									2.9	188.3	55,300	139,000*	290

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
599,300 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	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	
125	69.9	413.6	341,800	454,300*									125
130	68.7	411.7	323,700	434,700*									130
135	67.4	409.6	307,000	416,400*									135
140	66.1	407.3	291,600	399,500*									140
145	64.7	405.0	277,300	383,700*									145
150	63.4	402.4	264,000	368,900*									150
155	62.1	399.8	251,700	355,000*									155
160	60.7	396.9	240,100	342,000*	64.9	401.5	213,900	324,100*					160
165	59.3	394.0	229,300	329,700*	63.5	399.0	204,000	312,400*					165
170	57.9	390.8	219,200	318,200*	62.2	396.4	194,700	301,400*					170
175	56.4	387.5	209,700	307,200*	60.8	393.6	186,000	291,000*					175
180	55.0	384.0	200,700	296,900*	59.4	390.6	177,700	281,100*					180
185	53.5	380.3	192,200	287,100*	58.0	387.5	169,900	271,800*					185
190	52.0	376.4	184,200	277,800*	56.6	384.2	162,600	262,900*					190
195	50.4	372.2	176,600	269,000*	55.1	380.7	155,600	254,500*	59.4	385.7	134,900	240,200*	195
200	48.9	367.9	169,400	260,600*	53.6	377.0	149,000	246,500*	58.0	382.6	128,900	232,600*	200
205	47.2	363.2	162,500	252,600*	52.1	373.1	142,700	238,900*	56.6	379.2	123,100	225,300*	205
210	45.6	358.3	156,000	245,000*	50.6	369.0	136,700	231,600*	55.1	375.8	117,700	218,300*	210
215	43.8	353.1	149,700	237,600*	49.0	364.6	131,000	224,600*	53.7	372.1	112,500	211,700*	215
220	42.1	347.6	143,800	230,600*	47.4	360.0	125,500	217,900*	52.2	368.2	107,500	205,300*	220
225	40.2	341.7	138,000	223,900*	45.7	355.1	120,300	211,500*	50.6	364.1	102,700	199,300*	225
230	38.3	335.4	132,600	217,500*	44.0	350.0	115,300	205,400*	49.0	359.7	98,200	193,400*	230
235	36.3	328.7	127,300	211,300*	42.2	344.5	110,500	199,500*	47.4	355.1	93,800	187,800*	235
240	34.2	321.4	122,200	205,400*	40.4	338.6	105,900	193,900*	45.7	350.3	89,600	182,500*	240
245	31.9	313.5	117,300	199,600*	38.5	332.4	101,400	188,400*	44.0	345.1	85,600	177,300*	245
250	29.5	304.8	112,600	194,100*	36.5	325.7	97,100	183,200*	42.3	339.6	81,700	172,300*	250
260	24.1	284.3	103,500	183,500*	32.1	310.6	89,000	173,200*	38.5	327.5	74,300	162,900*	260
270	17.0	256.5	94,700	173,500*	27.2	292.4	81,300	163,900*	34.4	313.6	67,400	154,100*	270
280					21.2	269.3	73,900	155,000*	29.8	297.1	60,900	145,800*	280
290					12.6	234.7	66,400	146,400*	24.4	276.9	54,600	137,900*	290
300									17.5	249.7	48,400	130,400*	300
310									2.7	188.6	40,900	122,100*	310



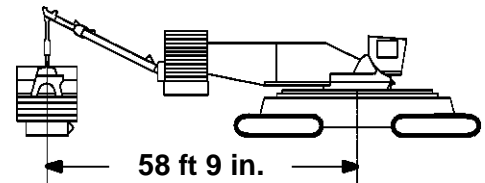
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
 Boom No. 80 With 140 ft Mast No. 81
 458,700 lb Crane Counterweight
 200,000 lb Carbody Counterweight
 599,300 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

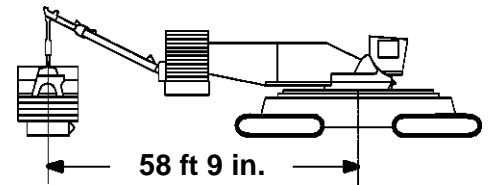
Jib Oper. Rad. Feet	80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing 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	
135	69.2	431.2	302,400	412,300*									135
140	68.0	429.2	287,000	395,400*									140
145	66.8	427.0	272,800	379,600*									145
150	65.6	424.7	259,500	364,800*									150
155	64.4	422.3	247,200	351,000*									155
160	63.1	419.8	235,600	338,000*									160
165	61.9	417.1	224,900	325,800*									165
170	60.6	414.3	214,700	314,300*	64.5	418.9	189,500	297,100*					170
175	59.3	411.3	205,200	303,400*	63.3	416.4	180,800	286,700*					175
180	58.0	408.2	196,300	293,100*	62.0	413.7	172,600	276,900*					180
185	56.7	404.9	187,800	283,300*	60.7	410.9	164,900	267,600*					185
190	55.4	401.4	179,800	274,100*	59.5	407.9	157,500	258,800*					190
195	54.0	397.8	172,300	265,300*	58.2	404.8	150,600	250,400*					195
200	52.6	394.0	165,100	256,900*	56.8	401.5	144,000	242,400*					200
205	51.2	389.9	158,300	249,000*	55.5	398.1	137,800	234,800*	59.5	403.0	117,600	220,800*	205
210	49.8	385.7	151,800	241,400*	54.2	394.5	131,800	227,500*	58.2	399.9	112,200	213,900*	210
215	48.3	381.2	145,600	234,100*	52.8	390.7	126,200	220,600*	56.9	396.6	107,100	207,300*	215
220	46.8	376.5	139,700	227,200*	51.4	386.7	120,700	214,000*	55.5	393.2	102,100	201,000*	220
225	45.2	371.6	134,000	220,500*	49.9	382.5	115,600	207,700*	54.2	389.6	97,400	195,000*	225
230	43.6	366.4	128,600	214,100*	48.4	378.0	110,600	201,600*	52.8	385.8	92,900	189,200*	230
235	42.0	360.8	123,400	208,000*	46.9	373.4	105,900	195,800*	51.4	381.8	88,600	183,700*	235
240	40.3	355.0	118,400	202,100*	45.4	368.4	101,300	190,200*	49.9	377.6	84,500	178,300*	240
245	38.5	348.7	113,600	196,400*	43.8	363.2	97,000	184,800*	48.5	373.1	80,500	173,200*	245
250	36.7	342.1	109,000	191,000*	42.2	357.7	92,800	179,600*	47.0	368.5	76,700	168,300*	250
260	32.8	327.2	100,300	180,700*	38.7	345.7	84,800	169,800*	43.8	358.3	69,500	159,000*	260
270	28.3	309.8	92,000	171,000*	35.0	332.0	77,400	160,600*	40.5	347.0	62,800	150,300*	270
280	23.1	288.3	84,200	161,900*	30.8	316.1	70,400	152,000*	36.9	334.2	56,500	142,200*	280
290	16.3	259.3	76,600	153,100*	26.1	297.0	63,700	143,900*	33.0	319.5	50,500	134,600*	290
300					20.3	272.9	57,300	136,200*	28.6	302.2	44,800	127,300*	300
310					12.0	236.7	50,700	128,600*	23.4	281.0	39,400	120,500*	310
320									16.8	252.6	33,900	113,800*	320
330									2.5	188.9	27,200	106,500*	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
599,300 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, 280 ft Luffing Jib

Jib Oper. Rad. Feet	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	
140	69.7	450.7	283,300	375,400*									140
145	68.6	448.7	269,000	375,400*									145
150	67.5	446.6	255,800	361,500*									150
155	66.3	444.4	243,400	347,700*									155
160	65.2	442.1	231,900	334,700*									160
165	64.1	439.7	221,200	322,500*									165
170	62.9	437.1	211,000	311,000*									170
175	61.8	434.4	201,500	300,200*									175
180	60.6	431.6	192,600	289,900*	64.2	436.3	168,500	273,400*					180
185	59.4	428.6	184,200	280,200*	63.0	433.7	160,700	264,100*					185
190	58.2	425.5	176,200	271,000*	61.9	431.0	153,400	255,300*					190
195	57.0	422.2	168,600	262,200*	60.7	428.2	146,500	247,000*					195
200	55.7	418.8	161,500	253,900*	59.5	425.2	140,000	239,000*					200
205	54.5	415.2	154,700	245,900*	58.3	422.2	133,700	231,500*					205
210	53.2	411.5	148,200	238,300*	57.1	418.9	127,800	224,200*					210
215	51.9	407.6	142,000	231,100*	55.8	415.5	122,200	217,400*	59.5	420.3	102,700	203,800*	215
220	50.6	403.5	136,100	224,200*	54.6	412.0	116,800	210,800*	58.3	417.2	97,800	197,500*	220
225	49.2	399.1	130,500	217,600*	53.3	408.2	111,700	204,500*	57.1	414.0	93,100	191,500*	225
230	47.8	394.6	125,200	211,200*	52.0	404.3	106,800	198,400*	55.9	410.6	88,700	185,800*	230
235	46.4	389.9	120,000	205,100*	50.7	400.2	102,100	192,600*	54.6	407.0	84,400	180,300*	235
240	45.0	384.9	115,100	199,300*	49.3	395.9	97,600	187,100*	53.3	403.3	80,300	175,000*	240
245	43.5	379.6	110,300	193,700*	48.0	391.4	93,200	181,700*	52.0	399.4	76,400	169,900*	245
250	42.0	374.1	105,800	188,300*	46.6	386.7	89,100	176,600*	50.7	395.3	72,600	165,000*	250
260	38.8	362.0	97,200	178,000*	43.6	376.5	81,200	166,800*	48.0	386.5	65,500	155,800*	260
270	35.3	348.4	89,200	168,500*	40.5	365.1	73,900	157,800*	45.1	376.8	58,900	147,200*	270
280	31.5	332.9	81,600	159,500*	37.2	352.4	67,100	149,300*	42.1	366.1	52,700	139,100*	280
290	27.3	314.6	74,500	148,200*	33.6	338.0	60,700	141,400*	38.9	354.1	46,900	131,600*	290
300	22.2	292.2	67,700	137,900*	29.7	321.3	54,600	133,900*	35.5	340.6	41,400	124,600*	300
310	15.7	262.0	61,000	129,000*	25.1	301.4	48,800	126,800*	31.7	325.2	36,200	117,900*	310
320					19.5	276.2	43,100	120,000*	27.5	307.1	31,300	111,500*	320
330					11.6	238.6	37,300	113,300*	22.5	285.0	26,500	105,500*	330
340									16.1	255.3	21,600	99,600*	340
350									2.4	189.1	15,600	93,000*	350

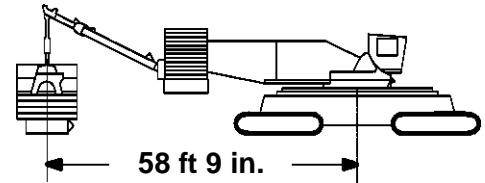


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
599,300 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

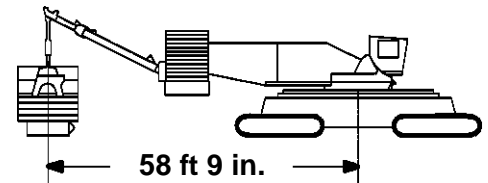
Jib Oper. Rad. Feet	80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing 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	
150	69.0	468.3	252,300	326,000*									150
155	68.0	466.2	239,900	319,300*									155
160	67.0	464.1	228,300	310,800*									160
165	65.9	461.9	217,400	301,700*									165
170	64.9	459.5	207,200	292,400*									170
175	63.8	457.0	197,700	283,000*									175
180	62.7	454.4	188,700	273,700*									180
185	61.6	451.7	180,200	264,400*	65.0	456.1	156,100	259,800*					185
190	60.5	448.9	172,200	255,200*	63.9	453.6	148,800	251,000*					190
195	59.4	445.9	164,600	246,100*	62.8	451.0	141,900	242,700*					195
200	58.3	442.8	157,400	237,300*	61.7	448.4	135,300	234,800*					200
205	57.2	439.6	150,600	228,600*	60.6	445.5	129,100	227,300*					205
210	56.0	436.2	144,100	219,900*	59.5	442.6	123,100	220,100*					210
215	54.9	432.7	137,900	211,500*	58.4	439.5	117,500	213,200*					215
220	53.7	429.0	132,100	203,500*	57.3	436.3	112,100	206,600*					220
225	52.5	425.2	126,400	195,600*	56.1	432.9	107,000	200,400*	59.6	437.7	87,900	187,100*	225
230	51.2	421.1	121,100	188,000*	55.0	429.4	102,100	194,400*	58.4	434.6	83,500	181,400*	230
235	50.0	417.0	115,900	180,500*	53.8	425.7	97,400	188,600*	57.3	431.4	79,200	175,900*	235
240	48.7	412.6	111,000	173,300*	52.6	421.9	92,900	183,100*	56.1	428.0	75,100	170,700*	240
245	47.4	408.0	106,300	166,300*	51.3	417.9	88,600	177,700*	55.0	424.5	71,200	165,600*	245
250	46.1	403.2	101,800	159,500*	50.1	413.7	84,500	172,600*	53.8	420.8	67,500	160,800*	250
260	43.4	392.8	93,200	146,500*	47.5	404.8	76,700	163,000*	51.4	413.0	60,400	151,600*	260
270	40.5	381.5	85,200	134,400*	44.9	395.0	69,400	154,000*	48.9	404.4	53,800	143,000*	270
280	37.4	368.8	77,800	123,100*	42.1	384.2	62,700	141,900*	46.2	395.1	47,700	135,100*	280
290	34.0	354.5	70,900	112,500*	39.1	372.2	56,400	130,100*	43.5	384.8	42,000	127,700*	290
300	30.4	338.3	64,300	102,600*	35.9	358.9	50,400	119,100*	40.6	373.5	36,700	120,700*	300
310	26.3	319.2	58,100	93,500*	32.4	343.8	44,800	108,800*	37.5	360.9	31,600	114,100*	310
320	21.5	296.0	52,100	85,100*	28.6	326.4	39,500	99,200*	34.2	346.7	26,900	107,900*	320
330	15.2	264.6	46,100	77,600*	24.2	305.7	34,300	90,400*	30.6	330.6	22,300	102,000*	330
340					18.9	279.5	29,300	82,400*	26.5	311.7	17,900	95,500*	340
350					11.2	240.5	24,100	75,600*	21.7	288.7	13,600	86,900*	350
360									15.6	258.0	9,300	79,400*	360
370									2.3	189.4	3,800	74,200*	370

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
599,300 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	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	
90				^c									90
95	65.9	317.2	505,300	629,700* ^b									95
100	63.3	314.7	473,400	596,500* ^b									100
105	60.5	311.8	444,800	566,200* ^b									105
110	57.7	308.6	419,000	538,600* ^b									110
115	54.8	305.1	395,500	513,400* ^b	64.4	311.8	359,300	489,200* ^b					115
120	51.7	301.1	374,100	490,100*	61.7	309.1	339,800	467,000* ^b					120
125	48.5	296.7	354,400	468,600*	58.9	306.1	321,800	446,600* ^b					125
130	45.2	291.8	336,300	448,600*	56.0	302.7	305,300	427,600* ^b					130
135	41.6	286.2	319,400	430,000*	53.0	298.9	290,100	410,000* ^b					135
140	37.7	279.8	303,800	412,700*	49.9	294.7	275,900	393,600*	59.9	301.7	247,600	374,300* ^b	140
145	33.5	272.4	289,100	396,400*	46.7	290.0	262,700	378,200*	57.1	298.4	235,700	359,700* ^b	145
150	28.6	263.5	275,200	381,000*	43.2	284.7	250,300	363,800*	54.1	294.8	224,500	346,000* ^b	150
155	22.7	252.3	261,800	366,300*	39.4	278.6	238,700	350,200*	51.0	290.7	214,100	333,200*	155
160	14.6	236.1	248,600	352,000*	35.4	271.7	227,700	337,300*	47.8	286.2	204,200	321,100*	160
165					30.8	263.6	217,200	325,100*	44.4	281.1	195,000	309,700*	165
170					25.4	253.5	207,000	313,500*	40.8	275.4	186,200	298,800*	170
175					18.6	240.1	197,000	302,100*	36.8	268.8	177,800	288,500*	175
180					5.3	212.7	185,500	290,100*	32.4	261.1	169,700	278,700*	180
185									27.4	251.8	161,900	269,200*	185
190									21.2	239.9	154,100	260,000*	190
195									12.0	221.3	145,900	250,700*	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).



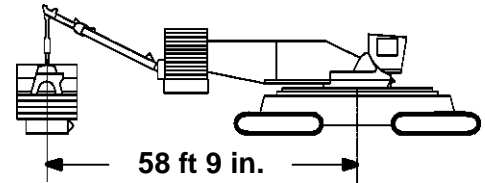
Liftcrane Luffing Jib Capacities

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
 599,300 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	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	
95	69.6	339.1	501,900	625,700*b									95
100	67.4	337.0	470,100	592,600*b									100
105	65.1	334.6	441,600	562,600*b									105
110	62.8	332.0	415,900	535,100*b									110
115	60.4	329.1	392,500	510,000*b									115
120	58.0	326.0	371,300	486,900*									120
125	55.5	322.6	351,800	465,600*	63.8	329.1	317,400	442,400*b					125
130	53.0	318.8	333,900	445,800*	61.5	326.4	301,100	423,700*b					130
135	50.3	314.6	317,300	427,400*	59.1	323.4	286,000	406,200*b					135
140	47.5	310.1	302,000	410,300*	56.6	320.1	272,100	390,000*					140
145	44.6	305.0	287,700	394,300*	54.1	316.5	259,100	374,800*					145
150	41.6	299.4	274,400	379,300*	51.5	312.5	247,000	360,600*	59.9	319.0	219,600	341,800*b	150
155	38.3	293.1	261,900	365,200*	48.8	308.1	235,700	347,200*	57.5	315.8	209,300	329,100*	155
160	34.7	286.0	250,000	351,900*	45.9	303.2	225,000	334,600*	55.0	312.3	199,800	317,200*	160
165	30.8	277.8	238,800	339,300*	42.9	297.9	215,000	322,700*	52.4	308.4	190,700	305,900*	165
170	26.3	268.1	228,100	327,200*	39.7	291.9	205,500	311,500*	49.7	304.2	182,200	295,300*	170
175	20.9	255.9	217,700	315,700*	36.3	285.2	196,500	300,800*	46.9	299.5	174,200	285,300*	175
180	13.4	238.2	207,200	304,300*	32.6	277.5	187,900	290,700*	44.0	294.3	166,500	275,700*	180
185					28.3	268.5	179,700	280,900*	40.9	288.6	159,300	266,700*	185
190					23.4	257.6	171,600	271,600*	37.5	282.2	152,300	258,000*	190
195					17.1	243.0	163,600	262,400*	33.9	274.8	145,600	249,700*	195
200					4.7	213.2	154,200	252,500*	29.9	266.4	139,200	241,700*	200
205									25.2	256.2	132,900	234,000*	205
210									19.5	243.2	126,500	226,400*	210
215									11.0	223.0	119,700	218,700*	215

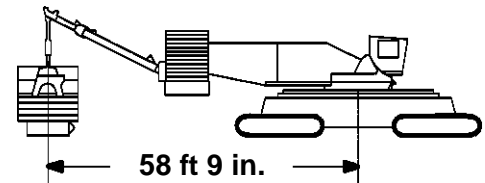
Capacities indicated by **(b)** require 37,000 lb minimum weight suspended beneath luffing jib point.

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
599,300 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	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	
105	68.4	356.6	440,100	559,600* b									105
110	66.5	354.4	414,300	532,300* b									110
115	64.5	352.0	391,000	507,300* b									115
120	62.5	349.3	369,700	484,300*									120
125	60.4	346.5	350,300	463,100*									125
130	58.3	343.4	332,400	443,400*									130
135	56.1	340.0	315,900	425,200*	63.3	346.5	283,400	403,200*					135
140	53.9	336.3	300,700	408,200*	61.3	343.7	269,500	387,100*					140
145	51.6	332.4	286,500	392,300*	59.2	340.7	256,600	372,000*					145
150	49.3	328.1	273,300	377,500*	57.1	337.5	244,600	357,900*					150
155	46.8	323.4	261,000	363,500*	54.9	333.9	233,400	344,700*					155
160	44.2	318.2	249,400	350,400*	52.6	330.1	222,900	332,200*	59.9	336.3	196,500	314,100*	160
165	41.5	312.6	238,600	338,100*	50.3	326.0	213,100	320,500*	57.8	333.1	187,600	303,000*	165
170	38.7	306.5	228,300	326,300*	47.9	321.4	203,800	309,400*	55.6	329.7	179,200	292,500*	170
175	35.6	299.6	218,600	315,300*	45.4	316.5	195,000	298,900*	53.4	326.0	171,300	282,500*	175
180	32.3	291.8	209,300	304,700*	42.7	311.1	186,700	289,000*	51.1	322.0	163,900	273,100*	180
185	28.7	282.9	200,500	294,600*	39.9	305.2	178,800	279,500*	48.7	317.6	156,800	264,200*	185
190	24.5	272.4	191,900	285,000*	37.0	298.6	171,300	270,500*	46.2	312.8	150,100	255,700*	190
195	19.5	259.2	183,600	275,600*	33.8	291.3	164,100	261,900*	43.7	307.6	143,700	247,600*	195
200	12.4	240.2	175,000	266,400*	30.3	282.9	157,200	253,700*	40.9	301.8	137,500	239,900*	200
205					26.4	273.2	150,500	245,700*	38.0	295.5	131,700	232,500*	205
210					21.8	261.3	143,900	238,000*	35.0	288.4	126,000	225,400*	210
215					15.9	245.6	137,300	230,400*	31.6	280.5	120,600	218,600*	215
220					4.3	213.7	129,400	222,200*	27.8	271.2	115,200	212,000*	220
225									23.5	260.3	110,000	205,500*	225
230									18.2	246.3	104,700	199,200*	230
235									10.2	224.6	99,000	192,700*	235

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

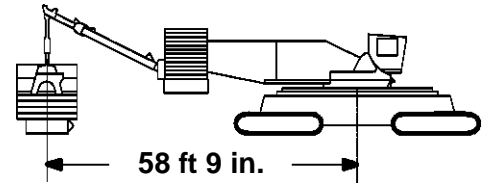


Liftcrane Luffing Jib Capacities

**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
599,300 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	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	
110	69.2	376.1	410,100	528,100* ^b									110
115	67.5	374.0	386,800	503,100*									115
120	65.8	371.8	365,600	480,200*									120
125	64.0	369.3	346,200	459,100*									125
130	62.2	366.6	328,300	439,500*									130
135	60.3	363.8	311,900	421,400*									135
140	58.5	360.7	296,800	404,500*	64.7	366.4	264,400	382,600*					140
145	56.6	357.4	282,700	388,700*	63.0	363.8	251,600	367,600*					145
150	54.6	353.8	269,600	373,900*	61.1	361.0	239,700	353,600*					150
155	52.6	350.0	257,400	360,100*	59.3	358.0	228,600	340,500*					155
160	50.5	345.9	245,900	347,100*	57.4	354.8	218,200	328,100*					160
165	48.4	341.5	235,200	334,800*	55.5	351.4	208,500	316,500*					165
170	46.2	336.7	225,100	323,300*	53.5	347.7	199,300	305,500*	59.9	353.6	173,700	287,900*	170
175	43.9	331.5	215,600	312,300*	51.4	343.7	190,700	295,100*	58.1	350.5	165,900	278,100*	175
180	41.5	325.9	206,600	301,900*	49.3	339.4	182,500	285,300*	56.1	347.1	158,600	268,800*	180
185	39.0	319.7	198,000	292,100*	47.2	334.8	174,800	276,000*	54.2	343.5	151,700	259,900*	185
190	36.3	313.0	189,900	282,700*	44.9	329.8	167,500	267,100*	52.2	339.6	145,100	251,600*	190
195	33.5	305.6	182,100	273,800*	42.6	324.3	160,500	258,700*	50.1	335.4	138,800	243,600*	195
200	30.4	297.2	174,700	265,200*	40.1	318.4	153,800	250,600*	47.9	330.9	132,800	236,000*	200
205	27.0	287.6	167,500	257,000*	37.5	312.0	147,500	242,900*	45.7	326.1	127,200	228,700*	205
210	23.0	276.4	160,500	249,000*	34.7	304.9	141,400	235,500*	43.4	320.8	121,700	221,800*	210
215	18.3	262.3	153,700	241,300*	31.8	296.9	135,500	228,500*	41.0	315.1	116,500	215,100*	215
220	11.7	242.1	146,600	233,600*	28.5	287.9	129,800	221,600*	38.4	308.8	111,500	208,700*	220
225					24.8	277.5	124,300	215,000*	35.7	301.9	106,700	202,600*	225
230					20.5	264.8	118,800	208,600*	32.8	294.3	102,000	196,700*	230
235					14.9	248.1	113,200	202,200*	29.7	285.7	97,500	191,000*	235
240					4.0	214.2	106,500	195,200*	26.1	275.8	93,000	185,400*	240
245									22.1	264.1	88,600	180,000*	245
250									17.1	249.1	84,200	174,600*	250

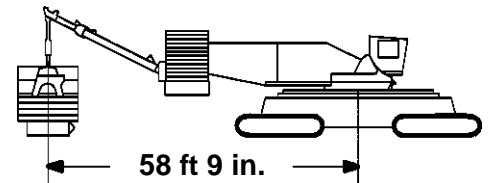
Capacities indicated by **(b)** require 37,000 lb minimum weight suspended beneath luffing jib point.

