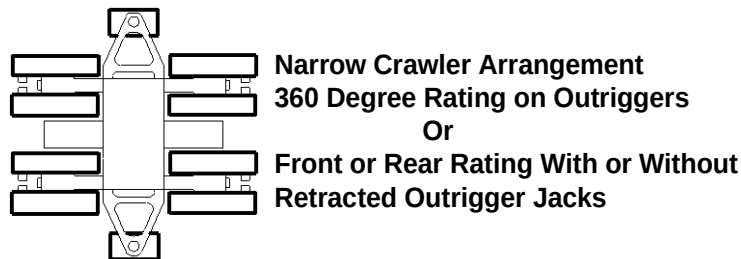


Liftcrane Luffing Jib Capacities

21000
MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m 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 16 780 kg minimum weight suspended beneath luffing jib point.

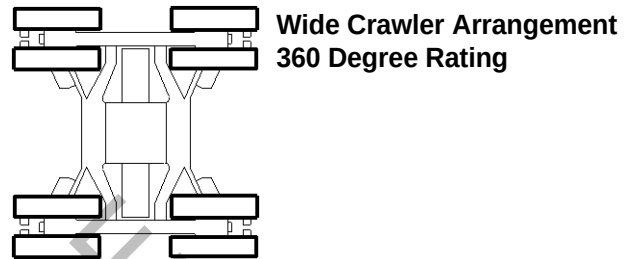
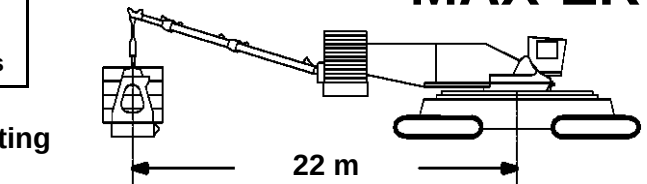
Caution: Do not luff into area indicated by (c) with 16 780 kg minimum weight. Luffing jib will not luff down and luffing hoist wire rope may overhaul luffing jib and cause wire rope damage or failure.

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 22 130 kg or 44 270 kg 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 13 mm in 3 m 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 (9,1 m) 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 (14,5 m) 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 (9,1 m) 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 (14,5 m) 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

208 060 kg Crane Counterweight

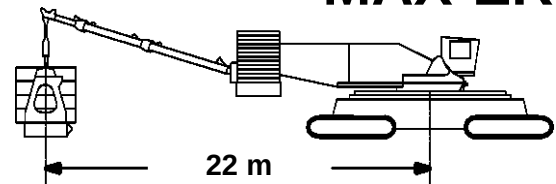
90 720 kg Carbody Counterweight

112 170 kg Hanging Counterweight

at 22 m 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 4 978 mm crawlers, 1 219 mm treads, 42,7 m mast, 8 534 mm retractable gantry, 20 part boom hoist reeving,

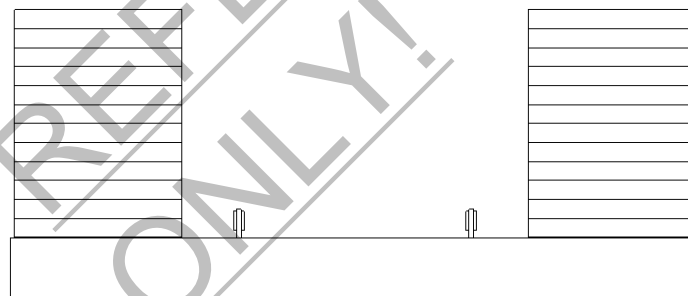
boom support straps, 22 part luffing jib hoist reeving, luffing jib and backstay support straps, 208 060 kg crane counterweight, two 24 270 kg and two 21 090 kg carbody counterweights and 112 170 kg hanging counterweight.

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

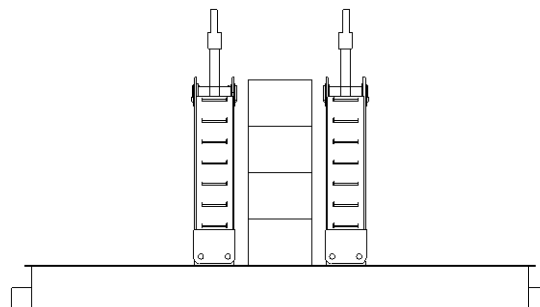
Warning: Narrow crawler arrangement requires set outrigger jacks to swing beyond front or rear operating range.

