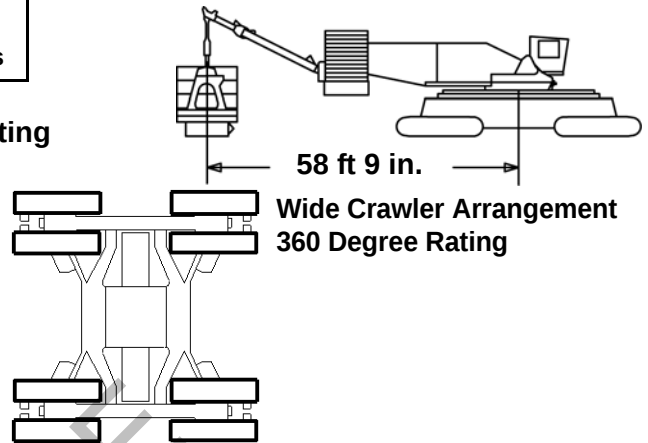
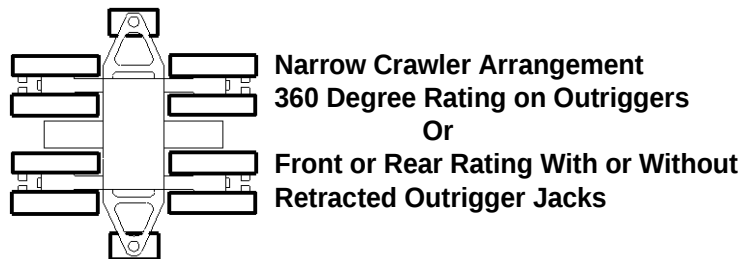


Liftcrane Luffing Jib Capacities

21000
MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 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.

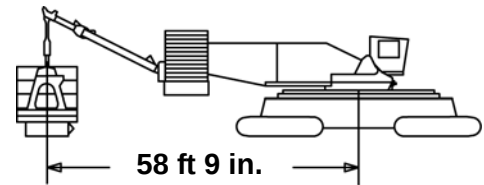
Liftcrane Luffing Jib Capacities

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
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



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

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

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

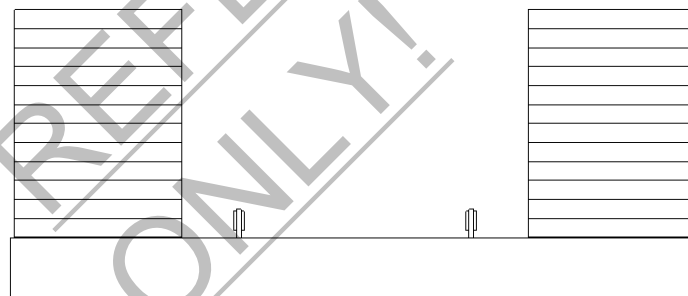
support straps, 22 part luffing jib hoist reeving, luffing jib and backstay support straps, 458,700 lb crane counterweight, two 53,500 lb and two 46,500 lb carbody counterweights and 423,300 lb hanging counterweight.

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

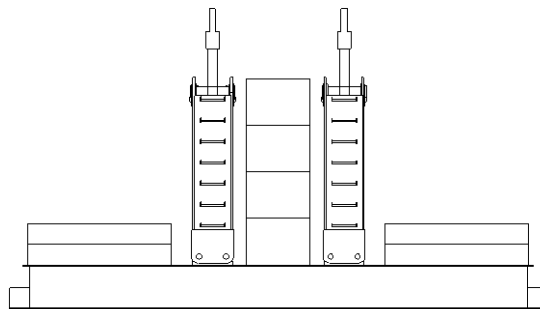
Warning: Narrow crawler arrangement requires set outrigger jacks to swing beyond front or rear operating range.

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

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



458,700 lb Crane Counterweight
24 Side Boxes



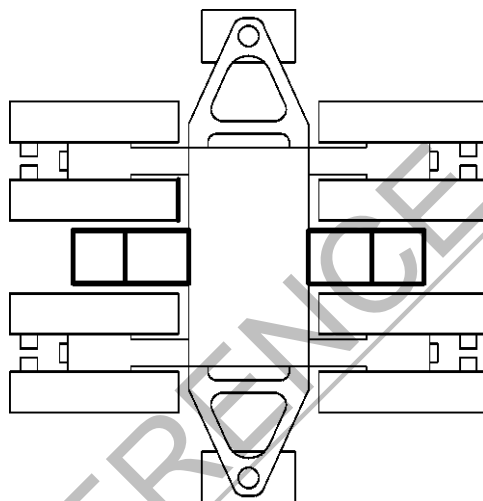
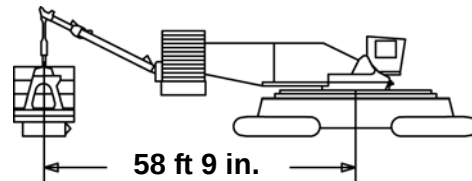
423,300 lb Hanging Counterweight
4 Side Boxes - 4 Center Boxes

Liftcrane Luffing Jib Capacities

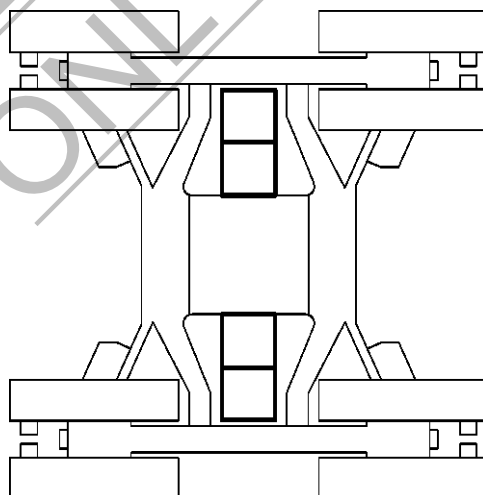
Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



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



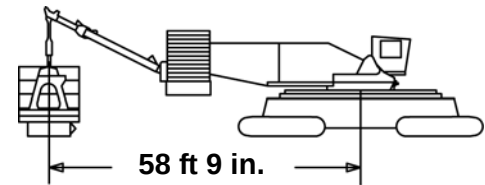
200,000 lb Carbody Counterweight
2 Inner Boxes - 2 Outer Boxes
Wide Crawler Arrangement

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
 Boom No. 80 With 140 ft Mast No. 81
 458,700 lb Crane Counterweight
 200,000 lb Carbody Counterweight
 423,300 lb Hanging Counterweight
 at 58 ft 9 in. Position
 Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
 ANSI B30.5
 Requirements

**21000
 MAX-ER**



WITH OR WITHOUT BOOM AND/OR JIB CATWALKS		
Maximum Boom and Luffing Jib Lengths Lifted Unassisted Using Jack-Knife Method With 423,300 lb Hanging Counterweight		
Boom Length Feet	Luffing Jib No. 81 Feet	Boom to Luffing Jib Angle Degrees
Over End Unblocked Crawlers		
180 - 220	120 - 300	90
240 - 260	120 - 300	60
Load blocks, hook and weight ball on ground until boom and luffing jib are erected.		

RAISING AND LOWERING PROCEDURE

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

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

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

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

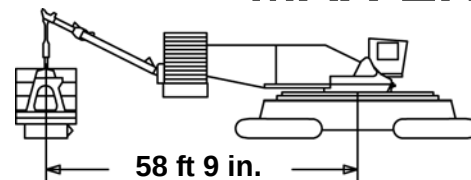
CAUTION: Do not under any condition allow boom to luffing jib angle to become less than 60 degrees.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



180 ft Boom, 120 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
60				c													60
65				c													65
70				c													70
75	66.4	300.2	570,600	751,600*b													75
80	63.7	297.7	525,400	702,900*b													80
85	61.0	294.9	486,000	659,800*b				c									85
90	58.2	291.8	451,400	621,200*b	66.8	298.3	409,600	594,000*b									90
95	55.2	288.3	420,800	586,500*b	64.1	295.8	381,700	560,900*b									95
100	52.2	284.4	393,400	555,200*	61.4	293.0	356,700	530,900*b									100
105	49.1	280.1	368,800	526,700*	58.6	290.0	334,300	503,700*b									105
110	45.7	275.2	346,500	500,600*	55.7	286.5	314,000	478,900*b	64.3	292.4	281,100	456,900*b					110
115	42.2	269.7	326,100	476,700*	52.7	282.7	295,500	456,100*	61.6	289.7	264,400	435,200*b					115
120	38.4	263.5	307,500	454,600*	49.5	278.4	278,600	435,100*	58.8	286.6	249,200	415,300*b					120
125	34.2	256.2	290,300	434,200*	46.2	273.7	263,100	415,800*	55.9	283.2	235,200	396,800*b					125
130	29.4	247.7	274,200	415,100*	42.7	268.3	248,700	397,700*	52.9	279.4	222,200	379,700*					130
135	23.8	237.0	259,000	397,200*	38.9	262.1	235,400	381,000*	49.8	275.2	210,300	363,800*	58.9	281.7	184,800	346,400*b	135
140	16.2	221.9	244,200	380,000*	34.8	255.1	222,900	365,200*	46.5	270.5	199,100	348,900*	56.0	278.3	174,900	332,300*b	140
145					30.2	246.7	211,100	350,400*	43.0	265.2	188,700	335,000*	53.0	274.5	165,600	319,100*	145
150					24.7	236.4	199,800	336,400*	39.3	259.1	178,900	321,900*	49.9	270.3	156,900	306,700*	150
155					17.5	222.3	188,600	322,900*	35.2	252.1	169,600	309,500*	46.6	265.6	148,700	295,100*	155
160									30.6	243.9	160,800	297,800*	43.1	260.3	141,000	284,100*	160
165									25.2	233.8	152,200	286,600*	39.4	254.2	133,600	273,600*	165
170									18.3	220.2	143,600	275,700*	35.3	247.3	126,600	263,700*	170
175									3.6	189.8	133,100	263,800*	30.7	239.1	119,800	254,300*	175
180													25.3	229.0	113,200	245,200*	180
185													18.4	215.5	106,400	236,200*	185
190													4.5	186.8	98,000	226,400*	190

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

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

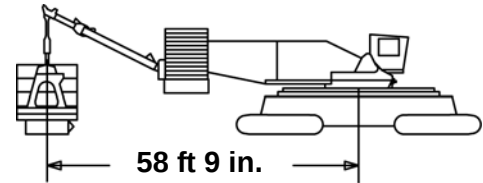
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 140 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
65				c													65
70				c													70
75	69.9	322.0	570,500	748,500*b													75
80	67.7	319.9	524,900	700,000*b													80
85	65.5	317.6	485,400	656,900*b													85
90	63.2	315.0	450,700	618,500*b													90
95	60.8	312.2	420,000	584,000*b	68.0	317.9	378,900	557,100*b									95
100	58.4	309.1	392,700	552,800*	65.8	315.6	354,000	527,300*b									100
105	56.0	305.7	368,100	524,400*	63.5	313.1	331,600	500,300*b									105
110	53.4	302.0	345,900	498,600*	61.2	310.4	311,400	475,600*b									110
115	50.8	297.9	325,800	474,900*	58.8	307.3	293,100	453,000*									115
120	48.0	293.4	307,400	453,000*	56.3	304.0	276,300	432,200*	63.7	309.7	245,200	411,300*b					120
125	45.1	288.5	290,500	432,900*	53.8	300.3	261,000	413,000*	61.4	307.0	231,300	393,000*b					125
130	42.1	282.9	274,900	414,200*	51.1	296.2	246,900	395,200*	59.0	304.0	218,600	376,000*					130
135	38.8	276.8	260,400	396,800*	48.4	291.8	233,800	378,700*	56.5	300.6	206,800	360,300*					135
140	35.3	269.8	247,000	380,500*	45.5	286.9	221,700	363,200*	54.0	297.0	195,900	345,600*					140
145	31.5	261.8	234,300	365,300*	42.5	281.5	210,300	348,800*	51.4	293.0	185,700	331,900*	59.0	299.0	161,100	315,000*	145
150	27.1	252.4	222,400	350,900*	39.3	275.4	199,700	335,200*	48.7	288.6	176,200	319,100*	56.6	295.7	152,600	302,800*	150
155	21.9	240.7	210,900	337,200*	35.8	268.6	189,700	322,500*	45.8	283.7	167,300	307,000*	54.0	292.1	144,600	291,400*	155
160	14.9	224.4	199,600	323,900*	32.0	260.8	180,300	310,400*	42.8	278.4	158,900	295,600*	51.4	288.1	137,200	280,600*	160
165					27.8	251.6	171,200	298,900*	39.6	272.4	151,000	284,800*	48.7	283.7	130,100	270,400*	165
170					22.7	240.3	162,400	287,900*	36.2	265.6	143,400	274,600*	45.9	278.9	123,500	260,800*	170
175					16.1	224.9	153,700	277,200*	32.4	257.9	136,200	264,900*	42.9	273.5	117,100	251,600*	175
180									28.2	248.9	129,200	255,600*	39.7	267.5	111,100	242,900*	180
185									23.2	237.8	122,400	246,700*	36.2	260.8	105,300	234,700*	185
190									16.8	223.0	115,500	237,900*	32.5	253.1	99,800	226,700*	190
195									3.1	190.0	106,900	228,200*	28.3	244.1	94,300	219,100*	195
200													23.3	233.1	89,000	211,500*	200
205													16.9	218.3	83,500	204,000*	205
210													4.0	187.1	76,400	195,700*	210

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

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

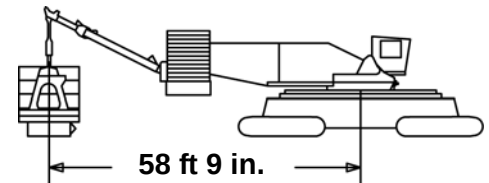
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 160 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
70				c													70
75	72.6	343.2	569,800	746,100* b													75
80	70.7	341.5	524,100	697,600* b													80
85	68.7	339.5	484,400	654,600* b													85
90	66.8	337.3	449,700	616,200* b													90
95	64.8	335.0	418,900	581,800* b													95
100	62.8	332.4	391,600	550,700*	69.0	337.5	351,500	524,500* b									100
105	60.7	329.5	367,000	522,500*	67.1	335.4	329,200	497,600* b									105
110	58.6	326.5	344,900	496,700*	65.1	333.0	309,100	473,000* b									110
115	56.5	323.1	324,800	473,100*	63.1	330.5	290,800	450,500*									115
120	54.3	319.5	306,500	451,400*	61.0	327.7	274,100	429,800*									120
125	52.0	315.6	289,700	431,400*	58.9	324.6	258,900	410,700*									125
130	49.6	311.4	274,300	412,900*	56.8	321.4	244,900	393,000*	63.3	327.1	215,500	373,100*					130
135	47.2	306.7	260,100	395,600*	54.6	317.8	232,000	376,600*	61.2	324.3	203,800	357,500*					135
140	44.7	301.7	246,900	379,600*	52.3	313.9	220,000	361,300*	59.1	321.3	193,000	342,900*					140
145	42.0	296.2	234,600	364,500*	50.0	309.7	208,800	347,000*	57.0	318.0	183,000	329,300*					145
150	39.2	290.1	223,100	350,500*	47.6	305.1	198,400	333,600*	54.8	314.5	173,700	316,600*					150
155	36.2	283.3	212,300	337,200*	45.0	300.2	188,700	321,000*	52.5	310.6	164,900	304,700*	59.2	316.4	141,200	288,400*	155
160	32.9	275.7	202,100	324,700*	42.4	294.7	179,600	309,200*	50.2	306.5	156,700	293,400*	57.0	313.1	133,900	277,700*	160
165	29.3	267.0	192,400	312,900*	39.6	288.7	170,900	298,000*	47.8	302.0	149,000	282,800*	54.8	309.6	127,000	267,700*	165
170	25.2	256.8	183,200	301,600*	36.6	282.0	162,800	287,400*	45.3	297.0	141,700	272,800*	52.6	305.7	120,600	258,200*	170
175	20.4	244.2	174,200	290,800*	33.4	274.6	155,000	277,400*	42.6	291.6	134,800	263,300*	50.2	301.6	114,400	249,200*	175
180	13.8	226.7	165,300	280,300*	29.9	266.1	147,600	267,800*	39.8	285.6	128,200	254,300*	47.8	297.1	108,600	240,700*	180
185					25.9	256.1	140,400	258,700*	36.9	279.0	122,000	245,800*	45.3	292.1	103,100	232,600*	185
190					21.1	243.9	133,400	249,800*	33.7	271.7	116,000	237,600*	42.7	286.7	97,800	224,900*	190
195					15.0	227.4	126,400	241,200*	30.2	263.3	110,200	229,700*	39.9	280.8	92,800	217,500*	195
200									26.2	253.5	104,600	222,200*	36.9	274.2	88,000	210,300*	200
205									21.6	241.5	99,100	214,900*	33.7	266.8	83,300	203,400*	205
210									15.6	225.6	93,400	207,500*	30.2	258.4	78,800	196,800*	210
215									2.8	190.1	86,200	199,200*	26.3	248.7	74,300	190,400*	215
220													21.7	236.8	69,900	184,100*	220
225													15.8	221.0	65,300	177,900*	225
230													3.6	187.4	59,400	170,900*	230

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

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

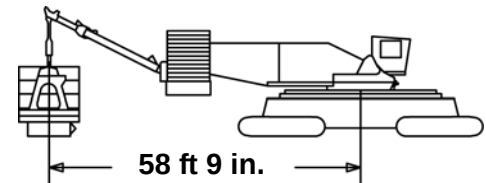
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 180 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
75	74.6	364.2	569,200	742,300* b													75
80	72.9	362.6	523,100	693,900* b													80
85	71.2	360.9	483,100	651,000* b													85
90	69.5	359.0	448,000	612,700* b													90
95	67.8	357.0	417,100	578,400*													95
100	66.0	354.7	389,500	547,300*													100
105	64.3	352.3	364,900	519,100*	69.7	357.0	325,700	493,400* b									105
110	62.5	349.7	342,700	493,500*	68.0	355.0	305,500	468,900*									110
115	60.6	346.9	322,500	469,900*	66.3	352.8	287,200	446,500*									115
120	58.8	343.8	304,200	448,300*	64.5	350.4	270,500	425,900*									120
125	56.9	340.5	287,400	428,400*	62.7	347.8	255,300	406,800*									125
130	54.9	337.0	272,000	409,900*	60.9	345.0	241,300	389,200*									130
135	52.9	333.2	257,800	392,800*	59.0	342.0	228,400	372,900*	64.7	347.0	199,200	353,100*					135
140	50.9	329.1	244,600	376,800*	57.2	338.7	216,500	357,700*	62.9	344.4	188,400	338,700*					140
145	48.8	324.8	232,400	361,900*	55.2	335.2	205,400	343,500*	61.1	341.6	178,500	325,200*					145
150	46.6	320.0	221,000	347,900*	53.2	331.5	195,100	330,200*	59.2	338.6	169,200	312,500*					150
155	44.3	314.9	210,400	334,800*	51.2	327.5	185,400	317,800*	57.3	335.4	160,500	300,700*					155
160	41.9	309.4	200,400	322,500*	49.1	323.1	176,400	306,000*	55.4	331.9	152,400	289,500*					160
165	39.4	303.4	191,000	310,900*	46.9	318.5	167,900	295,000*	53.4	328.2	144,800	279,100*	59.3	333.7	121,900	263,300*	165
170	36.8	296.7	182,100	299,900*	44.6	313.4	159,900	284,600*	51.4	324.2	137,600	269,100*	57.4	330.5	115,500	253,900*	170
175	34.0	289.4	173,700	289,500*	42.3	307.9	152,400	274,700*	49.3	319.9	130,900	259,800*	55.4	327.0	109,500	245,000*	175
180	30.9	281.2	165,700	279,500*	39.8	302.0	145,200	265,300*	47.1	315.3	124,500	250,900*	53.4	323.3	103,800	236,600*	180
185	27.5	271.9	158,100	270,100*	37.2	295.4	138,400	256,400*	44.8	310.3	118,400	242,500*	51.4	319.3	98,400	228,600*	185
190	23.7	260.9	150,700	261,000*	34.4	288.2	131,900	247,900*	42.5	304.8	112,600	234,500*	49.3	315.0	93,300	221,000*	190
195	19.1	247.4	143,400	252,300*	31.4	280.2	125,700	239,800*	40.0	298.9	107,100	226,800*	47.1	310.4	88,400	213,700*	195
200	13.0	228.8	136,100	243,600*	28.0	271.0	119,700	232,000*	37.4	292.4	101,800	219,500*	44.9	305.4	83,700	206,800*	200
205					24.3	260.3	113,900	224,600*	34.6	285.3	96,800	212,500*	42.5	299.9	79,300	200,100*	205
210					19.9	247.3	108,100	217,300*	31.7	277.3	91,900	205,800*	40.1	294.0	75,000	193,600*	210
215					14.0	229.7	102,300	210,100*	28.4	268.3	87,100	199,200*	37.5	287.6	70,900	187,500*	215
220									24.7	257.8	82,500	192,800*	34.7	280.4	66,900	181,500*	220
225									20.3	245.0	77,900	186,600*	31.7	272.5	63,100	175,800*	225
230									14.7	228.1	73,200	180,400*	28.4	263.5	59,300	170,300*	230
235									2.5	190.2	67,000	173,400*	24.7	253.0	55,600	164,900*	235
240													20.4	240.3	51,900	159,700*	240
245													14.8	223.4	48,000	154,400*	245
250													3.3	187.8	42,800	148,400*	250

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

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

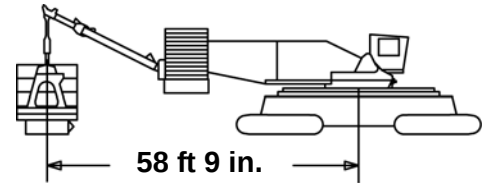
200,000 lb Carbody Counterweight

423,300 lb Hanging Counterweight

at 58 ft 9 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 200 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
80	74.7	383.6	521,400	646,100*(b)													80
85	73.2	382.0	481,200	646,100*(b)													85
90	71.6	380.4	446,000	609,900*(b)													90
95	70.1	378.5	415,000	575,500*													95
100	68.6	376.6	387,400	544,500*													100
105	67.0	374.4	362,600	516,400*													105
110	65.4	372.1	340,400	490,800*													110
115	63.8	369.6	320,200	467,300*	68.8	374.6	284,000	443,300*									115
120	62.2	367.0	301,900	445,700*	67.2	372.5	267,300	422,700*									120
125	60.6	364.2	285,100	425,800*	65.7	370.2	252,100	403,800*									125
130	58.9	361.1	269,700	407,400*	64.1	367.7	238,200	386,300*									130
135	57.2	357.9	255,500	390,300*	62.5	365.1	225,300	370,000*									135
140	55.5	354.5	242,400	374,400*	60.8	362.3	213,400	354,800*									140
145	53.7	350.8	230,300	359,600*	59.1	359.3	202,400	340,700*	64.2	364.3	174,700	321,900*					145
150	51.9	346.8	218,900	345,700*	57.4	356.1	192,100	327,500*	62.6	361.7	165,500	309,300*					150
155	50.0	342.6	208,400	332,700*	55.7	352.7	182,500	315,100*	61.0	358.9	156,900	297,500*					155
160	48.1	338.1	198,500	320,400*	53.9	349.0	173,600	303,400*	59.3	356.0	148,800	286,500*					160
165	46.1	333.3	189,200	308,900*	52.1	345.1	165,200	292,400*	57.6	352.8	141,300	276,000*					165
170	44.0	328.2	180,400	298,000*	50.3	341.0	157,300	282,100*	55.9	349.4	134,200	266,200*					170
175	41.9	322.6	172,200	287,700*	48.3	336.5	149,800	272,300*	54.1	345.7	127,500	256,900*	59.3	351.0	105,500	241,700*	175
180	39.6	316.6	164,400	277,900*	46.4	331.8	142,800	263,000*	52.3	341.9	121,200	248,100*	57.6	347.9	99,900	233,300*	180
185	37.3	310.1	157,000	268,700*	44.3	326.7	136,100	254,200*	50.4	337.7	115,200	239,700*	55.9	344.5	94,600	225,400*	185
190	34.8	303.0	149,900	259,800*	42.2	321.2	129,800	245,900*	48.5	333.3	109,600	231,800*	54.1	340.8	89,500	217,900*	190
195	32.1	295.1	143,200	251,400*	40.0	315.2	123,700	237,900*	46.5	328.6	104,200	224,300*	52.3	337.0	84,700	210,700*	195
200	29.2	286.4	136,700	243,400*	37.6	308.8	118,000	230,300*	44.5	323.5	99,000	217,100*	50.5	332.8	80,200	203,900*	200
205	26.0	276.4	130,500	235,600*	35.2	301.8	112,500	223,000*	42.4	318.0	94,100	210,200*	48.5	328.4	75,900	197,300*	205
210	22.4	264.8	124,500	228,200*	32.5	294.0	107,200	216,100*	40.2	312.1	89,400	203,600*	46.6	323.7	71,700	190,900*	210
215	18.1	250.5	118,500	220,900*	29.7	285.4	102,100	209,400*	37.8	305.8	85,000	197,200*	44.5	318.6	67,700	184,900*	215
220	12.3	230.8	112,400	213,700*	26.5	275.7	97,100	202,900*	35.4	298.8	80,600	191,100*	42.4	313.2	63,900	179,100*	220
225					23.0	264.3	92,300	196,600*	32.8	291.1	76,400	185,100*	40.2	307.3	60,300	173,500*	225
230					18.8	250.5	87,500	190,400*	29.9	282.6	72,400	179,400*	37.9	300.9	56,700	168,100*	230
235					13.3	231.9	82,600	184,200*	26.8	273.0	68,400	173,900*	35.4	294.0	53,300	163,000*	235
240									23.3	261.8	64,500	168,500*	32.8	286.3	50,000	158,000*	240
245									19.2	248.3	60,600	163,300*	30.0	277.8	46,800	153,200*	245
250									13.9	230.4	56,600	158,000*	26.9	268.2	43,600	148,500*	250
260													19.3	243.6	37,200	139,500*	260
270													3.1	188.1	29,400	129,800*	270