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
599,300 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, 200 ft Luffing Jib

Jib Oper. Rad. Feet	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	
115	69.9	395.6	383,600	499,900*									115
120	68.3	393.6	362,400	477,000*									120
125	66.8	391.5	343,000	455,900*									125
130	65.2	389.1	325,200	436,400*									130
135	63.6	386.6	308,800	418,300*									135
140	62.0	384.0	293,700	401,500*									140
145	60.3	381.1	279,700	385,800*									145
150	58.6	378.0	266,600	371,100*	64.3	383.7	235,900	350,200*					150
155	56.9	374.8	254,400	357,300*	62.7	381.1	224,800	337,200*					155
160	55.2	371.3	243,100	344,400*	61.0	378.4	214,500	324,900*					160
165	53.4	367.6	232,400	332,200*	59.4	375.4	204,800	313,300*					165
170	51.6	363.6	222,400	320,700*	57.7	372.2	195,700	302,400*					170
175	49.7	359.3	212,900	309,800*	55.9	368.8	187,200	292,100*					175
180	47.7	354.8	204,000	299,500*	54.2	365.2	179,100	282,300*	59.9	371.0	154,500	265,300*	180
185	45.7	349.9	195,600	289,800*	52.4	361.3	171,500	273,100*	58.3	367.8	147,600	256,600*	185
190	43.7	344.7	187,600	280,500*	50.5	357.2	164,300	264,300*	56.5	364.5	141,100	248,300*	190
195	41.5	339.1	180,000	271,700*	48.6	352.8	157,400	255,900*	54.8	361.0	135,000	240,400*	195
200	39.3	333.0	172,800	263,200*	46.6	348.1	150,900	248,000*	53.0	357.2	129,100	232,800*	200
205	36.9	326.4	165,900	255,200*	44.6	343.0	144,600	240,400*	51.2	353.2	123,500	225,600*	205
210	34.4	319.2	159,300	247,500*	42.5	337.6	138,700	233,100*	49.3	348.9	118,200	218,800*	210
215	31.7	311.2	152,900	240,100*	40.3	331.7	133,000	226,200*	47.3	344.3	113,100	212,200*	215
220	28.7	302.3	146,800	233,000*	37.9	325.3	127,600	219,500*	45.3	339.3	108,200	205,900*	220
225	25.5	292.1	140,900	226,200*	35.5	318.4	122,300	213,100*	43.2	334.0	103,600	199,900*	225
230	21.8	280.1	135,100	219,500*	32.9	310.7	117,300	207,000*	41.0	328.3	99,100	194,100*	230
235	17.3	265.3	129,300	213,000*	30.0	302.2	112,400	201,000*	38.8	322.1	94,700	188,600*	235
240	11.0	243.9	123,300	206,500*	26.9	292.7	107,600	195,300*	36.4	315.4	90,600	183,200*	240
245					23.5	281.6	103,000	189,700*	33.8	308.0	86,500	178,000*	245
250					19.4	268.1	98,300	184,200*	31.1	299.8	82,600	173,000*	250
260					3.7	214.6	87,800	172,700*	24.7	280.1	75,000	163,400*	260
270									16.1	251.9	67,400	154,100*	270

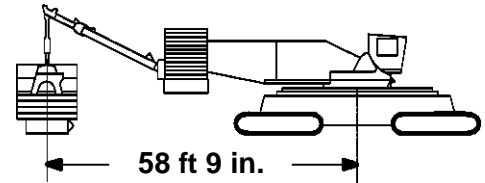


Liftcrane Luffing Jib Capacities

**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
599,300 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

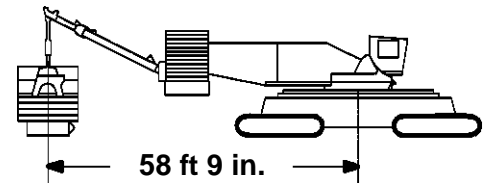
Jib Oper. Rad. Feet	80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing 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	
125	69.0	413.2	339,400	451,600*									125
130	67.6	411.1	321,500	432,200*									130
135	66.2	408.9	305,100	414,100*									135
140	64.7	406.5	289,900	397,400*									140
145	63.3	404.0	275,800	381,700*									145
150	61.8	401.3	262,700	367,100*									150
155	60.3	398.4	250,600	353,300*									155
160	58.8	395.4	239,200	340,500*	63.9	401.1	209,700	320,400*					160
165	57.2	392.1	228,500	328,300*	62.4	398.5	200,000	308,900*					165
170	55.6	388.7	218,500	316,900*	60.9	395.7	191,000	298,000*					170
175	54.0	385.1	209,100	306,100*	59.4	392.7	182,500	287,800*					175
180	52.4	381.2	200,200	295,800*	57.9	389.6	174,400	278,100*					180
185	50.7	377.1	191,900	286,200*	56.3	386.2	166,800	268,900*					185
190	49.0	372.8	183,900	276,900*	54.7	382.7	159,600	260,200*	59.9	388.3	135,700	243,600*	190
195	47.2	368.1	176,400	268,200*	53.1	378.9	152,800	251,900*	58.4	385.2	129,600	235,800*	195
200	45.4	363.2	169,200	259,900*	51.4	374.9	146,400	244,000*	56.9	381.9	123,800	228,300*	200
205	43.5	358.0	162,400	251,900*	49.7	370.7	140,200	236,500*	55.3	378.4	118,300	221,200*	205
210	41.5	352.3	155,900	244,300*	48.0	366.2	134,400	229,300*	53.7	374.7	113,000	214,400*	210
215	39.5	346.3	149,700	237,000*	46.2	361.4	128,800	222,400*	52.0	370.8	108,000	207,900*	215
220	37.3	339.8	143,800	230,100*	44.3	356.2	123,400	215,800*	50.3	366.7	103,200	201,700*	220
225	35.1	332.7	138,100	223,400*	42.4	350.8	118,300	209,500*	48.6	362.3	98,600	195,800*	225
230	32.7	325.0	132,600	217,000*	40.4	344.9	113,400	203,500*	46.8	357.6	94,200	190,100*	230
235	30.1	316.5	127,300	210,800*	38.3	338.6	108,600	197,700*	45.0	352.6	90,000	184,600*	235
240	27.3	307.1	122,100	204,800*	36.1	331.8	104,100	192,100*	43.0	347.2	85,900	179,300*	240
245	24.2	296.3	117,100	199,000*	33.7	324.4	99,700	186,700*	41.1	341.5	82,000	174,200*	245
250	20.7	283.7	112,200	193,300*	31.3	316.3	95,400	181,400*	39.0	335.4	78,200	169,300*	250
260	10.4	245.6	102,100	182,200*	25.6	297.2	87,200	171,500*	34.6	321.6	71,000	160,000*	260
270					18.4	271.3	79,200	162,000*	29.5	305.1	64,200	151,300*	270
280					3.5	215.0	70,000	152,000*	23.5	284.2	57,700	143,000*	280
290									15.3	254.5	51,100	135,000*	290

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
599,300 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, 240 ft Luffing Jib

Jib Oper. Rad. Feet	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	
130	69.6	432.7	317,500	428,500*									130
135	68.3	430.7	301,000	410,500*									135
140	67.0	428.6	285,800	393,700*									140
145	65.7	426.3	271,800	378,100*									145
150	64.3	423.9	258,700	363,500*									150
155	63.0	421.3	246,500	349,800*									155
160	61.6	418.6	235,200	336,900*									160
165	60.3	415.7	224,500	324,800*	64.9	420.9	195,500	305,000*					165
170	58.9	412.7	214,500	313,400*	63.6	418.4	186,400	294,200*					170
175	57.4	409.5	205,100	302,600*	62.2	415.8	177,900	284,000*					175
180	56.0	406.1	196,300	292,500*	60.9	413.0	169,900	274,400*					180
185	54.5	402.6	187,900	282,800*	59.5	410.0	162,400	265,200*					185
190	53.0	398.8	180,000	273,600*	58.1	406.9	155,200	256,500*					190
195	51.5	394.8	172,500	264,900*	56.6	403.6	148,400	248,300*					195
200	50.0	390.6	165,400	256,600*	55.2	400.1	142,000	240,400*	60.0	405.6	118,900	224,400*	200
205	48.4	386.2	158,700	248,700*	53.7	396.4	135,900	232,900*	58.6	402.5	113,500	217,300*	205
210	46.7	381.5	152,200	241,200*	52.2	392.5	130,100	225,800*	57.1	399.3	108,200	210,600*	210
215	45.0	376.5	146,100	233,900*	50.6	388.4	124,500	218,900*	55.7	395.9	103,300	204,100*	215
220	43.3	371.2	140,200	227,000*	49.1	384.1	119,200	212,400*	54.2	392.2	98,500	198,000*	220
225	41.5	365.5	134,600	220,400*	47.4	379.5	114,200	206,200*	52.7	388.4	94,000	192,100*	225
230	39.6	359.5	129,200	214,100*	45.8	374.6	109,300	200,200*	51.2	384.4	89,700	186,400*	230
235	37.7	353.1	124,100	208,000*	44.1	369.5	104,700	194,400*	49.6	380.1	85,500	181,000*	235
240	35.7	346.2	119,100	202,100*	42.3	364.0	100,200	188,900*	48.0	375.6	81,500	175,700*	240
245	33.5	338.7	114,300	196,500*	40.4	358.2	95,900	183,600*	46.4	370.9	77,700	170,700*	245
250	31.2	330.6	109,600	191,000*	38.5	351.9	91,800	178,400*	44.7	365.8	74,000	165,900*	250
260	26.1	311.7	100,800	180,600*	34.4	338.0	83,900	168,700*	41.1	354.8	67,000	156,700*	260
270	19.8	287.1	92,200	170,800*	29.9	321.6	76,500	159,600*	37.3	342.1	60,400	148,200*	270
280	10.0	247.2	83,500	161,100*	24.5	301.4	69,400	151,000*	33.0	327.5	54,200	140,200*	280
290					17.6	274.3	62,500	142,700*	28.2	310.0	48,300	132,600*	290
300					3.3	215.4	54,400	133,900*	22.5	288.2	42,600	125,400*	300
310									14.6	256.9	36,800	118,300*	310

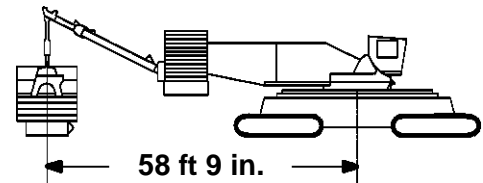


Liftcrane Luffing Jib Capacities

**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
599,300 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

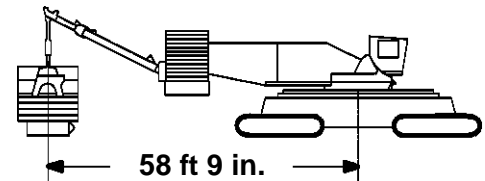
Jib Oper. Rad. Feet	80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing 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	
135	70.0	452.2	296,300	404,500*									135
140	68.8	450.3	281,100	389,500*									140
145	67.6	448.2	267,100	373,900*									145
150	66.4	446.0	254,000	359,300*									150
155	65.2	443.7	241,900	345,700*									155
160	64.0	441.2	230,500	332,900*									160
165	62.8	438.7	219,900	320,800*									165
170	61.5	435.9	209,900	309,400*									170
175	60.2	433.1	200,600	298,700*	64.5	438.3	172,500	279,600*					175
180	59.0	430.0	191,700	288,500*	63.3	435.8	164,600	269,900*					180
185	57.6	426.9	183,400	278,900*	62.1	433.1	157,100	260,800*					185
190	56.3	423.5	175,500	269,800*	60.8	430.3	150,000	252,200*					190
195	55.0	420.0	168,100	261,100*	59.5	427.4	143,200	244,000*					195
200	53.6	416.3	161,000	252,800*	58.2	424.2	136,900	236,200*					200
205	52.2	412.4	154,300	245,000*	56.9	421.0	130,800	228,700*					205
210	50.8	408.4	147,900	237,500*	55.6	417.5	125,000	221,600*	60.0	422.9	102,500	206,000*	210
215	49.3	404.1	141,800	230,300*	54.2	413.9	119,500	214,800*	58.7	419.9	97,600	199,600*	215
220	47.8	399.5	136,000	223,400*	52.8	410.1	114,300	208,400*	57.4	416.6	92,900	193,500*	220
225	46.3	394.8	130,400	216,900*	51.4	406.1	109,300	202,200*	56.0	413.3	88,500	187,600*	225
230	44.8	389.7	125,100	210,600*	50.0	401.9	104,500	196,200*	54.7	409.7	84,200	182,000*	230
235	43.2	384.4	120,000	204,500*	48.5	397.5	99,900	190,500*	53.3	406.0	80,100	176,600*	235
240	41.5	378.8	115,100	198,700*	47.0	392.8	95,500	185,000*	51.9	402.1	76,100	171,500*	240
245	39.8	372.8	110,400	193,200*	45.4	387.9	91,300	179,700*	50.5	397.9	72,400	166,500*	245
250	38.0	366.4	105,900	187,800*	43.9	382.7	87,200	174,700*	49.0	393.6	68,700	161,700*	250
260	34.2	352.3	97,300	177,600*	40.5	371.4	79,500	165,100*	46.0	384.2	61,900	152,700*	260
270	29.9	335.9	89,200	168,100*	36.9	358.6	72,300	156,100*	42.8	373.7	55,500	144,200*	270
280	25.0	316.1	81,600	159,100*	33.0	343.9	65,500	147,700*	39.4	361.9	49,500	136,400*	280
290	19.0	290.4	74,200	150,500*	28.6	326.7	59,100	139,800*	35.7	348.6	43,800	129,000*	290
300	9.5	248.8	66,500	142,000*	23.5	305.5	53,000	132,300*	31.7	333.1	38,500	122,000*	300
310					16.9	277.2	46,900	125,100*	27.1	314.8	33,400	115,400*	310
320					3.1	215.8	39,700	117,300*	21.5	291.9	28,400	109,000*	320
330									14.0	259.3	23,200	102,800*	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
599,300 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	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	
145	69.3	469.8	264,500	353,900*									145
150	68.2	467.8	251,400	353,900*									150
155	67.1	465.7	239,100	342,300*									155
160	66.0	463.4	227,700	329,500*									160
165	64.9	461.1	217,000	317,500*									165
170	63.7	458.6	207,000	306,100*									170
175	62.6	456.0	197,500	295,400*									175
180	61.4	453.3	188,700	285,300*									180
185	60.2	450.4	180,300	275,700*	64.2	455.7	153,400	257,300*					185
190	59.0	447.4	172,400	266,600*	63.1	453.1	146,300	248,700*					190
195	57.8	444.2	164,900	257,900*	61.9	450.4	139,500	240,500*					195
200	56.6	440.9	157,800	249,700*	60.7	447.6	133,200	232,700*					200
205	55.3	437.5	151,100	241,900*	59.5	444.7	127,100	225,300*					205
210	54.1	433.8	144,700	234,400*	58.3	441.6	121,300	218,200*					210
215	52.8	430.0	138,600	227,200*	57.1	438.4	115,800	211,500*					215
220	51.5	426.0	132,800	220,400*	55.9	435.0	110,600	205,000*	60.0	440.2	88,700	189,900*	220
225	50.2	421.9	127,200	213,900*	54.6	431.4	105,600	198,900*	58.8	437.2	84,300	184,100*	225
230	48.8	417.5	121,900	207,600*	53.4	427.7	100,800	192,900*	57.5	434.0	80,000	178,500*	230
235	47.4	412.9	116,900	201,600*	52.1	423.8	96,200	187,300*	56.3	430.7	75,900	173,100*	235
240	46.0	408.1	112,000	195,900*	50.7	419.7	91,800	181,800*	55.1	427.2	72,000	168,000*	240
245	44.5	403.0	107,300	190,300*	49.4	415.4	87,600	176,600*	53.8	423.5	68,300	163,000*	245
250	43.0	397.6	102,800	185,000*	48.0	410.9	83,600	171,500*	52.5	419.7	64,700	158,300*	250
260	39.9	386.0	94,300	174,900*	45.2	401.2	76,000	162,000*	49.9	411.4	57,900	149,300*	260
270	36.5	373.0	86,400	165,500*	42.2	390.5	68,900	153,200*	47.1	402.4	51,500	141,000*	270
280	32.9	358.2	79,000	156,700*	39.0	378.5	62,200	144,900*	44.2	392.3	45,600	133,200*	280
290	28.8	341.0	72,000	148,400*	35.5	365.0	56,000	137,100*	41.1	381.2	40,100	125,900*	290
300	24.1	320.3	65,300	138,500*	31.8	349.6	50,100	129,800*	37.9	368.8	34,900	119,100*	300
310	18.3	293.5	58,800	129,200*	27.5	331.5	44,500	122,900*	34.3	354.7	30,000	112,600*	310
320	9.2	250.3	52,100	121,900*	22.6	309.5	39,100	116,300*	30.5	338.6	25,300	106,500*	320
330					16.2	280.0	33,700	109,900*	26.0	319.4	20,800	100,600*	330
340					3.0	216.1	27,300	102,900*	20.7	295.5	16,300	95,000*	340
350									13.5	261.6	11,800	89,400*	350

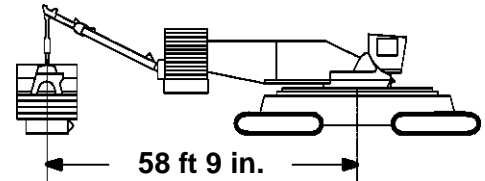


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
599,300 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

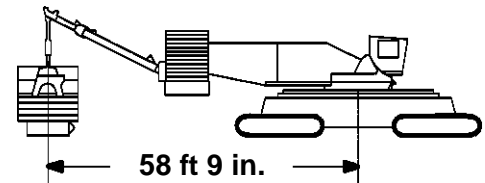
Jib Oper. Rad. Feet	80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing 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	
150	69.8	489.3	246,500	308,000*									150
155	68.7	487.4	234,200	308,000*									155
160	67.7	485.3	222,800	308,000*									160
165	66.7	483.1	212,100	302,900*									165
170	65.6	480.9	202,100	294,800*									170
175	64.5	478.5	192,700	286,100*									175
180	63.5	476.0	183,900	277,300*									180
185	62.4	473.3	175,500	268,400*									185
190	61.3	470.6	167,600	259,600*	65.0	475.5	140,800	244,200*					190
195	60.2	467.7	160,200	250,900*	63.9	473.0	134,100	236,100*					195
200	59.1	464.7	153,100	242,200*	62.9	470.5	127,800	228,400*					200
205	58.0	461.6	146,400	233,400*	61.8	467.8	121,700	221,000*					205
210	56.8	458.3	140,000	225,000*	60.7	465.0	116,000	213,900*					210
215	55.7	454.9	134,000	216,700*	59.6	462.0	110,500	207,200*					215
220	54.5	451.3	128,200	208,600*	58.5	458.9	105,300	200,800*					220
225	53.3	447.6	122,600	200,700*	57.3	455.7	100,400	194,700*					225
230	52.1	443.7	117,400	193,000*	56.2	452.4	95,600	188,800*	60.0	457.5	74,300	173,900*	230
235	50.9	439.6	112,300	185,500*	55.0	448.8	91,100	183,100*	58.8	454.5	70,200	168,600*	235
240	49.6	435.3	107,500	178,200*	53.8	445.2	86,700	177,700*	57.7	451.4	66,400	163,500*	240
245	48.3	430.9	102,800	171,100*	52.6	441.4	82,600	172,500*	56.6	448.0	62,700	158,600*	245
250	47.0	426.2	98,400	164,200*	51.4	437.4	78,600	167,500*	55.4	444.6	59,100	153,900*	250
260	44.3	416.2	90,000	151,000*	48.9	428.8	71,000	158,100*	53.0	437.2	52,400	145,000*	260
270	41.5	405.2	82,100	138,700*	46.3	419.5	64,000	149,300*	50.6	429.2	46,100	136,700*	270
280	38.5	393.0	74,900	127,100*	43.5	409.2	57,500	141,100*	48.0	420.4	40,400	129,000*	280
290	35.2	379.4	68,000	116,300*	40.6	397.9	51,400	133,400*	45.4	410.7	34,900	121,800*	290
300	31.7	363.9	61,600	106,200*	37.6	385.3	45,700	124,900*	42.6	400.2	29,900	115,000*	300
310	27.8	345.9	55,500	96,800*	34.3	371.2	40,200	114,300*	39.7	388.5	25,100	108,700*	310
320	23.2	324.4	49,600	88,100*	30.6	355.1	35,100	104,300*	36.5	375.4	20,500	102,700*	320
330	17.6	296.6	43,900	80,200*	26.6	336.2	30,200	95,100*	33.1	360.7	16,200	97,000*	330
340	8.8	251.8	37,800	73,900*	21.8	313.3	25,400	86,700*	29.4	343.8	12,100	91,600*	340
350					15.6	282.6	20,600	79,100*	25.1	323.8	8,100	86,400*	350
360					2.8	216.5	14,700	73,700*	20.0	299.0	4,100	81,400*	360
370									13.0	263.8		76,300*	370

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
599,300 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, 120 ft Luffing Jib

Jib Oper. Rad. Feet	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	
95				^c									95
100	65.1	336.2	466,600	589,100* ^b									100
105	62.4	333.5	438,300	559,300* ^b									105
110	59.7	330.6	412,800	532,000* ^b									110
115	56.8	327.3	389,600	507,000* ^b									115
120	53.8	323.6	368,500	484,100* ^b	64.5	331.2	329,100	457,700* ^b					120
125	50.8	319.5	349,100	462,800*	61.8	328.5	311,700	437,600* ^b					125
130	47.5	315.0	331,200	443,100*	59.0	325.5	295,600	419,100* ^b					130
135	44.1	309.8	314,600	424,800*	56.1	322.1	280,800	401,800* ^b					135
140	40.4	304.0	299,200	407,700*	53.2	318.4	267,000	385,700* ^b					140
145	36.5	297.4	284,800	391,600*	50.0	314.2	254,200	370,600*					145
150	32.0	289.6	271,200	376,500*	46.8	309.5	242,200	356,500*	58.1	318.4	212,400	336,100* ^b	150
155	26.9	280.1	258,300	362,100*	43.3	304.2	231,000	343,200*	55.2	315.0	202,500	323,600* ^b	155
160	20.6	267.9	245,800	348,400*	39.6	298.2	220,400	330,700*	52.2	311.1	193,100	311,900* ^b	160
165	10.8	248.0	232,800	334,700*	35.5	291.3	210,300	318,800*	49.0	306.7	184,300	300,800*	165
170					31.0	283.2	200,600	307,500*	45.7	301.8	175,900	290,300*	170
175					25.6	273.2	191,300	296,600*	42.1	296.4	168,000	280,300*	175
180					18.9	260.0	182,000	286,000*	38.3	290.1	160,400	270,800*	180
185					6.4	234.4	171,500	274,900*	34.1	282.9	153,100	261,700*	185
190									29.4	274.2	146,100	253,000*	190
195									23.7	263.5	139,100	244,500*	195
200									16.1	248.4	131,900	236,100*	200

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

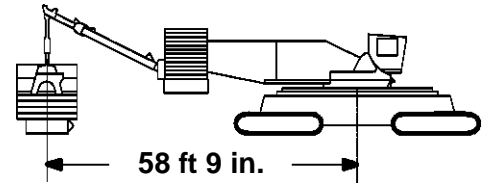
Do not luff into area indicated by (c) with 37,000 lb minimum weight (see CAUTION on page 1).