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.



208 060 kg Crane Counterweight
24 Side Boxes

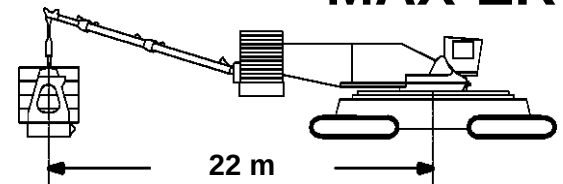


112 170 kg Hanging Counterweight
4 Center Boxes

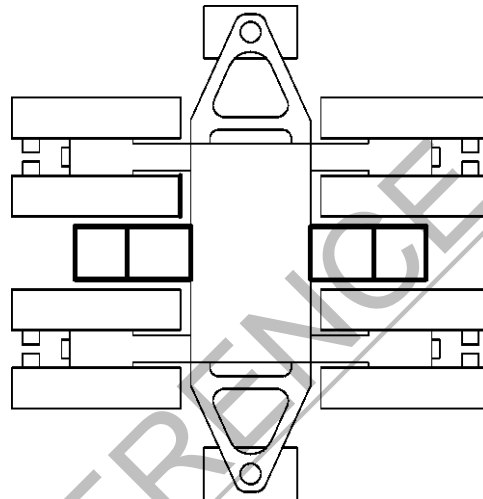
Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

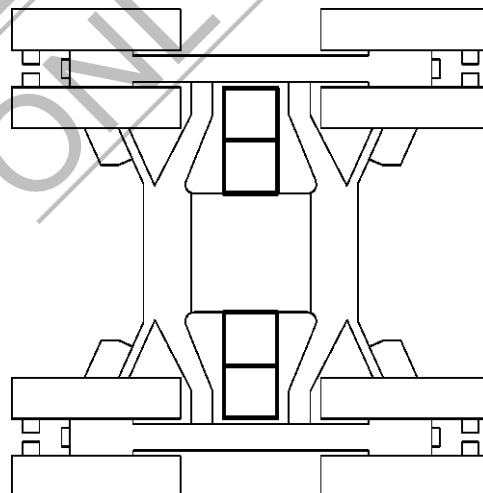
Meets
ANSI B30.5
Requirements



**21000
MAX-ER**



90 720 kg Carbody Counterweight
2 Inner Boxes - 2 Outer Boxes
Narrow Crawler Arrangement



90 720 kg Carbody Counterweight
2 Inner Boxes - 2 Outer Boxes
Wide Crawler Arrangement

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

208 060 kg Crane Counterweight

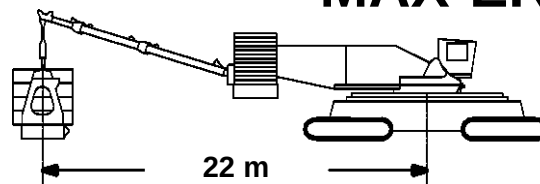
90 720 kg Carbody Counterweight

112 170 kg Hanging Counterweight

at 22 m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



WITH OR WITHOUT BOOM AND/OR JIB CATWALKS		
Maximum Boom and Luffing Jib Lengths Lifted Unassisted Using Jack-Knife Method With 112 170 kg Hanging Counterweight		
Boom Length Meters	Luffing Jib No. 81 Meters	Boom to Luffing Jib Angle Degrees
Over End Unblocked Crawlers		
54,9 - 61,0	36,6 - 91,4	90
67,1 - 73,2	36,6 - 91,4	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.

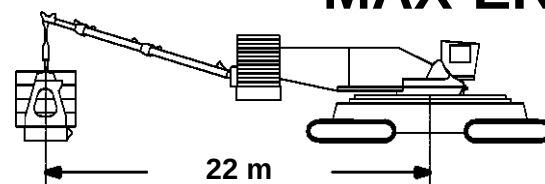
CAUTION: Do not under any condition allow boom to luffing jib angle to become less than 60 degrees.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