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

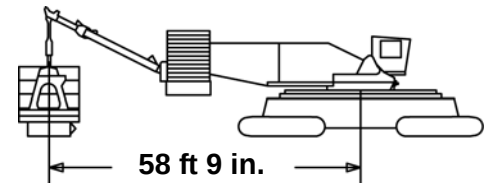
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 220 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
90	73.4	401.4	443,000	558,500*													90
95	72.0	399.8	411,800	558,500*													95
100	70.6	398.0	384,100	540,800*													100
105	69.2	396.1	359,300	512,800*													105
110	67.8	394.0	337,000	487,200*													110
115	66.4	391.9	316,800	463,700*													115
120	65.0	389.5	298,400	442,200*	69.4	394.1	262,800	418,500*									120
125	63.5	387.0	281,600	422,300*	68.0	392.1	247,600	399,600*									125
130	62.0	384.3	266,200	404,000*	66.6	389.9	233,600	382,200*									130
135	60.5	381.5	252,000	386,900*	65.2	387.6	220,800	365,900*									135
140	59.0	378.5	238,900	371,000*	63.7	385.1	208,900	350,800*									140
145	57.5	375.3	226,700	356,200*	62.2	382.4	197,900	336,700*									145
150	55.9	371.9	215,400	342,400*	60.7	379.6	187,700	323,600*									150
155	54.3	368.3	204,900	329,400*	59.2	376.6	178,200	311,200*	63.8	381.7	151,700	293,200*					155
160	52.6	364.4	195,000	317,200*	57.7	373.5	169,300	299,600*	62.4	379.0	143,700	282,100*					160
165	51.0	360.4	185,800	305,800*	56.1	370.1	160,900	288,700*	60.9	376.2	136,200	271,800*					165
170	49.2	356.1	177,100	294,900*	54.5	366.5	153,000	278,400*	59.4	373.3	129,200	262,000*					170
175	47.5	351.5	168,900	284,700*	52.9	362.7	145,700	268,700*	57.8	370.1	122,500	252,800*					175
180	45.7	346.6	161,200	275,000*	51.2	358.7	138,700	259,500*	56.3	366.8	116,300	244,000*					180
185	43.8	341.4	153,900	265,800*	49.5	354.4	132,100	250,700*	54.7	363.2	110,400	235,700*	59.4	368.4	89,000	220,900*	185
190	41.8	335.8	147,000	257,100*	47.7	349.9	125,800	242,400*	53.0	359.5	104,800	227,900*	57.8	365.2	84,000	213,500*	190
195	39.8	329.9	140,400	248,700*	45.9	345.0	119,900	234,600*	51.4	355.4	99,500	220,400*	56.3	361.9	79,400	206,400*	195
200	37.7	323.4	134,100	240,800*	44.1	339.9	114,200	227,000*	49.7	351.2	94,400	213,200*	54.7	358.3	74,900	199,600*	200
205	35.5	316.5	128,100	233,200*	42.1	334.4	108,900	219,900*	47.9	346.7	89,600	206,400*	53.1	354.5	70,600	193,100*	205
210	33.1	308.9	122,300	226,000*	40.1	328.5	103,700	213,000*	46.1	341.9	85,000	200,000*	51.4	350.5	66,600	186,900*	210
215	30.6	300.6	116,800	219,000*	38.0	322.1	98,800	206,400*	44.2	336.7	80,700	193,700*	49.7	346.3	62,700	180,900*	215
220	27.8	291.3	111,500	212,400*	35.8	315.2	94,100	200,100*	42.3	331.3	76,500	187,700*	47.9	341.8	59,000	175,100*	220
225	24.8	280.8	106,300	205,900*	33.4	307.7	89,500	194,100*	40.3	325.4	72,400	181,800*	46.1	337.0	55,400	169,600*	225
230	21.3	268.5	101,300	199,700*	30.9	299.5	85,100	188,200*	38.2	319.1	68,500	176,200*	44.3	331.9	52,000	164,400*	230
235	17.2	253.5	96,300	193,600*	28.2	290.4	80,800	182,400*	36.0	312.3	64,800	170,900*	42.3	326.4	48,700	159,300*	235
240	11.6	232.7	91,100	187,300*	25.2	280.1	76,700	176,900*	33.7	304.8	61,200	165,700*	40.3	320.5	45,500	154,400*	240
245					21.9	268.1	72,600	171,500*	31.2	296.7	57,700	160,700*	38.2	314.2	42,500	149,700*	245
250					17.8	253.6	68,500	166,200*	28.5	287.6	54,200	155,900*	36.0	307.4	39,500	145,200*	250
260									22.2	265.7	47,600	146,600*	31.2	291.9	33,800	136,600*	260
270									13.2	232.6	40,700	137,600*	25.6	272.7	28,300	128,500*	270
280													18.3	246.7	22,800	120,700*	280
290													2.9	188.3	16,000	112,300*	290

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

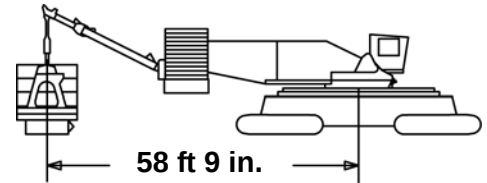
Liftcrane Luffing Jib Capacities

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
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 240 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
100	72.3	419.2	382,400	486,100*													100
105	71.0	417.5	357,300	486,100*													105
110	69.8	415.6	334,800	483,800*													110
115	68.5	413.6	314,400	460,400*													115
120	67.2	411.5	295,900	438,900*													120
125	65.9	409.3	279,000	419,100*	69.9	413.6	244,200	396,000*									125
130	64.5	406.9	263,500	400,700*	68.7	411.7	230,200	378,500*									130
135	63.2	404.3	249,200	383,700*	67.4	409.6	217,300	362,300*									135
140	61.9	401.6	236,000	367,800*	66.1	407.3	205,400	347,300*									140
145	60.5	398.8	223,800	353,100*	64.7	405.0	194,300	333,200*									145
150	59.1	395.8	212,400	339,200*	63.4	402.4	184,100	320,100*									150
155	57.7	392.6	201,900	326,300*	62.1	399.8	174,500	307,700*									155
160	56.2	389.3	192,000	314,100*	60.7	396.9	165,600	296,200*	64.9	401.5	139,400	278,400*					160
165	54.8	385.7	182,700	302,700*	59.3	394.0	157,200	285,300*	63.5	399.0	132,000	268,000*					165
170	53.3	382.0	174,000	291,900*	57.9	390.8	149,400	275,000*	62.2	396.4	124,900	258,300*					170
175	51.8	378.0	165,800	281,700*	56.4	387.5	142,000	265,300*	60.8	393.6	118,300	249,100*					175
180	50.2	373.9	158,100	272,000*	55.0	384.0	135,000	256,100*	59.4	390.6	112,100	240,400*					180
185	48.6	369.5	150,800	262,900*	53.5	380.3	128,400	247,500*	58.0	387.5	106,200	232,100*					185
190	47.0	364.8	143,900	254,200*	52.0	376.4	122,200	239,200*	56.6	384.2	100,600	224,300*					190
195	45.3	359.9	137,400	245,900*	50.4	372.2	116,300	231,300*	55.1	380.7	95,300	216,800*	59.4	385.7	74,700	202,500*	195
200	43.6	354.6	131,100	238,000*	48.9	367.9	110,700	223,900*	53.6	377.0	90,300	209,800*	58.0	382.6	70,300	195,800*	200
205	41.8	349.1	125,200	230,500*	47.2	363.2	105,300	216,700*	52.1	373.1	85,600	203,000*	56.6	379.2	66,100	189,400*	205
210	39.9	343.1	119,600	223,400*	45.6	358.3	100,200	209,900*	50.6	369.0	81,000	196,600*	55.1	375.8	62,000	183,200*	210
215	38.0	336.8	114,100	216,500*	43.8	353.1	95,400	203,400*	49.0	364.6	76,700	190,400*	53.7	372.1	58,200	177,300*	215
220	36.0	329.9	109,000	209,900*	42.1	347.6	90,700	197,200*	47.4	360.0	72,500	184,400*	52.2	368.2	54,500	171,600*	220
225	33.9	322.6	104,000	203,600*	40.2	341.7	86,300	191,200*	45.7	355.1	68,500	178,600*	50.6	364.1	51,000	166,100*	225
230	31.6	314.5	99,200	197,600*	38.3	335.4	82,000	185,500*	44.0	350.0	64,700	173,100*	49.0	359.7	47,700	160,900*	230
235	29.2	305.7	94,600	191,700*	36.3	328.7	77,900	179,800*	42.2	344.5	61,100	167,800*	47.4	355.1	44,400	155,900*	235
240	26.6	296.0	90,100	186,100*	34.2	321.4	73,900	174,400*	40.4	338.6	57,500	162,700*	45.7	350.3	41,300	151,100*	240
245	23.7	284.9	85,700	180,500*	31.9	313.5	70,000	169,200*	38.5	332.4	54,100	157,800*	44.0	345.1	38,300	146,400*	245
250	20.4	272.0	81,400	175,100*	29.5	304.8	66,300	164,200*	36.5	325.7	50,900	153,100*	42.3	339.6	35,400	142,000*	250
260	11.1	234.6	72,600	164,400*	24.1	284.3	59,100	154,600*	32.1	310.6	44,600	144,100*	38.5	327.5	30,000	133,600*	260
270					17.0	256.5	52,100	145,400*	27.2	292.4	38,600	135,700*	34.4	313.6	24,800	125,700*	270
280									21.2	269.3	32,800	127,700*	29.8	297.1	19,900	118,300*	280
290									12.6	234.7	26,900	119,900*	24.4	276.9	15,100	111,300*	290
300													17.5	249.7	10,300	104,500*	300
310													2.7	188.6	4,200	97,000*	310

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

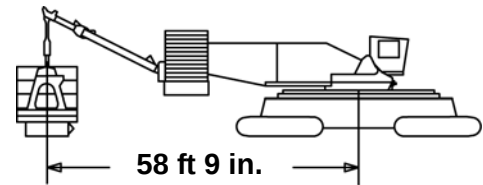
200,000 lb Carbody Counterweight

423,300 lb Hanging Counterweight

at 58 ft 9 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 260 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
105	72.6	438.6	353,800	423,300*													105
110	71.4	436.9	331,200	423,300*													110
115	70.2	435.1	310,800	423,300*													115
120	69.0	433.2	292,200	423,300*													120
125	67.8	431.1	275,200	415,400*													125
130	66.6	429.0	259,700	397,100*													130
135	65.4	426.7	245,400	380,100*	69.2	431.2	212,600	358,200*									135
140	64.2	424.2	232,200	364,300*	68.0	429.2	200,700	343,100*									140
145	63.0	421.7	220,000	349,500*	66.8	427.0	189,700	329,100*									145
150	61.7	419.0	208,600	335,700*	65.6	424.7	179,400	316,000*									150
155	60.4	416.1	198,000	322,800*	64.4	422.3	169,900	303,700*									155
160	59.2	413.1	188,100	310,700*	63.1	419.8	161,000	292,200*									160
165	57.9	410.0	178,900	299,200*	61.9	417.1	152,600	281,400*									165
170	56.5	406.7	170,200	288,500*	60.6	414.3	144,800	271,100*	64.5	418.9	119,700	253,900*					170
175	55.2	403.2	162,000	278,300*	59.3	411.3	137,400	261,500*	63.3	416.4	113,100	244,800*					175
180	53.8	399.5	154,300	268,700*	58.0	408.2	130,500	252,300*	62.0	413.7	106,900	236,100*					180
185	52.4	395.7	147,100	259,600*	56.7	404.9	123,900	243,700*	60.7	410.9	101,000	227,900*					185
190	51.0	391.6	140,200	250,900*	55.4	401.4	117,800	235,500*	59.5	407.9	95,500	220,100*					190
195	49.6	387.4	133,700	242,700*	54.0	397.8	111,900	227,600*	58.2	404.8	90,300	212,700*					195
200	48.1	382.9	127,500	234,800*	52.6	394.0	106,300	220,200*	56.8	401.5	85,300	205,700*					200
205	46.6	378.1	121,600	227,400*	51.2	389.9	101,000	213,100*	55.5	398.1	80,600	198,900*	59.5	403.0	60,500	185,000*	205
210	45.0	373.1	116,000	220,300*	49.8	385.7	96,000	206,400*	54.2	394.5	76,100	192,500*	58.2	399.9	56,500	178,900*	210
215	43.4	367.9	110,600	213,400*	48.3	381.2	91,100	199,900*	52.8	390.7	71,800	186,400*	56.9	396.6	52,700	173,000*	215
220	41.8	362.3	105,500	206,900*	46.8	376.5	86,500	193,700*	51.4	386.7	67,700	180,600*	55.5	393.2	49,100	167,300*	220
225	40.1	356.4	100,600	200,700*	45.2	371.6	82,100	187,800*	49.9	382.5	63,800	174,800*	54.2	389.6	45,700	161,900*	225
230	38.3	350.1	95,900	194,700*	43.6	366.4	77,900	182,100*	48.4	378.0	60,000	169,400*	52.8	385.8	42,400	156,700*	230
235	36.4	343.4	91,400	188,900*	42.0	360.8	73,900	176,600*	46.9	373.4	56,400	164,100*	51.4	381.8	39,200	151,800*	235
240	34.5	336.1	87,100	183,400*	40.3	355.0	70,000	171,300*	45.4	368.4	53,000	159,100*	49.9	377.6	36,200	147,000*	240
245	32.5	328.4	82,900	178,000*	38.5	348.7	66,200	166,100*	43.8	363.2	49,600	154,200*	48.5	373.1	33,200	142,400*	245
250	30.3	319.9	78,800	172,800*	36.7	342.1	62,600	161,200*	42.2	357.7	46,400	149,600*	47.0	368.5	30,400	138,000*	250
260	25.5	300.4	71,100	162,800*	32.8	327.2	55,800	151,800*	38.7	345.7	40,400	140,700*	43.8	358.3	25,100	129,700*	260
270	19.5	275.4	63,600	153,400*	28.3	309.8	49,300	143,000*	35.0	332.0	34,700	132,500*	40.5	347.0	20,100	122,000*	270
280	10.6	236.3	56,000	144,100*	23.1	288.3	43,100	134,800*	30.8	316.1	29,300	124,800*	36.9	334.2	15,400	114,700*	280
290					16.3	259.3	36,900	126,800*	26.1	297.0	24,100	117,500*	33.0	319.5	10,900	108,000*	290
300									20.3	272.9	19,100	110,500*	28.6	302.2	6,700	101,500*	300
310									12.0	236.7	13,800	103,600*	23.4	281.0	2,500	95,400*	310
320													16.8	252.6		89,400*	320
330													2.5	188.9		82,700*	330

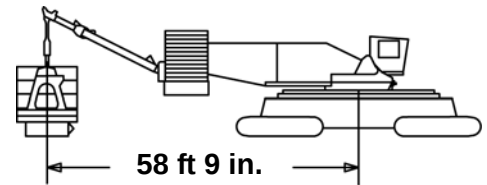
Liftcrane Luffing Jib Capacities

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
423,300 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	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
115	71.7	456.4	307,700	369,900*													115
120	70.6	454.6	289,100	369,900*													120
125	69.5	452.7	272,100	369,900*													125
130	68.4	450.7	256,500	369,900*													130
135	67.3	448.6	242,200	369,900*													135
140	66.2	446.4	228,900	361,200*	69.7	450.7	196,900	339,800*									140
145	65.0	444.0	216,700	346,500*	68.6	448.7	185,800	325,800*									145
150	63.9	441.6	205,300	332,700*	67.5	446.6	175,600	312,700*									150
155	62.8	439.0	194,700	319,800*	66.3	444.4	166,000	300,400*									155
160	61.6	436.3	184,800	307,700*	65.2	442.1	157,100	288,900*									160
165	60.4	433.4	175,600	296,300*	64.1	439.7	148,800	278,100*									165
170	59.2	430.5	166,900	285,600*	62.9	437.1	141,000	267,900*									170
175	58.0	427.3	158,700	275,400*	61.8	434.4	133,600	258,300*									175
180	56.8	424.0	151,100	265,800*	60.6	431.6	126,700	249,100*	64.2	436.3	102,700	232,600*					180
185	55.5	420.6	143,800	256,700*	59.4	428.6	120,200	240,500*	63.0	433.7	96,800	224,400*					185
190	54.3	417.0	136,900	248,100*	58.2	425.5	114,000	232,300*	61.9	431.0	91,300	216,700*					190
195	53.0	413.2	130,400	239,900*	57.0	422.2	108,200	224,500*	60.7	428.2	86,100	209,300*					195
200	51.7	409.3	124,300	232,100*	55.7	418.8	102,600	217,100*	59.5	425.2	81,200	202,300*					200
205	50.4	405.1	118,400	224,600*	54.5	415.2	97,300	210,100*	58.3	422.2	76,500	195,600*					205
210	49.0	400.8	112,800	217,500*	53.2	411.5	92,300	203,300*	57.1	418.9	72,000	189,200*					210
215	47.6	396.2	107,500	210,800*	51.9	407.6	87,500	196,900*	55.8	415.5	67,800	183,200*	59.5	420.3	48,300	169,500*	215
220	46.2	391.4	102,400	204,300*	50.6	403.5	83,000	190,800*	54.6	412.0	63,700	177,300*	58.3	417.2	44,700	163,900*	220
225	44.8	386.4	97,600	198,100*	49.2	399.1	78,600	184,900*	53.3	408.2	59,800	171,700*	57.1	414.0	41,300	158,500*	225
230	43.3	381.1	92,900	192,100*	47.8	394.6	74,400	179,200*	52.0	404.3	56,100	166,200*	55.9	410.6	38,100	153,400*	230
235	41.7	375.5	88,500	186,400*	46.4	389.9	70,400	173,800*	50.7	400.2	52,500	161,000*	54.6	407.0	34,900	148,400*	235
240	40.2	369.6	84,200	180,900*	45.0	384.9	66,600	168,500*	49.3	395.9	49,100	156,000*	53.3	403.3	31,900	143,700*	240
245	38.5	363.4	80,100	175,600*	43.5	379.6	62,900	163,400*	48.0	391.4	45,800	151,200*	52.0	399.4	29,000	139,200*	245
250	36.8	356.7	76,100	170,500*	42.0	374.1	59,300	158,500*	46.6	386.7	42,700	146,600*	50.7	395.3	26,300	134,800*	250
260	33.2	342.1	68,600	160,700*	38.8	362.0	52,600	149,200*	43.6	376.5	36,700	137,800*	48.0	386.5	21,000	126,600*	260
270	29.2	325.1	61,500	150,800*	35.3	348.4	46,300	140,600*	40.5	365.1	31,100	129,700*	45.1	376.8	16,100	118,900*	270
280	24.5	304.7	54,800	140,200*	31.5	332.9	40,400	132,600*	37.2	352.4	25,900	122,100*	42.1	366.1	11,600	111,800*	280
290	18.8	278.6	48,300	130,800*	27.3	314.6	34,800	125,000*	33.6	338.0	21,000	115,000*	38.9	354.1	7,300	105,100*	290
300	10.2	238.0	41,700	123,200*	22.2	292.2	29,400	117,800*	29.7	321.3	16,300	108,300*	35.5	340.6	3,200	98,800*	300
310					15.7	262.0	24,000	110,800*	25.1	301.4	11,800	101,900*	31.7	325.2		92,800*	310
320									19.5	276.2	7,400	95,800*	27.5	307.1		87,200*	320
330									11.6	238.6	2,700	89,700*	22.5	285.0		81,800*	330
340													16.1	255.3		76,500*	340
350													2.4	189.1		70,500*	350

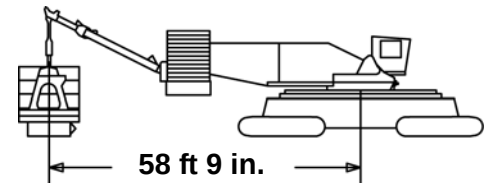
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



180 ft Boom, 300 ft Luffing Jib

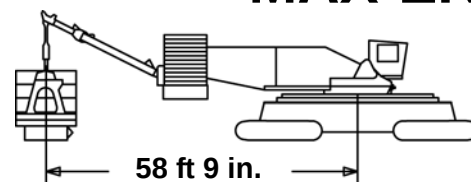
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
125	70.9	474.0	269,700	330,000*													125
130	69.9	472.2	253,900	330,000*													130
135	68.9	470.3	239,400	321,700*													135
140	67.9	468.2	226,000	318,900*													140
145	66.8	466.1	213,700	309,200*													145
150	65.8	463.8	202,200	299,400*	69.0	468.3	171,600	308,600*									150
155	64.7	461.4	191,500	289,500*	68.0	466.2	162,000	296,300*									155
160	63.6	458.9	181,500	279,800*	67.0	464.1	153,000	284,900*									160
165	62.6	456.3	172,200	270,200*	65.9	461.9	144,700	274,100*									165
170	61.5	453.6	163,500	260,600*	64.9	459.5	136,800	263,900*									170
175	60.4	450.8	155,300	251,300*	63.8	457.0	129,400	254,300*									175
180	59.3	447.8	147,500	242,200*	62.7	454.4	122,500	245,200*									180
185	58.1	444.7	140,200	233,300*	61.6	451.7	115,900	236,600*	65.0	456.1	91,900	220,100*					185
190	57.0	441.4	133,300	224,600*	60.5	448.9	109,700	228,400*	63.9	453.6	86,400	212,400*					190
195	55.9	438.0	126,800	216,100*	59.4	445.9	103,900	220,700*	62.8	451.0	81,200	205,000*					195
200	54.7	434.5	120,600	207,900*	58.3	442.8	98,300	213,300*	61.7	448.4	76,200	198,100*					200
205	53.5	430.7	114,700	199,900*	57.2	439.6	93,000	206,200*	60.6	445.5	71,500	191,400*					205
210	52.3	426.9	109,100	192,100*	56.0	436.2	88,000	199,500*	59.5	442.6	67,100	185,100*					210
215	51.1	422.8	103,800	184,600*	54.9	432.7	83,200	193,100*	58.4	439.5	62,800	179,000*					215
220	49.8	418.6	98,700	177,300*	53.7	429.0	78,700	187,000*	57.3	436.3	58,800	173,200*					220
225	48.5	414.2	93,900	170,200*	52.5	425.2	74,300	181,100*	56.1	432.9	54,900	167,700*	59.6	437.7	35,900	154,200*	225
230	47.2	409.6	89,200	163,300*	51.2	421.1	70,100	175,500*	55.0	429.4	51,200	162,300*	58.4	434.6	32,600	149,000*	230
235	45.9	404.7	84,800	156,700*	50.0	417.0	66,100	170,100*	53.8	425.7	47,700	157,100*	57.3	431.4	29,500	144,100*	235
240	44.5	399.7	80,500	150,300*	48.7	412.6	62,300	165,000*	52.6	421.9	44,300	152,100*	56.1	428.0	26,500	139,400*	240
245	43.2	394.3	76,400	144,000*	47.4	408.0	58,700	159,900*	51.3	417.9	41,000	147,300*	55.0	424.5	23,700	134,900*	245
250	41.7	388.7	72,500	137,900*	46.1	403.2	55,100	155,000*	50.1	413.7	37,900	142,700*	53.8	420.8	20,900	130,600*	250
260	38.7	376.6	65,100	126,400*	43.4	392.8	48,500	145,800*	47.5	404.8	32,000	134,000*	51.4	413.0	15,800	122,400*	260
270	35.5	363.1	58,100	115,600*	40.5	381.5	42,300	134,400*	44.9	395.0	26,500	126,000*	48.9	404.4	11,000	114,800*	270
280	32.0	347.8	51,600	105,500*	37.4	368.8	36,500	123,100*	42.1	384.2	21,400	118,500*	46.2	395.1	6,500	107,800*	280
290	28.1	330.1	45,500	96,200*	34.0	354.5	31,000	112,500*	39.1	372.2	16,600	111,500*	43.5	384.8	2,300	101,200*	290
300	23.6	308.9	39,600	87,500*	30.4	338.3	25,900	102,600*	35.9	358.9	12,000	104,900*	40.6	373.5		95,000*	300
310	18.1	281.8	33,900	79,600*	26.3	319.2	20,900	93,500*	32.4	343.8	7,700	98,700*	37.5	360.9		89,200*	310
320	9.9	239.6	28,000	73,200*	21.5	296.0	16,200	85,100*	28.6	326.4	3,600	92,800*	34.2	346.7		83,600*	320
330					15.2	264.6	11,400	77,600*	24.2	305.7		87,100*	30.6	330.6		78,400*	330
340									18.9	279.5		81,700*	26.5	311.7		73,400*	340
350									11.2	240.5		75,600*	21.7	288.7		68,600*	350
360													15.6	258.0		63,900*	360
370													2.3	189.4		58,500*	370

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



200 ft Boom, 120 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
60				c													60
65				c													65
70				c													70
75	67.3	320.9	570,500	747,100*b													75
80	64.6	318.5	525,100	698,700*b													80
85	61.9	315.8	485,600	655,800*b													85
90	59.1	312.8	450,900	617,500*b				c									90
95	56.3	309.5	420,200	583,000*b	65.9	317.2	374,900	553,400*b									95
100	53.3	305.7	392,800	551,800*b	63.3	314.7	350,300	523,900*b									100
105	50.2	301.5	368,200	523,500*	60.5	311.8	328,200	497,000*b									105
110	46.9	296.9	345,900	497,600*	57.7	308.6	308,200	472,500*b									110
115	43.5	291.6	325,600	473,900*	54.8	305.1	290,000	450,000*b	64.4	311.8	253,900	425,800*b					115
120	39.7	285.7	307,000	452,000*	51.7	301.1	273,400	429,300*	61.7	309.1	239,100	406,300*b					120
125	35.7	278.8	289,800	431,700*	48.5	296.7	258,100	410,200*	58.9	306.1	225,600	388,200*b					125
130	31.2	270.8	273,800	412,800*	45.2	291.8	244,000	392,500*	56.0	302.7	213,100	371,500*b					130
135	25.9	260.9	258,700	395,000*	41.6	286.2	230,900	375,900*	53.0	298.9	201,500	355,900*b					135
140	19.2	247.9	244,300	378,100*	37.7	279.8	218,700	360,500*	49.9	294.7	190,800	341,400*	59.9	301.7	162,500	322,100*b	140
145	7.5	223.9	228,900	361,200*	33.5	272.4	207,100	345,900*	46.7	290.0	180,800	327,800*	57.1	298.4	153,700	309,300*b	145
150					28.6	263.5	196,200	332,200*	43.2	284.7	171,300	315,000*	54.1	294.8	145,500	297,200*b	150
155					22.7	252.3	185,600	319,100*	39.4	278.6	162,400	303,000*	51.0	290.7	137,800	286,000*	155
160					14.6	236.1	175,000	306,300*	35.4	271.7	154,000	291,600*	47.8	286.2	130,600	275,300*	160
165									30.8	263.6	145,900	280,700*	44.4	281.1	123,700	265,300*	165
170									25.4	253.5	138,000	270,300*	40.8	275.4	117,100	255,700*	170
175									18.6	240.1	130,200	260,200*	36.8	268.8	110,800	246,600*	175
180									5.3	212.7	120,800	249,300*	32.4	261.1	104,800	237,900*	180
185													27.4	251.8	98,800	229,500*	185
190													21.2	239.9	92,900	221,400*	190
195													12.0	221.3	86,400	213,000*	195

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

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

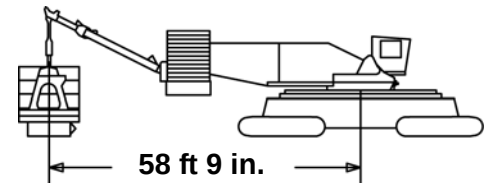
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