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
599,300 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	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	
100	68.9	358.1	463,900	585,100*b									100
105	66.7	356.0	435,600	555,400*b									105
110	64.4	353.5	410,100	528,300*b									110
115	62.1	350.9	387,000	503,500*b									115
120	59.7	347.9	366,000	480,600*b									120
125	57.3	344.7	346,700	459,600*									125
130	54.8	341.1	329,000	440,100*	63.9	348.6	291,400	414,800*b					130
135	52.2	337.3	312,600	421,900*	61.6	345.8	276,800	397,700*b					135
140	49.5	333.0	297,400	405,000*	59.2	342.8	263,200	381,800*b					140
145	46.7	328.3	283,300	389,200*	56.7	339.5	250,500	366,900*					145
150	43.7	323.1	270,200	374,400*	54.2	335.9	238,700	352,900*					150
155	40.6	317.3	257,800	360,500*	51.6	331.9	227,700	339,900*					155
160	37.2	310.8	246,200	347,400*	48.9	327.6	217,400	327,500*	58.4	335.8	188,300	307,600*b	160
165	33.6	303.4	235,200	335,000*	46.0	322.7	207,700	315,900*	55.9	332.4	179,700	296,700*	165
170	29.5	294.8	224,700	323,200*	43.0	317.4	198,500	304,900*	53.4	328.7	171,600	286,300*	170
175	24.8	284.4	214,600	311,900*	39.8	311.5	189,700	294,500*	50.7	324.6	163,900	276,600*	175
180	19.0	271.0	204,800	300,900*	36.4	304.8	181,500	284,600*	48.0	320.1	156,600	267,300*	180
185	9.9	249.5	194,400	290,000*	32.7	297.1	173,500	275,100*	45.1	315.1	149,700	258,500*	185
190					28.5	288.2	165,900	266,000*	42.0	309.6	143,100	250,100*	190
195					23.6	277.3	158,400	257,300*	38.8	303.4	136,800	242,100*	195
200					17.4	262.9	150,900	248,700*	35.3	296.4	130,700	234,400*	200
205					5.8	235.1	142,200	239,500*	31.4	288.4	124,900	227,000*	205
210									27.0	279.0	119,100	219,900*	210
215									21.8	267.2	113,400	212,900*	215
220									14.8	250.8	107,400	205,900*	220

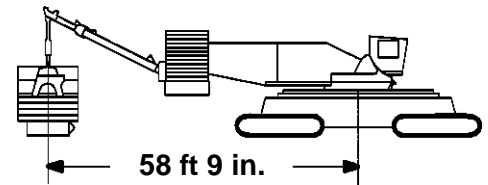
Capacities indicated by **(b)** require 37,000 lb minimum weight suspended beneath luffing jib point.

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
599,300 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	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	
105	69.8	377.7	433,000	552,300* b									105
110	67.8	375.6	407,500	525,300* b									110
115	65.9	373.4	384,500	500,600* b									115
120	63.9	370.9	363,500	477,900* b									120
125	61.8	368.2	344,300	456,900*									125
130	59.7	365.2	326,700	437,500*									130
135	57.6	362.1	310,400	419,500*									135
140	55.4	358.6	295,400	402,700*	63.4	365.9	259,800	378,700* b					140
145	53.2	354.9	281,500	387,100*	61.4	363.1	247,300	363,900*					145
150	50.9	350.8	268,500	372,400*	59.3	360.1	235,600	350,100*					150
155	48.5	346.4	256,300	358,700*	57.1	356.9	224,800	337,100*					155
160	46.0	341.5	244,900	345,700*	54.9	353.4	214,600	324,900*					160
165	43.4	336.3	234,200	333,500*	52.7	349.6	205,000	313,400*					165
170	40.7	330.5	224,100	322,000*	50.4	345.4	196,000	302,600*	58.6	353.1	168,000	283,200*	170
175	37.8	324.1	214,600	311,000*	48.0	340.9	187,500	292,300*	56.4	349.8	160,400	273,600*	175
180	34.7	317.0	205,500	300,600*	45.4	336.0	179,500	282,600*	54.2	346.2	153,300	264,400*	180
185	31.3	308.9	196,800	290,700*	42.8	330.6	171,900	273,300*	52.0	342.3	146,600	255,800*	185
190	27.5	299.6	188,500	281,200*	40.1	324.7	164,600	264,500*	49.6	338.0	140,200	247,500*	190
195	23.1	288.4	180,400	272,100*	37.1	318.2	157,600	256,100*	47.2	333.4	134,100	239,700*	195
200	17.6	274.0	172,500	263,200*	33.9	310.9	151,000	248,100*	44.6	328.3	128,300	232,200*	200
205	9.2	250.9	164,000	254,200*	30.4	302.5	144,600	240,400*	42.0	322.8	122,700	225,000*	205
210					26.5	292.9	138,300	232,900*	39.1	316.7	117,400	218,200*	210
215					22.0	281.1	132,200	225,700*	36.1	309.9	112,200	211,600*	215
220					16.1	265.6	126,000	218,600*	32.9	302.3	107,300	205,200*	220
225					5.3	235.8	118,800	210,900*	29.3	293.6	102,400	199,100*	225
230									25.2	283.4	97,600	193,100*	230
235									20.3	270.7	92,900	187,300*	235
240									13.7	253.1	87,900	181,300*	240

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



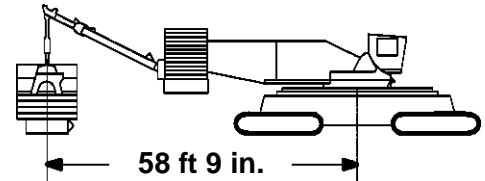
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
 Boom No. 80 With 140 ft Mast No. 81
 458,700 lb Crane Counterweight
 200,000 lb Carbody Counterweight
 599,300 lb Hanging Counterweight
 at 58 ft 9 in. Position

Meets
 ANSI B30.5
 Requirements



Narrow or Wide Crawler Arrangement - 360 Degree Rating

220 ft Boom, 180 ft Luffing Jib

Jib Oper. Rad. Feet	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	
115	68.7	395.2	380,000	496,300* ^b									115
120	67.0	393.1	359,100	473,600* ^b									120
125	65.2	390.7	339,900	452,800*									125
130	63.4	388.2	322,400	433,500*									130
135	61.6	385.5	306,200	415,500*									135
140	59.8	382.6	291,300	398,900*									140
145	57.9	379.4	277,400	383,300*	64.8	385.8	242,000	359,300*					145
150	56.0	376.0	264,500	368,700*	63.0	383.2	230,400	345,600*					150
155	54.0	372.4	252,400	355,100*	61.2	380.5	219,600	332,700*					155
160	52.0	368.5	241,200	342,200*	59.4	377.5	209,600	320,600*					160
165	49.9	364.3	230,600	330,100*	57.5	374.3	200,100	309,200*					165
170	47.8	359.7	220,700	318,700*	55.5	370.8	191,200	298,500*					170
175	45.5	354.8	211,300	307,900*	53.6	367.1	182,800	288,300*					175
180	43.2	349.5	202,400	297,700*	51.5	363.1	174,900	278,700*	58.8	370.5	147,700	259,800*	180
185	40.8	343.7	194,000	287,900*	49.4	358.9	167,500	269,500*	56.9	367.2	141,000	251,300*	185
190	38.2	337.5	186,000	278,700*	47.3	354.2	160,400	260,900*	54.9	363.7	134,800	243,100*	190
195	35.5	330.5	178,400	269,900*	45.0	349.3	153,600	252,600*	52.9	359.9	128,800	235,400*	195
200	32.6	322.8	171,100	261,400*	42.7	343.9	147,200	244,700*	50.9	355.8	123,200	228,000*	200
205	29.4	314.1	164,100	253,300*	40.2	338.0	141,000	237,200*	48.7	351.4	117,800	220,900*	205
210	25.8	304.1	157,300	245,600*	37.6	331.5	135,200	230,000*	46.5	346.7	112,600	214,200*	210
215	21.7	292.1	150,700	238,000*	34.9	324.4	129,500	223,100*	44.3	341.6	107,700	207,800*	215
220	16.6	276.8	144,100	230,600*	31.9	316.5	124,000	216,400*	41.9	336.0	102,900	201,600*	220
225	8.6	252.2	137,000	223,100*	28.6	307.6	118,700	210,000*	39.4	330.0	98,400	195,600*	225
230					24.9	297.2	113,600	203,800*	36.8	323.3	93,900	189,900*	230
235					20.6	284.6	108,500	197,700*	33.9	316.0	89,700	184,400*	235
240					15.1	268.1	103,200	191,700*	30.9	307.8	85,500	179,100*	240
245					4.9	236.4	97,100	185,100*	27.5	298.4	81,500	173,900*	245
250									23.7	287.5	77,500	168,800*	250
260									12.9	255.2	69,100	158,800*	260

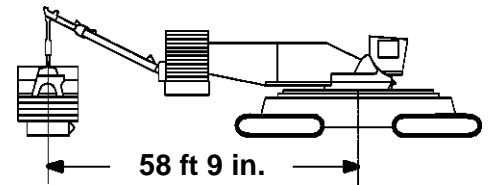
Capacities indicated by **(b)** require 37,000 lb minimum weight suspended beneath luffing jib point.

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
599,300 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	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	
120	69.4	414.7	356,800	470,300*									120
125	67.9	412.7	337,600	449,500*									125
130	66.3	410.5	319,900	430,300*									130
135	64.7	408.1	303,700	412,400*									135
140	63.1	405.5	288,700	395,800*									140
145	61.5	402.8	274,800	380,300*									145
150	59.8	399.9	261,900	365,800*									150
155	58.1	396.8	249,900	352,200*	64.3	403.1	216,200	329,300*					155
160	56.4	393.4	238,600	339,400*	62.7	400.5	206,100	317,200*					160
165	54.6	389.9	228,100	327,300*	61.1	397.8	196,700	305,900*					165
170	52.8	386.1	218,200	316,000*	59.4	394.8	187,900	295,200*					170
175	51.0	382.0	208,900	305,300*	57.7	391.6	179,500	285,100*					175
180	49.1	377.7	200,100	295,100*	56.0	388.2	171,700	275,600*					180
185	47.1	373.0	191,800	285,500*	54.2	384.6	164,300	266,500*					185
190	45.1	368.1	183,900	276,300*	52.4	380.8	157,200	257,900*	58.9	387.8	130,800	239,700*	190
195	43.0	362.7	176,400	267,600*	50.6	376.7	150,600	249,700*	57.2	384.6	125,000	232,000*	195
200	40.8	357.0	169,300	259,300*	48.7	372.3	144,200	241,900*	55.4	381.1	119,400	224,700*	200
205	38.6	350.7	162,500	251,400*	46.7	367.6	138,200	234,500*	53.7	377.4	114,000	217,700*	205
210	36.1	344.0	156,000	243,800*	44.7	362.5	132,400	227,400*	51.8	373.5	109,000	211,000*	210
215	33.6	336.5	149,700	236,500*	42.5	357.1	126,900	220,600*	50.0	369.3	104,100	204,700*	215
220	30.8	328.3	143,700	229,600*	40.3	351.2	121,600	214,100*	48.0	364.8	99,500	198,600*	220
225	27.8	319.0	137,900	222,800*	38.0	344.9	116,600	207,800*	46.0	360.0	95,000	192,700*	225
230	24.4	308.4	132,300	216,300*	35.6	338.0	111,700	201,800*	44.0	354.8	90,800	187,100*	230
235	20.5	295.7	126,700	210,000*	33.0	330.3	107,000	196,000*	41.8	349.2	86,700	181,700*	235
240	15.6	279.5	121,100	203,700*	30.1	321.9	102,400	190,400*	39.6	343.2	82,700	176,500*	240
245	8.1	253.5	115,100	197,300*	27.1	312.3	97,900	185,000*	37.3	336.7	78,900	171,500*	245
250					23.6	301.3	93,500	179,700*	34.8	329.6	75,200	166,700*	250
260					14.3	270.5	84,700	169,400*	29.2	313.0	68,000	157,500*	260
270									22.4	291.4	61,100	148,700*	270
280									12.2	257.2	53,900	140,000*	280

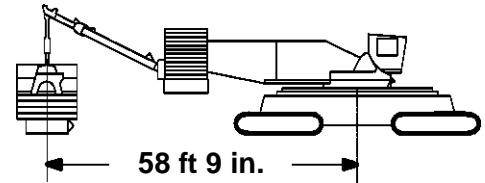


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
599,300 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

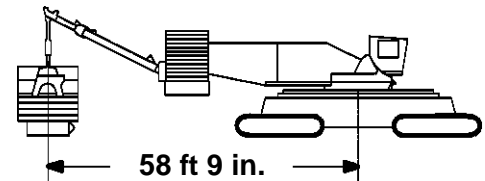
Jib Oper. Rad. Feet	80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing 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	
125	70.0	434.3	332,800	445,100*									125
130	68.6	432.3	315,200	425,900*									130
135	67.2	430.2	299,000	408,100*									135
140	65.7	427.9	284,000	391,500*									140
145	64.3	425.5	270,100	376,100*									145
150	62.8	422.9	257,300	361,600*									150
155	61.3	420.1	245,300	348,100*									155
160	59.8	417.2	234,100	335,400*									160
165	58.3	414.1	223,600	323,400*	63.9	420.5	191,200	301,300*					165
170	56.7	410.8	213,700	312,100*	62.5	417.9	182,400	290,700*					170
175	55.1	407.3	204,500	301,400*	61.0	415.1	174,200	280,600*					175
180	53.5	403.6	195,700	291,300*	59.5	412.1	166,400	271,200*					180
185	51.9	399.7	187,500	281,800*	57.9	409.0	159,000	262,200*					185
190	50.2	395.5	179,700	272,700*	56.4	405.6	152,100	253,600*					190
195	48.4	391.1	172,300	264,000*	54.8	402.1	145,500	245,500*					195
200	46.6	386.4	165,200	255,800*	53.1	398.4	139,200	237,800*	59.0	405.1	113,500	220,000*	200
205	44.8	381.3	158,500	248,000*	51.5	394.4	133,300	230,400*	57.4	401.9	108,300	213,100*	205
210	42.9	376.0	152,100	240,500*	49.8	390.1	127,600	223,400*	55.9	398.5	103,300	206,500*	210
215	40.9	370.2	146,000	233,300*	48.0	385.6	122,200	216,700*	54.3	394.9	98,500	200,200*	215
220	38.8	364.0	140,200	226,400*	46.2	380.9	117,000	210,200*	52.6	391.1	94,000	194,200*	220
225	36.7	357.4	134,600	219,800*	44.4	375.8	112,000	204,100*	50.9	387.0	89,600	188,400*	225
230	34.4	350.1	129,200	213,500*	42.4	370.3	107,300	198,100*	49.2	382.7	85,400	182,800*	230
235	31.9	342.2	124,000	207,400*	40.4	364.5	102,700	192,500*	47.5	378.1	81,400	177,500*	235
240	29.3	333.5	119,000	201,500*	38.3	358.2	98,300	187,000*	45.6	373.2	77,600	172,400*	240
245	26.4	323.7	114,100	195,800*	36.1	351.4	94,100	181,700*	43.8	368.0	73,900	167,500*	245
250	23.2	312.4	109,300	190,300*	33.8	344.0	89,900	176,600*	41.8	362.5	70,300	162,800*	250
260	14.9	282.0	99,800	179,600*	28.7	327.0	82,100	166,900*	37.7	350.1	63,500	153,800*	260
270					22.4	305.2	74,500	157,700*	33.1	335.5	57,100	145,400*	270
280					13.6	272.8	66,900	148,800*	27.8	317.9	51,000	137,400*	280
290									21.3	295.0	45,000	129,800*	290
300									11.6	259.1	38,700	122,200*	300

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
599,300 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, 240 ft Luffing Jib

Jib Oper. Rad. Feet	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	
135	69.2	451.8	294,800	404,300*									135
140	67.9	449.8	279,800	387,800*									140
145	66.6	447.6	266,000	372,400*									145
150	65.3	445.3	253,100	358,000*									150
155	63.9	442.8	241,100	344,400*									155
160	62.6	440.2	229,900	331,700*									160
165	61.2	437.5	219,400	319,800*									165
170	59.8	434.5	209,600	308,600*	65.0	440.3	177,700	286,800*					170
175	58.4	431.5	200,400	297,900*	63.6	437.9	169,500	276,800*					175
180	57.0	428.2	191,700	287,900*	62.3	435.2	161,700	267,300*					180
185	55.6	424.8	183,400	278,300*	60.9	432.4	154,400	258,400*					185
190	54.1	421.1	175,700	269,300*	59.5	429.5	147,500	249,900*					190
195	52.6	417.3	168,300	260,700*	58.1	426.3	140,900	241,800*					195
200	51.0	413.2	161,300	252,500*	56.7	423.0	134,700	234,100*					200
205	49.5	409.0	154,700	244,700*	55.2	419.6	128,800	226,800*					205
210	47.9	404.5	148,300	237,200*	53.7	415.9	123,200	219,800*	59.1	422.5	98,300	202,500*	210
215	46.2	399.7	142,300	230,100*	52.2	412.0	117,800	213,100*	57.7	419.3	93,600	196,300*	215
220	44.5	394.6	136,500	223,300*	50.7	407.9	112,700	206,700*	56.2	415.9	89,100	190,300*	220
225	42.8	389.2	131,000	216,800*	49.1	403.6	107,800	200,600*	54.8	412.4	84,800	184,600*	225
230	40.9	383.5	125,700	210,500*	47.5	399.0	103,100	194,700*	53.3	408.6	80,700	179,100*	230
235	39.0	377.3	120,600	204,500*	45.8	394.1	98,600	189,100*	51.7	404.7	76,700	173,800*	235
240	37.1	370.7	115,700	198,700*	44.1	389.0	94,300	183,700*	50.2	400.5	73,000	168,700*	240
245	35.0	363.7	111,000	193,200*	42.3	383.5	90,100	178,500*	48.6	396.1	69,300	163,900*	245
250	32.8	356.0	106,500	187,800*	40.5	377.7	86,100	173,500*	47.0	391.5	65,800	159,200*	250
260	28.0	338.4	97,800	177,600*	36.6	364.8	78,500	163,900*	43.6	381.3	59,200	150,300*	260
270	22.2	316.3	89,500	167,900*	32.3	349.8	71,400	155,100*	39.9	369.7	53,000	142,000*	270
280	14.2	284.4	81,300	158,600*	27.4	331.8	64,600	146,700*	36.0	356.5	47,100	134,300*	280
290					21.4	308.9	58,100	138,700*	31.6	341.1	41,600	127,000*	290
300					13.0	275.0	51,400	130,900*	26.5	322.5	36,300	120,100*	300
310									20.3	298.5	31,100	113,400*	310
320									11.0	260.9	25,500	106,700*	320



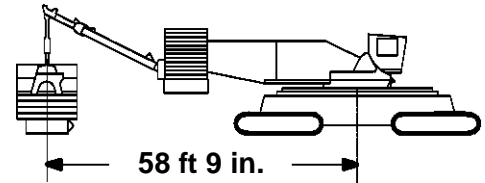
Liftcrane Luffing Jib Capacities

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
599,300 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