54,9 m Boom, 36,6 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
18,3				c													18,3
20,0				c													20,0
22,0				c													22,0
24,0	64,4	90,9	194 200	299 700*b													24,0
26,0	60,8	89,8	174 500	275 300*b				c									26,0
28,0	57,1	88,6	158 000	254 400*b	65,8	90,6	139 700	242 600*b									28,0
30,0	53,2	87,1	143 900	236 200*	62,2	89,6	126 900	225 100*b									30,0
32,0	49,1	85,4	131 700	220 200*	58,6	88,4	116 000	209 900*b									32,0
34,0	44,7	83,4	120 800	206 000*	54,7	87,0	106 400	196 300*b	63,5	88,9	91 800	186 600*b					34,0
36,0	39,9	81,1	111 200	193 200*	50,7	85,4	97 900	184 200*	59,9	87,7	84 200	175 000*b					36,0
38,0	34,5	78,3	102 600	181 800*	46,4	83,5	90 300	173 300*	56,1	86,4	77 600	164 700*b					38,0
40,0	28,1	74,8	94 700	171 200*	41,8	81,3	83 300	163 400*	52,2	84,9	71 500	155 100*					40,0
42,0	19,9	69,9	87 200	161 400*	36,7	78,7	77 100	154 200*	48,0	83,1	66 000	146 300*	57,3	85,3	54 800	138 400*b	42,0
44,0					30,8	75,6	71 200	145 600*	43,5	81,0	61 000	138 300*	53,4	83,8	50 400	130 800*	44,0
46,0					23,5	71,4	65 700	137 600*	38,6	78,6	56 300	130 900*	49,3	82,1	46 400	123 800*	46,0
48,0									33,0	75,7	52 000	124 100*	44,9	80,2	42 800	117 400*	48,0
50,0									26,3	71,9	47 800	117 600*	40,1	77,9	39 300	111 500*	50,0
52,0									17,3	66,5	43 500	111 400*	34,8	75,1	36 000	106 000*	52,0
54,0													28,5	71,6	32 800	100 700*	54,0
56,0													20,4	66,9	29 600	95 700*	56,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

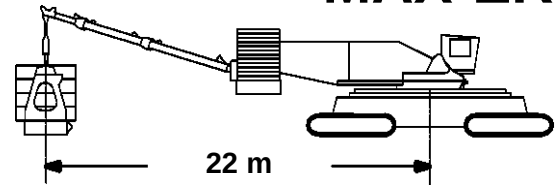
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



54,9 m Boom, 42,7 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
19,8				c													19,8
20,0				c													20,0
22,0				c													22,0
24,0	68,3	97,7	193 800	298 300*b													24,0
26,0	65,3	96,8	174 000	274 000*b													26,0
28,0	62,3	95,7	157 500	253 200*b													28,0
30,0	59,2	94,5	143 400	235 100*	66,5	96,4	125 700	223 600*b									30,0
32,0	56,0	93,2	131 200	219 200*	63,5	95,4	114 600	208 300*b									32,0
34,0	52,6	91,7	120 500	205 100*	60,4	94,3	105 100	194 900*b									34,0
36,0	49,1	90,0	111 000	192 500*	57,2	93,0	96 700	182 900*									36,0
38,0	45,3	88,0	102 600	181 200*	53,9	91,6	89 200	172 100*	61,5	93,6	75 700	163 000*b					38,0
40,0	41,3	85,8	95 000	170 900*	50,5	90,0	82 400	162 300*	58,4	92,4	69 800	153 600*					40,0
42,0	36,9	83,2	88 100	161 500*	46,8	88,1	76 300	153 300*	55,1	91,0	64 400	144 900*					42,0
44,0	32,0	80,1	81 700	152 700*	42,9	86,0	70 800	144 900*	51,7	89,5	59 500	137 000*					44,0
46,0	26,2	76,3	75 800	144 500*	38,7	83,6	65 600	137 200*	48,1	87,7	55 000	129 700*	56,1	89,9	44 400	122 100*	46,0
48,0	18,8	71,2	70 100	136 700*	34,0	80,7	60 900	130 100*	44,3	85,7	51 000	123 000*	52,8	88,4	40 900	115 800*	48,0
50,0					28,6	77,3	56 400	123 500*	40,2	83,4	47 100	116 800*	49,2	86,7	37 600	110 000*	50,0
52,0					22,0	72,8	52 100	117 300*	35,7	80,7	43 500	111 100*	45,5	84,8	34 500	104 700*	52,0
54,0									30,7	77,5	40 100	105 800*	41,5	82,6	31 600	99 700*	54,0
56,0									24,6	73,4	36 800	100 600*	37,1	80,0	28 900	95 000*	56,0
58,0									16,4	67,7	33 400	95 700*	32,2	77,0	26 300	90 500*	58,0
60,0													26,5	73,2	23 800	86 300*	60,0
62,0													19,2	68,2	21 200	82 200*	62,0
64,0													4,2	57,2	17 800	77 800*	64,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