200 ft Boom, 140 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
65				c													65
70				c													70
75	70.7	342.5	569,100	743,900*b													75
80	68.5	340.6	523,600	695,600*b													80
85	66.3	338.3	484,000	652,800*b													85
90	64.0	335.9	449,400	614,600*b													90
95	61.7	333.1	418,700	580,300*b	69.6	339.1	371,200	549,400*b									95
100	59.3	330.2	391,400	549,300*b	67.4	337.0	346,700	520,000*b									100
105	56.8	326.9	366,800	521,100*	65.1	334.6	324,700	493,300*b									105
110	54.3	323.3	344,700	495,400*	62.8	332.0	304,800	469,000*b									110
115	51.7	319.3	324,600	471,900*	60.4	329.1	286,800	446,700*b									115
120	49.0	315.0	306,300	450,200*	58.0	326.0	270,400	426,100*									120
125	46.1	310.2	289,400	430,200*	55.5	322.6	255,300	407,200*	63.8	329.1	221,000	384,100*b					125
130	43.2	304.9	273,900	411,600*	53.0	318.8	241,400	389,600*	61.5	326.4	208,700	367,500*b					130
135	40.0	298.9	259,500	394,300*	50.3	314.6	228,600	373,300*	59.1	323.4	197,300	352,100*b					135
140	36.6	292.3	246,100	378,200*	47.5	310.1	216,700	358,100*	56.6	320.1	186,800	337,700*					140
145	32.9	284.7	233,500	363,000*	44.6	305.0	205,600	343,900*	54.1	316.5	177,000	324,300*					145
150	28.7	275.8	221,700	348,800*	41.6	299.4	195,200	330,500*	51.5	312.5	167,900	311,800*	59.9	319.0	140,500	293,000*b	150
155	23.8	265.0	210,400	335,200*	38.3	293.1	185,400	318,000*	48.8	308.1	159,300	300,000*	57.5	315.8	133,000	281,900*	155
160	17.7	250.9	199,300	322,200*	34.7	286.0	176,200	306,100*	45.9	303.2	151,200	288,800*	55.0	312.3	125,900	271,400*	160
165	6.8	224.9	187,400	308,900*	30.8	277.8	167,400	294,800*	42.9	297.9	143,600	278,300*	52.4	308.4	119,300	261,500*	165
170					26.3	268.1	158,900	284,100*	39.7	291.9	136,400	268,400*	49.7	304.2	113,100	252,200*	170
175					20.9	255.9	150,700	273,800*	36.3	285.2	129,500	258,900*	46.9	299.5	107,100	243,400*	175
180					13.4	238.2	142,200	263,600*	32.6	277.5	122,900	249,900*	44.0	294.3	101,500	235,000*	180
185									28.3	268.5	116,500	241,300*	40.9	288.6	96,100	227,000*	185
190									23.4	257.6	110,200	232,900*	37.5	282.2	90,900	219,300*	190
195									17.1	243.0	103,900	224,700*	33.9	274.8	85,900	212,000*	195
200									4.7	213.2	96,200	215,800*	29.9	266.4	81,100	204,900*	200
205													25.2	256.2	76,300	197,900*	205
210													19.5	243.2	71,400	191,000*	210
215													11.0	223.0	66,000	184,000*	215

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

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

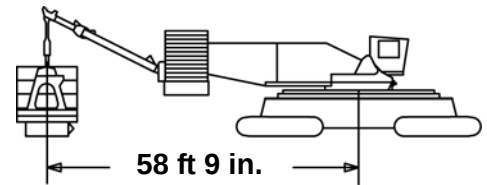
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



200 ft Boom, 160 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
75	73.2	363.7	569,900	741,300*b													75
80	71.3	362.0	523,900	693,100*b													80
85	69.4	360.1	484,100	650,400*b													85
90	67.5	358.0	449,200	612,300*b													90
95	65.5	355.7	418,400	578,100*b													95
100	63.5	353.2	390,900	547,100*													100
105	61.4	350.5	366,300	519,100*	68.4	356.6	322,700	490,400*b									105
110	59.4	347.5	344,200	493,500*	66.5	354.4	302,800	466,200*b									110
115	57.2	344.2	324,100	470,000*	64.5	352.0	284,800	444,000*b									115
120	55.0	340.7	305,700	448,500*	62.5	349.3	268,400	423,600*									120
125	52.8	336.9	289,000	428,600*	60.4	346.5	253,400	404,700*									125
130	50.5	332.8	273,600	410,200*	58.3	343.4	239,600	387,300*									130
135	48.1	328.3	259,300	393,000*	56.1	340.0	226,800	371,100*	63.3	346.5	194,400	349,100*					135
140	45.6	323.4	246,100	377,100*	53.9	336.3	215,100	356,000*	61.3	343.7	183,900	334,900*					140
145	42.9	318.1	233,800	362,200*	51.6	332.4	204,100	341,900*	59.2	340.7	174,200	321,500*					145
150	40.2	312.2	222,400	348,200*	49.3	328.1	193,900	328,700*	57.1	337.5	165,200	309,100*					150
155	37.2	305.7	211,600	335,000*	46.8	323.4	184,300	316,300*	54.9	333.9	156,800	297,400*					155
160	34.1	298.4	201,500	322,600*	44.2	318.2	175,300	304,600*	52.6	330.1	148,800	286,400*	59.9	336.3	122,500	268,300*	160
165	30.6	290.1	191,800	310,900*	41.5	312.6	166,900	293,600*	50.3	326.0	141,400	276,100*	57.8	333.1	116,000	258,500*	165
170	26.7	280.5	182,700	299,700*	38.7	306.5	158,900	283,200*	47.9	321.4	134,400	266,300*	55.6	329.7	109,900	249,300*	170
175	22.2	268.9	173,800	289,000*	35.6	299.6	151,300	273,300*	45.4	316.5	127,700	257,000*	53.4	326.0	104,100	240,600*	175
180	16.4	253.6	165,100	278,700*	32.3	291.8	144,000	263,900*	42.7	311.1	121,400	248,200*	51.1	322.0	98,600	232,400*	180
185	6.3	225.7	155,500	268,000*	28.7	282.9	137,100	255,000*	39.9	305.2	115,400	239,800*	48.7	317.6	93,400	224,500*	185
190					24.5	272.4	130,300	246,300*	37.0	298.6	109,700	231,900*	46.2	312.8	88,500	217,100*	190
195					19.5	259.2	123,700	238,000*	33.8	291.3	104,200	224,200*	43.7	307.6	83,800	210,000*	195
200					12.4	240.2	116,800	229,600*	30.3	282.9	98,900	216,900*	40.9	301.8	79,200	203,100*	200
205									26.4	273.2	93,700	209,900*	38.0	295.5	74,900	196,500*	205
210									21.8	261.3	88,600	203,000*	35.0	288.4	70,700	190,100*	210
215									15.9	245.6	83,300	196,100*	31.6	280.5	66,600	183,900*	215
220									4.3	213.7	76,800	188,500*	27.8	271.2	62,600	178,000*	220
225													23.5	260.3	58,600	172,200*	225
230													18.2	246.3	54,500	166,500*	230
235													10.2	224.6	50,000	160,600*	235

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

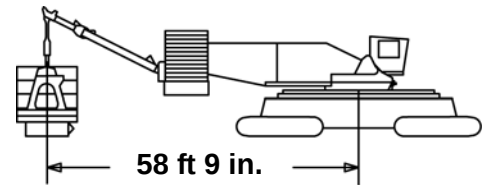
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



200 ft Boom, 180 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
80	73.5	383.1	521,400	685,100 b													80
85	71.8	381.5	481,400	646,700 b													85
90	70.1	379.6	446,400	608,700 b													90
95	68.4	377.6	415,500	574,500 b													95
100	66.6	375.5	388,000	543,700*													100
105	64.9	373.1	363,400	515,700*													105
110	63.1	370.5	341,200	490,100*	69.2	376.1	298,400	461,900 b									110
115	61.3	367.8	321,100	466,800*	67.5	374.0	280,400	439,800*									115
120	59.4	364.8	302,800	445,300*	65.8	371.8	264,000	419,500*									120
125	57.5	361.6	286,100	425,400*	64.0	369.3	249,100	400,700*									125
130	55.6	358.2	270,700	407,100*	62.2	366.6	235,300	383,400*									130
135	53.6	354.5	256,500	390,100*	60.3	363.8	222,700	367,300*									135
140	51.6	350.5	243,400	374,200*	58.5	360.7	211,000	352,300*	64.7	366.4	178,700	330,400*					140
145	49.5	346.3	231,200	359,400*	56.6	357.4	200,100	338,300*	63.0	363.8	169,100	317,200*					145
150	47.4	341.6	219,900	345,500*	54.6	353.8	190,000	325,200*	61.1	361.0	160,100	304,800*					150
155	45.1	336.7	209,300	332,500*	52.6	350.0	180,500	312,900*	59.3	358.0	151,800	293,200*					155
160	42.8	331.3	199,400	320,300*	50.5	345.9	171,700	301,300*	57.4	354.8	144,000	282,300*					160
165	40.3	325.4	190,000	308,700*	48.4	341.5	163,400	290,400*	55.5	351.4	136,700	272,100*					165
170	37.7	319.0	181,200	297,800*	46.2	336.7	155,500	280,100*	53.5	347.7	129,800	262,400*	59.9	353.6	104,200	244,800*	170
175	35.0	312.0	172,800	287,500*	43.9	331.5	148,100	270,400*	51.4	343.7	123,300	253,200*	58.1	350.5	98,600	236,200*	175
180	32.0	304.1	164,900	277,600*	41.5	325.9	141,100	261,200*	49.3	339.4	117,100	244,500*	56.1	347.1	93,200	228,000*	180
185	28.8	295.2	157,300	268,200*	39.0	319.7	134,500	252,400*	47.2	334.8	111,300	236,300*	54.2	343.5	88,200	220,300*	185
190	25.1	284.9	149,900	259,300*	36.3	313.0	128,100	244,100*	44.9	329.8	105,700	228,500*	52.2	339.6	83,400	212,900*	190
195	20.8	272.5	142,800	250,600*	33.5	305.6	122,000	236,100*	42.6	324.3	100,500	221,000*	50.1	335.4	78,800	205,900*	195
200	15.4	256.2	135,700	242,200*	30.4	297.2	116,200	228,400*	40.1	318.4	95,400	213,900*	47.9	330.9	74,400	199,200*	200
205	5.8	226.5	127,800	233,300*	27.0	287.6	110,600	221,100*	37.5	312.0	90,600	207,100*	45.7	326.1	70,300	192,800*	205
210					23.0	276.4	105,100	214,000*	34.7	304.9	85,900	200,500*	43.4	320.8	66,300	186,500*	210
215					18.3	262.3	99,600	207,100*	31.8	296.9	81,400	194,200*	41.0	315.1	62,400	180,600*	215
220					11.7	242.1	93,800	200,100*	28.5	287.9	77,000	188,000*	38.4	308.8	58,700	174,800*	220
225									24.8	277.5	72,700	182,100*	35.7	301.9	55,200	169,300*	225
230									20.5	264.8	68,500	176,200*	32.8	294.3	51,700	164,000*	230
235									14.9	248.1	64,100	170,400*	29.7	285.7	48,300	158,900*	235
240									4.0	214.2	58,500	163,900*	26.1	275.8	44,900	153,900*	240
245													22.1	264.1	41,600	149,000*	245
250													17.1	249.1	38,100	144,200*	250

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

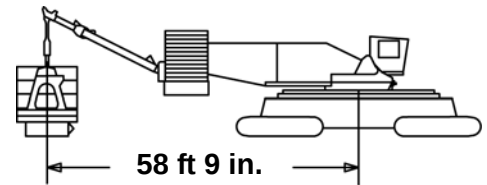
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 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	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
85	73.7	402.5	479,400	595,500*													85
90	72.2	400.9	444,300	595,500*													90
95	70.7	399.1	413,300	571,600*													95
100	69.1	397.2	385,700	540,800*													100
105	67.6	395.1	361,000	512,900*													105
110	66.0	392.9	338,800	487,400*													110
115	64.4	390.5	318,700	464,100*	69.9	395.6	277,000	436,500*									115
120	62.8	387.9	300,400	442,600*	68.3	393.6	260,700	416,300*									120
125	61.2	385.1	283,700	422,900*	66.8	391.5	245,700	397,600*									125
130	59.5	382.1	268,300	404,600*	65.2	389.1	232,000	380,300*									130
135	57.8	379.0	254,200	387,600*	63.6	386.6	219,400	364,200*									135
140	56.1	375.6	241,100	371,800*	62.0	384.0	207,700	349,300*									140
145	54.3	372.0	229,000	357,000*	60.3	381.1	196,900	335,300*									145
150	52.5	368.2	217,700	343,200*	58.6	378.0	186,900	322,300*	64.3	383.7	156,200	301,400*					150
155	50.6	364.0	207,200	330,300*	56.9	374.8	177,500	310,100*	62.7	381.1	147,900	289,900*					155
160	48.7	359.7	197,300	318,100*	55.2	371.3	168,700	298,600*	61.0	378.4	140,200	279,100*					160
165	46.8	355.0	188,000	306,700*	53.4	367.6	160,400	287,800*	59.4	375.4	132,900	268,900*					165
170	44.7	349.9	179,300	295,900*	51.6	363.6	152,700	277,500*	57.7	372.2	126,100	259,300*					170
175	42.6	344.5	171,100	285,600*	49.7	359.3	145,400	267,900*	55.9	368.8	119,700	250,200*					175
180	40.4	338.7	163,400	275,900*	47.7	354.8	138,500	258,800*	54.2	365.2	113,600	241,600*	59.9	371.0	89,100	224,600*	180
185	38.1	332.4	156,000	266,700*	45.7	349.9	132,000	250,100*	52.4	361.3	107,900	233,400*	58.3	367.8	84,100	216,900*	185
190	35.7	325.5	149,000	258,000*	43.7	344.7	125,800	241,800*	50.5	357.2	102,400	225,700*	56.5	364.5	79,400	209,600*	190
195	33.1	317.9	142,300	249,600*	41.5	339.1	119,800	234,000*	48.6	352.8	97,300	218,300*	54.8	361.0	74,900	202,700*	195
200	30.3	309.5	135,900	241,600*	39.3	333.0	114,200	226,500*	46.6	348.1	92,300	211,200*	53.0	357.2	70,600	196,100*	200
205	27.2	300.0	129,700	233,900*	36.9	326.4	108,800	219,400*	44.6	343.0	87,600	204,500*	51.2	353.2	66,500	189,800*	205
210	23.8	289.0	123,700	226,600*	34.4	319.2	103,700	212,500*	42.5	337.6	83,100	198,100*	49.3	348.9	62,700	183,600*	210
215	19.7	275.8	117,900	219,400*	31.7	311.2	98,700	205,900*	40.3	331.7	78,800	192,000*	47.3	344.3	58,900	177,800*	215
220	14.6	258.6	112,000	212,400*	28.7	302.3	93,900	199,600*	37.9	325.3	74,700	186,000*	45.3	339.3	55,400	172,100*	220
225	5.5	227.3	105,300	204,900*	25.5	292.1	89,200	193,500*	35.5	318.4	70,700	180,200*	43.2	334.0	51,900	166,700*	225
230					21.8	280.1	84,600	187,500*	32.9	310.7	66,800	174,700*	41.0	328.3	48,600	161,500*	230
235					17.3	265.3	80,000	181,600*	30.0	302.2	63,100	169,300*	38.8	322.1	45,500	156,600*	235
240					11.0	243.9	75,200	175,600*	26.9	292.7	59,400	164,100*	36.4	315.4	42,400	151,800*	240
245									23.5	281.6	55,800	159,000*	33.8	308.0	39,400	147,100*	245
250									19.4	268.1	52,200	154,100*	31.1	299.8	36,400	142,700*	250
260									3.7	214.6	43,600	143,600*	24.7	280.1	30,700	134,100*	260
270													16.1	251.9	24,900	125,700*	270

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

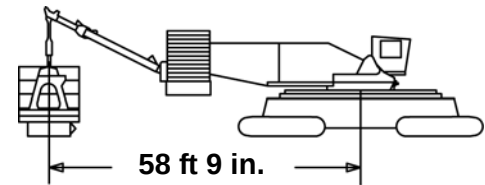
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



200 ft Boom, 220 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
95	72.5	420.3	411,400	518,100*													95
100	71.1	418.6	383,600	518,100*													100
105	69.7	416.7	358,700	509,100*													105
110	68.3	414.7	336,300	483,700*													110
115	66.9	412.6	316,000	460,400*													115
120	65.5	410.3	297,600	439,000*													120
125	64.0	407.8	280,800	419,300*	69.0	413.2	241,600	393,300*									125
130	62.5	405.2	265,400	401,000*	67.6	411.1	227,900	376,000*									130
135	61.1	402.4	251,200	384,100*	66.2	408.9	215,300	360,000*									135
140	59.5	399.5	238,000	368,300*	64.7	406.5	203,600	345,100*									140
145	58.0	396.3	225,900	353,600*	63.3	404.0	192,700	331,300*									145
150	56.4	393.0	214,600	339,900*	61.8	401.3	182,700	318,300*									150
155	54.8	389.5	204,000	327,000*	60.3	398.4	173,300	306,100*									155
160	53.2	385.7	194,200	314,900*	58.8	395.4	164,500	294,700*	63.9	401.1	135,100	274,600*					160
165	51.6	381.7	184,900	303,500*	57.2	392.1	156,300	283,900*	62.4	398.5	127,900	264,500*					165
170	49.8	377.5	176,300	292,700*	55.6	388.7	148,600	273,800*	60.9	395.7	121,100	254,900*					170
175	48.1	373.0	168,100	282,500*	54.0	385.1	141,300	264,200*	59.4	392.7	114,700	245,900*					175
180	46.3	368.3	160,400	272,900*	52.4	381.2	134,500	255,100*	57.9	389.6	108,700	237,300*					180
185	44.4	363.2	153,100	263,800*	50.7	377.1	128,000	246,500*	56.3	386.2	103,000	229,200*					185
190	42.5	357.7	146,200	255,100*	49.0	372.8	121,800	238,300*	54.7	382.7	97,600	221,500*	59.9	388.3	73,700	205,000*	190
195	40.5	351.9	139,600	246,800*	47.2	368.1	116,000	230,500*	53.1	378.9	92,500	214,200*	58.4	385.2	69,300	198,100*	195
200	38.4	345.7	133,300	239,000*	45.4	363.2	110,500	223,100*	51.4	374.9	87,700	207,300*	56.9	381.9	65,100	191,600*	200
205	36.2	338.9	127,300	231,400*	43.5	358.0	105,200	216,000*	49.7	370.7	83,000	200,600*	55.3	378.4	61,100	185,400*	205
210	33.9	331.5	121,600	224,300*	41.5	352.3	100,100	209,300*	48.0	366.2	78,600	194,300*	53.7	374.7	57,300	179,300*	210
215	31.5	323.5	116,100	217,400*	39.5	346.3	95,300	202,800*	46.2	361.4	74,400	188,200*	52.0	370.8	53,700	173,500*	215
220	28.8	314.6	110,800	210,700*	37.3	339.8	90,700	196,600*	44.3	356.2	70,400	182,400*	50.3	366.7	50,200	168,000*	220
225	25.9	304.5	105,700	204,300*	35.1	332.7	86,200	190,700*	42.4	350.8	66,500	176,700*	48.6	362.3	46,800	162,700*	225
230	22.6	293.0	100,700	198,200*	32.7	325.0	81,900	185,000*	40.4	344.9	62,800	171,300*	46.8	357.6	43,600	157,600*	230
235	18.7	279.1	95,800	192,100*	30.1	316.5	77,800	179,400*	38.3	338.6	59,200	166,000*	45.0	352.6	40,600	152,700*	235
240	13.8	260.9	90,800	186,200*	27.3	307.1	73,700	174,000*	36.1	331.8	55,700	161,000*	43.0	347.2	37,600	148,000*	240
245	5.2	228.1	85,000	179,800*	24.2	296.3	69,800	168,700*	33.7	324.4	52,300	156,100*	41.1	341.5	34,700	143,400*	245
250					20.7	283.7	65,900	163,600*	31.3	316.3	49,100	151,400*	39.0	335.4	31,900	139,100*	250
260					10.4	245.6	57,700	153,300*	25.6	297.2	42,800	142,400*	34.6	321.6	26,600	130,800*	260
270									18.4	271.3	36,500	133,900*	29.5	305.1	21,600	123,000*	270
280									3.5	215.0	29,000	124,700*	23.5	284.2	16,600	115,600*	280
290													15.3	254.5	11,600	108,400*	290

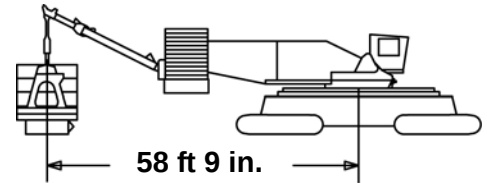
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 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	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
100	72.7	439.7	380,500	454,100*													100
105	71.5	438.0	355,500	454,100*													105
110	70.2	436.2	333,000	454,100*													110
115	68.9	434.3	312,700	454,100*													115
120	67.6	432.2	294,200	435,700*													120
125	66.3	430.0	277,400	416,000*													125
130	65.0	427.6	261,900	397,700*	69.6	432.7	223,700	372,300*									130
135	63.7	425.2	247,700	380,800*	68.3	430.7	211,100	356,400*									135
140	62.3	422.5	234,500	365,100*	67.0	428.6	199,400	341,500*									140
145	61.0	419.7	222,400	350,400*	65.7	426.3	188,600	327,600*									145
150	59.6	416.8	211,000	336,700*	64.3	423.9	178,500	314,700*									150
155	58.2	413.7	200,500	323,800*	63.0	421.3	169,100	302,500*									155
160	56.7	410.4	190,700	311,700*	61.6	418.6	160,400	291,100*									160
165	55.3	406.9	181,400	300,300*	60.3	415.7	152,200	280,400*	64.9	420.9	123,200	260,600*					165
170	53.8	403.2	172,800	289,600*	58.9	412.7	144,500	270,300*	63.6	418.4	116,400	251,100*					170
175	52.3	399.4	164,600	279,500*	57.4	409.5	137,200	260,700*	62.2	415.8	110,100	242,100*					175
180	50.8	395.3	156,900	269,900*	56.0	406.1	130,400	251,700*	60.9	413.0	104,100	233,600*					180
185	49.2	391.0	149,700	260,800*	54.5	402.6	124,000	243,100*	59.5	410.0	98,400	225,500*					185
190	47.6	386.4	142,800	252,200*	53.0	398.8	117,900	235,000*	58.1	406.9	93,100	217,900*					190
195	45.9	381.6	136,300	244,000*	51.5	394.8	112,100	227,200*	56.6	403.6	88,000	210,600*					195
200	44.2	376.4	130,100	236,100*	50.0	390.6	106,600	219,900*	55.2	400.1	83,200	203,700*	60.0	405.6	60,200	187,700*	200
205	42.4	371.0	124,200	228,700*	48.4	386.2	101,400	212,900*	53.7	396.4	78,600	197,100*	58.6	402.5	56,200	181,500*	205
210	40.6	365.2	118,600	221,600*	46.7	381.5	96,400	206,200*	52.2	392.5	74,300	190,800*	57.1	399.3	52,500	175,600*	210
215	38.7	359.0	113,200	214,800*	45.0	376.5	91,600	199,700*	50.6	388.4	70,100	184,700*	55.7	395.9	48,900	169,800*	215
220	36.7	352.3	108,000	208,200*	43.3	371.2	87,100	193,600*	49.1	384.1	66,100	179,000*	54.2	392.2	45,500	164,300*	220
225	34.6	345.1	103,100	202,000*	41.5	365.5	82,700	187,700*	47.4	379.5	62,300	173,400*	52.7	388.4	42,200	159,000*	225
230	32.4	337.3	98,300	196,000*	39.6	359.5	78,500	182,100*	45.8	374.6	58,700	168,000*	51.2	384.4	39,000	153,900*	230
235	30.1	328.8	93,700	190,200*	37.7	353.1	74,500	176,700*	44.1	369.5	55,100	162,800*	49.6	380.1	36,000	149,100*	235
240	27.5	319.4	89,300	184,600*	35.7	346.2	70,600	171,400*	42.3	364.0	51,800	157,800*	48.0	375.6	33,100	144,400*	240
245	24.7	308.9	84,900	179,100*	33.5	338.7	66,800	166,200*	40.4	358.2	48,500	153,100*	46.4	370.9	30,300	140,000*	245
250	21.6	296.7	80,700	173,900*	31.2	330.6	63,200	161,300*	38.5	351.9	45,400	148,400*	44.7	365.8	27,600	135,700*	250
260	13.2	263.1	72,200	163,400*	26.1	311.7	56,200	151,900*	34.4	338.0	39,400	139,700*	41.1	354.8	22,500	127,500*	260
270					19.8	287.1	49,500	142,900*	29.9	321.6	33,700	131,500*	37.3	342.1	17,700	119,900*	270
280					10.0	247.2	42,400	134,100*	24.5	301.4	28,300	123,800*	33.0	327.5	13,100	112,800*	280
290									17.6	274.3	22,900	116,300*	28.2	310.0	8,700	106,100*	290
300									3.3	215.4	16,200	108,300*	22.5	288.2	4,400	99,600*	300
310													14.6	256.9		93,300*	310

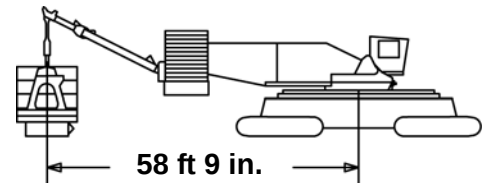
Liftcrane Luffing Jib Capacities

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
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