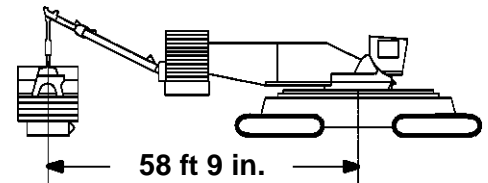
Jib Oper. Rad. Feet	80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing 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	
140	69.7	471.4	274,900	380,400*									140
145	68.5	469.4	261,100	368,100*									145
150	67.3	467.2	248,200	353,700*									150
155	66.1	465.0	236,300	340,200*									155
160	64.9	462.7	225,100	327,600*									160
165	63.6	460.2	214,700	315,700*									165
170	62.4	457.5	204,900	304,500*									170
175	61.1	454.8	195,600	293,900*									175
180	59.8	451.9	187,000	283,800*	64.6	457.7	156,200	262,800*					180
185	58.6	448.8	178,800	274,300*	63.3	455.2	148,900	253,900*					185
190	57.2	445.6	171,000	265,300*	62.1	452.5	142,000	245,400*					190
195	55.9	442.2	163,700	256,800*	60.8	449.7	135,500	237,400*					195
200	54.6	438.6	156,700	248,600*	59.6	446.8	129,300	229,700*					200
205	53.2	434.9	150,100	240,900*	58.3	443.7	123,500	222,400*					205
210	51.8	430.9	143,800	233,500*	56.9	440.4	117,900	215,500*					210
215	50.3	426.8	137,800	226,400*	55.6	437.0	112,600	208,900*					215
220	48.9	422.4	132,100	219,600*	54.2	433.4	107,500	202,500*	59.1	439.8	83,300	185,600*	220
225	47.4	417.8	126,700	213,200*	52.9	429.6	102,700	196,400*	57.8	436.6	79,000	180,000*	225
230	45.9	413.0	121,400	206,900*	51.5	425.6	98,000	190,600*	56.5	433.3	75,000	174,500*	230
235	44.3	407.8	116,400	201,000*	50.0	421.4	93,600	185,000*	55.2	429.8	71,100	169,300*	235
240	42.7	402.4	111,600	195,300*	48.5	417.0	89,300	179,700*	53.8	426.2	67,400	164,300*	240
245	41.0	396.7	107,000	189,800*	47.0	412.3	85,200	174,500*	52.4	422.3	63,800	159,500*	245
250	39.2	390.6	102,500	184,500*	45.5	407.4	81,300	169,600*	51.0	418.3	60,300	154,800*	250
260	35.5	377.1	94,100	174,400*	42.3	396.8	73,900	160,200*	48.1	409.5	53,800	146,100*	260
270	31.5	361.6	86,200	165,000*	38.8	384.8	66,900	151,400*	45.0	399.8	47,800	137,900*	270
280	26.8	343.1	78,700	156,200*	35.1	371.1	60,400	143,200*	41.7	388.9	42,100	130,300*	280
290	21.3	320.0	71,600	147,800*	31.0	355.3	54,300	135,500*	38.3	376.7	36,800	123,100*	290
300	13.6	286.6	64,400	139,700*	26.3	336.4	48,400	128,200*	34.5	362.7	31,800	116,400*	300
310					20.6	312.5	42,700	121,300*	30.3	346.5	27,000	110,000*	310
320					12.4	277.0	36,800	114,400*	25.4	327.0	22,300	103,900*	320
330									19.5	301.9	17,700	98,100*	330
340									10.6	262.6	12,800	92,100*	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
599,300 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	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	
150	69.0	488.9	245,500	334,000*									150
155	67.9	486.9	233,400	334,000*									155
160	66.8	484.7	222,100	324,100*									160
165	65.6	482.4	211,600	312,300*									165
170	64.5	480.0	201,800	301,100*									170
175	63.4	477.5	192,500	290,500*									175
180	62.2	474.9	183,800	280,500*									180
185	61.0	472.1	175,600	271,100*									185
190	59.9	469.2	167,800	262,100*	64.3	475.1	138,200	241,800*					190
195	58.7	466.1	160,400	253,500*	63.1	472.5	131,600	233,800*					195
200	57.4	462.9	153,500	245,400*	61.9	469.9	125,500	226,200*					200
205	56.2	459.6	146,800	237,700*	60.8	467.0	119,600	218,900*					205
210	55.0	456.0	140,500	230,300*	59.6	464.1	114,000	212,000*					210
215	53.7	452.4	134,600	223,300*	58.4	461.0	108,700	205,400*					215
220	52.4	448.5	128,800	216,500*	57.2	457.8	103,700	199,100*					220
225	51.1	444.5	123,400	210,100*	55.9	454.4	98,800	193,100*					225
230	49.7	440.2	118,200	203,900*	54.7	450.8	94,200	187,300*	59.2	457.1	70,600	170,900*	230
235	48.4	435.8	113,200	198,000*	53.4	447.1	89,800	181,700*	58.0	454.0	66,700	165,700*	235
240	47.0	431.1	108,400	192,300*	52.1	443.2	85,500	176,400*	56.8	450.7	63,000	160,700*	240
245	45.5	426.2	103,800	186,800*	50.8	439.1	81,500	171,300*	55.5	447.3	59,500	155,900*	245
250	44.1	421.1	99,400	181,600*	49.4	434.9	77,600	166,300*	54.3	443.7	56,100	151,300*	250
260	41.0	409.9	91,000	171,600*	46.7	425.6	70,200	157,000*	51.7	435.9	49,600	142,600*	260
270	37.7	397.4	83,300	162,400*	43.7	415.5	63,300	148,400*	49.0	427.4	43,700	134,500*	270
280	34.2	383.3	76,000	153,700*	40.6	404.2	56,900	140,300*	46.2	418.1	38,100	127,000*	280
290	30.3	367.0	69,100	145,600*	37.3	391.5	50,900	132,700*	43.3	407.7	32,900	119,900*	290
300	25.8	347.7	62,600	137,900*	33.8	377.2	45,300	125,600*	40.1	396.2	28,000	113,300*	300
310	20.5	323.5	56,300	130,500*	29.8	360.6	39,900	118,900*	36.8	383.4	23,300	107,100*	310
320	13.1	288.9	50,000	123,300*	25.3	340.9	34,700	112,400*	33.2	368.7	18,900	101,200*	320
330					19.8	315.9	29,700	106,300*	29.1	351.7	14,700	95,500*	330
340					12.0	279.0	24,400	100,100*	24.5	331.3	10,600	90,100*	340
350									18.7	305.1	6,400	84,900*	350
360									10.1	264.3	2,000	79,600*	360



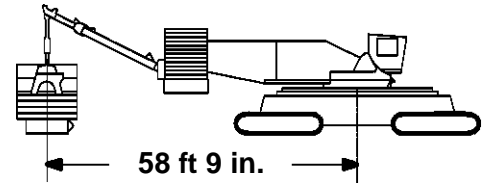
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
 Boom No. 80 With 140 ft Mast No. 81
 458,700 lb Crane Counterweight
 200,000 lb Carbody Counterweight
 599,300 lb Hanging Counterweight
 at 58 ft 9 in. Position

Meets
 ANSI B30.5
 Requirements



Narrow or Wide Crawler Arrangement - 360 Degree Rating

220 ft Boom, 300 ft Luffing Jib

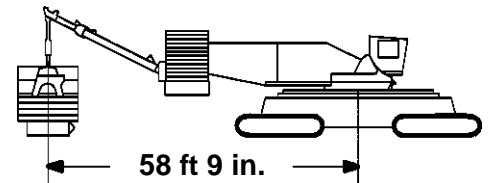
Jib Oper. Rad. Feet	80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing 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	
155	69.4	508.4	228,400	291,400*									155
160	68.4	506.4	217,100	291,400*									160
165	67.4	504.3	206,600	291,400*									165
170	66.3	502.1	196,800	291,400*									170
175	65.3	499.8	187,600	286,300*									175
180	64.2	497.4	178,800	276,400*									180
185	63.1	494.9	170,600	266,900*									185
190	62.1	492.2	162,900	258,000*									190
195	61.0	489.4	155,600	249,500*	65.0	494.9	126,000	229,300*					195
200	59.9	486.5	148,600	241,400*	64.0	492.4	119,900	221,700*					200
205	58.7	483.5	142,000	233,700*	62.9	489.9	114,100	214,500*					205
210	57.6	480.3	135,700	226,300*	61.8	487.2	108,500	207,600*					210
215	56.5	477.0	129,800	219,300*	60.7	484.4	103,300	201,000*					215
220	55.3	473.5	124,100	212,600*	59.6	481.4	98,200	194,700*					220
225	54.1	469.9	118,700	205,500*	58.5	478.4	93,400	188,700*					225
230	52.9	466.1	113,500	197,800*	57.4	475.1	88,900	183,000*					230
235	51.7	462.1	108,500	190,200*	56.2	471.8	84,500	177,500*					235
240	50.5	458.0	103,800	182,900*	55.0	468.3	80,300	172,200*	59.3	474.5	57,200	156,100*	240
245	49.2	453.7	99,200	175,800*	53.9	464.6	76,200	167,100*	58.1	471.3	53,700	151,300*	245
250	47.9	449.2	94,800	168,800*	52.7	460.8	72,400	162,200*	57.0	468.1	50,300	146,800*	250
260	45.3	439.5	86,500	155,500*	50.2	452.6	65,100	153,000*	54.7	461.1	44,000	138,200*	260
270	42.5	428.9	78,900	142,900*	47.6	443.7	58,300	144,400*	52.3	453.5	38,100	130,200*	270
280	39.5	417.1	71,700	131,100*	45.0	434.0	52,000	136,400*	49.8	445.3	32,600	122,700*	280
290	36.4	404.0	65,000	120,100*	42.2	423.2	46,100	128,900*	47.2	436.2	27,500	115,700*	290
300	33.0	389.2	58,700	109,700*	39.2	411.3	40,600	121,800*	44.5	426.3	22,700	109,200*	300
310	29.2	372.2	52,800	100,100*	36.0	398.0	35,400	115,200*	41.7	415.4	18,200	103,000*	310
320	24.9	352.1	47,100	91,200*	32.6	383.0	30,500	109,000*	38.7	403.3	13,900	97,200*	320
330	19.7	326.9	41,500	83,000*	28.7	365.7	25,700	100,100*	35.5	389.7	9,800	91,700*	330
340	12.6	291.0	35,800	75,900*	24.4	345.1	21,200	91,200*	32.0	374.4	5,900	86,500*	340
350					19.1	319.2	16,700	83,100*	28.1	356.7	2,200	81,500*	350
360					11.5	281.0	11,900	76,100*	23.6	335.4		76,700*	360
370									18.1	308.3		72,000*	370
380									9.8	265.9		67,200*	380

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
599,300 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	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	
95				c									95
100				c									100
105	64.3	355.1	431,700	552,600*b									105
110	61.6	352.4	406,500	525,700*b									110
115	58.8	349.3	383,600	501,000*b									115
120	55.9	345.9	362,800	478,300*b									120
125	52.9	342.1	343,600	457,300*b	64.6	350.6	301,700	429,100*b					125
130	49.8	337.9	326,000	437,900*	61.9	347.9	286,100	410,900*b					130
135	46.5	333.2	309,700	419,800*	59.1	344.9	271,700	393,900*b					135
140	43.0	327.8	294,600	402,900*	56.2	341.6	258,300	378,200*b					140
145	39.3	321.8	280,400	387,000*	53.3	337.8	245,900	363,400*b					145
150	35.2	314.8	267,100	372,100*	50.2	333.6	234,200	349,600*					150
155	30.6	306.6	254,500	358,100*	46.9	329.0	223,300	336,600*	59.2	338.4	191,200	314,500*b	155
160	25.2	296.5	242,400	344,700*	43.4	323.7	213,100	324,300*	56.3	335.1	182,300	303,100*b	160
165	18.2	282.8	230,600	331,700*	39.7	317.7	203,300	312,700*	53.3	331.3	173,900	292,300*b	165
170	2.9	251.2	216,700	317,800*	35.7	310.9	194,100	301,600*	50.2	327.2	165,900	282,100*	170
175					31.1	302.8	185,200	291,100*	46.9	322.5	158,400	272,400*	175
180					25.9	293.0	176,600	281,000*	43.5	317.2	151,200	263,200*	180
185					19.2	279.9	168,100	271,100*	39.8	311.3	144,400	254,500*	185
190					7.3	255.6	158,400	260,800*	35.7	304.5	137,700	246,100*	190
195									31.2	296.4	131,300	238,000*	195
200									25.9	286.6	125,000	230,200*	200
205									19.3	273.6	118,700	222,500*	205
210									7.7	249.8	111,200	214,200*	210

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

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



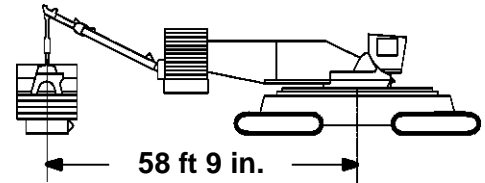
Liftcrane Luffing Jib Capacities

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
 599,300 lb Hanging Counterweight
 at 58 ft 9 in. Position

Meets
 ANSI B30.5
 Requirements



Narrow or Wide Crawler Arrangement - 360 Degree Rating

240 ft Boom, 140 ft Luffing Jib

Jib Oper. Rad. Feet	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	
105	68.2	377.2	428,600	548,400*b									105
110	66.0	374.9	403,500	521,700*b									110
115	63.7	372.4	380,700	497,200*b									115
120	61.4	369.7	359,900	474,600*b									120
125	59.0	366.7	340,900	453,800*b									125
130	56.5	363.3	323,400	434,500*									130
135	54.0	359.7	307,300	416,600*	64.0	368.0	267,100	389,500*b					135
140	51.4	355.7	292,300	400,000*	61.6	365.2	253,900	373,900*b					140
145	48.6	351.3	278,500	384,400*	59.3	362.2	241,700	359,300*b					145
150	45.8	346.4	265,500	369,700*	56.8	359.0	230,200	345,700*					150
155	42.8	341.1	253,400	356,000*	54.3	355.4	219,500	332,800*					155
160	39.6	335.1	241,900	343,100*	51.7	351.4	209,500	320,800*					160
165	36.2	328.3	231,100	330,800*	49.0	347.0	200,100	309,400*	59.3	355.8	168,700	287,800*b	165
170	32.4	320.6	220,900	319,200*	46.1	342.2	191,200	298,600*	56.8	352.5	161,000	277,800*	170
175	28.2	311.5	211,100	308,100*	43.1	336.9	182,800	288,400*	54.3	348.9	153,700	268,300*	175
180	23.2	300.5	201,600	297,500*	40.0	331.0	174,800	278,700*	51.7	344.9	146,700	259,300*	180
185	16.8	285.6	192,200	287,100*	36.6	324.4	167,100	269,500*	49.0	340.6	140,200	250,800*	185
190	2.5	251.2	180,900	275,800*	32.8	316.7	159,800	260,700*	46.2	335.8	133,900	242,600*	190
195					28.7	307.9	152,700	252,200*	43.2	330.5	127,900	234,900*	195
200					23.8	297.1	145,800	244,000*	40.0	324.6	122,200	227,400*	200
205					17.6	282.8	138,800	235,900*	36.6	317.9	116,700	220,300*	205
210					6.6	256.5	130,800	227,400*	32.9	310.3	111,300	213,400*	210
215									28.7	301.5	106,100	206,800*	215
220									23.9	290.7	100,900	200,300*	220
225									17.7	276.5	95,700	193,900*	225
230									7.0	250.8	89,400	187,000*	230

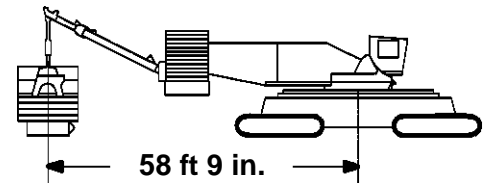
Capacities indicated by (b) require 37,000 lb minimum weight suspended beneath luffing jib point.

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
599,300 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, 160 ft Luffing Jib

Jib Oper. Rad. Feet	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	
110	69.2	396.8	400,600	518,600* b									110
115	67.2	394.6	377,900	494,200* b									115
120	65.3	392.3	357,200	471,700* b									120
125	63.2	389.8	338,300	451,000* b									125
130	61.2	387.0	320,900	431,900*									130
135	59.1	384.0	304,900	414,100*									135
140	57.0	380.7	290,100	397,500*									140
145	54.8	377.2	276,300	382,000*	63.5	385.3	238,100	356,100* b					145
150	52.5	373.3	263,500	367,500*	61.4	382.6	226,800	342,600*					150
155	50.2	369.2	251,500	354,000*	59.3	379.6	216,300	329,900*					155
160	47.8	364.6	240,300	341,200*	57.2	376.4	206,400	317,900*					160
165	45.2	359.7	229,800	329,100*	55.0	372.8	197,100	306,700*					165
170	42.6	354.3	219,900	317,700*	52.8	369.0	188,400	296,000*					170
175	39.8	348.3	210,500	306,900*	50.5	364.9	180,100	286,000*	59.4	373.1	149,800	265,000*	175
180	36.9	341.7	201,600	296,700*	48.0	360.4	172,400	276,400*	57.2	369.9	143,000	256,200*	180
185	33.7	334.3	193,100	286,900*	45.5	355.5	165,000	267,400*	55.1	366.4	136,600	247,700*	185
190	30.2	325.9	185,000	277,600*	42.9	350.1	157,900	258,800*	52.8	362.5	130,500	239,700*	190
195	26.2	316.1	177,100	268,700*	40.2	344.3	151,200	250,600*	50.5	358.4	124,700	232,100*	195
200	21.6	304.1	169,500	260,000*	37.2	337.7	144,800	242,700*	48.1	353.9	119,200	224,800*	200
205	15.6	288.2	161,800	251,500*	34.0	330.5	138,700	235,200*	45.6	349.0	114,000	217,900*	205
210	2.1	251.1	152,400	242,100*	30.6	322.2	132,700	228,000*	43.0	343.7	108,900	211,200*	210
215					26.7	312.5	126,900	221,000*	40.2	337.8	104,000	204,800*	215
220					22.2	300.9	121,200	214,200*	37.3	331.3	99,400	198,700*	220
225					16.4	285.6	115,500	207,400*	34.1	324.0	94,800	192,800*	225
230					6.1	257.4	108,800	200,200*	30.6	315.7	90,400	187,100*	230
235									26.8	306.1	86,100	181,500*	235
240									22.2	294.5	81,700	176,100*	240
245									16.5	279.3	77,300	170,600*	245
250									6.4	251.6	71,900	164,700*	250

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

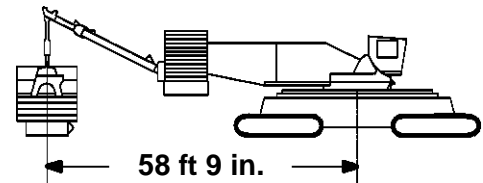


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
599,300 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	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	
115	69.9	416.3	374,300	489,700* b									115
120	68.2	414.3	353,600	467,300* b									120
125	66.4	412.1	334,600	446,700* b									125
130	64.7	409.7	317,200	427,600*									130
135	62.9	407.1	301,200	409,900*									135
140	61.1	404.3	286,400	393,500*									140
145	59.2	401.3	272,700	378,100*									145
150	57.3	398.1	259,900	363,700*	64.9	405.2	221,800	337,900*					150
155	55.4	394.6	248,000	350,200*	63.1	402.6	211,300	325,300*					155
160	53.4	390.9	236,900	337,500*	61.3	399.9	201,500	313,400*					160
165	51.4	386.9	226,400	325,600*	59.4	396.9	192,300	302,200*					165
170	49.3	382.6	216,600	314,300*	57.5	393.7	183,700	291,700*					170
175	47.1	378.0	207,300	303,600*	55.6	390.3	175,500	281,800*					175
180	44.8	372.9	198,600	293,500*	53.6	386.6	167,800	272,300*					180
185	42.5	367.5	190,300	283,900*	51.6	382.6	160,600	263,400*	59.4	390.4	131,000	243,000*	185
190	40.0	361.6	182,400	274,800*	49.5	378.3	153,700	254,900*	57.6	387.2	125,000	235,100*	190
195	37.4	355.1	174,900	266,100*	47.3	373.7	147,100	246,800*	55.6	383.8	119,300	227,500*	195
200	34.6	347.9	167,800	257,800*	45.1	368.8	140,900	239,100*	53.7	380.1	113,900	220,400*	200
205	31.6	340.0	160,900	249,800*	42.7	363.4	134,900	231,700*	51.6	376.1	108,800	213,500*	205
210	28.3	330.9	154,300	242,200*	40.3	357.5	129,200	224,700*	49.5	371.9	103,900	207,000*	210
215	24.6	320.4	147,800	234,800*	37.7	351.1	123,800	217,900*	47.4	367.3	99,200	200,700*	215
220	20.3	307.6	141,500	227,600*	35.0	344.0	118,500	211,400*	45.1	362.3	94,700	194,700*	220
225	14.6	290.6	135,100	220,600*	32.0	336.1	113,400	205,200*	42.8	356.9	90,300	189,000*	225
230	1.9	251.0	127,100	212,600*	28.7	327.2	108,500	199,100*	40.3	351.1	86,200	183,400*	230
235					25.1	316.9	103,600	193,300*	37.7	344.6	82,100	178,100*	235
240					20.8	304.5	98,800	187,600*	35.0	337.6	78,200	173,000*	240
245					15.4	288.1	93,900	181,900*	32.0	329.7	74,400	168,000*	245
250					5.7	258.1	88,200	175,700*	28.8	320.8	70,700	163,200*	250
260									20.9	298.1	63,400	153,800*	260
270									6.0	252.5	54,900	144,000*	270

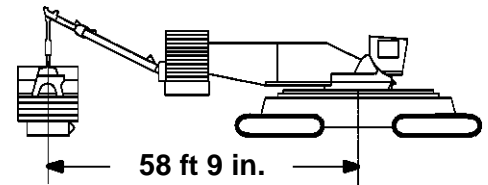
Capacities indicated by **(b)** require 37,000 lb minimum weight suspended beneath luffing jib point.

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
599,300 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, 200 ft Luffing Jib

Jib Oper. Rad. Feet	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	
125	68.9	433.8	331,100	443,300*									125
130	67.4	431.7	313,700	424,300*									130
135	65.8	429.5	297,700	406,700*									135
140	64.2	427.0	283,000	390,300*									140
145	62.6	424.4	269,300	374,900*									145
150	61.0	421.6	256,600	360,600*									150
155	59.3	418.6	244,700	347,200*									155
160	57.6	415.5	233,600	334,600*	64.4	422.6	197,400	309,900*					160
165	55.9	412.1	223,300	322,700*	62.8	420.0	188,200	298,800*					165
170	54.1	408.4	213,500	311,500*	61.1	417.2	179,700	288,300*					170
175	52.3	404.6	204,400	300,900*	59.5	414.2	171,600	278,400*					175
180	50.4	400.4	195,700	290,900*	57.8	411.1	164,000	269,100*					180
185	48.5	396.0	187,500	281,400*	56.1	407.7	156,800	260,200*					185
190	46.5	391.3	179,800	272,300*	54.3	404.1	150,000	251,800*					190
195	44.5	386.2	172,400	263,800*	52.5	400.2	143,500	243,800*	59.5	407.7	115,000	224,000*	195
200	42.4	380.7	165,400	255,600*	50.6	396.1	137,400	236,100*	57.8	404.6	109,600	216,900*	200
205	40.2	374.8	158,700	247,700*	48.7	391.7	131,600	228,900*	56.1	401.2	104,600	210,100*	205
210	37.8	368.4	152,300	240,300*	46.8	387.0	126,000	221,900*	54.3	397.6	99,800	203,700*	210
215	35.4	361.5	146,200	233,100*	44.7	382.0	120,700	215,300*	52.5	393.8	95,200	197,500*	215
220	32.7	353.8	140,300	226,200*	42.6	376.6	115,600	208,900*	50.7	389.7	90,800	191,600*	220
225	29.9	345.3	134,600	219,600*	40.4	370.7	110,700	202,800*	48.8	385.3	86,600	185,900*	225
230	26.8	335.6	129,100	213,200*	38.1	364.4	105,900	196,900*	46.8	380.6	82,500	180,400*	230
235	23.3	324.4	123,800	207,000*	35.7	357.5	101,400	191,200*	44.8	375.5	78,600	175,200*	235
240	19.2	310.9	118,500	200,900*	33.1	349.9	97,000	185,800*	42.6	370.1	74,900	170,200*	240
245	13.8	292.9	113,100	194,900*	30.3	341.5	92,700	180,500*	40.4	364.3	71,300	165,300*	245
250	1.7	250.9	106,200	188,100*	27.2	332.0	88,600	175,400*	38.1	358.0	67,800	160,600*	250
260					19.7	307.8	80,400	165,500*	33.1	343.5	61,100	151,700*	260
270					5.3	258.9	71,200	155,300*	27.2	325.6	54,600	143,300*	270
280									19.7	301.5	48,300	135,200*	280
290									5.6	253.3	41,000	126,700*	290



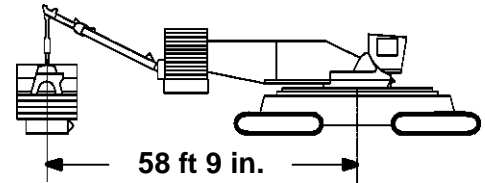
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
 Boom No. 80 With 140 ft Mast No. 81
 458,700 lb Crane Counterweight
 200,000 lb Carbody Counterweight
 599,300 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