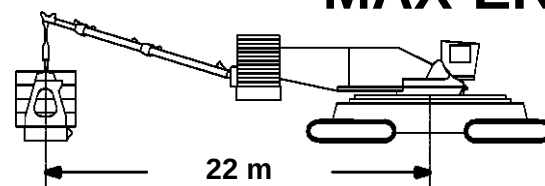
CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



54,9 m Boom, 48,8 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
21,3				c													21,3
22,0				c													22,0
24,0	71,1	104,2	193 300	297 200*b													24,0
26,0	68,6	103,4	173 400	272 900*b													26,0
28,0	66,0	102,6	156 900	252 200*b													28,0
30,0	63,4	101,6	142 800	234 200*													30,0
32,0	60,7	100,4	130 600	218 300*	67,1	102,2	113 500	207 000*b									32,0
34,0	58,0	99,2	119 900	204 300*	64,5	101,3	104 000	193 700*b									34,0
36,0	55,1	97,8	110 500	191 700*	61,8	100,2	95 600	181 700*									36,0
38,0	52,1	96,3	102 200	180 500*	59,1	99,0	88 200	171 000*									38,0
40,0	49,1	94,6	94 700	170 200*	56,2	97,7	81 500	161 400*	62,8	99,5	68 400	152 400*					40,0
42,0	45,8	92,7	87 900	161 000*	53,3	96,2	75 500	152 500*	60,0	98,3	63 000	143 700*					42,0
44,0	42,3	90,5	81 700	152 400*	50,3	94,6	70 000	144 200*	57,3	97,1	58 300	135 800*					44,0
46,0	38,6	88,1	76 100	144 400*	47,1	92,7	65 000	136 500*	54,4	95,7	53 900	128 700*					46,0
48,0	34,6	85,2	70 900	137 000*	43,7	90,7	60 400	129 600*	51,4	94,1	49 900	122 100*	58,1	95,9	39 400	114 600*	48,0
50,0	30,0	81,9	66 000	130 100*	40,1	88,4	56 200	123 100*	48,3	92,3	46 100	116 000*	55,3	94,6	36 100	108 800*	50,0
52,0	24,7	77,8	61 400	123 700*	36,2	85,7	52 200	117 200*	45,0	90,3	42 700	110 400*	52,3	93,0	33 200	103 500*	52,0
54,0	17,9	72,4	56 900	117 600*	31,9	82,6	48 500	111 600*	41,4	88,1	39 500	105 100*	49,2	91,3	30 400	98 600*	54,0
56,0					26,9	78,9	44 900	106 300*	37,7	85,6	36 500	100 200*	46,0	89,4	27 800	94 000*	56,0
58,0					20,8	74,1	41 500	101 300*	33,5	82,7	33 600	95 600*	42,5	87,3	25 400	89 700*	58,0
60,0									28,8	79,2	30 900	91 300*	38,8	84,9	23 100	85 700*	60,0
62,0									23,2	74,9	28 200	87 200*	34,8	82,1	20 900	81 900*	62,0
64,0									15,7	68,8	25 500	83 100*	30,3	78,8	18 800	78 300*	64,0
66,0													25,0	74,8	16 700	74 800*	66,0
68,0													18,3	69,4	14 500	71 400*	68,0
70,0													5,6	58,9	11 700	67 700*	70,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

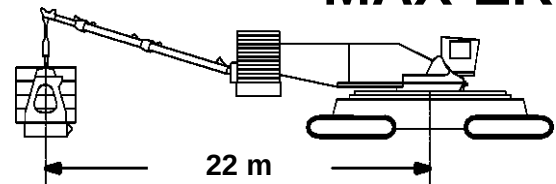
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