200 ft Boom, 260 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
110	71.8	457.5	329,400	397,100*													110
115	70.6	455.7	309,000	397,100*													115
120	69.4	453.8	290,500	397,100*													120
125	68.3	451.8	273,500	397,100*													125
130	67.1	449.7	258,100	390,900*													130
135	65.9	447.4	243,800	377,200*	70.0	452.2	206,200	352,100*									135
140	64.6	445.0	230,600	361,500*	68.8	450.3	194,500	337,300*									140
145	63.4	442.5	218,500	346,800*	67.6	448.2	183,700	323,500*									145
150	62.2	439.9	207,100	333,100*	66.4	446.0	173,700	310,500*									150
155	60.9	437.0	196,600	320,300*	65.2	443.7	164,300	298,400*									155
160	59.6	434.1	186,800	308,200*	64.0	441.2	155,600	287,100*									160
165	58.3	431.0	177,500	296,900*	62.8	438.7	147,400	276,400*									165
170	57.0	427.8	168,900	286,200*	61.5	435.9	139,800	266,300*									170
175	55.7	424.3	160,800	276,100*	60.2	433.1	132,600	256,800*	64.5	438.3	104,600	237,600*					175
180	54.3	420.7	153,100	266,500*	59.0	430.0	125,800	247,800*	63.3	435.8	98,700	229,200*					180
185	52.9	417.0	145,900	257,400*	57.6	426.9	119,300	239,200*	62.1	433.1	93,100	221,200*					185
190	51.5	413.0	139,000	248,800*	56.3	423.5	113,300	231,100*	60.8	430.3	87,800	213,500*					190
195	50.1	408.8	132,500	240,700*	55.0	420.0	107,500	223,400*	59.5	427.4	82,800	206,300*					195
200	48.6	404.4	126,400	232,900*	53.6	416.3	102,100	216,100*	58.2	424.2	78,000	199,400*					200
205	47.1	399.7	120,500	225,500*	52.2	412.4	96,900	209,100*	56.9	421.0	73,500	192,900*					205
210	45.6	394.8	114,900	218,400*	50.8	408.4	91,900	202,500*	55.6	417.5	69,100	186,600*	60.0	422.9	46,700	171,000*	210
215	44.0	389.7	109,600	211,600*	49.3	404.1	87,200	196,100*	54.2	413.9	65,000	180,600*	58.7	419.9	43,200	165,300*	215
220	42.3	384.2	104,500	205,200*	47.8	399.5	82,700	190,000*	52.8	410.1	61,100	174,900*	57.4	416.6	39,800	159,900*	220
225	40.7	378.4	99,600	199,000*	46.3	394.8	78,400	184,200*	51.4	406.1	57,300	169,500*	56.0	413.3	36,600	154,600*	225
230	38.9	372.2	95,000	193,000*	44.8	389.7	74,300	178,600*	50.0	401.9	53,700	164,100*	54.7	409.7	33,500	149,600*	230
235	37.1	365.7	90,500	187,300*	43.2	384.4	70,300	173,200*	48.5	397.5	50,300	159,000*	53.3	406.0	30,500	144,800*	235
240	35.2	358.6	86,200	181,800*	41.5	378.8	66,500	168,100*	47.0	392.8	47,000	154,100*	51.9	402.1	27,700	140,200*	240
245	33.2	351.1	82,000	176,500*	39.8	372.8	62,900	163,000*	45.4	387.9	43,800	149,300*	50.5	397.9	24,900	135,800*	245
250	31.1	342.9	78,000	171,400*	38.0	366.4	59,400	158,100*	43.9	382.7	40,700	144,800*	49.0	393.6	22,300	131,500*	250
260	26.4	324.1	70,300	161,600*	34.2	352.3	52,600	148,900*	40.5	371.4	34,900	136,100*	46.0	384.2	17,300	123,500*	260
270	20.7	300.3	62,900	152,200*	29.9	335.9	46,300	140,300*	36.9	358.6	29,500	128,100*	42.8	373.7	12,700	116,000*	270
280	12.7	265.3	55,500	143,200*	25.0	316.1	40,300	132,200*	33.0	343.9	24,300	120,600*	39.4	361.9	8,300	109,000*	280
290					19.0	290.4	34,400	124,400*	28.6	326.7	19,400	113,500*	35.7	348.6	4,200	102,500*	290
300					9.5	248.8	28,200	116,700*	23.5	305.5	14,700	106,800*	31.7	333.1	200	96,300*	300
310									16.9	277.2	9,900	100,300*	27.1	314.8		90,400*	310
320									3.1	215.8	4,000	93,100*	21.5	291.9		84,800*	320
330													14.0	259.3		79,200*	330

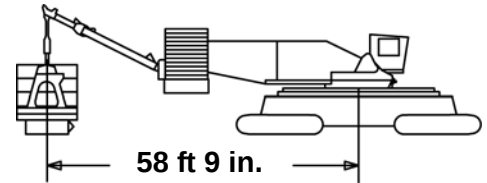
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



200 ft Boom, 280 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
120	71.0	475.1	288,900	346,800*													120
125	69.9	473.3	271,800	346,800*													125
130	68.8	471.4	256,100	346,800*													130
135	67.7	469.3	241,700	346,800*													135
140	66.6	467.1	228,400	345,000*													140
145	65.4	464.8	216,100	337,500*	69.3	469.8	180,600	320,000*									145
150	64.3	462.4	204,700	329,700*	68.2	467.8	170,500	307,100*									150
155	63.2	459.8	194,100	317,200*	67.1	465.7	161,100	295,100*									155
160	62.0	457.2	184,100	305,200*	66.0	463.4	152,300	283,700*									160
165	60.8	454.4	174,900	293,900*	64.9	461.1	144,100	273,000*									165
170	59.6	451.4	166,200	283,200*	63.7	458.6	136,400	263,000*									170
175	58.4	448.4	158,000	273,100*	62.6	456.0	129,200	253,500*									175
180	57.2	445.1	150,300	263,600*	61.4	453.3	122,300	244,500*									180
185	56.0	441.7	143,000	254,600*	60.2	450.4	115,900	236,000*	64.2	455.7	89,100	217,600*					185
190	54.7	438.2	136,200	246,000*	59.0	447.4	109,800	227,900*	63.1	453.1	83,800	210,000*					190
195	53.5	434.5	129,700	237,800*	57.8	444.2	104,100	220,300*	61.9	450.4	78,800	202,800*					195
200	52.2	430.6	123,500	230,100*	56.6	440.9	98,600	213,000*	60.7	447.6	74,000	196,000*					200
205	50.8	426.5	117,600	222,700*	55.3	437.5	93,400	206,000*	59.5	444.7	69,500	189,500*					205
210	49.5	422.2	112,000	215,600*	54.1	433.8	88,500	199,400*	58.3	441.6	65,200	183,200*					210
215	48.1	417.8	106,700	208,900*	52.8	430.0	83,800	193,000*	57.1	438.4	61,100	177,300*					215
220	46.7	413.1	101,700	202,500*	51.5	426.0	79,300	187,000*	55.9	435.0	57,200	171,600*	60.0	440.2	35,400	156,300*	220
225	45.3	408.1	96,800	196,300*	50.2	421.9	75,000	181,200*	54.6	431.4	53,400	166,200*	58.8	437.2	32,200	151,100*	225
230	43.8	402.9	92,200	190,400*	48.8	417.5	70,900	175,600*	53.4	427.7	49,800	160,900*	57.5	434.0	29,100	146,100*	230
235	42.3	397.4	87,700	184,700*	47.4	412.9	67,000	170,300*	52.1	423.8	46,400	155,800*	56.3	430.7	26,200	141,400*	235
240	40.7	391.6	83,400	179,300*	46.0	408.1	63,200	165,200*	50.7	419.7	43,100	150,900*	55.1	427.2	23,300	136,800*	240
245	39.1	385.5	79,300	174,000*	44.5	403.0	59,600	160,200*	49.4	415.4	40,000	146,200*	53.8	423.5	20,600	132,400*	245
250	37.4	379.0	75,400	169,000*	43.0	397.6	56,100	155,400*	48.0	410.9	36,900	141,700*	52.5	419.7	18,100	128,200*	250
260	33.8	364.7	67,900	159,400*	39.9	386.0	49,500	146,300*	45.2	401.2	31,200	133,200*	49.9	411.4	13,100	120,200*	260
270	29.9	348.2	60,800	149,500*	36.5	373.0	43,400	137,800*	42.2	390.5	25,900	125,200*	47.1	402.4	8,600	112,800*	270
280	25.4	328.5	54,200	139,100*	32.9	358.2	37,600	129,800*	39.0	378.5	20,900	117,800*	44.2	392.3	4,300	105,900*	280
290	19.9	303.7	47,800	129,700*	28.8	341.0	32,100	122,400*	35.5	365.0	16,200	110,900*	41.1	381.2	300	99,400*	290
300	12.2	267.3	41,300	121,600*	24.1	320.3	26,800	115,300*	31.8	349.6	11,700	104,300*	37.9	368.8		93,400*	300
310					18.3	293.5	21,700	108,500*	27.5	331.5	7,400	98,200*	34.3	354.7		87,700*	310
320					9.2	250.3	16,100	101,700*	22.6	309.5	3,200	92,200*	30.5	338.6		82,200*	320
330									16.2	280.0		86,500*	26.0	319.4		77,100*	330
340									3.0	216.1		80,100*	20.7	295.5		72,000*	340
350													13.5	261.6		67,000*	350

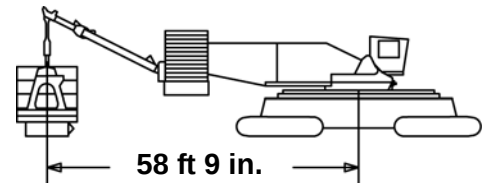
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



200 ft Boom, 300 ft Luffing Jib

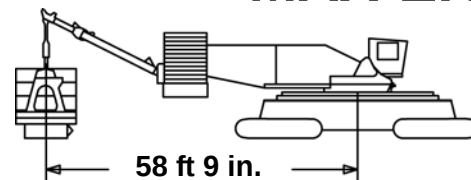
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
130	70.3	492.8	252,100	304,400*													130
135	69.3	490.9	237,600	304,400*													135
140	68.2	488.9	224,300	304,400*													140
145	67.2	486.7	212,000	304,000*													145
150	66.1	484.5	200,600	298,300*	69.8	489.3	165,500	302,900*									150
155	65.1	482.2	189,900	289,100*	68.7	487.4	156,100	290,800*									155
160	64.0	479.7	180,000	279,800*	67.7	485.3	147,400	279,500*									160
165	62.9	477.2	170,700	270,600*	66.7	483.1	139,200	268,900*									165
170	61.9	474.5	162,000	261,400*	65.6	480.9	131,500	258,900*									170
175	60.8	471.7	153,900	252,300*	64.5	478.5	124,300	249,400*									175
180	59.7	468.8	146,200	243,500*	63.5	476.0	117,500	240,500*									180
185	58.5	465.7	138,900	234,900*	62.4	473.3	111,100	232,000*									185
190	57.4	462.5	132,000	226,200*	61.3	470.6	105,000	223,900*	65.0	475.5	78,200	205,600*					190
195	56.3	459.1	125,500	217,900*	60.2	467.7	99,300	216,300*	63.9	473.0	73,300	198,400*					195
200	55.1	455.6	119,400	209,700*	59.1	464.7	93,800	209,000*	62.9	470.5	68,500	191,600*					200
205	53.9	452.0	113,500	201,800*	58.0	461.6	88,700	202,100*	61.8	467.8	64,100	185,100*					205
210	52.7	448.2	108,000	194,100*	56.8	458.3	83,800	195,500*	60.7	465.0	59,800	178,900*					210
215	51.5	444.2	102,700	186,600*	55.7	454.9	79,100	189,200*	59.6	462.0	55,700	173,000*					215
220	50.2	440.0	97,600	179,300*	54.5	451.3	74,600	183,200*	58.5	458.9	51,800	167,400*					220
225	49.0	435.7	92,800	172,300*	53.3	447.6	70,400	177,400*	57.3	455.7	48,100	162,000*					225
230	47.7	431.1	88,200	165,400*	52.1	443.7	66,300	171,900*	56.2	452.4	44,600	156,800*	60.0	457.5	23,300	141,700*	230
235	46.4	426.4	83,700	158,700*	50.9	439.6	62,400	166,600*	55.0	448.8	41,200	151,700*	58.8	454.5	20,400	136,900*	235
240	45.0	421.4	79,500	152,300*	49.6	435.3	58,600	161,500*	53.8	445.2	38,000	146,900*	57.7	451.4	17,600	132,400*	240
245	43.6	416.1	75,400	146,000*	48.3	430.9	55,100	156,600*	52.6	441.4	34,900	142,200*	56.6	448.0	15,000	128,000*	245
250	42.2	410.6	71,500	139,900*	47.0	426.2	51,600	151,800*	51.4	437.4	31,900	137,700*	55.4	444.6	12,400	123,900*	250
260	39.3	398.8	64,100	128,300*	44.3	416.2	45,100	142,800*	48.9	428.8	26,200	129,300*	53.0	437.2	7,600	116,000*	260
270	36.1	385.5	57,200	117,400*	41.5	405.2	39,100	134,300*	46.3	419.5	21,000	121,400*	50.6	429.2	3,100	108,600*	270
280	32.6	370.5	50,800	107,300*	38.5	393.0	33,400	126,500*	43.5	409.2	16,100	114,100*	48.0	420.4		101,800*	280
290	28.8	353.3	44,700	97,800*	35.2	379.4	28,100	116,300*	40.6	397.9	11,500	107,200*	45.4	410.7		95,400*	290
300	24.5	332.8	38,900	88,900*	31.7	363.9	23,100	106,200*	37.6	385.3	7,100	100,800*	42.6	400.2		89,400*	300
310	19.2	307.0	33,300	81,000*	27.8	345.9	18,300	96,800*	34.3	371.2	3,000	94,700*	39.7	388.5		83,800*	310
320	11.7	269.3	27,500	74,400*	23.2	324.4	13,600	88,100*	30.6	355.1		89,000*	36.5	375.4		78,500*	320
330					17.6	296.6	9,100	80,200*	26.6	336.2		83,500*	33.1	360.7		73,500*	330
340					8.8	251.8	4,100	73,900*	21.8	313.3		78,300*	29.4	343.8		68,700*	340
350									15.6	282.6		73,200*	25.1	323.8		64,100*	350
360									2.8	216.5		67,400*	20.0	299.0		59,600*	360
370													13.0	263.8		54,400*	370

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



220 ft Boom, 120 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
65				c													65
70				c													70
75				c													75
80	65.6	339.3	523,900	694,500*b													80
85	62.9	336.7	484,400	651,800*b													85
90	60.1	333.8	449,700	613,700*b													90
95	57.3	330.6	419,100	579,500*b													95
100	54.3	327.0	391,700	548,500*b	65.1	336.2	343,000	516,500*b									100
105	51.3	323.0	367,100	520,300*	62.4	333.5	321,200	490,000*b									105
110	48.1	318.5	344,800	494,600*	59.7	330.6	301,600	465,900*b									110
115	44.7	313.5	324,600	471,000*	56.8	327.3	283,700	443,700*b									115
120	41.1	307.8	306,000	449,300*	53.8	323.6	267,400	423,300*b	64.5	331.2	228,100	396,900*b					120
125	37.1	301.2	288,900	429,100*	50.8	319.5	252,500	404,500*	61.8	328.5	215,100	379,300*b					125
130	32.8	293.7	273,000	410,300*	47.5	315.0	238,600	387,000*	59.0	325.5	203,100	362,900*b					130
135	27.8	284.5	258,100	392,700*	44.1	309.8	225,800	370,700*	56.1	322.1	192,000	347,700*b					135
140	21.8	272.9	243,900	376,100*	40.4	304.0	213,800	355,500*	53.2	318.4	181,700	333,500*b					140
145	13.0	255.3	229,600	359,900*	36.5	297.4	202,600	341,200*	50.0	314.2	172,000	320,200*					145
150					32.0	289.6	192,000	327,700*	46.8	309.5	163,000	307,700*	58.1	318.4	133,200	287,300*b	150
155					26.9	280.1	181,800	314,900*	43.3	304.2	154,500	296,000*	55.2	315.0	126,000	276,400*b	155
160					20.6	267.9	171,900	302,600*	39.6	298.2	146,500	284,900*	52.2	311.1	119,200	266,100*b	160
165					10.8	248.0	161,400	290,300*	35.5	291.3	138,800	274,400*	49.0	306.7	112,800	256,400*	165
170									31.0	283.2	131,400	264,300*	45.7	301.8	106,700	247,200*	170
175									25.6	273.2	124,200	254,700*	42.1	296.4	100,900	238,400*	175
180									18.9	260.0	117,000	245,300*	38.3	290.1	95,300	230,100*	180
185									6.4	234.4	108,500	235,200*	34.1	282.9	89,900	222,100*	185
190													29.4	274.2	84,600	214,400*	190
195													23.7	263.5	79,300	206,900*	195
200													16.1	248.4	73,800	199,300*	200

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

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

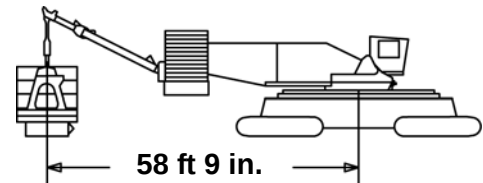
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



220 ft Boom, 140 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
70				c													70
75				c													75
80	69.3	361.2	523,500	691,200*b													80
85	67.0	359.1	483,800	648,700*b													85
90	64.8	356.7	449,000	610,700*b													90
95	62.5	354.0	418,200	576,600*b													95
100	60.1	351.2	390,800	545,800*b	68.9	358.1	339,700	512,500*b									100
105	57.7	348.0	366,200	517,800*	66.7	356.0	318,000	486,100*b									105
110	55.2	344.5	344,100	492,300*	64.4	353.5	298,500	462,100*b									110
115	52.6	340.6	323,900	468,900*	62.1	350.9	280,700	440,100*b									115
120	49.9	336.4	305,600	447,300*	59.7	347.9	264,500	419,900*b									120
125	47.1	331.8	288,700	427,400*	57.3	344.7	249,700	401,200*									125
130	44.2	326.7	273,200	409,000*	54.8	341.1	236,000	383,900*	63.9	348.6	198,600	358,600*b					130
135	41.1	321.0	258,800	391,800*	52.2	337.3	223,400	367,800*	61.6	345.8	187,600	343,600*b					135
140	37.8	314.6	245,500	375,800*	49.5	333.0	211,700	352,800*	59.2	342.8	177,500	329,500*b					140
145	34.2	307.4	232,900	360,700*	46.7	328.3	200,800	338,800*	56.7	339.5	168,000	316,400*					145
150	30.2	299.0	221,100	346,600*	43.7	323.1	190,600	325,600*	54.2	335.9	159,200	304,200*					150
155	25.6	289.0	209,900	333,200*	40.6	317.3	181,100	313,300*	51.6	331.9	151,000	292,600*					155
160	20.0	276.3	199,100	320,400*	37.2	310.8	172,000	301,600*	48.9	327.6	143,200	281,800*	58.4	335.8	114,200	261,800*b	160
165	11.9	257.1	188,000	307,700*	33.6	303.4	163,400	290,500*	46.0	322.7	135,900	271,500*	55.9	332.4	108,000	252,200*	165
170					29.5	294.8	155,200	280,000*	43.0	317.4	129,000	261,800*	53.4	328.7	102,100	243,200*	170
175					24.8	284.4	147,300	269,900*	39.8	311.5	122,400	252,600*	50.7	324.6	96,600	234,700*	175
180					19.0	271.0	139,500	260,200*	36.4	304.8	116,100	243,800*	48.0	320.1	91,300	226,600*	180
185					9.9	249.5	131,100	250,300*	32.7	297.1	110,100	235,400*	45.1	315.1	86,300	218,800*	185
190									28.5	288.2	104,200	227,400*	42.0	309.6	81,500	211,500*	190
195									23.6	277.3	98,400	219,600*	38.8	303.4	76,900	204,500*	195
200									17.4	262.9	92,600	211,900*	35.3	296.4	72,400	197,700*	200
205									5.8	235.1	85,500	203,700*	31.4	288.4	68,000	191,100*	205
210													27.0	279.0	63,700	184,600*	210
215													21.8	267.2	59,400	178,300*	215
220													14.8	250.8	54,800	172,000*	220

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

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

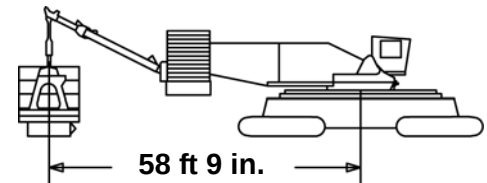
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



220 ft Boom, 160 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
75				c													75
80	72.0	382.6	522,300	688,600* b													80
85	70.1	380.7	482,500	646,200* b													85
90	68.1	378.7	447,600	608,300* b													90
95	66.2	376.5	416,800	574,300* b													95
100	64.2	374.0	389,400	543,600* b													100
105	62.2	371.4	364,900	515,700*	69.8	377.7	315,200	483,100* b									105
110	60.1	368.5	342,800	490,200*	67.8	375.6	295,600	459,200* b									110
115	58.0	365.3	322,700	466,900*	65.9	373.4	278,000	437,300* b									115
120	55.8	361.9	304,400	445,500*	63.9	370.9	261,800	417,100* b									120
125	53.6	358.2	287,700	425,700*	61.8	368.2	247,100	398,600*									125
130	51.3	354.2	272,300	407,400*	59.7	365.2	233,600	381,400*									130
135	48.9	349.9	258,100	390,400*	57.6	362.1	221,100	365,400*									135
140	46.4	345.1	245,000	374,600*	55.4	358.6	209,500	350,500*	63.4	365.9	174,000	326,400* b					140
145	43.9	339.9	232,700	359,700*	53.2	354.9	198,800	336,600*	61.4	363.1	164,700	313,400*					145
150	41.2	334.2	221,300	345,800*	50.9	350.8	188,800	323,600*	59.3	360.1	156,000	301,300*					150
155	38.3	328.0	210,600	332,800*	48.5	346.4	179,400	311,400*	57.1	356.9	147,900	289,900*					155
160	35.2	321.0	200,500	320,500*	46.0	341.5	170,600	299,900*	54.9	353.4	140,300	279,100*					160
165	31.9	313.1	191,000	308,800*	43.4	336.3	162,300	289,100*	52.7	349.6	133,200	269,000*					165
170	28.1	304.0	181,900	297,800*	40.7	330.5	154,500	278,800*	50.4	345.4	126,400	259,400*	58.6	353.1	98,400	240,100*	170
175	23.9	293.1	173,100	287,200*	37.8	324.1	147,100	269,100*	48.0	340.9	120,100	250,400*	56.4	349.8	93,000	231,700*	175
180	18.7	279.5	164,600	277,000*	34.7	317.0	140,000	259,900*	45.4	336.0	114,000	241,800*	54.2	346.2	87,900	223,700*	180
185	11.1	258.9	155,700	266,900*	31.3	308.9	133,200	251,000*	42.8	330.6	108,300	233,700*	52.0	342.3	83,000	216,100*	185
190					27.5	299.6	126,700	242,600*	40.1	324.7	102,800	225,900*	49.6	338.0	78,400	208,900*	190
195					23.1	288.4	120,400	234,400*	37.1	318.2	97,600	218,500*	47.2	333.4	74,000	202,000*	195
200					17.6	274.0	114,000	226,500*	33.9	310.9	92,500	211,300*	44.6	328.3	69,800	195,500*	200
205					9.2	250.9	107,100	218,300*	30.4	302.5	87,600	204,500*	42.0	322.8	65,800	189,100*	205
210									26.5	292.9	82,900	197,900*	39.1	316.7	61,900	183,000*	210
215									22.0	281.1	78,100	191,500*	36.1	309.9	58,100	177,100*	215
220									16.1	265.6	73,300	185,000*	32.9	302.3	54,400	171,400*	220
225									5.3	235.8	67,300	177,900*	29.3	293.6	50,800	165,900*	225
230													25.2	283.4	47,300	160,500*	230
235													20.3	270.7	43,700	155,200*	235
240													13.7	253.1	39,800	149,900*	240

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

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

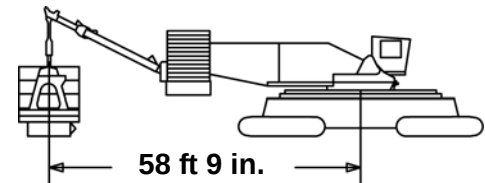
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



220 ft Boom, 180 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
80	74.1	403.6	519,700	622,100*b													80
85	72.4	402.0	479,700	622,100*b													85
90	70.7	400.2	444,700	604,600*b													90
95	69.0	398.3	413,800	570,600*b													95
100	67.3	396.2	386,400	540,000*b													100
105	65.5	393.9	361,800	512,200*													105
110	63.7	391.4	339,700	486,800*													110
115	61.9	388.7	319,600	463,600*	68.7	395.2	273,300	432,900*b									115
120	60.1	385.8	301,400	442,200*	67.0	393.1	257,200	412,900*b									120
125	58.2	382.7	284,700	422,500*	65.2	390.7	242,600	394,400*									125
130	56.3	379.3	269,300	404,300*	63.4	388.2	229,100	377,300*									130
135	54.3	375.7	255,200	387,400*	61.6	385.5	216,700	361,400*									135
140	52.3	371.9	242,100	371,600*	59.8	382.6	205,200	346,600*									140
145	50.3	367.7	230,000	356,900*	57.9	379.4	194,600	332,800*	64.8	385.8	159,200	308,800*					145
150	48.1	363.2	218,700	343,100*	56.0	376.0	184,600	319,900*	63.0	383.2	150,600	296,800*					150
155	45.9	358.4	208,100	330,200*	54.0	372.4	175,400	307,800*	61.2	380.5	142,600	285,500*					155
160	43.6	353.1	198,200	318,000*	52.0	368.5	166,700	296,400*	59.4	377.5	135,100	274,800*					160
165	41.2	347.5	188,900	306,500*	49.9	364.3	158,600	285,700*	57.5	374.3	128,100	264,800*					165
170	38.6	341.3	180,100	295,700*	47.8	359.7	150,900	275,600*	55.5	370.8	121,500	255,300*					170
175	36.0	334.4	171,800	285,400*	45.5	354.8	143,600	266,000*	53.6	367.1	115,300	246,400*					175
180	33.1	326.9	163,900	275,700*	43.2	349.5	136,800	256,900*	51.5	363.1	109,400	237,900*	58.8	370.5	82,100	219,100*	180
185	29.9	318.4	156,400	266,400*	40.8	343.7	130,300	248,300*	49.4	358.9	103,800	229,900*	56.9	367.2	77,400	211,600*	185
190	26.4	308.6	149,100	257,500*	38.2	337.5	124,100	240,000*	47.3	354.2	98,500	222,200*	54.9	363.7	72,900	204,500*	190
195	22.4	297.0	142,100	248,900*	35.5	330.5	118,200	232,200*	45.0	349.3	93,400	214,900*	52.9	359.9	68,700	197,700*	195
200	17.5	282.4	135,200	240,600*	32.6	322.8	112,500	224,700*	42.7	343.9	88,600	208,000*	50.9	355.8	64,600	191,200*	200
205	10.4	260.6	127,900	232,300*	29.4	314.1	107,000	217,500*	40.2	338.0	84,000	201,300*	48.7	351.4	60,700	185,100*	205
210					25.8	304.1	101,700	210,500*	37.6	331.5	79,500	195,000*	46.5	346.7	57,000	179,100*	210
215					21.7	292.1	96,500	203,800*	34.9	324.4	75,300	188,900*	44.3	341.6	53,400	173,300*	215
220					16.6	276.8	91,200	197,200*	31.9	316.5	71,100	183,000*	41.9	336.0	50,000	167,800*	220
225					8.6	252.2	85,400	190,400*	28.6	307.6	67,100	177,200*	39.4	330.0	46,700	162,500*	225
230									24.9	297.2	63,100	171,600*	36.8	323.3	43,500	157,400*	230
235									20.6	284.6	59,100	166,100*	33.9	316.0	40,400	152,500*	235
240									15.1	268.1	55,000	160,600*	30.9	307.8	37,300	147,700*	240
245									4.9	236.4	50,000	154,600*	27.5	298.4	34,300	143,100*	245
250													23.7	287.5	31,300	138,600*	250
260													12.9	255.2	24,900	129,500*	260

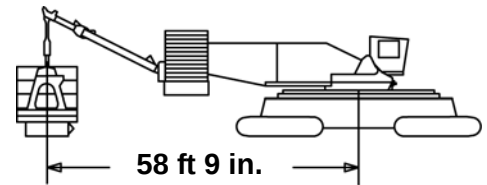
Capacities indicated by (b) require
37,000 lb minimum weight
suspended beneath luffing jib point.