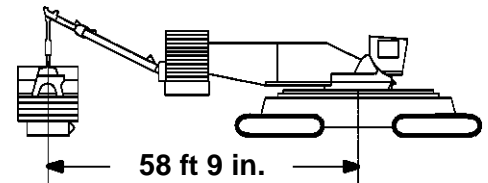
Jib Oper. Rad. Feet	80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing 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	
130	69.5	453.4	308,700	419,800*									130
135	68.1	451.4	292,800	402,200*									135
140	66.7	449.2	278,000	385,900*									140
145	65.3	446.9	264,400	370,600*									145
150	63.8	444.4	251,700	356,400*									150
155	62.4	441.8	239,900	343,000*									155
160	60.9	439.0	228,900	330,400*									160
165	59.4	436.0	218,600	318,600*									165
170	57.8	432.8	208,900	307,500*	64.0	439.9	174,000	283,600*					170
175	56.2	429.5	199,800	296,900*	62.5	437.3	166,000	273,800*					175
180	54.6	425.9	191,200	287,000*	61.0	434.5	158,400	264,500*					180
185	53.0	422.1	183,000	277,500*	59.5	431.6	151,300	255,700*					185
190	51.3	418.1	175,400	268,600*	58.0	428.4	144,600	247,300*					190
195	49.6	413.9	168,100	260,000*	56.4	425.1	138,200	239,400*					195
200	47.9	409.4	161,200	251,900*	54.8	421.6	132,200	231,800*					200
205	46.1	404.6	154,600	244,200*	53.2	417.8	126,400	224,600*	59.5	425.1	98,500	205,300*	205
210	44.2	399.4	148,300	236,800*	51.5	413.8	120,900	217,700*	58.0	421.9	93,800	198,900*	210
215	42.3	394.0	142,300	229,700*	49.8	409.6	115,700	211,200*	56.4	418.6	89,300	192,800*	215
220	40.3	388.1	136,600	222,900*	48.1	405.1	110,700	204,900*	54.9	415.1	85,000	186,900*	220
225	38.2	381.8	131,100	216,400*	46.3	400.4	105,900	198,800*	53.2	411.3	80,800	181,300*	225
230	36.0	374.9	125,800	210,200*	44.4	395.3	101,300	193,000*	51.6	407.4	76,900	176,000*	230
235	33.6	367.5	120,700	204,200*	42.5	389.8	96,900	187,500*	49.9	403.1	73,100	170,800*	235
240	31.1	359.3	115,800	198,400*	40.5	384.0	92,600	182,100*	48.1	398.6	69,500	165,900*	240
245	28.5	350.3	111,000	192,800*	38.4	377.7	88,500	177,000*	46.3	393.9	65,900	161,100*	245
250	25.5	340.1	106,400	187,400*	36.2	371.0	84,600	172,000*	44.5	388.8	62,600	156,500*	250
260	18.2	314.0	97,300	176,900*	31.4	355.5	77,000	162,500*	40.5	377.5	56,100	147,800*	260
270	1.5	250.8	86,600	165,700*	25.8	336.5	69,800	153,600*	36.3	364.5	50,100	139,600*	270
280					18.7	311.0	62,800	145,100*	31.5	349.1	44,400	132,000*	280
290					5.0	259.6	54,700	136,100*	25.9	330.2	38,900	124,700*	290
300									18.8	304.7	33,400	117,700*	300
310									5.3	254.0	26,900	110,100*	310

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
599,300 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, 240 ft Luffing Jib

Jib Oper. Rad. Feet	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	
140	68.8	470.9	273,800	382,100*									140
145	67.5	468.8	260,100	366,900*									145
150	66.2	466.6	247,400	352,600*									150
155	64.9	464.2	235,700	339,300*									155
160	63.5	461.7	224,600	326,800*									160
165	62.2	459.1	214,300	315,000*									165
170	60.8	456.3	204,700	303,900*									170
175	59.4	453.3	195,600	293,400*	65.0	459.7	161,100	269,800*					175
180	58.0	450.2	187,000	283,400*	63.7	457.3	153,600	260,600*					180
185	56.6	446.9	178,900	274,000*	62.3	454.6	146,600	251,800*					185
190	55.1	443.4	171,300	265,100*	61.0	451.8	139,900	243,500*					190
195	53.6	439.7	164,000	256,600*	59.6	448.9	133,500	235,600*					195
200	52.1	435.8	157,100	248,500*	58.2	445.8	127,500	228,000*					200
205	50.6	431.7	150,600	240,800*	56.7	442.5	121,800	220,900*					205
210	49.0	427.3	144,400	233,500*	55.3	439.0	116,300	214,000*					210
215	47.4	422.7	138,400	226,500*	53.8	435.3	111,100	207,500*	59.6	442.4	84,200	188,800*	215
220	45.7	417.8	132,800	219,700*	52.3	431.5	106,200	201,200*	58.2	439.3	79,900	183,000*	220
225	44.0	412.7	127,300	213,300*	50.7	427.4	101,400	195,200*	56.8	436.0	75,900	177,400*	225
230	42.2	407.2	122,100	207,100*	49.2	423.0	96,900	189,500*	55.3	432.5	72,000	172,100*	230
235	40.4	401.3	117,200	201,200*	47.6	418.5	92,600	184,000*	53.8	428.9	68,200	167,000*	235
240	38.5	395.1	112,400	195,500*	45.9	413.6	88,400	178,700*	52.3	425.0	64,600	162,000*	240
245	36.5	388.3	107,700	190,000*	44.2	408.5	84,400	173,600*	50.8	420.9	61,200	157,300*	245
250	34.4	381.1	103,300	184,700*	42.4	403.0	80,500	168,700*	49.2	416.6	57,900	152,800*	250
260	29.8	364.6	94,800	174,600*	38.7	391.0	73,200	159,400*	45.9	407.2	51,600	144,200*	260
270	24.4	344.4	86,700	165,200*	34.6	377.2	66,300	150,700*	42.4	396.6	45,700	136,200*	270
280	17.4	317.0	78,900	156,100*	30.0	360.9	59,800	142,600*	38.7	384.6	40,200	128,700*	280
290	1.3	250.7	69,500	146,300*	24.7	340.9	53,600	134,800*	34.6	370.7	35,000	121,600*	290
300					17.9	314.1	47,500	127,400*	30.1	354.5	30,100	114,900*	300
310					4.8	260.3	40,400	119,500*	24.7	334.5	25,200	108,600*	310
320									17.9	307.8	20,400	102,400*	320
330									5.0	254.8	14,600	95,700*	330



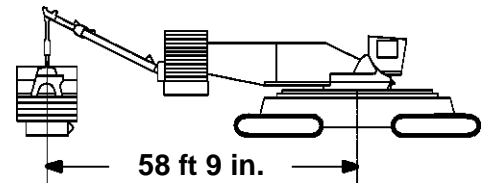
Liftcrane Luffing Jib Capacities

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
 599,300 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

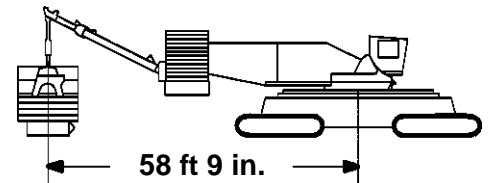
Jib Oper. Rad. Feet	80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing 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	
145	69.3	490.5	256,300	356,000*									145
150	68.1	488.4	243,600	348,200*									150
155	66.9	486.3	231,700	335,000*									155
160	65.7	484.0	220,600	322,500*									160
165	64.5	481.6	210,300	310,700*									165
170	63.2	479.1	200,600	299,700*									170
175	62.0	476.4	191,400	289,200*									175
180	60.7	473.6	182,800	279,300*									180
185	59.5	470.6	174,700	269,900*	64.6	477.1	141,400	247,200*					185
190	58.2	467.5	167,100	261,100*	63.4	474.6	134,700	238,900*					190
195	56.8	464.2	159,800	252,600*	62.1	472.0	128,400	231,000*					195
200	55.5	460.8	153,000	244,600*	60.9	469.1	122,400	223,500*					200
205	54.1	457.2	146,400	236,900*	59.6	466.2	116,700	216,400*					205
210	52.8	453.4	140,200	229,600*	58.3	463.1	111,300	209,600*					210
215	51.3	449.4	134,300	222,600*	57.0	459.9	106,100	203,100*					215
220	49.9	445.1	128,600	216,000*	55.7	456.4	101,200	196,900*					220
225	48.4	440.7	123,200	209,600*	54.3	452.8	96,500	191,000*	59.6	459.7	70,100	172,600*	225
230	46.9	436.0	118,100	203,400*	52.9	449.0	92,000	185,300*	58.3	456.6	66,200	167,400*	230
235	45.4	431.1	113,100	197,600*	51.5	445.1	87,700	179,800*	57.0	453.4	62,500	162,300*	235
240	43.8	425.9	108,400	191,900*	50.1	440.9	83,500	174,600*	55.7	449.9	59,000	157,400*	240
245	42.1	420.4	103,800	186,500*	48.6	436.5	79,600	169,500*	54.3	446.3	55,600	152,800*	245
250	40.5	414.6	99,400	181,300*	47.1	431.8	75,700	164,700*	52.9	442.5	52,300	148,300*	250
260	36.9	401.7	91,100	171,300*	44.0	421.7	68,500	155,500*	50.1	434.4	46,100	139,800*	260
270	32.9	387.0	83,400	162,100*	40.6	410.5	61,800	146,900*	47.1	425.4	40,400	131,900*	270
280	28.5	369.7	76,000	153,400*	37.1	397.7	55,500	138,900*	44.0	415.3	35,000	124,500*	280
290	23.4	348.4	69,100	145,200*	33.2	383.1	49,600	131,400*	40.7	404.0	30,000	117,600*	290
300	16.7	319.9	62,200	137,300*	28.8	366.0	43,900	124,300*	37.1	391.3	25,200	111,000*	300
310	1.2	250.5	53,800	128,600*	23.7	345.0	38,500	117,500*	33.2	376.7	20,700	104,900*	310
320					17.1	317.0	33,100	111,000*	28.8	359.6	16,400	99,000*	320
330					4.5	260.9	26,700	104,000*	23.7	338.6	12,100	93,400*	330
340									17.2	310.7	7,800	87,900*	340
350									4.8	255.5	2,600	81,900*	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
599,300 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, 280 ft Luffing Jib

Jib Oper. Rad. Feet	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	
150	69.8	510.0	239,500	312,000*									150
155	68.7	508.0	227,600	312,000*									155
160	67.5	505.9	216,600	312,000*									160
165	66.4	503.7	206,200	307,300*									165
170	65.3	501.4	196,500	296,200*									170
175	64.2	499.0	187,400	285,800*									175
180	63.0	496.4	178,800	275,900*									180
185	61.9	493.7	170,800	266,600*									185
190	60.7	490.9	163,100	257,700*									190
195	59.5	488.0	155,900	249,300*	64.3	494.5	123,900	227,400*					195
200	58.3	484.9	149,000	241,300*	63.1	492.0	117,900	219,900*					200
205	57.1	481.6	142,500	233,700*	62.0	489.3	112,200	212,800*					205
210	55.8	478.2	136,300	226,400*	60.8	486.5	106,800	206,100*					210
215	54.6	474.6	130,500	219,500*	59.6	483.5	101,700	199,600*					215
220	53.3	470.9	124,800	212,800*	58.4	480.5	96,800	193,400*					220
225	52.0	467.0	119,500	206,400*	57.2	477.2	92,200	187,500*					225
230	50.7	462.9	114,400	200,400*	56.0	473.8	87,700	181,800*					230
235	49.3	458.6	109,400	194,500*	54.7	470.3	83,400	176,400*	59.6	477.0	57,800	158,600*	235
240	48.0	454.1	104,700	188,900*	53.4	466.6	79,300	171,200*	58.4	474.0	54,300	153,700*	240
245	46.5	449.4	100,200	183,500*	52.1	462.7	75,400	166,200*	57.2	470.7	50,900	149,100*	245
250	45.1	444.4	95,900	178,300*	50.8	458.6	71,600	161,400*	56.0	467.3	47,700	144,600*	250
260	42.1	433.6	87,700	168,500*	48.1	449.9	64,500	152,300*	53.5	460.1	41,600	136,200*	260
270	38.9	421.6	80,100	159,400*	45.3	440.2	57,900	143,800*	50.8	452.1	36,000	128,400*	270
280	35.5	408.1	73,000	150,800*	42.3	429.5	51,700	135,900*	48.1	443.4	30,700	121,100*	280
290	31.7	392.6	66,300	142,800*	39.1	417.6	46,000	128,500*	45.3	433.7	25,800	114,200*	290
300	27.4	374.5	59,900	135,300*	35.7	404.2	40,500	121,500*	42.3	423.0	21,200	107,800*	300
310	22.5	352.4	53,800	128,000*	31.9	388.8	35,300	114,900*	39.1	411.1	16,800	101,800*	310
320	16.0	322.6	47,700	121,100*	27.7	370.9	30,400	108,700*	35.7	397.7	12,600	96,100*	320
330					22.8	349.0	25,600	102,700*	31.9	382.4	8,700	90,600*	330
340					16.5	319.9	20,800	96,900*	27.7	364.5	4,800	85,500*	340
350					4.4	261.6	15,100	90,600*	22.8	342.6	1,100	80,500*	350
360									16.5	313.6		75,500*	360
370									4.6	256.1		70,200*	370



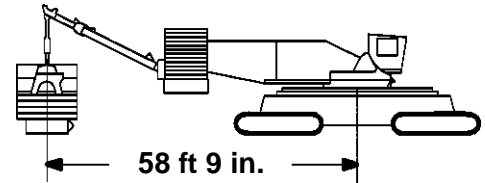
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
599,300 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, 300 ft Luffing Jib

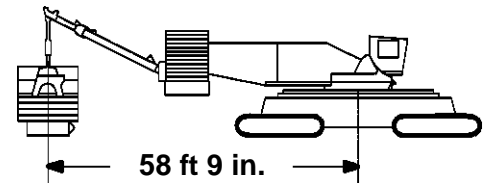
Jib Oper. Rad. Feet	80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing 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	
160	69.1	527.5	211,400	275,300*									160
165	68.1	525.5	201,100	275,300*									165
170	67.1	523.4	191,400	275,300*									170
175	66.0	521.1	182,300	275,300*									175
180	65.0	518.8	173,800	271,700*									180
185	63.9	516.3	165,700	262,400*									185
190	62.8	513.7	158,100	253,600*									190
195	61.7	511.0	150,900	245,200*									195
200	60.6	508.2	144,100	237,200*									200
205	59.5	505.3	137,600	229,600*	64.0	511.9	106,500	208,200*					205
210	58.4	502.2	131,400	222,300*	62.9	509.3	101,200	201,500*					210
215	57.3	499.0	125,600	215,400*	61.9	506.6	96,100	195,100*					215
220	56.1	495.6	120,000	208,800*	60.8	503.8	91,200	188,900*					220
225	55.0	492.1	114,600	202,500*	59.7	500.9	86,600	183,100*					225
230	53.8	488.4	109,500	196,400*	58.5	497.8	82,200	177,400*					230
235	52.6	484.6	104,700	190,600*	57.4	494.6	78,000	172,000*					235
240	51.3	480.6	100,000	185,000*	56.2	491.2	73,900	166,900*					240
245	50.1	476.4	95,500	179,700*	55.1	487.7	70,000	161,900*	59.7	494.4	44,900	144,400*	245
250	48.8	472.0	91,200	173,200*	53.9	484.1	66,300	157,100*	58.5	491.3	41,700	140,000*	250
260	46.2	462.7	83,100	159,800*	51.5	476.3	59,200	148,100*	56.3	484.7	35,700	131,600*	260
270	43.5	452.4	75,600	147,100*	49.0	467.8	52,700	139,700*	53.9	477.6	30,200	123,900*	270
280	40.6	441.0	68,600	135,100*	46.4	458.5	46,700	131,800*	51.5	469.8	25,000	116,600*	280
290	37.5	428.4	62,000	123,900*	43.6	448.2	41,000	124,500*	49.0	461.3	20,200	109,900*	290
300	34.2	414.2	55,900	113,300*	40.8	436.9	35,700	117,600*	46.4	452.0	15,700	103,500*	300
310	30.6	398.1	50,000	103,500*	37.7	424.4	30,600	111,200*	43.6	441.8	11,400	97,600*	310
320	26.5	379.2	44,400	94,300*	34.4	410.3	25,900	105,100*	40.8	430.5	7,400	92,000*	320
330	21.7	356.1	39,000	85,800*	30.8	394.3	21,300	99,300*	37.7	418.0	3,600	86,600*	330
340	15.5	325.2	33,700	78,300*	26.7	375.6	17,000	93,700*	34.4	403.9		81,600*	340
350					22.0	352.8	12,700	87,400*	30.8	387.9		76,800*	350
360					15.9	322.6	8,400	79,700*	26.8	369.2		72,200*	360
370					4.2	262.2	3,300	73,900*	22.0	346.5		67,700*	370
380									15.9	316.3		63,300*	380
390									4.4	256.8		58,100*	390

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
599,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



260 ft Boom, 120 ft Luffing Jib

Jib Oper. Rad. Feet	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	
100				c									100
105				c									105
110	63.5	374.0	399,400	518,000*b									110
115	60.8	371.2	376,800	493,700*b									115
120	57.9	368.0	356,200	471,300*b									120
125	55.0	364.5	337,400	450,700*b									125
130	52.0	360.6	320,000	431,500*b	64.7	370.0	274,900	401,100*b					130
135	48.8	356.2	304,000	413,700*	62.0	367.4	260,900	384,500*b					135
140	45.5	351.3	289,100	397,000*	59.2	364.4	248,000	369,100*b					140
145	41.9	345.8	275,200	381,500*	56.4	361.0	236,000	354,700*b					145
150	38.1	339.5	262,100	366,800*	53.4	357.3	224,700	341,200*b					150
155	33.8	332.1	249,800	353,000*	50.3	353.1	214,200	328,500*b					155
160	29.0	323.4	238,100	339,900*	47.0	348.5	204,300	316,600*					160
165	23.3	312.5	226,800	327,300*	43.6	343.2	195,000	305,200*	57.4	355.1	161,400	282,100*b	165
170	15.5	296.9	215,500	315,000*	39.8	337.3	186,100	294,500*	54.4	351.5	153,900	272,300*b	170
175					35.8	330.5	177,600	284,300*	51.4	347.5	146,800	263,000*b	175
180					31.3	322.5	169,500	274,600*	48.2	343.1	140,100	254,100*	180
185					26.1	312.7	161,600	265,100*	44.8	338.0	133,700	245,600*	185
190					19.4	299.7	153,700	256,000*	41.2	332.4	127,500	237,600*	190
195					8.1	276.6	144,800	246,300*	37.3	325.9	121,600	229,900*	195
200									32.9	318.3	115,800	222,400*	200
205									28.0	309.3	110,100	215,200*	205
210									22.0	297.7	104,400	208,100*	210
215									13.3	280.3	98,300	200,900*	215

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

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



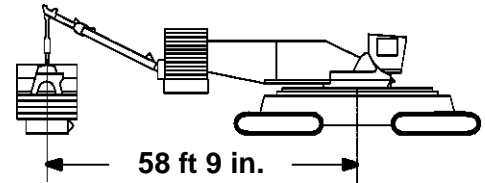
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
 Boom No. 80 With 140 ft Mast No. 81
 458,700 lb Crane Counterweight
 200,000 lb Carbody Counterweight
 599,300 lb Hanging Counterweight
 at 58 ft 9 in. Position

Meets
 ANSI B30.5
 Requirements



Narrow or Wide Crawler Arrangement - 360 Degree Rating

260 ft Boom, 140 ft Luffing Jib

Jib Oper. Rad. Feet	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	
105				^c									105
110	67.6	396.2	395,200	513,800* ^b									110
115	65.3	393.9	372,800	489,700* ^b									115
120	63.0	391.3	352,400	467,400* ^b									120
125	60.6	388.5	333,700	446,900* ^b									125
130	58.2	385.4	316,500	427,900* ^b									130
135	55.8	382.0	300,700	410,300*									135
140	53.2	378.2	286,000	393,900*	64.0	387.4	242,800	364,600* ^b					140
145	50.5	374.1	272,400	378,500*	61.7	384.7	231,000	350,400* ^b					145
150	47.8	369.5	259,700	364,100*	59.3	381.7	219,900	337,000* ^b					150
155	44.9	364.5	247,800	350,600*	56.9	378.4	209,600	324,500* ^b					155
160	41.8	359.0	236,600	337,800*	54.4	374.8	200,000	312,700*					160
165	38.6	352.8	226,000	325,800*	51.8	370.9	190,900	301,600*					165
170	35.0	345.8	216,000	314,400*	49.1	366.5	182,300	291,100*					170
175	31.1	337.7	206,500	303,500*	46.2	361.7	174,200	281,200*	57.7	372.5	141,400	258,500* ^b	175
180	26.7	328.1	197,300	293,100*	43.2	356.4	166,600	271,700*	55.3	369.0	134,800	249,800*	180
185	21.4	316.1	188,400	283,100*	40.1	350.5	159,200	262,700*	52.7	365.2	128,700	241,500*	185
190	14.2	299.2	179,300	273,200*	36.7	343.9	152,200	254,100*	50.0	361.0	122,800	233,700*	190
195					33.0	336.4	145,500	245,900*	47.2	356.4	117,200	226,200*	195
200					28.8	327.5	139,000	238,000*	44.3	351.3	111,800	219,000*	200
205					24.0	316.8	132,600	230,300*	41.2	345.6	106,700	212,200*	205
210					17.9	302.7	126,100	222,800*	37.9	339.2	101,700	205,600*	210
215					7.4	277.6	118,800	214,800*	34.3	332.0	96,900	199,200*	215
220									30.3	323.7	92,200	193,100*	220
225									25.8	313.7	87,500	187,100*	225
230									20.2	301.1	82,800	181,200*	230
235									12.2	282.3	77,700	175,100*	235

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

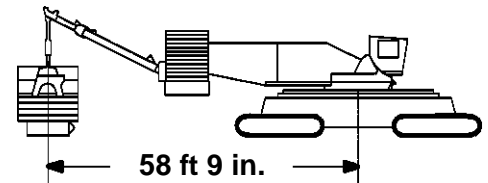
Do not luff into area indicated by (c) with 37,000 lb minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
599,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



260 ft Boom, 160 ft Luffing Jib

Jib Oper. Rad. Feet	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	
115	68.6	415.8	370,900	486,500* b									115
120	66.6	413.6	350,500	464,400* b									120
125	64.6	411.3	331,800	444,000* b									125
130	62.6	408.6	314,600	425,100* b									130
135	60.6	405.8	298,800	407,600*									135
140	58.5	402.7	284,200	391,300*									140
145	56.3	399.4	270,600	376,000*									145
150	54.1	395.7	258,000	361,700*	63.5	404.7	216,800	333,700* b					150
155	51.8	391.8	246,200	348,400*	61.5	402.0	206,500	321,300* b					155
160	49.5	387.5	235,200	335,800*	59.4	399.0	197,000	309,700*					160
165	47.0	382.9	224,800	323,900*	57.3	395.8	188,000	298,700*					165
170	44.5	377.8	215,100	312,700*	55.1	392.3	179,600	288,300*					170
175	41.8	372.2	205,800	302,100*	52.9	388.5	171,600	278,500*					175
180	38.9	366.1	197,100	292,000*	50.5	384.4	164,100	269,200*					180
185	35.9	359.3	188,800	282,400*	48.1	379.9	157,000	260,300*	58.0	389.9	125,000	238,200*	185
190	32.6	351.6	180,800	273,200*	45.6	375.0	150,200	251,900*	55.9	386.5	119,300	230,500*	190
195	29.0	342.8	173,200	264,500*	43.0	369.7	143,700	243,900*	53.6	382.8	113,800	223,100*	195
200	24.9	332.4	165,800	256,000*	40.3	363.8	137,600	236,300*	51.4	378.8	108,600	216,100*	200
205	19.9	319.5	158,500	247,800*	37.3	357.3	131,700	229,000*	49.0	374.4	103,600	209,400*	205
210	13.2	301.4	151,100	239,700*	34.2	350.0	126,000	221,900*	46.5	369.7	98,900	203,000*	210
215					30.7	341.8	120,500	215,200*	43.9	364.5	94,300	196,800*	215
220					26.8	332.2	115,100	208,600*	41.2	358.8	89,900	190,900*	220
225					22.3	320.7	109,800	202,200*	38.4	352.6	85,700	185,300*	225
230					16.6	305.5	104,400	195,900*	35.3	345.6	81,600	179,800*	230
235					6.8	278.6	98,200	189,200*	31.9	337.7	77,600	174,500*	235
240									28.2	328.7	73,600	169,300*	240
245									24.0	317.9	69,700	164,300*	245
250									18.8	304.3	65,700	159,300*	250