54,9 m Boom, 54,9 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
22,9	74,6	111,0	205 400	310 800* b													22,9
24,0	73,3	110,7	192 600	295 600* b													24,0
26,0	71,1	110,0	172 600	271 300* b													26,0
28,0	68,9	109,2	155 900	250 600* b													28,0
30,0	66,6	108,3	141 700	232 600*													30,0
32,0	64,3	107,4	129 500	216 800*	69,7	108,8	111 700	205 100* b									32,0
34,0	61,9	106,3	118 800	202 800*	67,5	108,0	102 200	191 800*									34,0
36,0	59,5	105,2	109 400	190 300*	65,2	107,1	93 800	179 900*									36,0
38,0	57,0	103,9	101 000	179 100*	62,9	106,1	86 400	169 300*									38,0
40,0	54,4	102,4	93 500	168 900*	60,5	104,9	79 800	159 600*									40,0
42,0	51,8	100,9	86 800	159 700*	58,0	103,7	73 800	150 800*	63,7	105,3	60 900	141 800*					42,0
44,0	49,0	99,2	80 700	151 300*	55,5	102,3	68 400	142 600*	61,3	104,2	56 100	134 000*					44,0
46,0	46,2	97,3	75 100	143 300*	52,9	100,8	63 400	135 100*	58,9	103,0	51 800	126 900*					46,0
48,0	43,1	95,2	70 000	136 000*	50,1	99,2	58 900	128 200*	56,4	101,7	47 800	120 300*					48,0
50,0	39,9	92,8	65 300	129 300*	47,3	97,3	54 700	121 800*	53,8	100,3	44 200	114 300*					50,0
52,0	36,5	90,2	60 900	123 000*	44,4	95,3	50 900	115 900*	51,1	98,7	40 800	108 700*	57,1	100,6	30 800	101 600*	52,0
54,0	32,7	87,2	56 800	117 200*	41,2	93,1	47 300	110 400*	48,3	96,9	37 700	103 600*	54,6	99,2	28 200	96 800*	54,0
56,0	28,4	83,6	52 900	111 700*	37,9	90,6	43 900	105 300*	45,4	95,0	34 800	98 800*	51,9	97,6	25 600	92 200*	56,0
58,0	23,5	79,3	49 200	106 600*	34,2	87,7	40 800	100 500*	42,4	92,8	32 000	94 300*	49,2	95,9	23 300	88 000*	58,0
60,0	17,1	73,6	45 600	101 700*	30,2	84,4	37 800	96 000*	39,1	90,4	29 400	90 100*	46,3	94,1	21 100	84 000*	60,0
62,0					25,5	80,4	34 900	91 700*	35,6	87,7	27 000	86 100*	43,3	92,0	19 000	80 300*	62,0
64,0					19,9	75,4	32 000	87 600*	31,7	84,5	24 700	82 300*	40,1	89,6	17 000	76 800*	64,0
66,0									27,3	80,8	22 400	78 800*	36,6	87,0	15 100	73 500*	66,0
68,0									22,1	76,3	20 200	75 300*	32,9	84,0	13 300	70 400*	68,0
70,0									15,1	69,9	17 900	71 900*	28,7	80,5	11 600	67 300*	70,0
72,0													23,7	76,2	9 800	64 400*	72,0
74,0													17,5	70,6	8 000	61 600*	74,0
76,0													6,4	60,2	5 600	58 400*	76,0

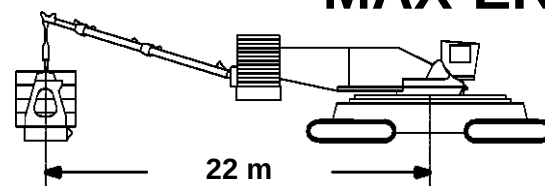
NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