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



220 ft Boom, 200 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
90	72.7	421.4	444,200	544,100*													90
95	71.2	419.7	413,000	544,100*													95
100	69.7	417.8	385,300	535,900*													100
105	68.1	415.8	360,500	509,300*													105
110	66.5	413.6	338,200	484,000*													110
115	65.0	411.2	318,000	460,800*													115
120	63.4	408.7	299,700	439,500*	69.4	414.7	254,400	409,600*									120
125	61.7	406.0	282,900	419,900*	67.9	412.7	239,700	391,100*									125
130	60.1	403.1	267,600	401,700*	66.3	410.5	226,200	374,100*									130
135	58.4	400.0	253,400	384,800*	64.7	408.1	213,800	358,300*									135
140	56.7	396.7	240,300	369,100*	63.1	405.5	202,300	343,600*									140
145	54.9	393.2	228,200	354,500*	61.5	402.8	191,700	329,800*									145
150	53.1	389.5	216,900	340,800*	59.8	399.9	181,800	317,000*									150
155	51.3	385.4	206,300	327,900*	58.1	396.8	172,500	304,900*	64.3	403.1	138,900	282,000*					155
160	49.4	381.1	196,500	315,800*	56.4	393.4	163,900	293,600*	62.7	400.5	131,400	271,400*					160
165	47.5	376.6	187,200	304,400*	54.6	389.9	155,800	282,900*	61.1	397.8	124,400	261,500*					165
170	45.5	371.6	178,500	293,700*	52.8	386.1	148,200	272,900*	59.4	394.8	117,900	252,100*					170
175	43.4	366.4	170,300	283,500*	51.0	382.0	141,000	263,400*	57.7	391.6	111,700	243,200*					175
180	41.2	360.7	162,600	273,900*	49.1	377.7	134,200	254,400*	56.0	388.2	105,900	234,800*					180
185	38.9	354.5	155,200	264,800*	47.1	373.0	127,800	245,800*	54.2	384.6	100,400	226,800*					185
190	36.5	347.9	148,200	256,100*	45.1	368.1	121,700	237,700*	52.4	380.8	95,100	219,300*	58.9	387.8	68,800	201,000*	190
195	34.0	340.5	141,600	247,800*	43.0	362.7	116,000	230,000*	50.6	376.7	90,200	212,100*	57.2	384.6	64,600	194,300*	195
200	31.3	332.4	135,200	238,600*	40.8	357.0	110,400	222,600*	48.7	372.3	85,400	205,200*	55.4	381.1	60,600	187,900*	200
205	28.3	323.4	129,100	229,700*	38.6	350.7	105,200	215,500*	46.7	367.6	80,900	198,600*	53.7	377.4	56,800	181,800*	205
210	25.0	313.0	123,100	221,600*	36.1	344.0	100,100	208,800*	44.7	362.5	76,600	192,400*	51.8	373.5	53,200	176,000*	210
215	21.2	300.7	117,300	214,400*	33.6	336.5	95,300	202,300*	42.5	357.1	72,500	186,400*	50.0	369.3	49,700	170,300*	215
220	16.6	285.2	111,600	208,300*	30.8	328.3	90,600	196,100*	40.3	351.2	68,500	180,600*	48.0	364.8	46,400	164,900*	220
225	9.8	262.1	105,500	203,900*	27.8	319.0	86,000	190,100*	38.0	344.9	64,700	175,100*	46.0	360.0	43,200	159,700*	225
230					24.4	308.4	81,600	184,300*	35.6	338.0	61,000	169,700*	44.0	354.8	40,100	154,700*	230
235					20.5	295.7	77,200	178,700*	33.0	330.3	57,400	164,500*	41.8	349.2	37,200	149,900*	235
240					15.6	279.5	72,800	173,000*	30.1	321.9	54,000	159,400*	39.6	343.2	34,300	145,200*	240
245					8.1	253.5	67,800	167,100*	27.1	312.3	50,600	154,500*	37.3	336.7	31,500	140,800*	245
250									23.6	301.3	47,200	149,800*	34.8	329.6	28,800	136,500*	250
260									14.3	270.5	40,300	140,400*	29.2	313.0	23,600	128,200*	260
270													22.4	291.4	18,400	120,400*	270
280													12.2	257.2	12,900	112,600*	280

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

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

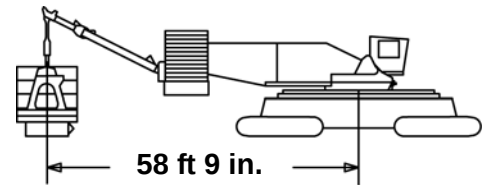
200,000 lb Carbody Counterweight

423,300 lb Hanging Counterweight

at 58 ft 9 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



220 ft Boom, 220 ft Luffing Jib

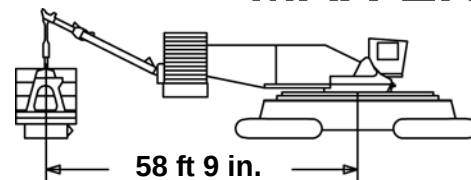
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
100	71.6	439.1	381,800	477,200*													100
105	70.2	437.3	356,900	477,200*													105
110	68.8	435.4	334,600	466,800*													110
115	67.4	433.2	314,400	453,800*													115
120	66.0	431.0	296,000	435,800*													120
125	64.5	428.6	279,200	416,200*	70.0	434.3	234,700	386,700*									125
130	63.1	426.0	263,800	398,100*	68.6	432.3	221,300	369,700*									130
135	61.6	423.3	249,700	381,300*	67.2	430.2	208,900	354,000*									135
140	60.1	420.4	236,600	365,600*	65.7	427.9	197,400	339,300*									140
145	58.5	417.4	224,500	351,000*	64.3	425.5	186,800	325,600*									145
150	57.0	414.1	213,200	337,300*	62.8	422.9	177,000	312,800*									150
155	55.4	410.6	202,700	324,500*	61.3	420.1	167,800	300,800*									155
160	53.8	407.0	192,900	312,500*	59.8	417.2	159,200	289,600*									160
165	52.1	403.1	183,700	301,200*	58.3	414.1	151,100	279,000*	63.9	420.5	118,800	256,900*					165
170	50.4	399.0	175,000	290,500*	56.7	410.8	143,600	269,000*	62.5	417.9	112,300	247,500*					170
175	48.7	394.6	166,900	280,400*	55.1	407.3	136,500	259,500*	61.0	415.1	106,200	238,700*					175
180	46.9	389.9	159,200	270,800*	53.5	403.6	129,800	250,600*	59.5	412.1	100,500	230,400*					180
185	45.1	384.9	152,000	261,700*	51.9	399.7	123,400	242,100*	57.9	409.0	95,000	222,500*					185
190	43.2	379.6	145,100	253,100*	50.2	395.5	117,400	234,000*	56.4	405.6	89,900	215,000*					190
195	41.2	373.9	138,500	244,900*	48.4	391.1	111,700	226,400*	54.8	402.1	85,000	207,800*					195
200	39.2	367.8	132,300	236,100*	46.6	386.4	106,300	219,100*	53.1	398.4	80,300	201,000*	59.0	405.1	54,700	183,200*	200
205	37.0	361.2	126,300	227,000*	44.8	381.3	101,100	212,100*	51.5	394.4	75,900	194,600*	57.4	401.9	51,000	177,200*	205
210	34.8	354.1	120,700	218,400*	42.9	376.0	96,200	205,500*	49.8	390.1	71,700	188,400*	55.9	398.5	47,400	171,500*	210
215	32.3	346.3	115,200	210,400*	40.9	370.2	91,500	199,100*	48.0	385.6	67,700	182,500*	54.3	394.9	44,100	165,900*	215
220	29.7	337.7	109,900	203,000*	38.8	364.0	87,000	193,000*	46.2	380.9	63,800	176,800*	52.6	391.1	40,800	160,500*	220
225	26.9	328.1	104,900	196,000*	36.7	357.4	82,600	187,100*	44.4	375.8	60,100	171,400*	50.9	387.0	37,700	155,400*	225
230	23.8	317.1	99,900	189,800*	34.4	350.1	78,400	181,500*	42.4	370.3	56,500	166,100*	49.2	382.7	34,700	150,500*	230
235	20.2	304.2	95,100	184,100*	31.9	342.2	74,400	176,100*	40.4	364.5	53,100	161,000*	47.5	378.1	31,900	145,700*	235
240	15.7	287.9	90,200	179,600*	29.3	333.5	70,500	170,900*	38.3	358.2	49,800	156,000*	45.6	373.2	29,100	141,200*	240
245	9.3	263.6	85,000	176,700*	26.4	323.7	66,600	165,700*	36.1	351.4	46,600	151,300*	43.8	368.0	26,500	136,800*	245
250					23.2	312.4	62,900	160,700*	33.8	344.0	43,500	146,700*	41.8	362.5	23,900	132,600*	250
260					14.9	282.0	55,300	150,900*	28.7	327.0	37,500	138,000*	37.7	350.1	19,000	124,600*	260
270									22.4	305.2	31,800	129,800*	33.1	335.5	14,300	117,100*	270
280									13.6	272.8	25,800	121,700*	27.8	317.9	9,800	110,100*	280
290													21.3	295.0	5,400	103,300*	290
300													11.6	259.1	500	96,500*	300

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

21000
MAX-ER



220 ft Boom, 240 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
105	71.9	458.5	353,700	421,100*													105
110	70.7	456.8	331,200	421,100*													110
115	69.4	454.9	311,000	420,300*													115
120	68.1	452.9	292,500	410,100*													120
125	66.8	450.7	275,700	399,500*													125
130	65.5	448.4	260,300	388,400*													130
135	64.1	446.0	246,100	377,000*	69.2	451.8	204,600	350,200*									135
140	62.8	443.4	233,000	362,300*	67.9	449.8	193,100	335,600*									140
145	61.4	440.6	220,900	347,700*	66.6	447.6	182,500	321,900*									145
150	60.1	437.8	209,600	334,100*	65.3	445.3	172,700	309,200*									150
155	58.7	434.7	199,100	321,300*	63.9	442.8	163,500	297,200*									155
160	57.2	431.5	189,300	309,300*	62.6	440.2	154,900	286,000*									160
165	55.8	428.1	180,100	298,000*	61.2	437.5	146,900	275,400*									165
170	54.3	424.5	171,500	287,400*	59.8	434.5	139,400	265,400*	65.0	440.3	107,500	243,600*					170
175	52.8	420.7	163,400	277,300*	58.4	431.5	132,300	256,000*	63.6	437.9	101,500	234,900*					175
180	51.3	416.7	155,700	267,800*	57.0	428.2	125,600	247,100*	62.3	435.2	95,700	226,600*					180
185	49.7	412.4	148,500	258,700*	55.6	424.8	119,300	238,600*	60.9	432.4	90,300	218,700*					185
190	48.1	407.9	141,700	250,200*	54.1	421.1	113,300	230,600*	59.5	429.5	85,200	211,200*					190
195	46.5	403.2	135,200	242,000*	52.6	417.3	107,700	223,000*	58.1	426.3	80,400	204,100*					195
200	44.8	398.2	129,000	234,200*	51.0	413.2	102,300	215,800*	56.7	423.0	75,800	197,400*					200
205	43.0	392.8	123,100	226,600*	49.5	409.0	97,200	208,800*	55.2	419.6	71,400	190,900*					205
210	41.2	387.2	117,500	218,300*	47.9	404.5	92,300	202,200*	53.7	415.9	67,200	184,800*	59.1	422.5	42,400	167,500*	210
215	39.4	381.1	112,200	210,400*	46.2	399.7	87,700	195,900*	52.2	412.0	63,200	178,900*	57.7	419.3	39,100	162,000*	215
220	37.4	374.6	107,100	202,800*	44.5	394.6	83,200	189,900*	50.7	407.9	59,400	173,300*	56.2	415.9	35,900	156,700*	220
225	35.4	367.6	102,100	195,700*	42.8	389.2	78,900	184,100*	49.1	403.6	55,800	167,900*	54.8	412.4	32,900	151,600*	225
230	33.2	360.0	97,400	189,000*	40.9	383.5	74,900	178,500*	47.5	399.0	52,300	162,700*	53.3	408.6	29,900	146,700*	230
235	30.9	351.8	92,800	182,700*	39.0	377.3	70,900	173,200*	45.8	394.1	48,900	157,700*	51.7	404.7	27,100	142,000*	235
240	28.4	342.7	88,400	176,800*	37.1	370.7	67,100	168,100*	44.1	389.0	45,700	152,800*	50.2	400.5	24,400	137,500*	240
245	25.7	332.6	84,100	171,300*	35.0	363.7	63,500	163,100*	42.3	383.5	42,600	148,100*	48.6	396.1	21,900	133,200*	245
250	22.7	321.1	79,900	166,400*	32.8	356.0	59,900	158,300*	40.5	377.7	39,600	143,600*	47.0	391.5	19,400	129,100*	250
260	15.0	290.4	71,600	158,600*	28.0	338.4	53,200	149,000*	36.6	364.8	33,900	135,100*	43.6	381.3	14,600	121,200*	260
270					22.2	316.3	46,600	140,200*	32.3	349.8	28,500	127,100*	39.9	369.7	10,100	113,900*	270
280					14.2	284.4	40,100	131,800*	27.4	331.8	23,400	119,600*	36.0	356.5	5,900	107,000*	280
290									21.4	308.9	18,300	112,500*	31.6	341.1	1,900	100,600*	290
300									13.0	275.0	13,100	105,400*	26.5	322.5		94,400*	300
310													20.3	298.5		88,500*	310
320													11.0	260.9		82,500*	320

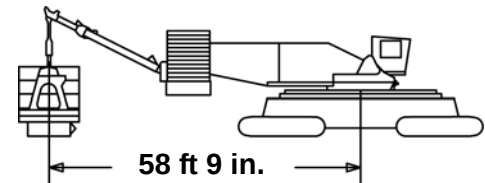
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



220 ft Boom, 260 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
115	71.0	476.2	307,100	370,700*													115
120	69.9	474.4	288,700	370,700*													120
125	68.7	472.4	271,800	369,500*													125
130	67.5	470.3	256,400	361,100*													130
135	66.3	468.1	242,200	352,200*													135
140	65.1	465.8	229,100	343,200*	69.7	471.4	188,100	331,200*									140
145	63.8	463.3	216,900	333,800*	68.5	469.4	177,500	317,600*									145
150	62.6	460.7	205,600	324,200*	67.3	467.2	167,700	304,900*									150
155	61.3	458.0	195,100	314,500*	66.1	465.0	158,500	293,000*									155
160	60.1	455.1	185,300	304,800*	64.9	462.7	150,000	281,800*									160
165	58.8	452.0	176,200	294,500*	63.6	460.2	142,000	271,300*									165
170	57.5	448.8	167,500	283,800*	62.4	457.5	134,500	261,300*									170
175	56.1	445.5	159,400	273,800*	61.1	454.8	127,500	251,900*									175
180	54.8	441.9	151,800	264,300*	59.8	451.9	120,800	243,100*	64.6	457.7	90,100	222,000*					180
185	53.4	438.2	144,600	255,300*	58.6	448.8	114,500	234,700*	63.3	455.2	84,700	214,200*					185
190	52.0	434.3	137,800	246,800*	57.2	445.6	108,600	226,700*	62.1	452.5	79,700	206,800*					190
195	50.6	430.2	131,300	238,700*	55.9	442.2	103,000	219,100*	60.8	449.7	74,900	199,700*					195
200	49.1	425.9	125,200	230,900*	54.6	438.6	97,700	211,900*	59.6	446.8	70,300	193,000*					200
205	47.6	421.3	119,400	223,300*	53.2	434.9	92,600	205,000*	58.3	443.7	66,000	186,600*					205
210	46.1	416.5	113,800	215,400*	51.8	430.9	87,800	198,500*	56.9	440.4	61,900	180,500*					210
215	44.5	411.4	108,500	207,900*	50.3	426.8	83,100	192,200*	55.6	437.0	57,900	174,700*					215
220	42.9	406.1	103,500	200,600*	48.9	422.4	78,700	186,200*	54.2	433.4	54,200	169,100*	59.1	439.8	30,000	152,100*	220
225	41.3	400.4	98,600	193,700*	47.4	417.8	74,500	180,500*	52.9	429.6	50,600	163,700*	57.8	436.6	27,000	147,100*	225
230	39.5	394.4	94,000	187,100*	45.9	413.0	70,500	174,900*	51.5	425.6	47,200	158,600*	56.5	433.3	24,200	142,200*	230
235	37.7	387.9	89,500	180,800*	44.3	407.8	66,600	169,700*	50.0	421.4	43,900	153,700*	55.2	429.8	21,400	137,600*	235
240	35.9	381.1	85,200	174,800*	42.7	402.4	62,900	164,600*	48.5	417.0	40,700	148,900*	53.8	426.2	18,800	133,200*	240
245	33.9	373.7	81,100	169,100*	41.0	396.7	59,400	159,700*	47.0	412.3	37,700	144,200*	52.4	422.3	16,300	128,900*	245
250	31.8	365.7	77,100	163,700*	39.2	390.6	55,900	155,000*	45.5	407.4	34,700	139,800*	51.0	418.3	13,800	124,800*	250
260	27.3	347.5	69,400	154,000*	35.5	377.1	49,400	145,900*	42.3	396.8	29,200	131,400*	48.1	409.5	9,200	117,000*	260
270	21.8	324.9	62,200	145,700*	31.5	361.6	43,200	137,400*	38.8	384.8	24,000	123,600*	45.0	399.8	4,900	109,800*	270
280	14.4	292.9	54,900	139,500*	26.8	343.1	37,400	129,400*	35.1	371.1	19,100	116,300*	41.7	388.9	900	103,100*	280
290					21.3	320.0	31,700	121,900*	31.0	355.3	14,500	109,400*	38.3	376.7		96,800*	290
300					13.6	286.6	26,000	114,500*	26.3	336.4	10,000	102,800*	34.5	362.7		90,800*	300
310									20.6	312.5	5,600	96,600*	30.3	346.5		85,200*	310
320									12.4	277.0	1,000	90,400*	25.4	327.0		79,800*	320
330													19.5	301.9		74,500*	330
340													10.6	262.6		69,200*	340

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

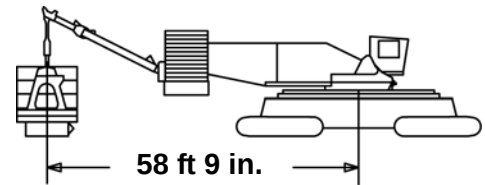
200,000 lb Carbody Counterweight

423,300 lb Hanging Counterweight

at 58 ft 9 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



220 ft Boom, 280 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
125	70.3	493.9	270,000	325,400*													125
130	69.2	492.0	254,300	325,400*													130
135	68.1	489.9	240,000	325,400*													135
140	67.0	487.8	226,700	319,500*													140
145	65.8	485.5	214,500	312,300*													145
150	64.7	483.2	203,100	304,800*	69.0	488.9	164,400	301,400*									150
155	63.6	480.7	192,500	297,100*	67.9	486.9	155,200	289,500*									155
160	62.4	478.0	182,700	289,200*	66.8	484.7	146,600	278,400*									160
165	61.2	475.3	173,400	281,500*	65.6	482.4	138,600	267,900*									165
170	60.1	472.4	164,800	273,500*	64.5	480.0	131,000	258,000*									170
175	58.9	469.4	156,600	265,400*	63.4	477.5	124,000	248,600*									175
180	57.6	466.2	149,000	257,400*	62.2	474.9	117,300	239,800*									180
185	56.4	462.9	141,700	249,500*	61.0	472.1	111,000	231,400*									185
190	55.2	459.4	134,900	241,600*	59.9	469.2	105,100	223,400*	64.3	475.1	75,500	203,200*					190
195	53.9	455.7	128,400	233,900*	58.7	466.1	99,400	215,900*	63.1	472.5	70,700	196,100*					195
200	52.6	451.9	122,300	226,400*	57.4	462.9	94,100	208,700*	61.9	469.9	66,200	189,400*					200
205	51.3	447.9	116,400	219,100*	56.2	459.6	89,000	201,800*	60.8	467.0	61,800	183,100*					205
210	50.0	443.7	110,900	212,000*	55.0	456.0	84,200	195,300*	59.6	464.1	57,700	177,000*					210
215	48.6	439.3	105,600	204,800*	53.7	452.4	79,600	189,100*	58.4	461.0	53,800	171,200*					215
220	47.2	434.6	100,600	198,100*	52.4	448.5	75,200	183,100*	57.2	457.8	50,100	165,700*					220
225	45.8	429.8	95,700	191,600*	51.1	444.5	71,000	177,400*	55.9	454.4	46,500	160,400*					225
230	44.3	424.7	91,100	185,300*	49.7	440.2	67,000	171,900*	54.7	450.8	43,100	155,300*	59.2	457.1	19,600	138,600*	230
235	42.8	419.3	86,700	179,200*	48.4	435.8	63,200	166,700*	53.4	447.1	39,800	150,400*	58.0	454.0	16,900	134,000*	235
240	41.3	413.6	82,400	173,400*	47.0	431.1	59,500	161,600*	52.1	443.2	36,700	145,600*	56.8	450.7	14,300	129,600*	240
245	39.7	407.6	78,400	167,800*	45.5	426.2	56,000	156,800*	50.8	439.1	33,700	141,100*	55.5	447.3	11,800	125,400*	245
250	38.0	401.2	74,400	162,500*	44.1	421.1	52,600	152,100*	49.4	434.9	30,800	136,600*	54.3	443.7	9,400	121,300*	250
260	34.5	387.3	67,000	152,500*	41.0	409.9	46,100	143,200*	46.7	425.6	25,300	128,300*	51.7	435.9	4,800	113,600*	260
270	30.6	371.2	60,000	143,600*	37.7	397.4	40,100	134,800*	43.7	415.5	20,300	120,600*	49.0	427.4	600	106,500*	270
280	26.2	352.2	53,400	135,700*	34.2	383.3	34,500	127,000*	40.6	404.2	15,500	113,400*	46.2	418.1		99,800*	280
290	21.0	328.5	47,000	129,000*	30.3	367.0	29,200	119,700*	37.3	391.5	11,000	106,600*	43.3	407.7		93,600*	290
300	13.8	295.2	40,700	122,900*	25.8	347.7	24,100	112,700*	33.8	377.2	6,700	100,200*	40.1	396.2		87,800*	300
310					20.5	323.5	19,100	106,100*	29.8	360.6	2,700	94,200*	36.8	383.4		82,200*	310
320					13.1	288.9	14,000	99,600*	25.3	340.9		88,500*	33.2	368.7		77,000*	320
330									19.8	315.9		83,000*	29.1	351.7		72,100*	330
340									12.0	279.0		77,400*	24.5	331.3		67,300*	340
350													18.7	305.1		62,600*	350
360													10.1	264.3		57,400*	360

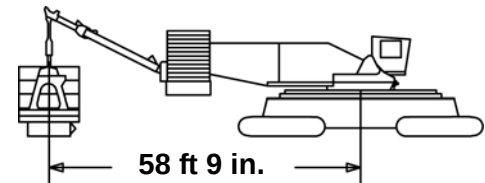
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



220 ft Boom, 300 ft Luffing Jib

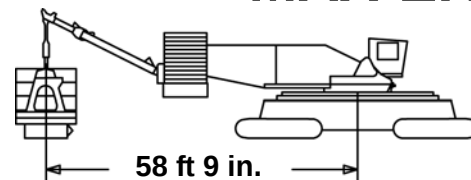
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
135	69.6	511.5	235,900	286,700*									135
140	68.6	509.5	222,600	286,700*									140
145	67.5	507.4	210,300	286,700*									145
150	66.5	505.2	198,900	283,200*									150
155	65.5	503.0	188,400	277,300*	69.4	508.4	150,100	285,200*					155
160	64.4	500.5	178,500	271,200*	68.4	506.4	141,500	274,100*					160
165	63.3	498.0	169,200	264,900*	67.4	504.3	133,500	263,600*					165
170	62.2	495.4	160,600	258,500*	66.3	502.1	126,000	253,700*					170
175	61.2	492.6	152,400	251,900*	65.3	499.8	118,900	244,400*					175
180	60.1	489.7	144,800	244,200*	64.2	497.4	112,300	235,600*					180
185	58.9	486.7	137,500	235,900*	63.1	494.9	106,000	227,300*					185
190	57.8	483.5	130,700	227,600*	62.1	492.2	100,100	219,300*					190
195	56.7	480.2	124,200	219,400*	61.0	489.4	94,500	211,800*	65.0	494.9	65,000	191,600*	195
200	55.5	476.8	118,100	211,400*	59.9	486.5	89,200	204,700*	64.0	492.4	60,500	185,000*	200
205	54.3	473.2	112,300	203,600*	58.7	483.5	84,100	197,800*	62.9	489.9	56,300	178,600*	205
210	53.1	469.5	106,700	195,800*	57.6	480.3	79,300	191,300*	61.8	487.2	52,200	172,600*	210
215	51.9	465.5	101,500	188,300*	56.5	477.0	74,800	185,100*	60.7	484.4	48,300	166,800*	215
220	50.7	461.4	96,400	181,100*	55.3	473.5	70,400	179,200*	59.6	481.4	44,600	161,300*	220
225	49.4	457.1	91,600	174,000*	54.1	469.9	66,300	173,500*	58.5	478.4	41,100	156,000*	225
230	48.1	452.7	87,100	167,300*	52.9	466.1	62,300	168,100*	57.4	475.1	37,700	151,000*	230
235	46.8	448.0	82,700	160,700*	51.7	462.1	58,500	162,900*	56.2	471.8	34,500	146,100*	235
240	45.5	443.1	78,400	154,200*	50.5	458.0	54,800	157,800*	55.0	468.3	31,400	141,500*	240
245	44.1	437.9	74,400	147,900*	49.2	453.7	51,300	153,000*	53.9	464.6	28,400	136,900*	245
250	42.7	432.5	70,500	141,800*	47.9	449.2	48,000	148,400*	52.7	460.8	25,600	132,600*	250
260	39.8	420.9	63,200	130,200*	45.3	439.5	41,600	139,600*	50.2	452.6	20,200	124,300*	260
270	36.7	407.9	56,300	119,200*	42.5	428.9	35,700	131,300*	47.6	443.7	15,200	116,600*	270
280	33.3	393.2	49,900	109,000*	39.5	417.1	30,200	123,600*	45.0	434.0	10,500	109,500*	280
290	29.5	376.4	43,900	99,400*	36.4	404.0	25,000	116,400*	42.2	423.2	6,100	102,800*	290
300	25.3	356.6	38,100	90,400*	33.0	389.2	20,100	109,600*	39.2	411.3	2,000	96,500*	300
310	20.2	332.0	32,500	82,300*	29.2	372.2	15,500	100,100*	36.0	398.0		90,600*	310
320	13.4	297.5	26,900	75,500*	24.9	352.1	11,000	91,200*	32.6	383.0		85,100*	320
330					19.7	326.9	6,600	83,000*	28.7	365.7		79,800*	330
340					12.6	291.0	2,000	75,900*	24.4	345.1		74,700*	340
350									19.1	319.2		69,800*	350
360									11.5	281.0		64,800*	360