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



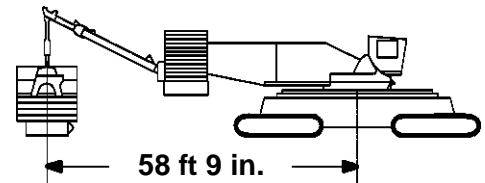
Liftcrane Luffing Jib Capacities

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
 599,300 lb Hanging Counterweight
 at 58 ft 9 in. Position
 Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
 ANSI B30.5
 Requirements



260 ft Boom, 180 ft Luffing Jib

Jib Oper. Rad. Feet	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	
120	69.4	435.4	345,600	459,800*b									120
125	67.6	433.3	326,900	439,500*b									125
130	65.9	431.1	309,800	420,700*b									130
135	64.1	428.6	294,100	403,300*									135
140	62.3	426.0	279,600	387,100*									140
145	60.5	423.1	266,100	371,900*									145
150	58.6	420.1	253,600	357,700*									150
155	56.7	416.8	241,900	344,400*	64.9	424.6	200,800	316,500*					155
160	54.8	413.2	231,000	332,000*	63.2	422.0	191,300	305,000*					160
165	52.8	409.4	220,700	320,200*	61.3	419.3	182,500	294,100*					165
170	50.7	405.3	211,100	309,100*	59.5	416.3	174,100	283,800*					170
175	48.6	400.9	202,000	298,600*	57.6	413.1	166,300	274,100*					175
180	46.4	396.2	193,400	288,600*	55.7	409.7	158,900	264,900*					180
185	44.1	391.0	185,300	279,200*	53.7	406.0	151,900	256,100*					185
190	41.7	385.4	177,600	270,200*	51.7	402.1	145,300	247,800*					190
195	39.2	379.4	170,300	261,600*	49.6	397.8	139,000	239,900*	58.3	407.2	107,800	218,300*	195
200	36.6	372.7	163,300	253,500*	47.4	393.2	133,000	232,400*	56.3	403.9	102,700	211,400*	200
205	33.7	365.3	156,500	245,700*	45.2	388.3	127,300	225,200*	54.4	400.3	97,900	204,800*	205
210	30.7	357.0	150,100	238,100*	42.8	382.9	121,800	218,400*	52.4	396.4	93,300	198,500*	210
215	27.3	347.6	143,800	230,900*	40.4	377.0	116,600	211,800*	50.3	392.3	88,900	192,500*	215
220	23.4	336.5	137,800	223,900*	37.8	370.6	111,500	205,500*	48.2	387.8	84,600	186,700*	220
225	18.7	322.7	131,700	217,100*	35.1	363.6	106,700	199,400*	46.0	383.0	80,600	181,100*	225
230	12.4	303.4	125,500	210,200*	32.1	355.8	102,000	193,500*	43.7	377.7	76,700	175,800*	230
235					28.8	346.9	97,400	187,900*	41.2	372.1	72,900	170,700*	235
240					25.2	336.6	92,900	182,400*	38.7	365.9	69,300	165,700*	240
245					21.0	324.3	88,400	177,000*	36.0	359.1	65,800	160,900*	245
250					15.6	308.1	83,900	171,600*	33.1	351.5	62,300	156,300*	250
260									26.5	333.3	55,600	147,400*	260
270									17.7	307.3	48,900	138,800*	270

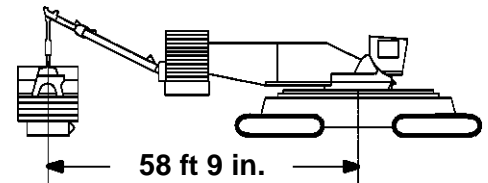
Capacities indicated by **(b)** require 37,000 lb minimum weight suspended beneath luffing jib point.

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
599,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



260 ft Boom, 200 ft Luffing Jib

Jib Oper. Rad. Feet	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	
125	70.0	454.9	323,200	436,100* ^b									125
130	68.5	452.9	306,200	417,300*									130
135	66.9	450.8	290,500	399,900*									135
140	65.3	448.4	276,000	383,800*									140
145	63.7	446.0	262,600	368,700*									145
150	62.1	443.3	250,100	354,600*									150
155	60.4	440.4	238,500	341,300*									155
160	58.8	437.4	227,600	328,900*									160
165	57.1	434.1	217,400	317,200*	64.4	442.0	178,200	290,500*					165
170	55.3	430.7	207,900	306,200*	62.8	439.4	169,900	280,300*					170
175	53.5	427.0	198,900	295,700*	61.2	436.6	162,200	270,600*					175
180	51.7	423.0	190,400	285,900*	59.5	433.7	154,900	261,500*					180
185	49.8	418.8	182,300	276,500*	57.8	430.5	147,900	252,800*					185
190	47.9	414.3	174,700	267,600*	56.1	427.1	141,400	244,600*					190
195	45.9	409.5	167,500	259,200*	54.4	423.5	135,200	236,800*					195
200	43.9	404.3	160,700	251,100*	52.5	419.7	129,300	229,300*					200
205	41.7	398.7	154,100	243,400*	50.7	415.6	123,700	222,200*	58.4	424.6	93,400	201,200*	205
210	39.5	392.6	147,900	236,000*	48.8	411.2	118,300	215,400*	56.7	421.3	88,900	195,000*	210
215	37.1	386.1	141,900	229,000*	46.8	406.5	113,200	209,000*	55.0	417.7	84,600	189,000*	215
220	34.6	378.9	136,200	222,200*	44.8	401.5	108,300	202,700*	53.2	414.0	80,500	183,300*	220
225	31.9	371.0	130,600	215,700*	42.7	396.1	103,600	196,800*	51.3	410.0	76,500	177,800*	225
230	29.0	362.1	125,300	209,400*	40.5	390.3	99,100	191,000*	49.5	405.7	72,700	172,600*	230
235	25.8	352.1	120,100	203,400*	38.2	384.0	94,700	185,500*	47.5	401.1	69,100	167,500*	235
240	22.1	340.3	115,000	197,500*	35.7	377.1	90,500	180,200*	45.5	396.2	65,600	162,700*	240
245	17.7	325.8	109,900	191,700*	33.2	369.5	86,500	175,100*	43.4	391.0	62,200	158,000*	245
250	11.7	305.3	104,600	185,900*	30.4	361.1	82,500	170,100*	41.3	385.3	58,900	153,500*	250
260					23.9	340.8	74,800	160,600*	36.6	372.5	52,700	144,900*	260
270					14.7	310.6	67,100	151,400*	31.4	357.1	46,800	136,900*	270
280									25.1	337.7	41,000	129,200*	280
290									16.7	310.1	35,200	121,700*	290

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

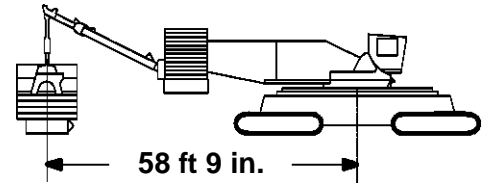


Liftcrane Luffing Jib Capacities

**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
599,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



260 ft Boom, 220 ft Luffing Jib

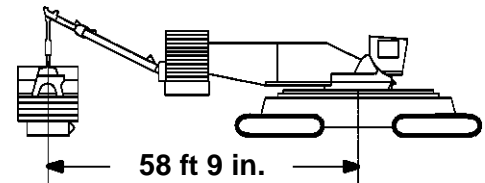
Jib Oper. Rad. Feet	80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing 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	
135	69.1	472.5	285,300	395,400*									135
140	67.7	470.4	270,900	379,300*									140
145	66.3	468.2	257,500	364,200*									145
150	64.8	465.8	245,100	350,200*									150
155	63.4	463.3	233,500	337,000*									155
160	61.9	460.6	222,700	324,600*									160
165	60.4	457.8	212,500	313,000*									165
170	58.9	454.7	203,000	302,000*									170
175	57.3	451.5	194,100	291,700*	64.0	459.3	156,300	265,800*					175
180	55.8	448.1	185,700	281,800*	62.6	456.7	149,100	256,800*					180
185	54.2	444.5	177,700	272,500*	61.1	453.9	142,200	248,200*					185
190	52.5	440.6	170,200	263,700*	59.6	451.0	135,800	240,000*					190
195	50.8	436.6	163,000	255,300*	58.0	447.9	129,600	232,200*					195
200	49.1	432.2	156,300	247,300*	56.5	444.5	123,800	224,900*					200
205	47.3	427.6	149,800	239,700*	54.9	441.0	118,300	217,800*					205
210	45.5	422.7	143,700	232,400*	53.3	437.3	113,000	211,100*					210
215	43.6	417.5	137,800	225,500*	51.6	433.3	108,000	204,700*	58.6	441.9	78,400	184,100*	215
220	41.7	411.9	132,200	218,800*	49.9	429.1	103,200	198,500*	57.0	438.6	74,400	178,500*	220
225	39.6	405.9	126,800	212,400*	48.1	424.6	98,600	192,700*	55.4	435.2	70,500	173,100*	225
230	37.5	399.4	121,600	206,300*	46.3	419.8	94,100	187,000*	53.8	431.5	66,800	167,900*	230
235	35.3	392.4	116,700	200,400*	44.5	414.8	89,900	181,600*	52.2	427.6	63,300	162,900*	235
240	32.9	384.8	111,900	194,700*	42.6	409.3	85,800	176,400*	50.5	423.5	59,900	158,200*	240
245	30.3	376.4	107,200	189,200*	40.6	403.5	81,900	171,400*	48.8	419.1	56,600	153,600*	245
250	27.6	367.0	102,700	183,800*	38.5	397.3	78,100	166,500*	47.0	414.5	53,400	149,100*	250
260	21.0	344.0	94,000	173,600*	34.0	383.2	70,900	157,300*	43.2	404.2	47,400	140,700*	260
270	11.1	307.1	85,000	163,600*	28.9	366.3	64,100	148,700*	39.2	392.4	41,800	132,900*	270
280					22.7	344.7	57,500	140,500*	34.8	378.7	36,500	125,500*	280
290					14.0	313.0	50,800	132,400*	29.8	362.4	31,400	118,600*	290
300									23.9	341.9	26,400	111,900*	300
310									15.9	312.8	21,300	105,400*	310

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
599,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



260 ft Boom, 240 ft Luffing Jib

Jib Oper. Rad. Feet	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	
140	69.7	492.0	267,800	374,800*									140
145	68.4	490.0	254,300	360,400*									145
150	67.1	487.9	241,800	346,400*									150
155	65.8	485.6	230,100	333,200*									155
160	64.4	483.2	219,200	320,900*									160
165	63.1	480.6	209,100	309,300*									165
170	61.7	477.9	199,500	298,400*									170
175	60.4	475.1	190,500	288,000*									175
180	59.0	472.1	182,100	278,200*									180
185	57.6	468.9	174,100	269,000*	63.7	476.7	137,900	244,200*					185
190	56.1	465.5	166,600	260,200*	62.4	474.0	131,400	236,000*					190
195	54.7	462.0	159,400	251,800*	61.0	471.2	125,300	228,300*					195
200	53.2	458.2	152,700	243,900*	59.6	468.3	119,400	221,000*					200
205	51.6	454.2	146,200	236,300*	58.2	465.2	113,900	214,000*					205
210	50.1	450.1	140,100	229,100*	56.8	461.9	108,700	207,300*					210
215	48.5	445.6	134,200	222,100*	55.3	458.5	103,600	200,900*					215
220	46.9	441.0	128,700	215,500*	53.8	454.8	98,900	194,800*					220
225	45.2	436.0	123,300	209,200*	52.3	450.9	94,300	189,000*	58.7	459.2	65,600	169,000*	225
230	43.4	430.7	118,200	203,100*	50.8	446.8	89,900	183,400*	57.3	456.0	61,900	163,900*	230
235	41.7	425.1	113,300	197,300*	49.2	442.5	85,700	178,000*	55.8	452.6	58,400	159,000*	235
240	39.8	419.1	108,600	191,700*	47.6	438.0	81,700	172,900*	54.4	449.0	55,000	154,200*	240
245	37.9	412.8	104,100	186,300*	45.9	433.1	77,800	167,900*	52.9	445.2	51,800	149,700*	245
250	35.8	405.9	99,700	181,000*	44.2	428.0	74,100	163,100*	51.3	441.2	48,700	145,300*	250
260	31.4	390.4	91,400	171,200*	40.6	416.8	67,100	154,000*	48.2	432.5	42,800	137,000*	260
270	26.4	371.6	83,500	161,900*	36.8	403.9	60,500	145,600*	44.8	422.8	37,300	129,300*	270
280	20.1	347.4	75,900	153,000*	32.5	389.0	54,200	137,700*	41.3	411.8	32,100	122,100*	280
290	10.6	308.9	68,100	144,300*	27.6	371.1	48,300	130,200*	37.5	399.2	27,300	115,300*	290
300					21.7	348.5	42,500	123,000*	33.3	384.7	22,700	108,900*	300
310					13.4	315.2	36,600	115,900*	28.5	367.4	18,200	102,800*	310
320									22.8	345.8	13,800	96,900*	320
330									15.1	315.4	9,300	91,100*	330

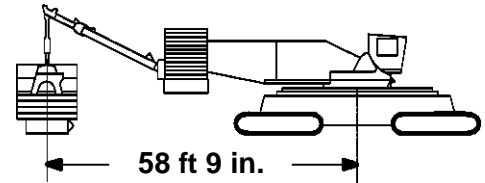


Liftcrane Luffing Jib Capacities

**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
599,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



260 ft Boom, 260 ft Luffing Jib

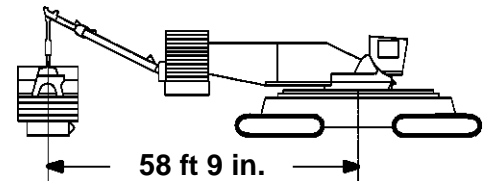
Jib Oper. Rad. Feet	80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing 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	
150	68.9	509.5	236,600	332,400*									150
155	67.7	507.5	224,900	328,800*									155
160	66.5	505.3	214,100	316,500*									160
165	65.3	503.0	203,900	304,900*									165
170	64.1	500.5	194,400	294,000*									170
175	62.9	498.0	185,500	283,800*									175
180	61.6	495.3	177,100	274,000*									180
185	60.3	492.4	169,100	264,800*									185
190	59.1	489.4	161,600	256,000*	64.7	496.5	125,500	231,300*					190
195	57.8	486.2	154,500	247,700*	63.4	494.0	119,400	223,600*					195
200	56.4	482.9	147,800	239,800*	62.2	491.4	113,700	216,300*					200
205	55.1	479.4	141,400	232,300*	60.9	488.6	108,200	209,400*					205
210	53.7	475.7	135,300	225,100*	59.6	485.6	103,000	202,800*					210
215	52.3	471.9	129,500	218,200*	58.3	482.5	98,000	196,400*					215
220	50.9	467.8	124,000	211,600*	57.0	479.3	93,300	190,400*					220
225	49.5	463.5	118,700	205,400*	55.7	475.9	88,800	184,600*					225
230	48.0	459.0	113,600	199,300*	54.3	472.3	84,500	179,000*					230
235	46.5	454.3	108,800	193,500*	53.0	468.5	80,300	173,700*	58.8	476.6	52,300	154,200*	235
240	44.9	449.2	104,200	188,000*	51.6	464.5	76,400	168,600*	57.5	473.4	49,000	149,500*	240
245	43.3	444.0	99,700	182,600*	50.1	460.3	72,600	163,700*	56.2	470.0	45,800	145,000*	245
250	41.6	438.4	95,400	177,500*	48.7	455.9	68,900	158,900*	54.8	466.5	42,700	140,600*	250
260	38.1	426.1	87,300	167,700*	45.6	446.4	62,000	150,000*	52.0	458.9	37,000	132,400*	260
270	34.3	412.1	79,700	158,700*	42.4	435.8	55,600	141,700*	49.2	450.4	31,600	124,800*	270
280	30.1	395.7	72,600	150,100*	39.0	423.9	49,500	133,900*	46.1	441.1	26,600	117,700*	280
290	25.3	376.1	65,800	142,100*	35.2	410.3	43,900	126,600*	43.0	430.7	21,900	111,000*	290
300	19.3	350.7	59,200	134,400*	31.1	394.5	38,500	119,700*	39.6	419.0	17,500	104,800*	300
310	10.1	310.5	52,300	126,700*	26.4	375.8	33,300	113,100*	35.9	405.7	13,300	98,900*	310
320					20.8	352.1	28,300	106,800*	31.9	390.4	9,200	93,200*	320
330					12.8	317.4	23,000	100,600*	27.3	372.2	5,300	87,900*	330
340									21.9	349.6	1,500	82,700*	340
350									14.5	317.9		77,500*	350

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
599,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



260 ft Boom, 280 ft Luffing Jib

Jib Oper. Rad. Feet	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	
155	69.4	529.1	220,800	292,500*									155
160	68.3	527.1	209,900	292,500*									160
165	67.2	525.0	199,800	292,500*									165
170	66.1	522.7	190,300	290,500*									170
175	65.0	520.4	181,400	280,300*									175
180	63.8	517.9	173,000	270,600*									180
185	62.7	515.3	165,000	261,400*									185
190	61.5	512.6	157,600	252,700*									190
195	60.3	509.7	150,500	244,400*									195
200	59.1	506.7	143,800	236,500*	64.3	513.9	109,000	212,600*					200
205	57.9	503.6	137,400	229,000*	63.2	511.4	103,600	205,700*					205
210	56.7	500.3	131,400	221,800*	62.0	508.7	98,400	199,100*					210
215	55.5	496.8	125,600	215,000*	60.9	505.9	93,500	192,800*					215
220	54.2	493.2	120,100	208,400*	59.7	503.0	88,800	186,800*					220
225	52.9	489.4	114,800	202,200*	58.5	499.9	84,400	181,000*					225
230	51.6	485.5	109,800	196,200*	57.3	496.6	80,100	175,500*					230
235	50.3	481.3	105,000	190,400*	56.0	493.3	76,000	170,200*					235
240	48.9	477.0	100,400	184,900*	54.8	489.7	72,100	165,100*					240
245	47.5	472.4	96,000	179,600*	53.5	486.0	68,300	160,300*	58.9	493.9	41,000	141,200*	245
250	46.1	467.6	91,800	174,500*	52.2	482.1	64,700	155,600*	57.7	490.7	38,000	136,900*	250
260	43.2	457.2	83,800	164,800*	49.5	473.8	57,900	146,700*	55.2	483.9	32,300	128,800*	260
270	40.0	445.6	76,300	155,800*	46.8	464.6	51,500	138,400*	52.6	476.5	27,000	121,200*	270
280	36.7	432.7	69,400	147,500*	43.8	454.5	45,600	130,700*	50.0	468.2	22,100	114,200*	280
290	33.0	418.0	62,800	139,600*	40.8	443.2	40,100	123,500*	47.2	459.2	17,500	107,600*	290
300	29.0	400.9	56,600	132,100*	37.5	430.6	34,900	116,800*	44.4	449.3	13,200	101,400*	300
310	24.3	380.4	50,700	125,100*	33.9	416.4	29,900	110,400*	41.3	438.2	9,200	95,600*	310
320	18.5	353.9	44,900	118,300*	30.0	399.9	25,200	104,300*	38.1	425.9	5,300	90,100*	320
330	9.7	312.1	38,800	111,500*	25.4	380.3	20,700	98,500*	34.5	411.9	1,600	84,900*	330
340					20.0	355.5	16,200	92,900*	30.7	395.9		79,900*	340
350					12.3	319.4	11,500	87,300*	26.3	376.9		75,200*	350
360									21.0	353.3		70,500*	360
370									14.0	320.2		65,900*	370



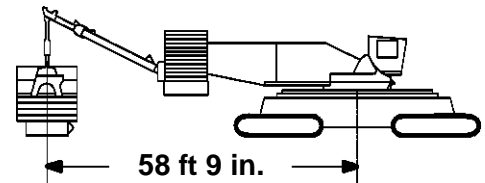
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
 Boom No. 80 With 140 ft Mast No. 81
 458,700 lb Crane Counterweight
 200,000 lb Carbody Counterweight
 599,300 lb Hanging Counterweight
 at 58 ft 9 in. Position
 Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
 ANSI B30.5
 Requirements



260 ft Boom, 300 ft Luffing Jib

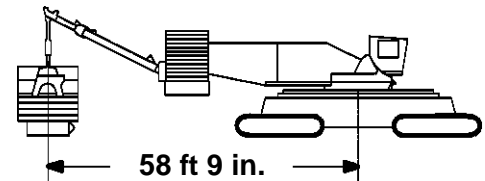
Jib Oper. Rad. Feet	80 Degree Boom Angle				75 Degree Boom Angle			
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds
160	69.8	548.6	204,600	256,900*				
165	68.8	546.6	194,500	256,900*				
170	67.8	544.6	185,000	256,900*				
175	66.7	542.4	176,100	256,900*				
180	65.7	540.1	167,800	256,900*				
185	64.6	537.7	159,900	256,900*				
190	63.6	535.2	152,400	248,400*				
195	62.5	532.6	145,400	240,100*				
200	61.4	529.9	138,700	232,300*				
205	60.3	527.0	132,300	224,800*				
210	59.2	524.0	126,300	217,700*	64.1	531.3	92,600	194,500*
215	58.1	520.9	120,600	210,900*	63.0	528.7	87,700	188,200*
220	56.9	517.7	115,100	204,400*	61.9	526.0	83,100	182,200*
225	55.8	514.2	109,900	198,100*	60.8	523.2	78,600	176,500*
230	54.6	510.7	104,900	192,200*	59.7	520.3	74,400	171,000*
235	53.4	507.0	100,100	186,400*	58.6	517.2	70,300	165,700*
240	52.2	503.1	95,600	181,000*	57.4	514.0	66,500	160,700*
245	51.0	499.0	91,200	175,700*	56.3	510.7	62,700	155,900*
250	49.7	494.8	87,000	170,600*	55.1	507.2	59,200	151,200*
260	47.1	485.7	79,100	161,000*	52.7	499.7	52,400	142,400*
270	44.4	475.8	71,700	151,300*	50.3	491.6	46,200	134,200*
280	41.6	464.8	64,900	139,200*	47.7	482.7	40,400	126,600*
290	38.6	452.7	58,400	127,700*	45.1	473.0	34,900	119,500*
300	35.4	439.1	52,400	117,000*	42.3	462.2	29,900	112,800*
310	31.9	423.7	46,700	107,000*	39.3	450.4	25,100	106,500*
320	28.0	405.8	41,300	97,600*	36.1	437.1	20,500	100,500*
330	23.5	384.5	36,000	88,900*	32.7	422.2	16,200	94,900*
340	17.9	357.0	30,900	80,900*	28.9	405.0	12,000	89,500*
350	9.4	313.7	25,400	74,500*	24.5	384.6	8,000	84,400*
360					19.3	358.9	4,000	79,400*
370					11.9	321.4		74,400*
380								
390								

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
599,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