21000
MAX-ER

54,9 m Boom, 61,0 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
24,4	74,7	116,9	187 400	289 100*(b)													24,4
26,0	73,1	116,4	171 600	270 000*(b)													26,0
28,0	71,1	115,7	154 900	249 300*(b)													28,0
30,0	69,1	115,0	140 700	231 400*													30,0
32,0	67,0	114,1	128 400	215 600*													32,0
34,0	65,0	113,2	117 700	201 600*													34,0
36,0	62,8	112,2	108 200	189 100*	67,8	113,8	92 400	178 600*									36,0
38,0	60,7	111,1	99 900	177 900*	65,8	112,9	84 900	167 900*									38,0
40,0	58,5	109,8	92 400	167 800*	63,7	111,9	78 300	158 300*									40,0
42,0	56,2	108,5	85 700	158 600*	61,5	110,8	72 300	149 600*									42,0
44,0	53,9	107,1	79 600	150 300*	59,4	109,6	67 000	141 400*									44,0
46,0	51,5	105,5	74 100	142 400*	57,1	108,3	62 000	133 900*	62,3	110,1	50 000	125 500*					46,0
48,0	49,0	103,8	69 000	135 100*	54,8	106,9	57 500	127 000*	60,1	109,0	46 100	118 900*					48,0
50,0	46,5	101,9	64 400	128 400*	52,5	105,4	53 400	120 700*	57,9	107,7	42 500	113 000*					50,0
52,0	43,8	99,8	60 100	122 200*	50,0	103,8	49 600	114 800*	55,7	106,3	39 200	107 500*					52,0
54,0	40,9	97,6	56 100	116 500*	47,5	101,9	46 100	109 400*	53,3	104,9	36 200	102 300*	58,6	106,6	26 300	95 400*	54,0
56,0	37,9	95,0	52 300	111 100*	44,8	100,0	42 800	104 400*	50,9	103,3	33 300	97 600*	56,3	105,3	23 800	90 800*	56,0
58,0	34,6	92,2	48 900	106 100*	42,1	97,8	39 700	99 600*	48,4	101,5	30 600	93 100*	54,0	103,8	21 600	86 600*	58,0
60,0	31,1	89,0	45 600	101 400*	39,1	95,4	36 900	95 200*	45,8	99,6	28 100	88 900*	51,6	102,2	19 400	82 700*	60,0
62,0	27,1	85,3	42 400	97 000*	36,0	92,7	34 200	91 100*	43,1	97,5	25 800	85 000*	49,2	100,5	17 400	79 000*	62,0
64,0	22,4	80,7	39 400	92 800*	32,5	89,6	31 600	87 100*	40,2	95,2	23 500	81 400*	46,6	98,7	15 500	75 600*	64,0
66,0	16,5	74,8	36 400	88 700*	28,7	86,1	29 100	83 400*	37,1	92,6	21 400	77 900*	43,9	96,6	13 700	72 300*	66,0
68,0					24,4	81,9	26 700	79 900*	33,8	89,7	19 400	74 600*	41,1	94,4	12 000	69 300*	68,0
70,0					19,1	76,7	24 300	76 500*	30,1	86,3	17 500	71 500*	38,0	91,8	10 300	66 400*	70,0
72,0									26,0	82,4	15 600	68 500*	34,8	89,0	8 800	63 600*	72,0
74,0									21,1	77,6	13 700	65 600*	31,3	85,8	7 300	60 900*	74,0
76,0									14,7	71,1	11 700	62 700*	27,3	82,1	5 700	58 400*	76,0
80,0													16,9	71,8	2 600	53 400*	80,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

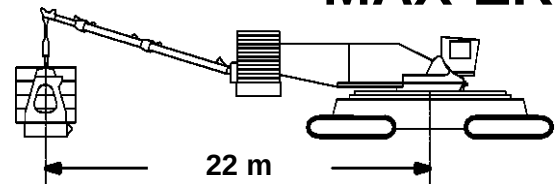
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