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

21000
MAX-ER



240 ft Boom, 120 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
65				c													65
70				c													70
75				c													75
80				c													80
85	63.8	357.6	482,700	647,900*b													85
90	61.1	354.8	448,100	610,000*b													90
95	58.3	351.7	417,500	576,000*b				c									95
100	55.4	348.2	390,200	545,200*b				c									100
105	52.4	344.4	365,600	517,200*b	64.3	355.1	314,200	483,400*b									105
110	49.2	340.0	343,500	491,700*	61.6	352.4	294,900	459,500*b									110
115	45.9	335.2	323,300	468,200*	58.8	349.3	277,400	437,700*b									115
120	42.4	329.8	304,800	446,600*	55.9	345.9	261,400	417,500*b									120
125	38.6	323.5	287,800	426,600*	52.9	342.1	246,700	398,900*b	64.6	350.6	204,800	370,700*b					125
130	34.4	316.4	272,000	408,000*	49.8	337.9	233,200	381,700*	61.9	347.9	193,300	354,700*b					130
135	29.7	307.9	257,200	390,500*	46.5	333.2	220,600	365,600*	59.1	344.9	182,600	339,800*b					135
140	24.1	297.3	243,200	374,100*	43.0	327.8	208,900	350,700*	56.2	341.6	172,700	325,900*b					140
145	16.7	282.6	229,400	358,300*	39.3	321.8	198,000	336,600*	53.3	337.8	163,400	313,000*b					145
150					35.2	314.8	187,600	323,400*	50.2	333.6	154,800	300,800*					150
155					30.6	306.6	177,800	310,800*	46.9	329.0	146,600	289,300*	59.2	338.4	114,500	267,200*b	155
160					25.2	296.5	168,300	298,900*	43.4	323.7	139,000	278,500*	56.3	335.1	108,200	257,300*b	160
165					18.2	282.8	158,900	287,300*	39.7	317.7	131,700	268,300*	53.3	331.3	102,200	247,900*b	165
170					2.9	251.2	147,400	274,600*	35.7	310.9	124,700	258,500*	50.2	327.2	96,500	239,000*	170
175									31.1	302.8	118,000	249,200*	46.9	322.5	91,100	230,500*	175
180									25.9	293.0	111,400	240,200*	43.5	317.2	85,900	222,500*	180
185									19.2	279.9	104,700	231,500*	39.8	311.3	80,900	214,800*	185
190									7.3	255.6	96,900	222,200*	35.7	304.5	76,100	207,400*	190
195													31.2	296.4	71,400	200,300*	195
200													25.9	286.6	66,700	193,400*	200
205													19.3	273.6	61,900	186,400*	205
210													7.7	249.8	56,000	178,900*	210

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

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

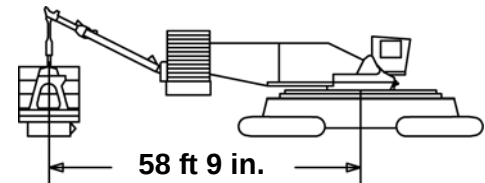
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



240 ft Boom, 140 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
70				c													70
75				c													75
80				c													80
85	67.8	379.8	481,900	644,700*b													85
90	65.6	377.5	447,100	606,900*b													90
95	63.3	374.9	416,400	573,000*b													95
100	60.9	372.1	389,100	542,400*b													100
105	58.5	369.0	364,600	514,600*b	68.2	377.2	310,700	479,200*b									105
110	56.1	365.7	342,400	489,200*	66.0	374.9	291,400	455,500*b									110
115	53.5	362.0	322,400	465,900*	63.7	372.4	274,000	433,800*b									115
120	50.9	357.9	304,100	444,500*	61.4	369.7	258,100	413,900*b									120
125	48.1	353.4	287,300	424,800*	59.0	366.7	243,600	395,400*b									125
130	45.3	348.5	271,800	406,400*	56.5	363.3	230,200	378,400*									130
135	42.2	343.0	257,500	389,400*	54.0	359.7	217,900	362,500*	64.0	368.0	177,700	335,400*b					135
140	39.0	336.9	244,200	373,400*	51.4	355.7	206,400	347,700*	61.6	365.2	168,000	321,700*b					140
145	35.5	329.9	231,800	358,500*	48.6	351.3	195,700	333,900*	59.3	362.2	159,000	308,900*b					145
150	31.7	322.0	220,100	344,500*	45.8	346.4	185,700	321,000*	56.8	359.0	150,500	296,900*					150
155	27.3	312.6	209,000	331,200*	42.8	341.1	176,400	308,800*	54.3	355.4	142,600	285,600*					155
160	22.2	301.1	198,300	318,500*	39.6	335.1	167,600	297,300*	51.7	351.4	135,200	275,000*					160
165	15.3	285.1	187,700	306,200*	36.2	328.3	159,200	286,400*	49.0	347.0	128,200	265,000*	59.3	355.8	96,800	243,400*b	165
170					32.4	320.6	151,200	276,100*	46.1	342.2	121,500	255,500*	56.8	352.5	91,300	234,600*	170
175					28.2	311.5	143,600	266,200*	43.1	336.9	115,300	246,500*	54.3	348.9	86,200	226,400*	175
180					23.2	300.5	136,100	256,700*	40.0	331.0	109,300	238,000*	51.7	344.9	81,300	218,500*	180
185					16.8	285.6	128,600	247,400*	36.6	324.4	103,500	229,800*	49.0	340.6	76,600	211,100*	185
190					2.5	251.2	119,200	237,100*	32.8	316.7	98,000	222,000*	46.2	335.8	72,100	204,000*	190
195									28.7	307.9	92,600	214,500*	43.2	330.5	67,800	197,200*	195
200									23.8	297.1	87,300	207,300*	40.0	324.6	63,700	190,700*	200
205									17.6	282.8	81,900	200,100*	36.6	317.9	59,700	184,400*	205
210									6.6	256.5	75,400	192,400*	32.9	310.3	55,800	178,300*	210
215													28.7	301.5	52,000	172,300*	215
220													23.9	290.7	48,100	166,500*	220
225													17.7	276.5	44,100	160,700*	225
230													7.0	250.8	39,100	154,300*	230

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

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

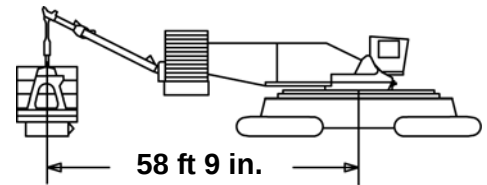
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 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	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
75				c													75
80				c													80
85	70.7	401.3	480,500	636,800*b													85
90	68.8	399.4	445,600	604,400*b													90
95	66.9	397.2	414,900	570,600*b													95
100	64.9	394.8	387,600	540,100*b													100
105	62.9	392.2	363,100	512,400*b													105
110	60.8	389.4	341,000	487,100*	69.2	396.8	288,400	452,400*b									110
115	58.7	386.4	321,000	463,900*	67.2	394.6	271,000	430,800*b									115
120	56.6	383.1	302,800	442,600*	65.3	392.3	255,200	411,000*b									120
125	54.4	379.5	286,100	423,000*	63.2	389.8	240,800	392,700*b									125
130	52.1	375.6	270,800	404,800*	61.2	387.0	227,500	375,700*									130
135	49.8	371.3	256,700	387,900*	59.1	384.0	215,300	359,900*									135
140	47.3	366.7	243,600	372,100*	57.0	380.7	203,900	345,300*									140
145	44.8	361.7	231,400	357,400*	54.8	377.2	193,400	331,600*	63.5	385.3	155,300	305,700*b					145
150	42.1	356.2	220,000	343,600*	52.5	373.3	183,600	318,800*	61.4	382.6	147,000	293,800*					150
155	39.3	350.1	209,400	330,600*	50.2	369.2	174,400	306,700*	59.3	379.6	139,200	282,600*					155
160	36.3	343.4	199,300	318,400*	47.8	364.6	165,800	295,400*	57.2	376.4	131,900	272,100*					160
165	33.1	335.9	189,800	306,800*	45.2	359.7	157,700	284,700*	55.0	372.8	125,100	262,200*					165
170	29.5	327.2	180,800	295,900*	42.6	354.3	150,100	274,600*	52.8	369.0	118,600	252,900*					170
175	25.4	317.1	172,200	285,400*	39.8	348.3	142,800	265,000*	50.5	364.9	112,500	244,100*	59.4	373.1	82,200	223,100*	175
180	20.6	304.6	163,800	275,300*	36.9	341.7	135,900	255,900*	48.0	360.4	106,700	235,700*	57.2	369.9	77,400	215,400*	180
185	14.2	287.4	155,400	265,500*	33.7	334.3	129,400	247,300*	45.5	355.5	101,200	227,700*	55.1	366.4	72,900	208,100*	185
190					30.2	325.9	123,000	239,000*	42.9	350.1	96,000	220,100*	52.8	362.5	68,600	201,100*	190
195					26.2	316.1	116,900	231,000*	40.2	344.3	91,000	212,900*	50.5	358.4	64,500	194,400*	195
200					21.6	304.1	110,900	223,300*	37.2	337.7	86,200	206,000*	48.1	353.9	60,600	188,100*	200
205					15.6	288.2	104,800	215,700*	34.0	330.5	81,600	199,300*	45.6	349.0	56,900	182,000*	205
210					2.1	251.1	96,900	207,100*	30.6	322.2	77,100	192,900*	43.0	343.7	53,300	176,100*	210
215									26.7	312.5	72,700	186,800*	40.2	337.8	49,800	170,400*	215
220									22.2	300.9	68,300	180,700*	37.3	331.3	46,400	164,900*	220
225									16.4	285.6	63,800	174,600*	34.1	324.0	43,100	159,700*	225
230									6.1	257.4	58,400	168,000*	30.6	315.7	39,900	154,600*	230
235													26.8	306.1	36,700	149,600*	235
240													22.2	294.5	33,500	144,700*	240
245													16.5	279.3	30,100	139,800*	245
250													6.4	251.6	25,800	134,400*	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).

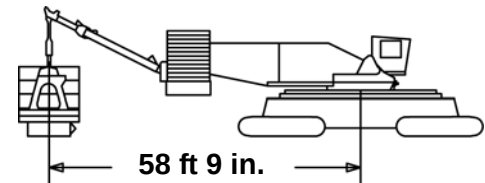
Liftcrane Luffing Jib Capacities

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
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



240 ft Boom, 180 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
90	71.3	420.8	444,200	562,600 b													90
95	69.6	418.9	413,200	550,200 b													95
100	67.9	416.8	385,700	532,800 b													100
105	66.1	414.6	361,000	508,700 b													105
110	64.4	412.2	338,800	483,500*													110
115	62.6	409.6	318,700	460,500*	69.9	416.3	266,900	426,300 b									115
120	60.7	406.7	300,400	439,200*	68.2	414.3	251,100	406,600 b									120
125	58.9	403.7	283,700	419,700*	66.4	412.1	236,700	388,400 b									125
130	57.0	400.5	268,400	401,500*	64.7	409.7	223,400	371,500*									130
135	55.0	396.9	254,200	384,700*	62.9	407.1	211,200	355,800*									135
140	53.0	393.2	241,200	369,100*	61.1	404.3	199,900	341,200*									140
145	51.0	389.1	229,000	354,400*	59.2	401.3	189,400	327,600*									145
150	48.9	384.7	217,700	340,800*	57.3	398.1	179,700	314,900*	64.9	405.2	141,600	289,100*					150
155	46.7	380.0	207,200	327,900*	55.4	394.6	170,500	303,000*	63.1	402.6	133,900	278,000*					155
160	44.4	375.0	197,300	315,800*	53.4	390.9	162,000	291,700*	61.3	399.9	126,700	267,600*					160
165	42.0	369.4	188,000	304,400*	51.4	386.9	154,000	281,200*	59.4	396.9	120,000	257,800*					165
170	39.5	363.4	179,200	291,600*	49.3	382.6	146,500	271,200*	57.5	393.7	113,600	248,600*					170
175	36.9	356.8	171,000	279,200*	47.1	378.0	139,400	261,700*	55.6	390.3	107,600	239,800*					175
180	34.1	349.5	163,100	267,600*	44.8	372.9	132,700	252,800*	53.6	386.6	102,000	231,600*					180
185	31.1	341.4	155,600	256,900*	42.5	367.5	126,300	244,300*	51.6	382.6	96,600	223,700*	59.4	390.4	67,100	203,300*	185
190	27.7	332.1	148,400	247,100*	40.0	361.6	120,200	236,200*	49.5	378.3	91,500	216,200*	57.6	387.2	62,900	196,400*	190
195	23.9	321.2	141,400	238,400*	37.4	355.1	114,400	228,500*	47.3	373.7	86,700	209,100*	55.6	383.8	58,900	189,900*	195
200	19.4	307.9	134,600	230,900*	34.6	347.9	108,900	221,100*	45.1	368.8	82,000	202,400*	53.7	380.1	55,100	183,600*	200
205	13.3	289.6	127,700	225,400*	31.6	340.0	103,600	214,000*	42.7	363.4	77,600	195,900*	51.6	376.1	51,500	177,700*	205
210					28.3	330.9	98,400	207,200*	40.3	357.5	73,400	189,700*	49.5	371.9	48,100	171,900*	210
215					24.6	320.4	93,400	200,600*	37.7	351.1	69,300	183,700*	47.4	367.3	44,700	166,400*	215
220					20.3	307.6	88,400	194,200*	35.0	344.0	65,400	178,000*	45.1	362.3	41,600	161,000*	220
225					14.6	290.6	83,300	187,900*	32.0	336.1	61,500	172,500*	42.8	356.9	38,500	155,900*	225
230					1.9	251.0	76,500	180,600*	28.7	327.2	57,800	167,000*	40.3	351.1	35,500	151,000*	230
235									25.1	316.9	54,100	161,800*	37.7	344.6	32,600	146,300*	235
240									20.8	304.5	50,400	156,600*	35.0	337.6	29,800	141,700*	240
245									15.4	288.1	46,600	151,400*	32.0	329.7	27,100	137,200*	245
250									5.7	258.1	41,900	145,700*	28.8	320.8	24,400	132,900*	250
260													20.9	298.1	18,900	124,600*	260
270													6.0	252.5	12,300	115,700*	270

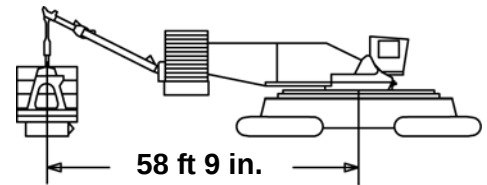
Capacities indicated by (b) require
37,000 lb minimum weight
suspended beneath luffing jib point.

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



240 ft Boom, 200 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
95	71.7	440.2	410,800	496,400*													95
100	70.2	438.4	383,200	492,800*													100
105	68.7	436.4	358,500	479,100*													105
110	67.1	434.3	336,200	464,400*													110
115	65.5	432.0	316,100	449,200*													115
120	63.9	429.5	297,800	433,600*													120
125	62.3	426.9	281,100	417,000*	68.9	433.8	233,000	385,000*									125
130	60.7	424.1	265,800	398,900*	67.4	431.7	219,700	368,200*									130
135	59.0	421.0	251,700	382,100*	65.8	429.5	207,600	352,600*									135
140	57.3	417.8	238,700	366,500*	64.2	427.0	196,300	338,100*									140
145	55.5	414.4	226,600	352,000*	62.6	424.4	185,900	324,500*									145
150	53.8	410.7	215,400	338,300*	61.0	421.6	176,200	311,800*									150
155	51.9	406.8	204,900	325,600*	59.3	418.6	167,200	300,000*									155
160	50.1	402.6	195,100	312,800*	57.6	415.5	158,700	288,800*	64.4	422.6	122,500	264,100*					160
165	48.2	398.1	185,900	299,600*	55.9	412.1	150,800	278,300*	62.8	420.0	115,800	254,400*					165
170	46.2	393.3	177,200	286,900*	54.1	408.4	143,300	268,400*	61.1	417.2	109,500	245,200*					170
175	44.1	388.2	169,000	275,000*	52.3	404.6	136,300	259,000*	59.5	414.2	103,600	236,500*					175
180	42.0	382.6	161,300	263,600*	50.4	400.4	129,700	250,100*	57.8	411.1	98,000	228,300*					180
185	39.7	376.7	154,000	252,900*	48.5	396.0	123,400	241,700*	56.1	407.7	92,800	220,500*					185
190	37.4	370.2	147,100	242,700*	46.5	391.3	117,500	233,700*	54.3	404.1	87,800	213,100*					190
195	34.9	363.1	140,500	233,200*	44.5	386.2	111,800	226,100*	52.5	400.2	83,000	206,100*	59.5	407.7	54,500	186,300*	195
200	32.3	355.3	134,100	224,400*	42.4	380.7	106,400	218,800*	50.6	396.1	78,500	199,400*	57.8	404.6	50,800	180,100*	200
205	29.4	346.6	128,000	216,200*	40.2	374.8	101,300	211,900*	48.7	391.7	74,200	193,000*	56.1	401.2	47,200	174,300*	205
210	26.2	336.7	122,200	208,700*	37.8	368.4	96,400	205,300*	46.8	387.0	70,100	186,900*	54.3	397.6	43,900	168,600*	210
215	22.6	325.2	116,500	202,000*	35.4	361.5	91,600	198,900*	44.7	382.0	66,100	181,000*	52.5	393.8	40,700	163,200*	215
220	18.3	311.0	110,800	196,300*	32.7	353.8	87,100	192,800*	42.6	376.6	62,300	175,400*	50.7	389.7	37,600	157,900*	220
225	12.6	291.7	105,000	192,000*	29.9	345.3	82,700	186,900*	40.4	370.7	58,700	170,100*	48.8	385.3	34,600	152,900*	225
230					26.8	335.6	78,400	181,200*	38.1	364.4	55,200	164,800*	46.8	380.6	31,800	148,000*	230
235					23.3	324.4	74,100	175,700*	35.7	357.5	51,800	159,800*	44.8	375.5	29,000	143,400*	235
240					19.2	310.9	70,000	170,300*	33.1	349.9	48,500	154,900*	42.6	370.1	26,400	138,900*	240
245					13.8	292.9	65,600	164,900*	30.3	341.5	45,300	150,100*	40.4	364.3	23,800	134,600*	245
250					1.7	250.9	59,800	158,500*	27.2	332.0	42,100	145,500*	38.1	358.0	21,300	130,500*	250
260									19.7	307.8	35,900	136,600*	33.1	343.5	16,500	122,600*	260
270									5.3	258.9	28,500	127,300*	27.2	325.6	11,900	115,100*	270
280													19.7	301.5	7,200	107,900*	280
290													5.6	253.3	1,400	100,200*	290

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

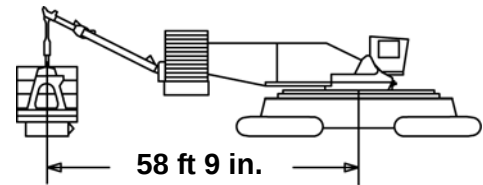
Liftcrane Luffing Jib Capacities

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
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



240 ft Boom, 220 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
105	70.7	457.9	354,800	438,100*													105
110	69.3	456.0	332,500	430,600*													110
115	67.9	453.9	312,300	419,100*													115
120	66.5	451.7	294,000	406,800*													120
125	65.0	449.4	277,300	394,200*													125
130	63.6	446.9	262,000	381,300*	69.5	453.4	214,600	363,700*									130
135	62.1	444.2	247,900	368,200*	68.1	451.4	202,400	348,100*									135
140	60.6	441.4	234,900	355,200*	66.7	449.2	191,200	333,700*									140
145	59.1	438.4	222,800	342,200*	65.3	446.9	180,900	320,200*									145
150	57.5	435.2	211,600	329,400*	63.8	444.4	171,200	307,600*									150
155	56.0	431.8	201,100	316,800*	62.4	441.8	162,200	295,800*									155
160	54.4	428.2	191,400	304,600*	60.9	439.0	153,800	284,600*									160
165	52.7	424.4	182,200	292,700*	59.4	436.0	146,000	274,200*									165
170	51.0	420.3	173,600	281,100*	57.8	432.8	138,600	264,300*	64.0	439.9	103,700	240,500*					170
175	49.3	416.0	165,500	270,000*	56.2	429.5	131,600	255,000*	62.5	437.3	97,900	231,900*					175
180	47.6	411.5	157,900	259,300*	54.6	425.9	125,000	246,200*	61.0	434.5	92,400	223,800*					180
185	45.7	406.6	150,600	249,000*	53.0	422.1	118,800	237,900*	59.5	431.6	87,200	216,000*					185
190	43.9	401.4	143,800	239,300*	51.3	418.1	113,000	229,900*	58.0	428.4	82,300	208,700*					190
195	41.9	395.9	137,300	230,000*	49.6	413.9	107,400	222,400*	56.4	425.1	77,600	201,700*					195
200	39.9	389.9	131,100	221,100*	47.9	409.4	102,100	215,200*	54.8	421.6	73,200	195,100*					200
205	37.8	383.5	125,200	212,800*	46.1	404.6	97,100	208,300*	53.2	417.8	68,900	188,800*	59.5	425.1	41,100	169,400*	205
210	35.6	376.6	119,500	204,900*	44.2	399.4	92,200	201,800*	51.5	413.8	64,900	182,700*	58.0	421.9	37,800	163,900*	210
215	33.2	369.0	114,100	197,600*	42.3	394.0	87,600	195,500*	49.8	409.6	61,000	176,900*	56.4	418.6	34,700	158,500*	215
220	30.7	360.7	108,900	190,700*	40.3	388.1	83,200	189,500*	48.1	405.1	57,400	171,400*	54.9	415.1	31,700	153,400*	220
225	27.9	351.5	103,900	184,300*	38.2	381.8	79,000	183,700*	46.3	400.4	53,800	166,100*	53.2	411.3	28,800	148,400*	225
230	24.9	341.0	99,000	178,500*	36.0	374.9	74,900	178,200*	44.4	395.3	50,400	161,000*	51.6	407.4	26,100	143,600*	230
235	21.5	328.9	94,200	173,300*	33.6	367.5	71,000	172,900*	42.5	389.8	47,200	156,100*	49.9	403.1	23,400	139,100*	235
240	17.4	314.0	89,400	168,900*	31.1	359.3	67,100	167,700*	40.5	384.0	44,000	151,300*	48.1	398.6	20,900	134,700*	240
245	12.0	293.7	84,500	165,700*	28.5	350.3	63,400	162,700*	38.4	377.7	41,000	146,700*	46.3	393.9	18,400	130,500*	245
250					25.5	340.1	59,800	157,900*	36.2	371.0	38,000	142,200*	44.5	388.8	16,100	126,400*	250
260					18.2	314.0	52,600	148,400*	31.4	355.5	32,400	133,700*	40.5	377.5	11,500	118,700*	260
270					1.5	250.8	43,800	138,100*	25.8	336.5	26,900	125,700*	36.3	364.5	7,200	111,500*	270
280									18.7	311.0	21,500	118,100*	31.5	349.1	3,100	104,700*	280
290									5.0	259.6	15,100	109,900*	25.9	330.2		98,300*	290
300													18.8	304.7		92,000*	300
310													5.3	254.0		85,200*	310

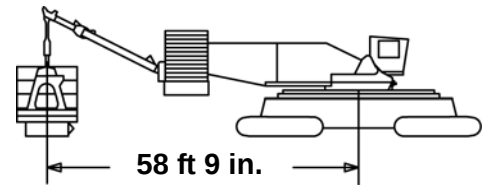
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 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	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
110	71.1	477.3	329,100	388,600*													110
115	69.8	475.5	308,900	388,600*													115
120	68.5	473.5	290,500	379,400*													120
125	67.2	471.4	273,800	369,600*													125
130	65.9	469.1	258,400	359,500*													130
135	64.6	466.8	244,300	349,100*													135
140	63.3	464.2	231,200	338,400*	68.8	470.9	186,800	329,900*									140
145	61.9	461.5	219,200	327,700*	67.5	468.8	176,400	316,400*									145
150	60.5	458.7	207,900	317,000*	66.2	466.6	166,800	303,800*									150
155	59.2	455.7	197,500	306,200*	64.9	464.2	157,800	292,000*									155
160	57.7	452.5	187,700	295,600*	63.5	461.7	149,500	281,000*									160
165	56.3	449.2	178,600	285,200*	62.2	459.1	141,600	270,600*									165
170	54.8	445.7	170,000	274,900*	60.8	456.3	134,200	260,700*									170
175	53.4	441.9	161,900	265,000*	59.4	453.3	127,300	251,500*	65.0	459.7	93,000	227,900*					175
180	51.8	438.0	154,300	255,300*	58.0	450.2	120,800	242,700*	63.7	457.3	87,500	219,800*					180
185	50.3	433.9	147,100	245,900*	56.6	446.9	114,600	234,400*	62.3	454.6	82,300	212,100*					185
190	48.7	429.5	140,300	236,800*	55.1	443.4	108,800	226,500*	61.0	451.8	77,400	204,800*					190
195	47.1	424.8	133,900	228,100*	53.6	439.7	103,200	218,900*	59.6	448.9	72,800	197,900*					195
200	45.4	419.9	127,700	219,700*	52.1	435.8	98,000	211,800*	58.2	445.8	68,400	191,300*					200
205	43.7	414.7	121,900	211,600*	50.6	431.7	93,000	205,000*	56.7	442.5	64,200	185,000*					205
210	41.9	409.1	116,300	204,000*	49.0	427.3	88,200	198,500*	55.3	439.0	60,200	179,000*					210
215	40.0	403.2	111,000	196,700*	47.4	422.7	83,700	192,300*	53.8	435.3	56,400	173,300*	59.6	442.4	29,600	154,600*	215
220	38.1	396.8	105,900	189,800*	45.7	417.8	79,300	186,300*	52.3	431.5	52,800	167,800*	58.2	439.3	26,600	149,400*	220
225	36.1	390.0	101,000	183,200*	44.0	412.7	75,200	180,600*	50.7	427.4	49,300	162,500*	56.8	436.0	23,800	144,500*	225
230	34.0	382.7	96,300	177,000*	42.2	407.2	71,200	175,100*	49.2	423.0	46,000	157,500*	55.3	432.5	21,100	139,800*	230
235	31.7	374.7	91,800	171,200*	40.4	401.3	67,400	169,900*	47.6	418.5	42,800	152,600*	53.8	428.9	18,500	135,300*	235
240	29.3	365.9	87,400	165,800*	38.5	395.1	63,700	164,800*	45.9	413.6	39,700	147,900*	52.3	425.0	16,000	130,900*	240
245	26.7	356.2	83,200	160,800*	36.5	388.3	60,100	159,900*	44.2	408.5	36,800	143,300*	50.8	420.9	13,600	126,700*	245
250	23.8	345.2	79,000	156,200*	34.4	381.1	56,600	155,200*	42.4	403.0	33,900	139,000*	49.2	416.6	11,300	122,700*	250
260	16.6	316.9	70,900	148,800*	29.8	364.6	50,100	146,200*	38.7	391.0	28,500	130,600*	45.9	407.2	6,900	115,100*	260
270					24.4	344.4	43,800	137,600*	34.6	377.2	23,400	122,900*	42.4	396.6	2,800	108,100*	270
280					17.4	317.0	37,600	129,400*	30.0	360.9	18,500	115,600*	38.7	384.6		101,400*	280
290					1.3	250.7	29,800	120,400*	24.7	340.9	13,800	108,700*	34.6	370.7		95,200*	290
300									17.9	314.1	9,100	102,000*	30.1	354.5		89,300*	300
310									4.8	260.3	3,300	94,800*	24.7	334.5		83,700*	310
320													17.9	307.8		78,200*	320
330													5.0	254.8		72,200*	330