280 ft Boom, 120 ft Luffing Jib

Jib Oper. Rad. Feet	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	
105				c									105
110				c									110
115	62.7	392.9	369,600	486,900*b									115
120	59.9	390.0	349,300	464,900*b									120
125	57.0	386.7	330,800	444,500*b									125
130	54.1	383.0	313,800	425,600*b									130
135	51.0	379.0	298,000	408,000*b				c					135
140	47.8	374.5	283,400	391,600*	62.1	386.8	237,800	360,800*b					140
145	44.4	369.4	269,700	376,200*	59.3	383.8	226,200	346,700*b					145
150	40.8	363.6	256,900	361,800*	56.5	380.5	215,400	333,500*b					150
155	36.8	357.0	244,900	348,200*	53.5	376.7	205,300	321,100*b					155
160	32.4	349.4	233,500	335,400*	50.4	372.6	195,700	309,400*b					160
165	27.4	340.1	222,600	323,100*	47.1	368.0	186,700	298,300*					165
170	21.2	328.1	211,900	311,300*	43.7	362.7	178,200	287,900*	58.4	375.2	142,400	263,200*b	170
175	12.0	309.5	200,900	299,500*	40.0	356.8	170,100	277,900*	55.5	371.7	135,700	254,100*b	175
180					36.0	350.0	162,400	268,400*	52.5	367.9	129,400	245,600*b	180
185					31.5	342.1	154,900	259,400*	49.4	363.6	123,300	237,400*b	185
190					26.3	332.4	147,600	250,600*	46.0	358.8	117,600	229,600*	190
195					19.7	319.6	140,300	242,000*	42.5	353.3	112,000	222,200*	195
200					8.8	297.4	132,100	233,000*	38.7	347.2	106,700	215,100*	200
205									34.6	340.0	101,500	208,200*	205
210									29.9	331.6	96,400	201,500*	210
215									24.4	321.1	91,300	195,000*	215
220									17.1	306.7	86,000	188,500*	220

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

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

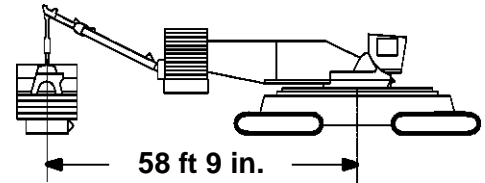


Liftcrane Luffing Jib Capacities

**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
599,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



280 ft Boom, 140 ft Luffing Jib

Jib Oper. Rad. Feet	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	
110				^c									110
115	66.9	415.2	365,200	482,700* ^b									115
120	64.6	412.8	345,100	460,800* ^b									120
125	62.3	410.2	326,800	440,500* ^b									125
130	59.9	407.3	309,900	421,800* ^b									130
135	57.5	404.1	294,300	404,400* ^b									135
140	55.0	400.5	279,900	388,200*									140
145	52.4	396.7	266,500	373,000*	64.1	406.8	220,800	342,000* ^b					145
150	49.7	392.4	254,100	358,900*	61.8	404.1	210,200	329,000* ^b					150
155	46.9	387.8	242,400	345,500*	59.4	401.1	200,200	316,700* ^b					155
160	44.0	382.6	231,400	333,000*	57.0	397.8	190,900	305,200* ^b					160
165	40.9	376.9	221,100	321,100*	54.5	394.3	182,200	294,400*					165
170	37.5	370.4	211,300	309,900*	51.9	390.3	173,900	284,100*					170
175	33.9	363.1	202,000	299,200*	49.2	386.0	166,100	274,400*					175
180	29.9	354.6	193,100	289,000*	46.3	381.2	158,700	265,200*	58.6	392.5	123,600	240,900* ^b	180
185	25.2	344.5	184,500	279,200*	43.3	376.0	151,700	256,400*	56.2	389.1	117,800	232,900* ^b	185
190	19.5	331.4	176,000	269,700*	40.2	370.1	145,000	248,000*	53.6	385.5	112,300	225,300*	190
195	11.0	311.2	167,100	260,200*	36.8	363.5	138,600	240,000*	51.0	381.4	107,000	218,100*	195
200					33.1	356.0	132,400	232,400*	48.3	376.9	102,000	211,200*	200
205					29.0	347.2	126,300	225,000*	45.4	372.0	97,200	204,500*	205
210					24.2	336.6	120,400	217,800*	42.4	366.6	92,500	198,200*	210
215					18.1	322.6	114,400	210,700*	39.1	360.5	88,000	192,100*	215
220					8.0	298.5	107,600	203,200*	35.7	353.6	83,700	186,200*	220
225									31.8	345.7	79,400	180,500*	225
230									27.5	336.4	75,200	175,000*	230
235									22.4	325.0	71,000	169,500*	235
240									15.7	309.3	66,500	164,000*	240

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

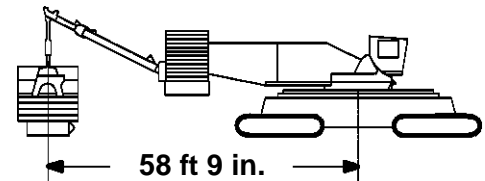
Do not luff into area indicated by (c) with 37,000 lb minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
599,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



280 ft Boom, 160 ft Luffing Jib

Jib Oper. Rad. Feet	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	
115	69.9	436.9	363,100	479,400* b									115
120	68.0	434.9	343,000	457,600* b									120
125	66.0	432.6	324,600	437,500* b									125
130	64.0	430.2	307,800	418,800* b									130
135	62.0	427.5	292,200	401,500* b									135
140	59.9	424.6	277,900	385,400*									140
145	57.8	421.4	264,500	370,400*									145
150	55.6	418.0	252,100	356,300*									150
155	53.4	414.3	240,600	343,100*	63.6	424.1	196,800	313,400* b					155
160	51.1	410.2	229,700	330,700*	61.6	421.4	187,600	302,000* b					160
165	48.7	405.8	219,600	319,000*	59.5	418.4	179,000	291,200*					165
170	46.2	401.1	210,000	308,000*	57.4	415.2	170,800	281,100*					170
175	43.7	395.8	200,900	297,500*	55.2	411.7	163,200	271,500*					175
180	40.9	390.1	192,400	287,600*	52.9	407.9	155,900	262,400*					180
185	38.0	383.8	184,200	278,100*	50.6	403.8	149,000	253,800*					185
190	34.9	376.7	176,500	269,100*	48.2	399.4	142,500	245,600*	58.8	409.9	108,400	221,900*	190
195	31.6	368.7	169,000	260,500*	45.7	394.5	136,300	237,800*	56.7	406.5	103,200	214,800*	195
200	27.8	359.5	161,900	252,200*	43.1	389.2	130,400	230,300*	54.5	403.0	98,300	208,000*	200
205	23.5	348.5	154,900	244,300*	40.4	383.3	124,700	223,200*	52.2	399.1	93,700	201,500*	205
210	18.2	334.5	147,900	236,400*	37.4	376.9	119,300	216,300*	49.9	394.9	89,200	195,300*	210
215	10.2	312.8	140,600	228,500*	34.3	369.6	114,000	209,700*	47.4	390.3	84,900	189,400*	215
220					30.8	361.4	108,900	203,400*	44.9	385.3	80,800	183,700*	220
225					27.0	351.9	104,000	197,200*	42.2	379.8	76,900	178,200*	225
230					22.5	340.4	99,000	191,200*	39.4	373.7	73,000	172,900*	230
235					16.9	325.5	94,000	185,300*	36.4	367.0	69,300	167,800*	235
240					7.4	299.6	88,300	179,000*	33.2	359.5	65,700	162,900*	240
245									29.7	351.0	62,100	158,100*	245
250									25.6	340.9	58,600	153,400*	250
260									14.6	311.7	51,200	144,100*	260

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

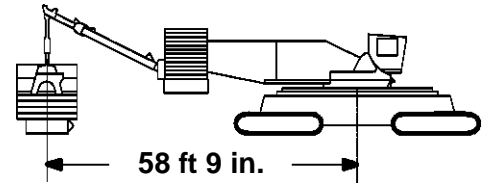


Liftcrane Luffing Jib Capacities

**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
599,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



280 ft Boom, 180 ft Luffing Jib

Jib Oper. Rad. Feet	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	
125	68.8	454.5	319,500	432,800* b									125
130	67.1	452.3	302,700	414,300* b									130
135	65.4	450.0	287,300	397,100* b									135
140	63.6	447.5	273,000	381,100*									140
145	61.8	444.8	259,800	366,200*									145
150	59.9	441.9	247,500	352,200*									150
155	58.1	438.8	236,000	339,100*									155
160	56.1	435.4	225,300	326,800*	65.0	444.0	181,600	297,100* b					160
165	54.2	431.8	215,200	315,200*	63.2	441.5	173,100	286,400*					165
170	52.2	427.9	205,800	304,200*	61.4	438.7	165,100	276,400*					170
175	50.1	423.7	196,900	293,900*	59.6	435.8	157,500	266,900*					175
180	47.9	419.2	188,500	284,100*	57.7	432.6	150,400	257,900*					180
185	45.7	414.3	180,500	274,800*	55.7	429.2	143,700	249,400*					185
190	43.4	409.1	172,900	265,900*	53.8	425.5	137,300	241,300*					190
195	41.0	403.3	165,700	257,500*	51.7	421.5	131,200	233,600*					195
200	38.4	397.1	158,900	249,400*	49.6	417.3	125,500	226,200*	59.0	427.2	92,100	203,100*	200
205	35.7	390.2	152,300	241,700*	47.5	412.7	120,000	219,200*	57.1	423.9	87,600	196,700*	205
210	32.8	382.6	146,000	234,300*	45.2	407.8	114,700	212,500*	55.1	420.4	83,300	190,600*	210
215	29.7	374.0	140,000	227,200*	42.9	402.4	109,700	206,100*	53.1	416.7	79,100	184,700*	215
220	26.1	364.1	134,100	220,400*	40.5	396.6	104,900	199,900*	51.1	412.6	75,200	179,200*	220
225	22.1	352.3	128,300	213,700*	37.9	390.2	100,200	194,000*	49.0	408.3	71,400	173,800*	225
230	17.0	337.4	122,500	207,200*	35.2	383.2	95,700	188,300*	46.8	403.6	67,700	168,600*	230
235	9.5	314.3	116,300	200,500*	32.2	375.4	91,300	182,800*	44.5	398.5	64,200	163,700*	235
240					29.0	366.5	87,100	177,500*	42.1	393.0	60,800	158,900*	240
245					25.4	356.3	82,900	172,300*	39.7	387.0	57,500	154,300*	245
250					21.1	344.1	78,800	167,200*	37.0	380.5	54,300	149,800*	250
260					6.9	300.6	69,500	156,600*	31.2	365.1	48,100	141,300*	260
270									24.1	345.1	42,100	133,200*	270
280									13.7	314.0	35,700	125,200*	280

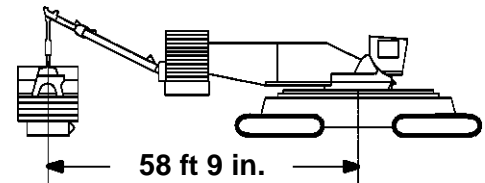
Capacities indicated by **(b)** require 37,000 lb minimum weight suspended beneath luffing jib point.

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
599,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



280 ft Boom, 200 ft Luffing Jib

Jib Oper. Rad. Feet	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	
130	69.5	474.0	298,900	410,800* b									130
135	68.0	472.0	283,500	393,700* b									135
140	66.4	469.8	269,300	377,700*									140
145	64.8	467.4	256,100	362,800*									145
150	63.2	464.9	243,800	348,900*									150
155	61.6	462.1	232,400	335,900*									155
160	59.9	459.2	221,800	323,600*									160
165	58.3	456.1	211,800	312,100*									165
170	56.5	452.8	202,400	301,200*	64.5	461.4	160,700	272,700*					170
175	54.8	449.3	193,600	290,900*	62.9	458.8	153,200	263,300*					175
180	53.0	445.5	185,200	281,200*	61.3	456.0	146,200	254,400*					180
185	51.1	441.5	177,400	272,000*	59.6	453.1	139,500	245,900*					185
190	49.3	437.1	169,900	263,200*	57.9	449.9	133,200	237,900*					190
195	47.3	432.5	162,800	254,900*	56.2	446.6	127,200	230,200*					195
200	45.3	427.6	156,100	246,900*	54.4	443.0	121,600	223,000*					200
205	43.2	422.3	149,700	239,300*	52.6	439.2	116,200	216,000*					205
210	41.0	416.6	143,600	232,100*	50.8	435.1	111,000	209,400*	59.1	444.5	78,700	186,900*	210
215	38.7	410.4	137,700	225,100*	48.9	430.7	106,100	203,100*	57.4	441.3	74,600	181,200*	215
220	36.3	403.6	132,100	218,500*	46.9	426.0	101,400	197,000*	55.6	437.9	70,700	175,600*	220
225	33.8	396.3	126,700	212,100*	44.9	421.0	96,900	191,200*	53.8	434.2	67,000	170,300*	225
230	31.0	388.1	121,500	205,900*	42.8	415.6	92,500	185,600*	52.0	430.3	63,500	165,300*	230
235	28.1	378.9	116,400	200,000*	40.6	409.8	88,400	180,200*	50.2	426.1	60,100	160,400*	235
240	24.7	368.4	111,500	194,200*	38.3	403.5	84,300	175,100*	48.2	421.6	56,800	155,700*	240
245	20.9	355.9	106,600	188,600*	35.8	396.7	80,400	170,100*	46.3	416.9	53,600	151,200*	245
250	16.1	340.1	101,700	183,000*	33.2	389.1	76,700	165,200*	44.2	411.7	50,600	146,800*	250
260					27.4	371.4	69,400	156,000*	39.8	400.3	44,700	138,600*	260
270					20.0	347.5	62,300	147,200*	35.0	386.7	39,200	130,800*	270
280					6.5	301.6	54,300	138,100*	29.5	370.3	33,900	123,500*	280
290									22.8	349.0	28,700	116,500*	290
300									12.9	316.1	23,200	109,400*	300

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

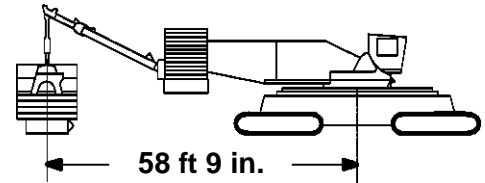


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
599,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



280 ft Boom, 220 ft Luffing Jib

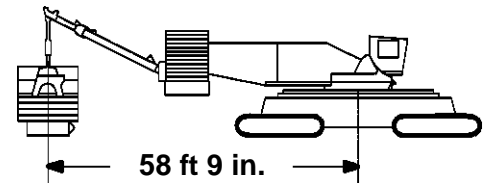
Jib Oper. Rad. Feet	80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing 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	
140	68.7	491.5	265,300	373,100*									140
145	67.3	489.4	252,000	358,300*									145
150	65.8	487.2	239,700	344,400*									150
155	64.4	484.8	228,300	331,400*									155
160	62.9	482.2	217,600	319,200*									160
165	61.5	479.5	207,600	307,800*									165
170	59.9	476.5	198,200	297,000*									170
175	58.4	473.5	189,400	286,700*									175
180	56.9	470.2	181,100	277,100*	64.1	478.7	140,700	249,500*					180
185	55.3	466.7	173,200	267,900*	62.6	476.1	134,100	241,100*					185
190	53.7	463.0	165,800	259,200*	61.1	473.4	127,900	233,100*					190
195	52.0	459.1	158,700	250,900*	59.6	470.4	121,900	225,600*					195
200	50.3	455.0	152,100	243,000*	58.1	467.3	116,300	218,400*					200
205	48.6	450.5	145,700	235,500*	56.5	464.0	110,900	211,500*					205
210	46.8	445.9	139,700	228,300*	54.9	460.5	105,800	204,900*					210
215	44.9	440.9	133,900	221,500*	53.3	456.7	101,000	198,700*					215
220	43.0	435.5	128,300	214,900*	51.7	452.8	96,300	192,700*	59.1	461.8	64,600	170,600*	220
225	41.1	429.8	123,100	208,600*	50.0	448.6	91,900	186,900*	57.6	458.7	61,000	165,400*	225
230	39.0	423.7	118,000	202,600*	48.2	444.1	87,600	181,400*	56.0	455.3	57,500	160,400*	230
235	36.8	417.0	113,100	196,800*	46.4	439.3	83,500	176,100*	54.4	451.7	54,200	155,600*	235
240	34.6	409.9	108,400	191,200*	44.6	434.3	79,600	171,000*	52.8	447.9	51,000	151,000*	240
245	32.1	402.0	103,800	185,800*	42.6	428.9	75,800	166,100*	51.1	443.9	47,900	146,600*	245
250	29.5	393.3	99,400	180,500*	40.6	423.1	72,200	161,400*	49.4	439.6	44,900	142,300*	250
260	23.5	372.5	90,900	170,500*	36.4	410.1	65,300	152,400*	45.8	430.2	39,300	134,200*	260
270	15.3	342.7	82,500	160,900*	31.6	394.8	58,700	144,000*	42.0	419.5	34,000	126,600*	270
280					26.1	375.9	52,400	136,100*	37.9	407.1	29,000	119,500*	280
290					19.0	350.8	46,300	128,500*	33.3	392.7	24,300	112,800*	290
300					6.1	302.5	39,200	120,500*	28.1	375.3	19,700	106,500*	300
310									21.7	352.8	15,200	100,300*	310
320									12.3	318.1	10,300	94,100*	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
599,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



280 ft Boom, 240 ft Luffing Jib

Jib Oper. Rad. Feet	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	
145	69.3	511.1	247,500	347,700*									145
150	68.0	509.0	235,200	340,500*									150
155	66.7	506.9	223,800	327,600*									155
160	65.4	504.6	213,100	315,400*									160
165	64.0	502.1	203,100	304,000*									165
170	62.7	499.5	193,700	293,200*									170
175	61.3	496.8	184,900	283,000*									175
180	59.9	493.9	176,700	273,400*									180
185	58.5	490.8	168,800	264,300*									185
190	57.1	487.6	161,400	255,600*	63.8	496.1	122,800	229,100*					190
195	55.7	484.1	154,500	247,300*	62.4	493.5	116,900	221,600*					195
200	54.2	480.5	147,800	239,500*	61.0	490.7	111,300	214,400*					200
205	52.7	476.7	141,500	232,000*	59.7	487.7	106,000	207,600*					205
210	51.2	472.7	135,500	224,900*	58.3	484.6	101,000	201,000*					210
215	49.6	468.4	129,800	218,100*	56.8	481.4	96,100	194,800*					215
220	48.0	463.9	124,300	211,600*	55.4	477.9	91,600	188,900*					220
225	46.4	459.2	119,100	205,300*	53.9	474.2	87,200	183,200*					225
230	44.7	454.1	114,100	199,300*	52.4	470.4	83,000	177,700*	59.2	479.2	52,200	156,300*	230
235	42.9	448.7	109,300	193,600*	50.9	466.3	78,900	172,400*	57.8	476.0	48,900	151,500*	235
240	41.1	443.0	104,700	188,100*	49.3	462.0	75,100	167,400*	56.4	472.7	45,800	147,000*	240
245	39.2	436.9	100,200	182,700*	47.7	457.5	71,400	162,600*	54.9	469.1	42,700	142,600*	245
250	37.2	430.4	95,900	177,600*	46.0	452.6	67,800	157,900*	53.4	465.4	39,800	138,300*	250
260	33.0	415.8	87,800	167,900*	42.5	442.1	61,000	149,100*	50.4	457.4	34,300	130,300*	260
270	28.2	398.3	80,200	158,800*	38.8	430.1	54,700	140,800*	47.1	448.4	29,200	122,900*	270
280	22.5	376.4	72,800	150,100*	34.8	416.3	48,700	133,100*	43.7	438.2	24,400	115,900*	280
290	14.6	345.2	65,500	141,800*	30.2	400.1	43,100	125,800*	40.1	426.8	19,900	109,300*	290
300					24.9	380.3	37,700	118,900*	36.2	413.7	15,500	103,200*	300
310					18.2	353.9	32,200	112,200*	31.8	398.4	11,400	97,300*	310
320					5.8	303.4	26,000	105,100*	26.8	380.0	7,400	91,700*	320
330									20.7	356.4	3,400	86,300*	330
340									11.7	320.1		80,800*	340

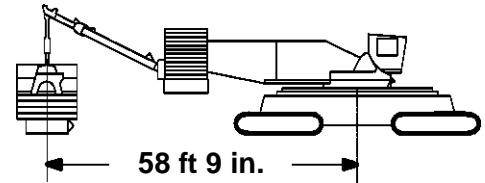


Liftcrane Luffing Jib Capacities

**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
599,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



280 ft Boom, 260 ft Luffing Jib

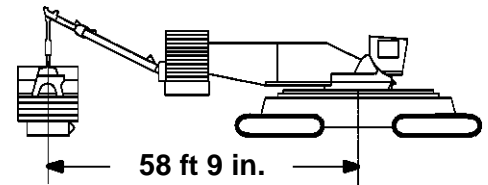
Jib Oper. Rad. Feet	80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing 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	
150	69.8	530.6	229,800	306,800*									150
155	68.6	528.6	218,400	306,800*									155
160	67.4	526.5	207,800	306,800*									160
165	66.2	524.3	197,800	299,500*									165
170	65.0	522.0	188,500	288,800*									170
175	63.7	519.5	179,700	278,700*									175
180	62.5	516.9	171,500	269,100*									180
185	61.2	514.1	163,700	260,000*									185
190	60.0	511.2	156,400	251,400*									190
195	58.7	508.1	149,400	243,200*	64.7	515.9	110,900	216,700*					195
200	57.4	504.9	142,800	235,400*	63.5	513.4	105,300	209,600*					200
205	56.0	501.5	136,500	227,900*	62.2	510.8	100,100	202,800*					205
210	54.7	498.0	130,600	220,800*	61.0	508.0	95,100	196,400*					210
215	53.3	494.3	124,900	214,100*	59.7	505.1	90,300	190,200*					215
220	51.9	490.3	119,500	207,600*	58.4	502.0	85,800	184,300*					220
225	50.5	486.2	114,300	201,400*	57.1	498.7	81,500	178,600*					225
230	49.0	481.9	109,400	195,500*	55.7	495.3	77,300	173,200*					230
235	47.5	477.3	104,600	189,800*	54.4	491.7	73,400	168,000*					235
240	46.0	472.5	100,100	184,300*	53.0	488.0	69,600	163,000*	59.3	496.5	39,500	142,000*	240
245	44.4	467.4	95,700	179,000*	51.6	484.0	65,900	158,200*	58.0	493.4	36,500	137,700*	245
250	42.8	462.0	91,500	174,000*	50.2	479.8	62,400	153,600*	56.7	490.1	33,600	133,500*	250
260	39.4	450.2	83,600	164,400*	47.2	470.8	55,800	144,900*	54.0	482.9	28,300	125,600*	260
270	35.7	436.8	76,200	155,400*	44.1	460.8	49,600	136,800*	51.1	475.1	23,300	118,200*	270
280	31.7	421.4	69,200	147,000*	40.8	449.5	43,800	129,200*	48.2	466.4	18,600	111,400*	280
290	27.1	403.1	62,600	139,100*	37.2	436.9	38,400	122,000*	45.2	456.7	14,200	105,000*	290
300	21.5	380.2	56,200	131,600*	33.3	422.3	33,300	115,300*	41.9	445.9	10,100	98,900*	300
310	14.0	347.5	49,800	124,200*	29.0	405.3	28,400	109,000*	38.5	433.7	6,200	93,200*	310
320					23.9	384.5	23,600	102,900*	34.7	419.9	2,500	87,800*	320
330					17.4	356.9	18,800	96,900*	30.5	403.8		82,700*	330
340					5.6	304.2	13,200	90,600*	25.7	384.5		77,700*	340
350									19.8	359.8		72,900*	350
360									11.2	321.9		68,000*	360