54,9 m Boom, 67,1 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
25,9	74,7	122,8	171 000	253 300 b													25,9
26,0	74,7	122,8	170 200	253 300 b													26,0
28,0	72,9	122,2	153 300	249 500 b													28,0
30,0	71,1	121,5	139 100	229 700*													30,0
32,0	69,2	120,7	126 800	213 900*													32,0
34,0	67,4	119,9	116 100	200 000*													34,0
36,0	65,5	119,0	106 600	187 500*													36,0
38,0	63,6	118,0	98 200	176 300*	68,1	119,6	82 800	166 000*									38,0
40,0	61,7	116,9	90 800	166 200*	66,2	118,7	76 200	156 400*									40,0
42,0	59,7	115,8	84 100	157 100*	64,4	117,7	70 300	147 800*									42,0
44,0	57,7	114,5	78 000	148 700*	62,4	116,7	64 900	139 700*									44,0
46,0	55,6	113,1	72 500	141 000*	60,5	115,5	60 000	132 200*									46,0
48,0	53,5	111,7	67 400	133 700*	58,5	114,3	55 600	125 300*	63,1	115,9	43 800	117 000*					48,0
50,0	51,3	110,1	62 800	127 100*	56,4	113,0	51 500	119 000*	61,2	114,8	40 200	111 100*					50,0
52,0	49,0	108,4	58 500	120 900*	54,3	111,6	47 700	113 200*	59,2	113,7	36 900	105 600*					52,0
54,0	46,7	106,5	54 600	115 200*	52,2	110,0	44 200	107 800*	57,1	112,4	33 900	100 500*					54,0
56,0	44,3	104,5	50 900	109 900*	49,9	108,4	41 000	102 800*	55,1	111,0	31 100	95 800*					56,0
58,0	41,7	102,3	47 500	104 900*	47,6	106,6	37 900	98 100*	52,9	109,5	28 400	91 300*	57,8	111,2	19 000	84 700*	58,0
60,0	39,0	99,8	44 300	100 300*	45,2	104,6	35 100	93 800*	50,7	107,9	26 000	87 200*	55,7	109,9	17 000	80 800*	60,0
62,0	36,2	97,2	41 300	96 000*	42,7	102,5	32 500	89 700*	48,5	106,1	23 700	83 400*	53,6	108,4	15 000	77 200*	62,0
64,0	33,1	94,2	38 400	91 900*	40,1	100,1	29 900	85 800*	46,1	104,2	21 500	79 800*	51,4	106,8	13 200	73 800*	64,0
66,0	29,7	90,8	35 700	88 000*	37,3	97,6	27 600	82 200*	43,6	102,1	19 400	76 300*	49,1	105,1	11 400	70 500*	66,0
68,0	26,0	86,8	33 100	84 300*	34,3	94,7	25 300	78 700*	41,1	99,9	17 500	73 100*	46,8	103,3	9 800	67 500*	68,0
70,0	21,6	82,1	30 500	80 700*	31,1	91,5	23 200	75 500*	38,3	97,4	15 700	70 000*	44,4	101,3	8 200	64 600*	70,0
72,0	16,0	75,9	28 000	77 300*	27,5	87,8	21 100	72 400*	35,4	94,6	13 900	67 100*	41,8	99,1	6 700	61 900*	72,0
74,0					23,4	83,4	19 100	69 400*	32,3	91,6	12 200	64 400*	39,2	96,6	5 200	59 300*	74,0
76,0					18,4	77,9	17 100	66 500*	28,8	88,1	10 500	61 700*	36,3	94,0	3 800	56 800*	76,0
80,0									20,3	78,9	7 300	56 700*	29,9	87,6		52 200*	80,0
84,0													21,8	79,1		47 900*	84,0
88,0													7,4	62,7		43 400*	88,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

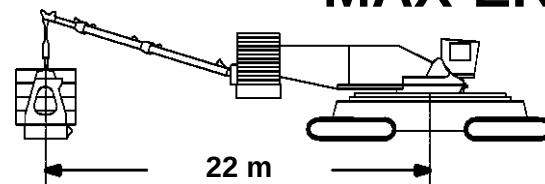
CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