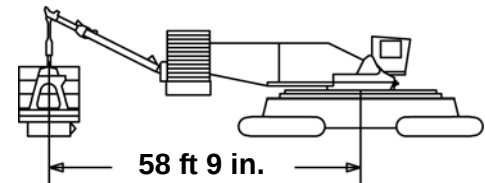
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



240 ft Boom, 260 ft Luffing Jib

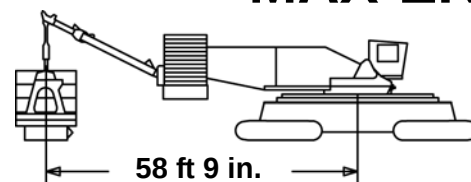
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
120	70.3	495.0	288,100	342,700*													120
125	69.1	493.0	271,200	342,200*													125
130	67.9	491.0	255,700	334,600*													130
135	66.7	488.8	241,400	326,600*													135
140	65.5	486.5	228,300	318,200*													140
145	64.3	484.1	216,100	309,600*	69.3	490.5	172,100	312,000*									145
150	63.0	481.6	204,800	300,800*	68.1	488.4	162,400	299,500*									150
155	61.8	478.9	194,200	292,200*	66.9	486.3	153,400	287,700*									155
160	60.5	476.0	184,400	283,200*	65.7	484.0	145,000	276,700*									160
165	59.2	473.0	175,200	274,300*	64.5	481.6	137,100	266,300*									165
170	57.9	469.9	166,600	265,500*	63.2	479.1	129,700	256,500*									170
175	56.6	466.6	158,500	256,700*	62.0	476.4	122,800	247,300*									175
180	55.3	463.1	150,900	248,100*	60.7	473.6	116,300	238,600*									180
185	53.9	459.5	143,700	239,700*	59.5	470.6	110,100	230,300*	64.6	477.1	76,800	207,500*					185
190	52.5	455.6	136,800	231,500*	58.2	467.5	104,300	222,400*	63.4	474.6	72,000	200,200*					190
195	51.1	451.6	130,400	223,500*	56.8	464.2	98,800	214,900*	62.1	472.0	67,400	193,400*					195
200	49.6	447.3	124,300	215,700*	55.5	460.8	93,500	207,800*	60.9	469.1	63,000	186,800*					200
205	48.2	442.9	118,400	208,200*	54.1	457.2	88,500	201,100*	59.6	466.2	58,900	180,600*					205
210	46.6	438.1	112,900	201,000*	52.8	453.4	83,800	194,600*	58.3	463.1	54,900	174,600*					210
215	45.1	433.1	107,600	194,100*	51.3	449.4	79,300	188,400*	57.0	459.9	51,200	168,900*					215
220	43.5	427.9	102,500	187,400*	49.9	445.1	75,000	182,500*	55.7	456.4	47,600	163,500*					220
225	41.8	422.3	97,700	181,000*	48.4	440.7	70,900	176,900*	54.3	452.8	44,100	158,300*	59.6	459.7	17,800	139,800*	225
230	40.1	416.4	93,100	174,900*	46.9	436.0	66,900	171,400*	52.9	449.0	40,800	153,300*	58.3	456.6	15,100	135,100*	230
235	38.4	410.1	88,600	169,100*	45.4	431.1	63,100	166,200*	51.5	445.1	37,700	148,500*	57.0	453.4	12,600	130,700*	235
240	36.5	403.4	84,300	163,500*	43.8	425.9	59,500	161,200*	50.1	440.9	34,700	143,800*	55.7	449.9	10,200	126,400*	240
245	34.6	396.2	80,200	158,300*	42.1	420.4	56,000	156,400*	48.6	436.5	31,800	139,300*	54.3	446.3	7,800	122,200*	245
250	32.6	388.5	76,200	153,300*	40.5	414.6	52,600	151,800*	47.1	431.8	29,000	135,000*	52.9	442.5	5,600	118,300*	250
260	28.1	370.9	68,600	144,300*	36.9	401.7	46,200	143,000*	44.0	421.7	23,600	126,800*	50.1	434.4	1,300	110,800*	260
270	22.8	349.2	61,400	136,700*	32.9	387.0	40,200	134,600*	40.6	410.5	18,700	119,200*	47.1	425.4		103,800*	270
280	15.9	319.6	54,300	130,800*	28.5	369.7	34,500	126,800*	37.1	397.7	14,000	112,000*	44.0	415.3		97,300*	280
290					23.4	348.4	29,100	119,400*	33.2	383.1	9,600	105,300*	40.7	404.0		91,200*	290
300					16.7	319.9	23,600	112,200*	28.8	366.0	5,400	99,000*	37.1	391.3		85,500*	300
310					1.2	250.5	16,600	104,200*	23.7	345.0	1,300	92,900*	33.2	376.7		80,100*	310
320									17.1	317.0		87,100*	28.8	359.6		74,900*	320
330									4.5	260.9		80,700*	23.7	338.6		70,000*	330
340													17.2	310.7		65,100*	340
350													4.8	255.5		59,200*	350

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



240 ft Boom, 280 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
130	69.6	512.6	252,300	303,900*									130
135	68.5	510.6	238,000	303,000*									135
140	67.3	508.5	224,800	296,600*									140
145	66.2	506.3	212,600	289,900*									145
150	65.1	503.9	201,300	282,900*	69.8	510.0	158,200	295,900*					150
155	64.0	501.5	190,800	275,800*	68.7	508.0	149,200	284,200*					155
160	62.8	498.9	181,000	268,500*	67.5	505.9	140,800	273,200*					160
165	61.6	496.2	171,800	261,200*	66.4	503.7	133,000	262,800*					165
170	60.5	493.3	163,100	253,900*	65.3	501.4	125,600	253,100*					170
175	59.3	490.4	155,000	246,500*	64.2	499.0	118,700	243,900*					175
180	58.1	487.2	147,400	239,100*	63.0	496.4	112,200	235,200*					180
185	56.8	484.0	140,200	231,700*	61.9	493.7	106,000	226,900*					185
190	55.6	480.5	133,400	224,500*	60.7	490.9	100,200	219,100*					190
195	54.3	476.9	127,000	217,300*	59.5	488.0	94,700	211,600*	64.3	494.5	62,800	189,700*	195
200	53.1	473.2	120,900	210,500*	58.3	484.9	89,500	204,600*	63.1	492.0	58,500	183,200*	200
205	51.8	469.2	115,100	203,500*	57.1	481.6	84,600	197,800*	62.0	489.3	54,400	177,000*	205
210	50.4	465.1	109,600	197,000*	55.8	478.2	79,900	191,400*	60.8	486.5	50,400	171,000*	210
215	49.1	460.8	104,300	190,600*	54.6	474.6	75,400	185,200*	59.6	483.5	46,700	165,400*	215
220	47.7	456.2	99,300	184,400*	53.3	470.9	71,100	179,400*	58.4	480.5	43,200	160,000*	220
225	46.3	451.4	94,500	178,300*	52.0	467.0	67,000	173,800*	57.2	477.2	39,800	154,800*	225
230	44.8	446.4	89,900	172,500*	50.7	462.9	63,100	168,400*	56.0	473.8	36,500	149,800*	230
235	43.3	441.1	85,500	166,900*	49.3	458.6	59,400	163,200*	54.7	470.3	33,400	145,100*	235
240	41.8	435.5	81,300	161,400*	48.0	454.1	55,800	158,200*	53.4	466.6	30,400	140,500*	240
245	40.2	429.7	77,200	156,300*	46.5	449.4	52,300	153,500*	52.1	462.7	27,500	136,000*	245
250	38.6	423.4	73,300	151,400*	45.1	444.4	49,000	148,900*	50.8	458.6	24,800	131,700*	250
260	35.1	409.8	65,900	142,200*	42.1	433.6	42,700	140,200*	48.1	449.9	19,600	123,600*	260
270	31.3	394.1	59,000	134,000*	38.9	421.6	36,900	131,900*	45.3	440.2	14,700	116,100*	270
280	27.0	375.7	52,500	126,700*	35.5	408.1	31,400	124,200*	42.3	429.5	10,200	109,000*	280
290	22.0	353.0	46,200	120,500*	31.7	392.6	26,200	117,000*	39.1	417.6	5,900	102,400*	290
300	15.3	322.2	40,000	115,800*	27.4	374.5	21,300	110,200*	35.7	404.2	1,900	96,200*	300
310					22.5	352.4	16,500	103,700*	31.9	388.8		90,400*	310
320					16.0	322.6	11,700	97,400*	27.7	370.9		84,800*	320
330									22.8	349.0		79,500*	330
340									16.5	319.9		74,300*	340
350									4.4	261.6		68,600*	350
360													360

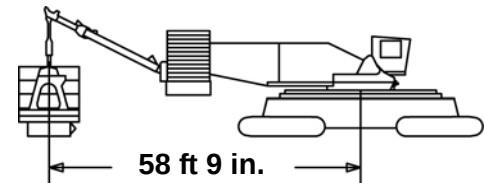
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 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

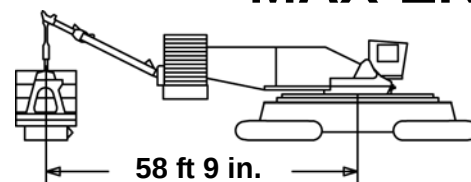
Jib Oper. Rad. Feet	85 Degree Boom Angle					80 Degree Boom Angle					75 Degree Boom Angle					Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds		Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds		Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds		
140	68.9	530.1	220,600	269,000*												140
145	67.9	528.1	208,400	268,600*												145
150	66.9	525.9	197,100	263,300*												150
155	65.8	523.7	186,500	257,700*												155
160	64.8	521.3	176,700	251,900*	69.1	527.5	135,600	268,800*								160
165	63.7	518.8	167,500	246,000*	68.1	525.5	127,700	258,500*								165
170	62.6	516.2	158,900	240,100*	67.1	523.4	120,400	248,800*								170
175	61.5	513.5	150,800	234,000*	66.0	521.1	113,500	239,600*								175
180	60.4	510.7	143,100	227,800*	65.0	518.8	107,000	230,900*								180
185	59.3	507.7	136,000	221,700*	63.9	516.3	100,900	222,700*								185
190	58.2	504.6	129,200	215,400*	62.8	513.7	95,100	214,900*								190
195	57.1	501.3	122,700	209,400*	61.7	511.0	89,700	207,500*								195
200	55.9	497.9	116,700	203,300*	60.6	508.2	84,500	200,500*								200
205	54.7	494.4	110,900	197,300*	59.5	505.3	79,600	193,700*	64.0	511.9	48,600	172,400*				205
210	53.6	490.7	105,400	191,400*	58.4	502.2	74,900	187,300*	62.9	509.3	44,700	166,500*				210
215	52.3	486.8	100,100	185,600*	57.3	499.0	70,400	181,200*	61.9	506.6	41,000	160,900*				215
220	51.1	482.8	95,100	179,900*	56.1	495.6	66,200	175,400*	60.8	503.8	37,500	155,500*				220
225	49.9	478.6	90,400	174,300*	55.0	492.1	62,100	169,800*	59.7	500.9	34,100	150,400*				225
230	48.6	474.2	85,800	168,900*	53.8	488.4	58,200	164,400*	58.5	497.8	30,900	145,400*				230
235	47.3	469.6	81,400	162,300*	52.6	484.6	54,500	159,300*	57.4	494.6	27,900	140,700*				235
240	46.0	464.7	77,200	155,900*	51.3	480.6	51,000	154,300*	56.2	491.2	24,900	136,200*				240
245	44.6	459.7	73,200	149,500*	50.1	476.4	47,600	149,600*	55.1	487.7	22,100	131,800*				245
250	43.2	454.4	69,400	143,500*	48.8	472.0	44,300	145,000*	53.9	484.1	19,400	127,600*				250
260	40.3	442.9	62,100	131,900*	46.2	462.7	38,100	136,400*	51.5	476.3	14,300	119,500*				260
270	37.2	430.2	55,300	120,900*	43.5	452.4	32,300	128,400*	49.0	467.8	9,500	112,000*				270
280	33.9	415.8	48,900	110,700*	40.6	441.0	26,900	120,700*	46.4	458.5	5,100	105,100*				280
290	30.2	399.5	42,900	101,000*	37.5	428.4	21,900	113,600*	43.6	448.2	900	98,500*				290
300	26.1	380.3	37,200	92,100*	34.2	414.2	17,100	106,900*	40.8	436.9		92,400*				300
310	21.2	356.7	31,700	83,900*	30.6	398.1	12,600	100,600*	37.7	424.4		86,700*				310
320	14.8	324.7	26,200	76,600*	26.5	379.2	8,300	94,300*	34.4	410.3		81,300*				320
330					21.7	356.1	4,000	85,800*	30.8	394.3		76,100*				330
340					15.5	325.2		78,300*	26.7	375.6		71,200*				340
350									22.0	352.8		66,500*				350
360									15.9	322.6		61,800*				360
370									4.2	262.2		56,000*				370

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



260 ft Boom, 120 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
70				c													70
75				c													75
80				c													80
85	64.8	378.4	481,200	643,200*b													85
90	62.1	375.7	446,600	605,600*b													90
95	59.3	372.7	415,900	571,800*b													95
100	56.4	369.4	388,600	541,200*b													100
105	53.4	365.7	364,100	513,400*b				c									105
110	50.3	361.5	342,000	488,100*b	63.5	374.0	287,300	451,900*b									110
115	47.1	356.9	321,800	464,800*	60.8	371.2	270,100	430,400*b									115
120	43.6	351.7	303,400	443,300*	57.9	368.0	254,400	410,600*b									120
125	39.9	345.7	286,400	423,500*	55.0	364.5	240,000	392,300*b									125
130	35.9	338.9	270,700	405,000*	52.0	360.6	226,800	375,300*b	64.7	370.0	181,600	344,900*b					130
135	31.4	331.0	256,000	387,800*	48.8	356.2	214,500	359,600*	62.0	367.4	171,500	330,400*b					135
140	26.2	321.2	242,200	371,500*	45.5	351.3	203,100	344,800*	59.2	364.4	162,000	316,900*b					140
145	19.6	308.4	228,800	356,000*	41.9	345.8	192,400	331,000*	56.4	361.0	153,200	304,300*b					145
150	8.5	285.7	214,700	340,500*	38.1	339.5	182,300	318,000*	53.4	357.3	145,000	292,400*b					150
155					33.8	332.1	172,800	305,800*	50.3	353.1	137,200	281,300*b					155
160					29.0	323.4	163,700	294,100*	47.0	348.5	129,900	270,800*					160
165					23.3	312.5	154,900	282,900*	43.6	343.2	123,000	260,800*	57.4	355.1	89,500	237,700*b	165
170					15.5	296.9	145,900	271,900*	39.8	337.3	116,400	251,400*	54.4	351.5	84,200	229,200*b	170
175									35.8	330.5	110,100	242,400*	51.4	347.5	79,300	221,000*b	175
180									31.3	322.5	104,000	233,800*	48.2	343.1	74,600	213,300*	180
185									26.1	312.7	98,000	225,500*	44.8	338.0	70,000	206,000*	185
190									19.4	299.7	91,900	217,300*	41.2	332.4	65,700	198,900*	190
195									8.1	276.6	84,800	208,700*	37.3	325.9	61,400	192,200*	195
200													32.9	318.3	57,300	185,700*	200
205													28.0	309.3	53,100	179,300*	205
210													22.0	297.7	48,900	172,900*	210
215													13.3	280.3	44,200	166,400*	215

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

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

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

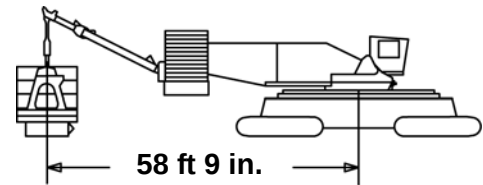
200,000 lb Carbody Counterweight

423,300 lb Hanging Counterweight

at 58 ft 9 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



260 ft Boom, 140 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
75				c													75
80				c													80
85	68.6	400.4	479,000	628,200*b													85
90	66.4	398.2	444,400	602,300*b													90
95	64.1	395.8	413,800	568,600*b													95
100	61.8	393.0	386,600	538,200*b													100
105	59.4	390.1	362,200	510,600*b													105
110	56.9	386.8	340,100	485,400*b	67.6	396.2	282,800	447,700*b									110
115	54.4	383.2	320,200	462,300*	65.3	393.9	265,800	426,300*b									115
120	51.8	379.3	302,000	441,100*	63.0	391.3	250,300	406,700*b									120
125	49.1	374.9	285,300	421,500*	60.6	388.5	236,100	388,600*b									125
130	46.3	370.2	269,900	403,300*	58.2	385.4	223,100	371,800*b									130
135	43.3	364.9	255,700	386,400*	55.8	382.0	211,000	356,200*									135
140	40.1	359.0	242,500	370,600*	53.2	378.2	199,800	341,600*	64.0	387.4	156,600	312,400*b					140
145	36.7	352.4	230,100	355,800*	50.5	374.1	189,400	328,100*	61.7	384.7	148,000	299,900*b					145
150	33.0	344.8	218,500	340,800*	47.8	369.5	179,700	315,300*	59.3	381.7	140,000	288,200*b					150
155	28.9	336.0	207,500	326,300*	44.9	364.5	170,600	303,300*	56.9	378.4	132,500	277,300*b					155
160	24.1	325.4	197,000	313,600*	41.8	359.0	162,000	292,100*	54.4	374.8	125,400	266,900*					160
165	18.0	311.4	186,700	303,300*	38.6	352.8	153,900	281,400*	51.8	370.9	118,800	257,200*					165
170	7.7	286.8	175,700	291,900*	35.0	345.8	146,200	271,300*	49.1	366.5	112,500	248,000*					170
175					31.1	337.7	138,800	261,600*	46.2	361.7	106,600	239,200*	57.7	372.5	73,700	216,500*b	175
180					26.7	328.1	131,700	252,400*	43.2	356.4	100,900	231,000*	55.3	369.0	69,200	209,000*	180
185					21.4	316.1	124,700	243,400*	40.1	350.5	95,500	223,000*	52.7	365.2	64,900	201,800*	185
190					14.2	299.2	117,400	234,600*	36.7	343.9	90,300	215,500*	50.0	361.0	60,800	195,000*	190
195									33.0	336.4	85,200	208,300*	47.2	356.4	56,900	188,500*	195
200									28.8	327.5	80,300	201,300*	44.3	351.3	53,200	182,300*	200
205									24.0	316.8	75,500	194,500*	41.2	345.6	49,600	176,300*	205
210									17.9	302.7	70,500	187,800*	37.9	339.2	46,000	170,500*	210
215									7.4	277.6	64,600	180,600*	34.3	332.0	42,600	164,800*	215
220													30.3	323.7	39,200	159,300*	220
225													25.8	313.7	35,800	154,000*	225
230													20.2	301.1	32,300	148,700*	230
235													12.2	282.3	28,400	143,200*	235

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

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

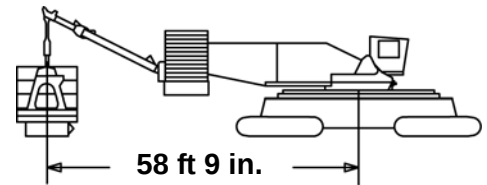
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 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	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
80				^c													80
85	71.4	421.9	479,400	575,200* ^b													85
90	69.5	420.0	444,500	562,800* ^b													90
95	67.6	417.9	413,600	543,700* ^b													95
100	65.6	415.6	386,200	523,600* ^b													100
105	63.6	413.1	361,700	502,900* ^b													105
110	61.5	410.4	339,600	482,100* ^b													110
115	59.5	407.4	319,600	460,200*	68.6	415.8	263,400	423,200* ^b									115
120	57.3	404.2	301,400	439,100*	66.6	413.6	247,900	403,700* ^b									120
125	55.1	400.7	284,700	419,600*	64.6	411.3	233,700	385,600* ^b									125
130	52.9	396.9	269,400	401,500*	62.6	408.6	220,700	369,000* ^b									130
135	50.6	392.8	255,300	382,900*	60.6	405.8	208,700	353,500*									135
140	48.2	388.3	242,200	365,100*	58.5	402.7	197,600	339,000*									140
145	45.7	383.4	230,000	348,200*	56.3	399.4	187,300	325,600*									145
150	43.1	378.1	218,700	332,200*	54.1	395.7	177,700	313,000*	63.5	404.7	136,500	285,000* ^b					150
155	40.3	372.2	208,100	317,200*	51.8	391.8	168,700	301,100*	61.5	402.0	129,100	274,100* ^b					155
160	37.4	365.8	198,100	303,200*	49.5	387.5	160,300	290,000*	59.4	399.0	122,100	263,900*					160
165	34.2	358.5	188,700	290,200*	47.0	382.9	152,400	279,500*	57.3	395.8	115,600	254,300*					165
170	30.8	350.3	179,700	278,200*	44.5	377.8	144,900	269,600*	55.1	392.3	109,500	245,200*					170
175	26.9	340.7	171,100	267,500*	41.8	372.2	137,900	260,100*	52.9	388.5	103,700	236,600*					175
180	22.4	329.2	162,800	258,000*	38.9	366.1	131,200	251,200*	50.5	384.4	98,200	228,400*					180
185	16.7	314.2	154,700	250,600*	35.9	359.3	124,800	242,700*	48.1	379.9	93,000	220,700*	58.0	389.9	61,000	198,600*	185
190	7.1	287.9	145,700	247,000*	32.6	351.6	118,600	234,600*	45.6	375.0	88,000	213,300*	55.9	386.5	57,100	191,900*	190
195					29.0	342.8	112,700	226,800*	43.0	369.7	83,300	206,300*	53.6	382.8	53,300	185,500*	195
200					24.9	332.4	106,900	219,300*	40.3	363.8	78,700	199,600*	51.4	378.8	49,800	179,400*	200
205					19.9	319.5	101,200	212,000*	37.3	357.3	74,300	193,100*	49.0	374.4	46,300	173,600*	205
210					13.2	301.4	95,300	204,700*	34.2	350.0	70,100	186,900*	46.5	369.7	43,000	168,000*	210
215									30.7	341.8	66,000	181,000*	43.9	364.5	39,900	162,500*	215
220									26.8	332.2	62,000	175,200*	41.2	358.8	36,800	157,300*	220
225									22.3	320.7	57,900	169,500*	38.4	352.6	33,800	152,200*	225
230									16.6	305.5	53,800	163,900*	35.3	345.6	30,900	147,300*	230
235									6.8	278.6	48,800	157,700*	31.9	337.7	28,000	142,600*	235
240													28.2	328.7	25,200	138,000*	240
245													24.0	317.9	22,400	133,500*	245
250													18.8	304.3	19,400	129,100*	250

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

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

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

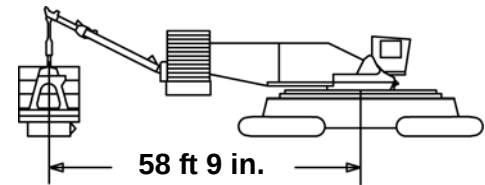
200,000 lb Carbody Counterweight

423,300 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	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
95	70.2	439.5	410,300	503,800*(b)													95
100	68.5	437.5	382,900	488,400*(b)													100
105	66.7	435.3	358,300	472,200*(b)													105
110	65.0	433.0	336,200	455,300*													110
115	63.2	430.4	316,200	438,200*													115
120	61.4	427.7	298,000	420,900*	69.4	435.4	242,800	399,100*(b)									120
125	59.5	424.7	281,400	403,800*	67.6	433.3	228,700	381,200*(b)									125
130	57.6	421.5	266,200	387,000*	65.9	431.1	215,800	364,600*(b)									130
135	55.7	418.1	252,100	370,500*	64.1	428.6	203,800	349,200*									135
140	53.7	414.4	239,100	354,500*	62.3	426.0	192,800	334,800*									140
145	51.7	410.5	227,000	339,000*	60.5	423.1	182,600	321,500*									145
150	49.6	406.2	215,800	324,100*	58.6	420.1	173,100	309,000*									150
155	47.5	401.6	205,300	309,900*	56.7	416.8	164,200	297,200*	64.9	424.6	123,200	269,300*					155
160	45.2	396.7	195,500	296,400*	54.8	413.2	155,900	286,200*	63.2	422.0	116,400	259,200*					160
165	42.9	391.3	186,300	283,500*	52.8	409.4	148,200	275,800*	61.3	419.3	110,000	249,600*					165
170	40.4	385.5	177,600	271,500*	50.7	405.3	140,800	266,000*	59.5	416.3	103,900	240,600*					170
175	37.9	379.1	169,300	260,100*	48.6	400.9	133,900	256,700*	57.6	413.1	98,300	232,100*					175
180	35.1	372.1	161,500	249,500*	46.4	396.2	127,400	247,900*	55.7	409.7	92,900	224,100*					180
185	32.1	364.2	154,100	239,700*	44.1	391.0	121,200	239,500*	53.7	406.0	87,800	216,500*					185
190	28.9	355.4	147,000	230,700*	41.7	385.4	115,300	231,600*	51.7	402.1	83,000	209,200*					190
195	25.3	345.2	140,100	222,600*	39.2	379.4	109,600	224,000*	49.6	397.8	78,400	202,300*	58.3	407.2	47,200	180,700*	195
200	21.1	332.9	133,400	215,600*	36.6	372.7	104,300	216,700*	47.4	393.2	74,000	195,700*	56.3	403.9	43,800	174,700*	200
205	15.7	316.8	126,700	210,000*	33.7	365.3	99,100	209,800*	45.2	388.3	69,800	189,400*	54.4	400.3	40,500	169,000*	205
210	6.7	288.8	119,300	207,600*	30.7	357.0	94,100	203,100*	42.8	382.9	65,800	183,400*	52.4	396.4	37,300	163,500*	210
215					27.3	347.6	89,300	196,700*	40.4	377.0	62,000	177,600*	50.3	392.3	34,300	158,200*	215
220					23.4	336.5	84,500	190,500*	37.8	370.6	58,300	172,000*	48.2	387.8	31,400	153,100*	220
225					18.7	322.7	79,800	184,400*	35.1	363.6	54,700	166,700*	46.0	383.0	28,600	148,200*	225
230					12.4	303.4	74,800	178,200*	32.1	355.8	51,200	161,500*	43.7	377.7	25,900	143,400*	230
235									28.8	346.9	47,700	156,500*	41.2	372.1	23,300	138,900*	235
240									25.2	336.6	44,400	151,500*	38.7	365.9	20,800	134,500*	240
245									21.0	324.3	41,000	146,700*	36.0	359.1	18,300	130,300*	245
250									15.6	308.1	37,400	141,800*	33.1	351.5	15,800	126,200*	250
260													26.5	333.3	11,000	118,300*	260
270													17.7	307.3	6,100	110,600*	270