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
599,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



280 ft Boom, 280 ft Luffing Jib

Jib Oper. Rad. Feet	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	
160	69.1	548.2	203,500	273,500*									160
165	68.0	546.1	193,600	273,500*									165
170	66.9	544.0	184,300	273,500*									170
175	65.7	541.7	175,500	273,500*									175
180	64.6	539.3	167,300	265,600*									180
185	63.5	536.8	159,500	256,500*									185
190	62.3	534.2	152,200	247,900*									190
195	61.1	531.4	145,300	239,700*									195
200	60.0	528.5	138,700	232,000*									200
205	58.8	525.5	132,500	224,600*	64.4	533.3	95,400	199,100*					205
210	57.5	522.3	126,500	217,500*	63.2	530.8	90,400	192,600*					210
215	56.3	518.9	120,900	210,800*	62.1	528.1	85,700	186,500*					215
220	55.1	515.4	115,500	204,300*	60.9	525.3	81,200	180,600*					220
225	53.8	511.8	110,400	198,200*	59.7	522.4	76,900	175,000*					225
230	52.5	507.9	105,500	192,300*	58.5	519.3	72,800	169,600*					230
235	51.2	503.9	100,800	186,600*	57.3	516.1	68,900	164,400*					235
240	49.9	499.7	96,300	181,200*	56.1	512.7	65,100	159,500*					240
245	48.5	495.3	91,900	175,900*	54.8	509.2	61,500	154,700*					245
250	47.1	490.6	87,800	170,900*	53.5	505.5	58,000	150,100*	59.3	513.8	28,700	129,700*	250
260	44.2	480.6	79,900	161,400*	50.9	497.5	51,500	141,500*	56.9	507.4	23,500	121,800*	260
270	41.1	469.5	72,700	152,500*	48.2	488.8	45,400	133,400*	54.4	500.4	18,600	114,600*	270
280	37.9	457.1	65,900	144,300*	45.4	479.2	39,800	125,900*	51.8	492.7	14,000	107,800*	280
290	34.3	443.0	59,500	136,500*	42.4	468.5	34,500	118,900*	49.1	484.3	9,700	101,400*	290
300	30.5	426.8	53,400	129,200*	39.2	456.7	29,500	112,300*	46.3	475.0	5,700	95,500*	300
310	26.0	407.7	47,600	122,300*	35.8	443.3	24,800	106,100*	43.4	464.7	1,900	89,900*	310
320	20.7	383.7	42,000	115,700*	32.1	428.0	20,300	100,200*	40.3	453.3		84,600*	320
330	13.5	349.8	36,400	109,100*	27.9	410.2	16,000	94,600*	37.0	440.4		79,500*	330
340					23.0	388.5	11,700	89,200*	33.4	425.9		74,800*	340
350					16.7	359.7	7,500	83,900*	29.4	409.0		70,200*	350
360					5.3	305.0	2,500	78,200*	24.7	388.9		65,800*	360
370									19.1	363.1		61,200*	370
380									10.8	323.7		55,800*	380



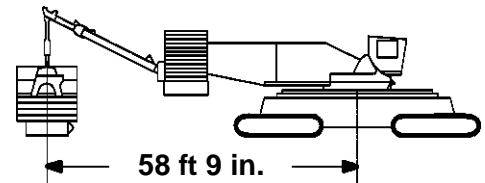
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
 Boom No. 80 With 140 ft Mast No. 81
 458,700 lb Crane Counterweight
 200,000 lb Carbody Counterweight
 599,300 lb Hanging Counterweight
 at 58 ft 9 in. Position
 Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
 ANSI B30.5
 Requirements



280 ft Boom, 300 ft Luffing Jib

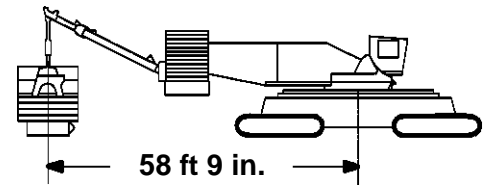
Jib Oper. Rad. Feet	80 Degree Boom Angle				75 Degree Boom Angle			
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds
165	69.5	567.7	188,100	241,000*				
170	68.5	565.7	178,900	241,000*				
175	67.5	563.6	170,100	241,000*				
180	66.4	561.4	162,000	241,000*				
185	65.4	559.1	154,200	241,000*				
190	64.3	556.7	146,900	241,000*				
195	63.2	554.2	140,000	235,400*				
200	62.2	551.5	133,500	227,700*				
205	61.1	548.7	127,300	220,300*				
210	60.0	545.8	121,400	213,300*				
215	58.8	542.8	115,800	206,600*	64.1	550.7	79,700	181,700*
220	57.7	539.6	110,400	200,200*	63.0	548.1	75,300	175,900*
225	56.6	536.3	105,300	194,000*	61.9	545.4	71,000	170,300*
230	55.4	532.9	100,400	188,200*	60.8	542.6	67,000	165,000*
235	54.2	529.3	95,800	182,500*	59.7	539.7	63,100	159,900*
240	53.0	525.5	91,300	177,100*	58.6	536.6	59,400	154,900*
245	51.8	521.6	87,000	171,900*	57.5	533.4	55,800	150,200*
250	50.6	517.5	82,900	166,900*	56.3	530.1	52,400	145,700*
260	48.0	508.6	75,100	157,500*	54.0	523.0	45,900	137,100*
270	45.4	499.0	67,900	148,700*	51.6	515.2	39,900	129,100*
280	42.6	488.4	61,200	140,500*	49.1	506.7	34,400	121,700*
290	39.7	476.7	55,000	131,500*	46.5	497.4	29,200	114,700*
300	36.5	463.7	49,100	120,600*	43.7	487.2	24,300	108,200*
310	33.1	449.0	43,500	110,400*	40.9	476.0	19,700	102,100*
320	29.4	432.0	38,200	100,800*	37.8	463.5	15,400	96,300*
330	25.1	412.1	33,100	91,900*	34.5	449.5	11,200	90,800*
340	20.0	387.2	28,200	83,700*	30.9	433.5	7,300	85,600*
350	13.0	352.0	23,100	76,600*	26.9	414.9	3,500	80,600*
360					22.2	392.4		75,800*
370					16.1	362.5		71,000*
380					5.1	305.8		65,900*

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
599,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



300 ft Boom, 120 ft Luffing Jib

Jib Oper. Rad. Feet	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	
105				c									105
110				c									110
115				c									115
120	61.8	411.7	342,000	457,200*b									120
125	59.0	408.7	323,700	437,100*b									125
130	56.2	405.3	307,000	418,500*b									130
135	53.2	401.6	291,500	401,200*b									135
140	50.1	397.4	277,100	385,100*b									140
145	46.8	392.7	263,700	370,000*	62.2	406.2	215,100	337,100*b					145
150	43.3	387.4	251,200	355,900*	59.4	403.2	204,700	324,200*b					150
155	39.6	381.4	239,400	342,500*	56.6	399.9	194,900	312,200*b					155
160	35.5	374.5	228,200	329,900*	53.6	396.2	185,800	300,800*b					160
165	31.0	366.4	217,600	317,900*	50.5	392.1	177,100	290,000*b					165
170	25.7	356.5	207,400	306,500*	47.2	387.4	169,000	279,900*b					170
175	18.9	343.3	197,300	295,300*	43.8	382.2	161,200	270,200*	59.5	395.1	122,600	243,700*b	175
180	6.6	317.9	186,100	283,700*	40.1	376.4	153,800	261,000*	56.6	391.8	116,700	235,400*b	180
185					36.1	369.6	146,800	252,300*	53.6	388.1	111,100	227,600*b	185
190					31.6	361.7	139,900	243,800*	50.5	384.0	105,800	220,100*b	190
195					26.5	352.1	133,200	235,700*	47.3	379.4	100,600	213,000*b	195
200					20.0	339.5	126,500	227,700*	43.8	374.2	95,700	206,100*	200
205					9.5	318.0	118,900	219,300*	40.2	368.3	90,900	199,600*	205
210									36.2	361.6	86,300	193,300*	210
215									31.7	353.7	81,700	187,100*	215
220									26.5	344.1	77,200	181,100*	220
225									20.1	331.5	72,500	175,200*	225
230									9.7	310.4	67,100	168,800*	230

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

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

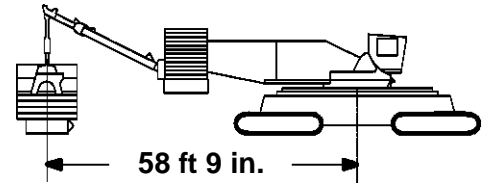


Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
599,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



300 ft Boom, 140 ft Luffing Jib

Jib Oper. Rad. Feet	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	
115				^c									115
120	66.2	434.2	337,400	452,900* ^b									120
125	63.9	431.7	319,300	433,000* ^b									125
130	61.6	429.0	302,700	414,500* ^b									130
135	59.2	426.0	287,400	397,400* ^b									135
140	56.7	422.7	273,300	381,500* ^b									140
145	54.2	419.1	260,100	366,600*									145
150	51.6	415.1	247,900	352,600*	64.2	426.2	199,000	319,500* ^b					150
155	48.9	410.8	236,400	339,500*	61.9	423.5	189,500	307,600* ^b					155
160	46.0	406.0	225,600	327,200*	59.5	420.5	180,500	296,400* ^b					160
165	43.0	400.6	215,500	315,500*	57.1	417.3	172,100	285,800* ^b					165
170	39.9	394.7	205,900	304,500*	54.5	413.7	164,200	275,800* ^b					170
175	36.4	388.0	196,800	294,000*	51.9	409.8	156,700	266,400*					175
180	32.7	380.4	188,200	284,000*	49.2	405.5	149,600	257,400*					180
185	28.5	371.4	179,800	274,500*	46.4	400.7	142,900	248,900*	59.5	412.5	105,100	222,700* ^b	185
190	23.6	360.6	171,700	265,300*	43.5	395.5	136,500	240,700*	57.1	409.2	99,900	215,400* ^b	190
195	17.4	346.2	163,600	256,300*	40.3	389.6	130,400	233,000*	54.6	405.6	95,000	208,500* ^b	195
200	5.9	318.7	154,500	246,700*	36.9	383.0	124,500	225,600*	52.0	401.7	90,400	201,800*	200
205					33.2	375.6	118,800	218,400*	49.3	397.4	85,900	195,500*	205
210					29.1	366.8	113,200	211,500*	46.5	392.7	81,600	189,400*	210
215					24.4	356.3	107,800	204,800*	43.5	387.4	77,500	183,600*	215
220					18.4	342.5	102,200	198,200*	40.4	381.6	73,500	177,900*	220
225					8.6	319.3	96,000	191,200*	37.0	375.0	69,600	172,500*	225
230									33.3	367.5	65,800	167,300*	230
235									29.2	358.8	62,000	162,100*	235
240									24.4	348.3	58,200	157,100*	240
245									18.5	334.6	54,300	152,100*	245
250									8.8	311.7	49,700	146,700*	250

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

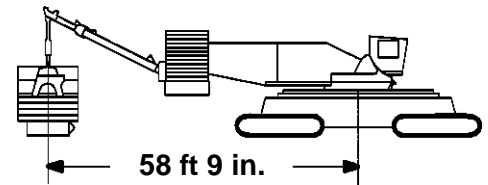
Do not luff into area indicated by (c) with 37,000 lb minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
599,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



300 ft Boom, 160 ft Luffing Jib

Jib Oper. Rad. Feet	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	
120	69.3	456.0	334,000	449,600* b									120
125	67.4	453.9	316,000	429,800* b									125
130	65.4	451.6	299,500	411,400* b									130
135	63.4	449.1	284,300	394,400* b									135
140	61.4	446.3	270,300	378,600* b									140
145	59.3	443.4	257,300	363,800*									145
150	57.1	440.1	245,100	350,000*									150
155	55.0	436.6	233,800	337,000*									155
160	52.7	432.8	223,200	324,800*	63.7	443.5	176,500	292,900* b					160
165	50.4	428.6	213,300	313,300*	61.6	440.8	168,200	282,500* b					165
170	48.0	424.1	203,900	302,400*	59.6	437.9	160,400	272,600* b					170
175	45.5	419.2	195,100	292,100*	57.4	434.7	153,100	263,300*					175
180	42.8	413.8	186,700	282,300*	55.3	431.2	146,200	254,400*					180
185	40.1	407.9	178,800	273,100*	53.0	427.4	139,600	246,000*					185
190	37.1	401.4	171,200	264,200*	50.7	423.3	133,400	238,100*					190
195	33.9	394.1	164,000	255,800*	48.3	418.9	127,500	230,400*	59.6	429.8	90,700	205,000* b	195
200	30.5	385.8	157,000	247,700*	45.8	414.0	121,800	223,200*	57.5	426.6	86,200	198,500*	200
205	26.6	376.1	150,300	239,900*	43.2	408.7	116,400	216,300*	55.3	423.1	81,900	192,200*	205
210	22.0	364.4	143,700	232,300*	40.5	402.9	111,300	209,600*	53.0	419.3	77,700	186,300*	210
215	16.2	348.9	137,000	224,900*	37.5	396.4	106,300	203,200*	50.7	415.2	73,800	180,600*	215
220	5.4	319.4	129,400	216,900*	34.4	389.2	101,400	197,100*	48.3	410.8	70,000	175,100*	220
225					31.0	381.0	96,800	191,200*	45.8	406.0	66,300	169,800*	225
230					27.1	371.6	92,200	185,400*	43.2	400.6	62,800	164,800*	230
235					22.7	360.2	87,600	179,800*	40.5	394.8	59,400	159,900*	235
240					17.1	345.4	83,000	174,200*	37.6	388.4	56,100	155,200*	240
245					8.0	320.5	77,700	168,300*	34.4	381.2	52,800	150,600*	245
250									31.0	373.0	49,600	146,200*	250
260									22.7	352.3	43,300	137,500*	260
270									8.2	312.9	36,000	128,600*	270

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

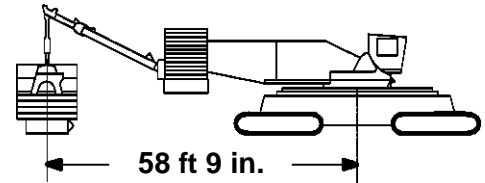


Liftcrane Luffing Jib Capacities

**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
599,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



300 ft Boom, 180 ft Luffing Jib

Jib Oper. Rad. Feet	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	
125	70.0	475.5	310,700	425,000* ^b									125
130	68.3	473.5	294,300	406,800* ^b									130
135	66.6	471.4	279,200	389,900* ^b									135
140	64.8	469.0	265,200	374,100* ^b									140
145	63.0	466.4	252,300	359,400*									145
150	61.2	463.6	240,200	345,700*									150
155	59.4	460.7	229,000	332,800*									155
160	57.5	457.5	218,500	320,700*									160
165	55.5	454.0	208,700	309,300*									165
170	53.6	450.3	199,500	298,500*	63.3	460.9	154,400	267,700*					170
175	51.5	446.4	190,800	288,300*	61.5	458.1	147,200	258,500*					175
180	49.4	442.1	182,500	278,700*	59.6	455.2	140,400	249,700*					180
185	47.3	437.5	174,800	269,500*	57.7	452.0	134,000	241,400*					185
190	45.0	432.5	167,400	260,800*	55.8	448.6	127,900	233,500*					190
195	42.7	427.1	160,400	252,500*	53.8	444.9	122,100	226,000*					195
200	40.2	421.2	153,700	244,600*	51.8	441.0	116,600	218,900*					200
205	37.6	414.7	147,300	237,100*	49.7	436.8	111,300	212,100*	59.6	447.1	75,400	187,200*	205
210	34.9	407.7	141,200	229,800*	47.6	432.2	106,300	205,600*	57.8	443.9	71,400	181,300*	210
215	31.9	399.8	135,300	222,900*	45.3	427.3	101,500	199,300*	55.8	440.5	67,600	175,700*	215
220	28.6	390.8	129,600	216,200*	43.0	421.9	96,900	193,300*	53.9	436.9	64,000	170,300*	220
225	25.0	380.4	124,000	209,700*	40.6	416.1	92,500	187,600*	51.8	432.9	60,400	165,200*	225
230	20.7	367.9	118,500	203,400*	38.0	409.8	88,200	182,100*	49.7	428.7	57,100	160,200*	230
235	15.2	351.4	112,900	197,100*	35.3	402.8	84,100	176,700*	47.6	424.1	53,800	155,500*	235
240	5.1	320.0	106,400	190,300*	32.3	395.0	80,100	171,600*	45.4	419.2	50,700	150,900*	240
245					29.1	386.2	76,200	166,600*	43.0	413.9	47,700	146,500*	245
250					25.5	376.0	72,300	161,700*	40.6	408.1	44,700	142,200*	250
260					16.0	348.1	64,500	152,100*	35.3	394.7	39,100	134,100*	260
270									29.1	378.2	33,600	126,400*	270
280									21.4	355.9	28,200	119,000*	280
290									7.6	314.1	21,800	111,200*	290

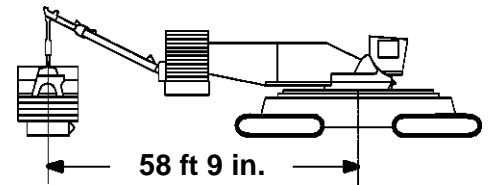
Capacities indicated by (b) require 37,000 lb minimum weight suspended beneath luffing jib point.

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
599,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



300 ft Boom, 200 ft Luffing Jib

Jib Oper. Rad. Feet	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	
135	69.1	493.1	276,700	386,300* b									135
140	67.5	491.0	262,600	370,600* b									140
145	65.9	488.8	249,600	356,000*									145
150	64.3	486.3	237,600	342,300*									150
155	62.7	483.7	226,300	329,500*									155
160	61.1	481.0	215,800	317,400*									160
165	59.4	478.0	206,000	306,100*									165
170	57.7	474.8	196,700	295,400*									170
175	56.0	471.5	188,000	285,300*	64.6	480.8	143,300	254,800*					175
180	54.2	467.8	179,900	275,700*	63.0	478.2	136,500	246,100*					180
185	52.4	464.0	172,100	266,600*	61.3	475.5	130,100	237,900*					185
190	50.6	459.9	164,800	258,000*	59.7	472.5	124,100	230,000*					190
195	48.7	455.5	157,900	249,800*	58.0	469.4	118,300	222,600*					195
200	46.7	450.8	151,200	242,000*	56.2	466.0	112,900	215,500*					200
205	44.7	445.7	145,000	234,500*	54.5	462.4	107,700	208,800*					205
210	42.5	440.3	139,000	227,400*	52.7	458.6	102,800	202,300*					210
215	40.3	434.4	133,200	220,600*	50.8	454.5	98,100	196,200*	59.7	464.4	63,100	171,900*	215
220	38.0	428.1	127,700	214,100*	48.9	450.2	93,500	190,300*	58.0	461.3	59,500	166,600*	220
225	35.6	421.2	122,400	207,800*	47.0	445.5	89,200	184,600*	56.3	458.0	56,100	161,600*	225
230	33.0	413.6	117,300	201,700*	44.9	440.5	85,100	179,200*	54.5	454.4	52,800	156,700*	230
235	30.2	405.1	112,400	195,900*	42.8	435.1	81,100	174,000*	52.7	450.5	49,600	152,000*	235
240	27.1	395.6	107,600	190,300*	40.6	429.4	77,200	169,000*	50.9	446.5	46,600	147,500*	240
245	23.6	384.5	102,900	184,800*	38.3	423.1	73,500	164,100*	49.0	442.1	43,600	143,200*	245
250	19.5	371.3	98,200	179,400*	35.9	416.2	69,900	159,400*	47.0	437.5	40,800	139,000*	250
260	4.7	320.7	87,800	168,200*	30.6	400.4	63,000	150,500*	42.9	427.1	35,400	131,100*	260
270					24.1	380.2	56,400	142,000*	38.4	415.0	30,400	123,700*	270
280					15.2	350.7	49,600	133,800*	33.4	400.7	25,500	116,700*	280
290									27.6	383.0	20,800	110,000*	290
300									20.2	359.4	16,100	103,600*	300
310									7.2	315.1	10,500	96,700*	310

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



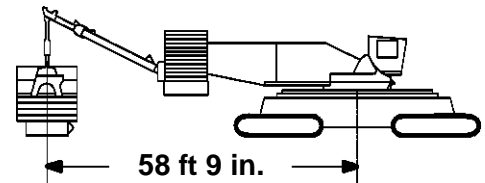
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
 Boom No. 80 With 140 ft Mast No. 81
 458,700 lb Crane Counterweight
 200,000 lb Carbody Counterweight
 599,300 lb Hanging Counterweight
 at 58 ft 9 in. Position
 Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
 ANSI B30.5
 Requirements



300 ft Boom, 220 ft Luffing Jib

Jib Oper. Rad. Feet	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	
140	69.7	512.6	257,100	356,700*									140
145	68.3	510.6	244,200	351,300*									145
150	66.8	508.5	232,100	337,700*									150
155	65.4	506.1	220,900	324,900*									155
160	64.0	503.7	210,500	312,900*									160
165	62.5	501.1	200,700	301,700*									165
170	61.0	498.3	191,500	291,000*									170
175	59.5	495.3	182,900	281,000*									175
180	57.9	492.2	174,800	271,500*									180
185	56.4	488.9	167,100	262,400*	64.2	498.1	123,900	232,900*					185
190	54.8	485.3	159,900	253,900*	62.7	495.5	118,000	225,100*					190
195	53.2	481.5	153,000	245,800*	61.2	492.8	112,300	217,800*					195
200	51.5	477.6	146,500	238,000*	59.7	489.8	106,900	210,800*					200
205	49.8	473.3	140,300	230,600*	58.2	486.7	101,800	204,100*					205
210	48.0	468.8	134,400	223,600*	56.6	483.4	97,000	197,700*					210
215	46.2	464.1	128,700	216,800*	55.0	479.9	92,400	191,600*					215
220	44.4	459.0	123,300	210,400*	53.4	476.2	87,900	185,800*					220
225	42.4	453.5	118,200	204,200*	51.7	472.2	83,700	180,200*	59.7	481.8	49,500	156,500*	225
230	40.4	447.7	113,200	198,300*	50.0	468.0	79,600	174,900*	58.2	478.6	46,300	151,700*	230
235	38.4	441.4	108,500	192,600*	48.3	463.6	75,800	169,700*	56.6	475.3	43,300	147,000*	235
240	36.2	434.6	103,900	187,100*	46.5	458.8	72,000	164,800*	55.0	471.8	40,300	142,600*	240
245	33.8	427.2	99,500	181,800*	44.6	453.8	68,400	160,000*	53.4	468.1	37,500	138,400*	245
250	31.4	419.1	95,200	176,600*	42.7	448.4	64,900	155,400*	51.7	464.2	34,700	134,300*	250
260	25.8	400.1	86,900	166,900*	38.6	436.4	58,400	146,700*	48.3	455.5	29,600	126,500*	260
270	18.6	374.4	78,900	157,500*	34.2	422.4	52,200	138,600*	44.7	445.7	24,700	119,200*	270
280	4.5	321.3	69,900	147,800*	29.1	405.6	46,200	130,900*	40.7	434.5	20,100	112,400*	280
290					22.9	384.2	40,500	123,600*	36.5	421.6	15,800	106,100*	290
300					14.4	353.1	34,600	116,400*	31.7	406.4	11,600	100,000*	300
310									26.2	387.7	7,600	94,200*	310
320									19.2	362.7	3,400	88,500*	320
330									6.8	316.2		82,400*	330