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

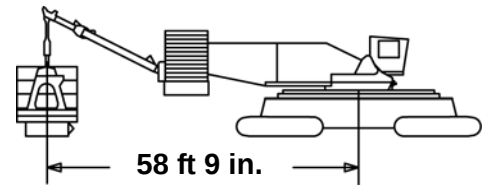
Liftcrane Luffing Jib Capacities

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
423,300 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	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
100	70.7	459.0	380,300	452,200* b													100
105	69.2	457.1	355,700	440,100* b													105
110	67.6	455.0	333,600	427,000*													110
115	66.1	452.7	313,600	413,300*													115
120	64.5	450.3	295,400	399,200*													120
125	62.9	447.8	278,700	384,900*	70.0	454.9	224,800	377,700* b									125
130	61.2	445.0	263,500	370,600*	68.5	452.9	211,900	361,200*									130
135	59.6	442.0	249,500	356,500*	66.9	450.8	200,100	345,800*									135
140	57.9	438.9	236,500	342,400*	65.3	448.4	189,100	331,600*									140
145	56.1	435.5	224,500	328,700*	63.7	446.0	178,900	318,200*									145
150	54.4	431.9	213,300	315,400*	62.1	443.3	169,500	305,800*									150
155	52.6	428.1	202,900	302,500*	60.4	440.4	160,700	294,100*									155
160	50.7	424.0	193,200	290,000*	58.8	437.4	152,500	283,100*									160
165	48.8	419.6	184,000	278,000*	57.1	434.1	144,700	272,800*	64.4	442.0	105,600	246,100*					165
170	46.9	415.0	175,400	266,500*	55.3	430.7	137,500	263,000*	62.8	439.4	99,600	237,100*					170
175	44.8	409.9	167,300	255,500*	53.5	427.0	130,700	253,800*	61.2	436.6	94,000	228,700*					175
180	42.7	404.5	159,700	245,100*	51.7	423.0	124,200	245,100*	59.5	433.7	88,800	220,700*					180
185	40.5	398.7	152,400	235,300*	49.8	418.8	118,100	236,800*	57.8	430.5	83,800	213,100*					185
190	38.2	392.4	145,500	226,000*	47.9	414.3	112,300	229,000*	56.1	427.1	79,000	205,900*					190
195	35.8	385.6	139,000	217,300*	45.9	409.5	106,800	221,500*	54.4	423.5	74,500	199,100*					195
200	33.2	378.0	132,700	209,100*	43.9	404.3	101,600	214,400*	52.5	419.7	70,200	192,600*					200
205	30.4	369.6	126,700	201,600*	41.7	398.7	96,600	207,500*	50.7	415.6	66,200	186,400*	58.4	424.6	36,000	165,400*	205
210	27.4	360.2	120,900	194,700*	39.5	392.6	91,800	201,000*	48.8	411.2	62,300	180,400*	56.7	421.3	32,900	160,000*	210
215	23.9	349.3	115,200	188,400*	37.1	386.1	87,200	194,800*	46.8	406.5	58,500	174,700*	55.0	417.7	30,000	154,800*	215
220	19.9	336.3	109,700	183,100*	34.6	378.9	82,800	188,800*	44.8	401.5	55,000	169,300*	53.2	414.0	27,200	149,800*	220
225	14.9	319.3	104,100	178,900*	31.9	371.0	78,500	183,000*	42.7	396.1	51,500	164,100*	51.3	410.0	24,500	144,900*	225
230	6.3	289.7	97,900	177,200*	29.0	362.1	74,400	177,400*	40.5	390.3	48,200	159,100*	49.5	405.7	21,900	140,300*	230
235					25.8	352.1	70,300	172,000*	38.2	384.0	45,000	154,200*	47.5	401.1	19,400	135,800*	235
240					22.1	340.3	66,300	166,800*	35.7	377.1	41,900	149,500*	45.5	396.2	17,000	131,500*	240
245					17.7	325.8	62,300	161,600*	33.2	369.5	38,900	144,900*	43.4	391.0	14,700	127,400*	245
250					11.7	305.3	58,100	156,400*	30.4	361.1	35,900	140,400*	41.3	385.3	12,400	123,400*	250
260									23.9	340.8	30,200	131,900*	36.6	372.5	8,000	115,900*	260
270									14.7	310.6	24,200	123,500*	31.4	357.1	3,900	108,800*	270
280													25.1	337.7		102,000*	280
290													16.7	310.1		95,400*	290

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

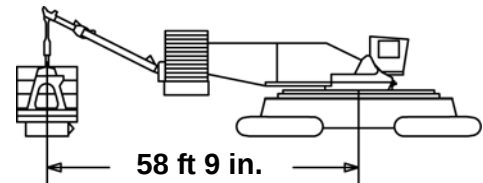
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 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	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
110	69.8	476.6	329,700	396,400*													110
115	68.4	474.6	309,700	385,800*													115
120	67.0	472.4	291,400	374,700*													120
125	65.5	470.1	274,800	363,300*													125
130	64.1	467.7	259,600	351,600*													130
135	62.6	465.1	245,600	339,700*	69.1	472.5	194,700	341,300*									135
140	61.1	462.3	232,600	327,900*	67.7	470.4	183,800	327,000*									140
145	59.6	459.4	220,600	316,000*	66.3	468.2	173,700	313,800*									145
150	58.1	456.2	209,500	304,300*	64.8	465.8	164,300	301,400*									150
155	56.5	452.9	199,100	292,900*	63.4	463.3	155,600	289,800*									155
160	54.9	449.4	189,400	281,700*	61.9	460.6	147,400	278,900*									160
165	53.3	445.7	180,300	270,800*	60.4	457.8	139,700	268,600*									165
170	51.6	441.7	171,700	260,300*	58.9	454.7	132,600	258,900*									170
175	49.9	437.5	163,700	250,100*	57.3	451.5	125,800	249,700*	64.0	459.3	88,100	223,900*					175
180	48.2	433.0	156,100	240,400*	55.8	448.1	119,400	241,100*	62.6	456.7	82,900	216,000*					180
185	46.4	428.3	148,900	230,900*	54.2	444.5	113,400	232,900*	61.1	453.9	78,000	208,500*					185
190	44.5	423.2	142,100	222,000*	52.5	440.6	107,700	225,100*	59.6	451.0	73,300	201,400*					190
195	42.6	417.8	135,700	213,500*	50.8	436.6	102,200	217,700*	58.0	447.9	68,900	194,600*					195
200	40.6	412.0	129,500	205,400*	49.1	432.2	97,100	210,600*	56.5	444.5	64,700	188,100*					200
205	38.5	405.7	123,700	197,800*	47.3	427.6	92,200	203,900*	54.9	441.0	60,700	182,000*					205
210	36.3	399.0	118,100	190,500*	45.5	422.7	87,500	197,400*	53.3	437.3	56,900	176,100*					210
215	34.0	391.7	112,700	183,800*	43.6	417.5	83,000	191,300*	51.6	433.3	53,200	170,500*	58.6	441.9	23,700	149,900*	215
220	31.6	383.6	107,500	177,400*	41.7	411.9	78,700	185,400*	49.9	429.1	49,700	165,100*	57.0	438.6	21,000	145,000*	220
225	28.9	374.8	102,500	171,500*	39.6	405.9	74,600	179,700*	48.1	424.6	46,400	160,000*	55.4	435.2	18,400	140,200*	225
230	26.0	364.8	97,700	166,200*	37.5	399.4	70,700	174,300*	46.3	419.8	43,200	155,000*	53.8	431.5	15,900	135,700*	230
235	22.7	353.3	93,000	161,300*	35.3	392.4	66,800	169,000*	44.5	414.8	40,100	150,300*	52.2	427.6	13,500	131,300*	235
240	18.9	339.5	88,300	157,200*	32.9	384.8	63,100	164,000*	42.6	409.3	37,100	145,700*	50.5	423.5	11,200	127,100*	240
245	14.1	321.7	83,600	154,000*	30.3	376.4	59,600	159,100*	40.6	403.5	34,300	141,200*	48.8	419.1	9,000	123,000*	245
250	5.9	290.6	78,200	152,900*	27.6	367.0	56,100	154,400*	38.5	397.3	31,500	136,900*	47.0	414.5	6,800	119,100*	250
260					21.0	344.0	49,200	145,300*	34.0	383.2	26,200	128,700*	43.2	404.2	2,700	111,800*	260
270					11.1	307.1	42,100	136,200*	28.9	366.3	21,100	120,900*	39.2	392.4		104,900*	270
280									22.7	344.7	16,100	113,600*	34.8	378.7		98,400*	280
290									14.0	313.0	11,000	106,400*	29.8	362.4		92,300*	290
300													23.9	341.9		86,400*	300
310													15.9	312.8		80,600*	310

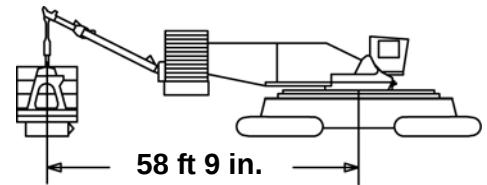
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 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	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
120	69.0	494.1	289,500	349,800*													120
125	67.7	492.1	272,600	340,900*													125
130	66.4	489.9	257,200	331,600*													130
135	65.1	487.5	243,100	322,200*													135
140	63.7	485.0	230,000	312,500*	69.7	492.0	180,200	323,200*									140
145	62.4	482.4	217,900	302,900*	68.4	490.0	170,000	309,900*									145
150	61.0	479.6	206,700	293,100*	67.1	487.9	160,600	297,600*									150
155	59.6	476.7	196,200	283,300*	65.8	485.6	151,800	286,000*									155
160	58.2	473.6	186,400	273,600*	64.4	483.2	143,600	275,100*									160
165	56.8	470.3	177,300	264,000*	63.1	480.6	135,900	264,900*									165
170	55.4	466.9	168,700	254,600*	61.7	477.9	128,600	255,200*									170
175	53.9	463.2	160,700	245,400*	60.4	475.1	121,900	246,100*									175
180	52.4	459.3	153,100	236,700*	59.0	472.1	115,500	237,500*									180
185	50.8	455.2	145,900	228,100*	57.6	468.9	109,400	229,300*	63.7	476.7	73,200	204,500*					185
190	49.3	450.9	139,100	219,700*	56.1	465.5	103,700	221,500*	62.4	474.0	68,600	197,400*					190
195	47.6	446.4	132,600	211,600*	54.7	462.0	98,300	214,200*	61.0	471.2	64,200	190,700*					195
200	46.0	441.6	126,500	203,900*	53.2	458.2	93,200	207,100*	59.6	468.3	60,000	184,200*					200
205	44.3	436.4	120,700	196,500*	51.6	454.2	88,300	200,400*	58.2	465.2	56,000	178,100*					205
210	42.5	431.0	115,100	189,400*	50.1	450.1	83,600	194,000*	56.8	461.9	52,300	172,300*					210
215	40.7	425.2	109,800	182,700*	48.5	445.6	79,200	187,900*	55.3	458.5	48,700	166,700*					215
220	38.8	419.0	104,800	176,300*	46.9	441.0	75,000	182,100*	53.8	454.8	45,200	161,400*					220
225	36.8	412.4	99,900	170,300*	45.2	436.0	70,900	176,500*	52.3	450.9	41,900	156,300*	58.7	459.2	13,300	136,200*	225
230	34.7	405.2	95,200	164,600*	43.4	430.7	67,000	171,100*	50.8	446.8	38,700	151,400*	57.3	456.0	10,800	131,700*	230
235	32.5	397.5	90,700	159,200*	41.7	425.1	63,300	165,900*	49.2	442.5	35,700	146,700*	55.8	452.6	8,400	127,400*	235
240	30.2	389.0	86,400	154,200*	39.8	419.1	59,700	161,000*	47.6	438.0	32,800	142,200*	54.4	449.0	6,200	123,200*	240
245	27.6	379.6	82,200	149,600*	37.9	412.8	56,200	156,200*	45.9	433.1	30,000	137,800*	52.9	445.2	4,000	119,200*	245
250	24.9	369.1	78,000	145,400*	35.8	405.9	52,800	151,600*	44.2	428.0	27,300	133,500*	51.3	441.2	1,900	115,300*	250
260	18.1	342.6	70,000	138,400*	31.4	390.4	46,400	142,800*	40.6	416.8	22,100	125,400*	48.2	432.5		108,100*	260
270	5.6	291.5	61,200	135,600*	26.4	371.6	40,300	134,500*	36.8	403.9	17,300	117,900*	44.8	422.8		101,300*	270
280					20.1	347.4	34,400	126,500*	32.5	389.0	12,700	110,800*	41.3	411.8		94,900*	280
290					10.6	308.9	28,200	118,600*	27.6	371.1	8,300	104,100*	37.5	399.2		89,000*	290
300									21.7	348.5	4,000	97,700*	33.3	384.7		83,400*	300
310									13.4	315.2		91,400*	28.5	367.4		78,000*	310
320													22.8	345.8		72,800*	320
330													15.1	315.4		67,700*	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

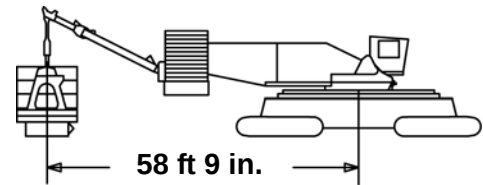
200,000 lb Carbody Counterweight

423,300 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

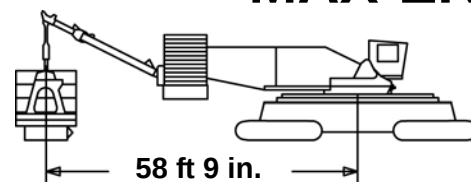
Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
125	69.5	513.7	268,500	316,100*													125
130	68.3	511.7	253,100	309,000*													130
135	67.1	509.5	238,900	301,600*													135
140	65.9	507.3	225,800	293,800*													140
145	64.7	504.9	213,700	285,900*													145
150	63.5	502.4	202,500	277,800*	68.9	509.5	155,200	293,100*									150
155	62.2	499.7	192,100	269,600*	67.7	507.5	146,500	281,600*									155
160	60.9	497.0	182,300	261,600*	66.5	505.3	138,300	270,700*									160
165	59.7	494.0	173,200	253,400*	65.3	503.0	130,600	260,500*									165
170	58.4	490.9	164,600	245,200*	64.1	500.5	123,400	250,900*									170
175	57.1	487.7	156,600	237,200*	62.9	498.0	116,700	241,800*									175
180	55.7	484.3	149,000	229,200*	61.6	495.3	110,400	233,300*									180
185	54.4	480.7	141,800	221,500*	60.3	492.4	104,400	225,100*									185
190	53.0	476.9	135,000	213,900*	59.1	489.4	98,700	217,400*	64.7	496.5	62,600	192,700*					190
195	51.6	472.9	128,600	206,600*	57.8	486.2	93,300	210,100*	63.4	494.0	58,300	186,000*					195
200	50.1	468.7	122,600	199,500*	56.4	482.9	88,200	203,100*	62.2	491.4	54,200	179,600*					200
205	48.7	464.4	116,800	192,600*	55.1	479.4	83,400	196,400*	60.9	488.6	50,300	173,500*					205
210	47.2	459.7	111,300	186,000*	53.7	475.7	78,800	190,100*	59.6	485.6	46,500	167,800*					210
215	45.6	454.8	106,000	179,600*	52.3	471.9	74,400	184,000*	58.3	482.5	43,000	162,200*					215
220	44.1	449.7	101,000	173,400*	50.9	467.8	70,200	178,200*	57.0	479.3	39,600	156,900*					220
225	42.4	444.2	96,200	167,500*	49.5	463.5	66,200	172,700*	55.7	475.9	36,300	151,900*					225
230	40.7	438.5	91,600	161,800*	48.0	459.0	62,400	167,300*	54.3	472.3	33,200	147,000*					230
235	39.0	432.3	87,200	156,400*	46.5	454.3	58,700	162,200*	53.0	468.5	30,300	142,400*	58.8	476.6	2,200	122,600*	235
240	37.2	425.7	83,000	151,300*	44.9	449.2	55,200	157,300*	51.6	464.5	27,400	137,900*	57.5	473.4		118,500*	240
245	35.3	418.7	78,900	146,500*	43.3	444.0	51,800	152,600*	50.1	460.3	24,700	133,600*	56.2	470.0		114,500*	245
250	33.3	411.2	74,900	141,900*	41.6	438.4	48,500	148,000*	48.7	455.9	22,000	129,400*	54.8	466.5		110,700*	250
260	28.9	394.1	67,400	133,700*	38.1	426.1	42,300	139,400*	45.6	446.4	17,000	121,500*	52.0	458.9		103,600*	260
270	23.8	373.3	60,300	126,600*	34.3	412.1	36,500	131,300*	42.4	435.8	12,400	114,000*	49.2	450.4		96,900*	270
280	17.3	345.6	53,300	121,100*	30.1	395.7	31,000	123,700*	39.0	423.9	8,000	107,100*	46.1	441.1		90,700*	280
290	5.4	292.3	45,600	119,100*	25.3	376.1	25,700	116,400*	35.2	410.3	3,800	100,600*	43.0	430.7		84,800*	290
300					19.3	350.7	20,500	109,400*	31.1	394.5		94,500*	39.6	419.0		79,300*	300
310					10.1	310.5	15,000	102,400*	26.4	375.8		88,600*	35.9	405.7		74,200*	310
320									20.8	352.1		83,000*	31.9	390.4		69,200*	320
330									12.8	317.4		77,400*	27.3	372.2		64,100*	330
340													21.9	349.6		58,700*	340
350													14.5	317.9		53,300*	350

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 58 ft 9 in. Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



260 ft Boom, 280 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
135	68.8	531.2	235,400	280,300*									135
140	67.7	529.2	222,400	274,300*									140
145	66.6	527.0	210,200	268,000*									145
150	65.5	524.7	199,000	261,500*									150
155	64.4	522.3	188,500	254,800*	69.4	529.1	142,200	278,000*					155
160	63.2	519.7	178,800	248,200*	68.3	527.1	134,000	267,200*					160
165	62.1	517.1	169,600	241,400*	67.2	525.0	126,400	257,000*					165
170	60.9	514.3	161,100	234,500*	66.1	522.7	119,200	247,400*					170
175	59.7	511.3	153,000	227,500*	65.0	520.4	112,500	238,400*					175
180	58.5	508.3	145,500	220,800*	63.8	517.9	106,200	229,800*					180
185	57.3	505.0	138,300	214,000*	62.7	515.3	100,200	221,700*					185
190	56.0	501.7	131,600	207,300*	61.5	512.6	94,600	214,000*					190
195	54.8	498.1	125,200	200,700*	60.3	509.7	89,200	206,700*					195
200	53.5	494.4	119,100	194,200*	59.1	506.7	84,200	199,800*	64.3	513.9	49,500	175,900*	200
205	52.2	490.5	113,400	187,900*	57.9	503.6	79,300	193,100*	63.2	511.4	45,600	169,900*	205
210	50.9	486.5	107,900	181,900*	56.7	500.3	74,800	186,800*	62.0	508.7	41,900	164,100*	210
215	49.6	482.2	102,700	176,000*	55.5	496.8	70,400	180,800*	60.9	505.9	38,400	158,600*	215
220	48.2	477.7	97,700	170,100*	54.2	493.2	66,300	175,000*	59.7	503.0	35,100	153,400*	220
225	46.8	473.0	92,900	164,600*	52.9	489.4	62,300	169,500*	58.5	499.9	31,900	148,300*	225
230	45.3	468.1	88,400	159,300*	51.6	485.5	58,500	164,200*	57.3	496.6	28,800	143,500*	230
235	43.9	462.9	84,000	154,100*	50.3	481.3	54,800	159,100*	56.0	493.3	25,900	138,900*	235
240	42.4	457.5	79,800	149,100*	48.9	477.0	51,400	154,200*	54.8	489.7	23,000	134,500*	240
245	40.8	451.7	75,800	144,400*	47.5	472.4	48,000	149,500*	53.5	486.0	20,300	130,200*	245
250	39.2	445.6	72,000	139,800*	46.1	467.6	44,800	145,000*	52.2	482.1	17,700	126,100*	250
260	35.8	432.2	64,600	131,400*	43.2	457.2	38,700	136,500*	49.5	473.8	12,800	118,200*	260
270	32.0	416.9	57,800	123,700*	40.0	445.6	33,000	128,600*	46.8	464.6	8,300	110,900*	270
280	27.8	399.0	51,300	117,000*	36.7	432.7	27,700	121,000*	43.8	454.5	4,000	104,000*	280
290	22.9	377.3	45,100	111,300*	33.0	418.0	22,700	113,900*	40.8	443.2		97,600*	290
300	16.7	348.5	39,000	106,900*	29.0	400.9	17,900	107,300*	37.5	430.6		91,600*	300
310	5.1	293.0	32,200	105,600*	24.3	380.4	13,300	100,900*	33.9	416.4		85,900*	310
320					18.5	353.9	8,700	94,800*	30.0	399.9		80,600*	320
330					9.7	312.1	3,800	88,600*	25.4	380.3		75,400*	330
340									20.0	355.5		70,400*	340
350									12.3	319.4		65,400*	350

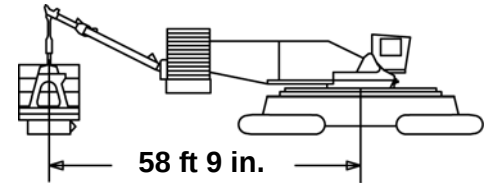
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
458,700 lb Crane Counterweight
200,000 lb Carbody Counterweight
423,300 lb Hanging Counterweight
at 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	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
145	68.3	548.7	205,900	248,800*									145
150	67.2	546.6	194,700	243,700*									150
155	66.2	544.4	184,200	238,400*									155
160	65.1	542.1	174,400	233,000*	69.8	548.6	128,600	256,900*					160
165	64.1	539.6	165,300	227,500*	68.8	546.6	121,000	252,500*					165
170	63.0	537.1	156,700	221,900*	67.8	544.6	113,900	243,000*					170
175	61.9	534.4	148,700	216,100*	66.7	542.4	107,200	234,000*					175
180	60.8	531.6	141,100	210,400*	65.7	540.1	100,900	225,500*					180
185	59.7	528.7	134,000	204,600*	64.6	537.7	94,900	217,400*					185
190	58.6	525.6	127,300	198,900*	63.6	535.2	89,300	209,700*					190
195	57.5	522.4	120,900	193,000*	62.5	532.6	84,000	202,500*					195
200	56.3	519.1	114,800	187,500*	61.4	529.9	79,000	195,500*					200
205	55.1	515.6	109,100	181,900*	60.3	527.0	74,200	189,000*					205
210	54.0	511.9	103,600	176,400*	59.2	524.0	69,700	182,700*	64.1	531.3	36,000	159,400*	210
215	52.8	508.1	98,400	171,000*	58.1	520.9	65,300	176,700*	63.0	528.7	32,500	154,000*	215
220	51.5	504.1	93,500	165,800*	56.9	517.7	61,200	170,900*	61.9	526.0	29,200	148,800*	220
225	50.3	500.0	88,700	160,600*	55.8	514.2	57,300	165,400*	60.8	523.2	26,100	143,800*	225
230	49.0	495.7	84,200	155,700*	54.6	510.7	53,500	160,200*	59.7	520.3	23,100	139,000*	230
235	47.8	491.1	79,900	150,900*	53.4	507.0	49,900	155,100*	58.6	517.2	20,200	134,400*	235
240	46.4	486.4	75,700	146,200*	52.2	503.1	46,400	150,300*	57.4	514.0	17,400	130,000*	240
245	45.1	481.4	71,700	141,700*	51.0	499.0	43,100	145,600*	56.3	510.7	14,700	125,800*	245
250	43.7	476.2	67,900	137,300*	49.7	494.8	39,900	141,100*	55.1	507.2	12,200	121,700*	250
260	40.8	464.9	60,700	129,100*	47.1	485.7	33,900	132,700*	52.7	499.7	7,400	114,000*	260
270	37.8	452.4	53,900	121,500*	44.4	475.8	28,300	124,800*	50.3	491.6	2,900	106,700*	270
280	34.5	438.4	47,600	112,300*	41.6	464.8	23,100	117,400*	47.7	482.7		99,900*	280
290	30.9	422.4	41,700	102,600*	38.6	452.7	18,200	110,400*	45.1	473.0		93,600*	290
300	26.8	403.8	36,100	93,600*	35.4	439.1	13,600	103,900*	42.3	462.2		87,700*	300
310	22.1	381.2	30,600	85,200*	31.9	423.7	9,300	97,700*	39.3	450.4		82,100*	310
320	16.1	351.2	25,300	77,800*	28.0	405.8	5,100	91,800*	36.1	437.1		76,800*	320
330	4.9	293.8	19,200	72,100*	23.5	384.5	1,000	86,200*	32.7	422.2		71,900*	330
340					17.9	357.0		80,800*	28.9	405.0		67,100*	340
350					9.4	313.7		74,500*	24.5	384.6		62,400*	350
360									19.3	358.9		57,200*	360
370									11.9	321.4		51,800*	370