21000
MAX-ER



54,9 m Boom, 73,2 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
27,4	74,8	128,7	157 100	220 400*													27,4
28,0	74,3	128,6	152 700	220 400*													28,0
30,0	72,7	127,9	138 100	220 400*													30,0
32,0	71,0	127,2	125 700	212 400*													32,0
34,0	69,4	126,5	114 900	198 500*													34,0
36,0	67,7	125,7	105 400	186 000*													36,0
38,0	66,0	124,8	96 900	174 800*													38,0
40,0	64,2	123,8	89 400	164 800*	68,3	125,3	74 500	154 800*									40,0
42,0	62,5	122,8	82 600	155 600*	66,6	124,4	68 500	146 100*									42,0
44,0	60,7	121,7	76 500	147 300*	64,9	123,5	63 100	138 100*									44,0
46,0	58,8	120,5	71 000	139 600*	63,2	122,5	58 300	130 600*									46,0
48,0	57,0	119,2	66 000	132 300*	61,4	121,4	53 800	123 800*									48,0
50,0	55,1	117,8	61 300	125 700*	59,6	120,2	49 700	117 500*	63,8	121,8	38 200	109 400*					50,0
52,0	53,1	116,3	57 000	119 600*	57,7	119,0	45 900	111 700*	62,0	120,7	34 900	103 900*					52,0
54,0	51,1	114,7	53 100	113 900*	55,8	117,7	42 500	106 400*	60,2	119,6	31 900	98 900*					54,0
56,0	49,0	113,0	49 400	108 600*	53,9	116,2	39 200	101 300*	58,4	118,3	29 100	94 200*					56,0
58,0	46,9	111,1	46 000	103 700*	51,9	114,6	36 200	96 700*	56,5	117,0	26 500	89 800*					58,0
60,0	44,7	109,1	42 800	99 100*	49,9	113,0	33 400	92 300*	54,6	115,6	24 100	85 700*	58,9	117,2	14 800	79 100*	60,0
62,0	42,4	106,9	39 900	94 800*	47,7	111,2	30 800	88 300*	52,6	114,1	21 800	81 900*	57,1	115,9	12 900	75 500*	62,0
64,0	40,0	104,6	37 100	90 700*	45,6	109,2	28 300	84 500*	50,6	112,5	19 600	78 300*	55,2	114,5	11 000	72 100*	64,0
66,0	37,4	102,0	34 400	86 800*	43,3	107,1	26 000	80 900*	48,5	110,7	17 600	74 800*	53,2	113,1	9 300	68 900*	66,0
68,0	34,7	99,2	31 900	83 200*	40,9	104,8	23 800	77 400*	46,4	108,8	15 700	71 600*	51,2	111,4	7 700	65 900*	68,0
70,0	31,8	96,0	29 500	79 800*	38,4	102,4	21 700	74 200*	44,1	106,8	13 900	68 600*	49,1	109,7	6 200	63 000*	70,0
72,0	28,6	92,5	27 200	76 600*	35,8	99,7	19 700	71 200*	41,8	104,6	12 200	65 700*	47,0	107,9	4 700	60 400*	72,0
74,0	25,0	88,4	25 000	73 400*	32,9	96,6	17 800	68 300*	39,3	102,2	10 600	63 000*	44,8	105,9	3 300	57 800*	74,0
76,0	20,8	83,5	22 900	70 500*	29,9	93,2	16 000	65 500*	36,7	99,5	9 000	60 400*	42,5	103,7	2 000	55 400*	76,0
80,0					22,6	84,8	12 500	60 300*	31,0	93,4	6 000	55 600*	37,5	98,8		50 900*	80,0
84,0									24,0	85,4	3 200	51 100*	31,9	92,9		46 700*	84,0
88,0									14,0	73,3	300	46 800*	25,2	85,3		42 900*	88,0
92,0													15,9	74,1		39 100*	92,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

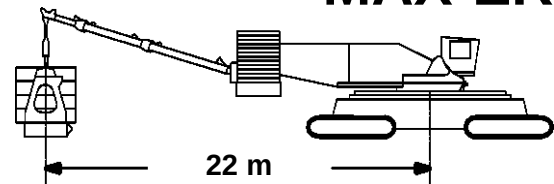
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



54,9 m Boom, 79,2 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
29,0	74,8	134,6	143 800	192 000*													29,0
30,0	74,1	134,3	136 600	192 000*													30,0
32,0	72,6	133,7	124 000	192 000*													32,0
34,0	71,0	133,0	113 200	191 400*													34,0
36,0	69,5	132,3	103 600	185 300*													36,0
38,0	67,9	131,4	95 200	173 200*													38,0
40,0	66,3	130,6	87 600	163 100*													40,0
42,0	64,7	129,6	80 900	154 000*	68,5	131,1	66 400	144 300*									42,0
44,0	63,1	128,6	74 800	145 700*	67,0	130,2	61 000	136 300*									44,0
46,0	61,5	127,5	69 200	138 100*	65,4	129,3	56 100	128 900*									46,0
48,0	59,8	126,4	64 200	130 800*	63,8	128,3	51 700	122 100*									48,0
50,0	58,1	125,1	59 600	124 200*	62,1	127,3	47 600	115 800*									50,0
52,0	56,4	123,8	55 300	118 100*	60,5	126,2	43 800	110 000*	64,3	127,6	32 500	102 000*					52,0
54,0	54,6	122,4	51 400	112 400*	58,8	124,9	40 400	104 600*	62,7	126,6	29 500	97 000*					54,0
56,0	52,8	120,9	47 700	107 100*	57,1	123,7	37 200	99 700*	61,1	125,5	26 700	92 300*					56,0
58,0	50,9	119,3	44 300	102 200*	55,3	122,3	34 200	95 100*	59,4	124,3	24 200	87 900*					58,0
60,0	49,0	117,6	41 200	97 700*	53,5	120,8	31 400	90 700*	57,7	123,0	21 700	83 800*					60,0
62,0	47,1	115,7	38 200	93 400*	51,7	119,2	28 800	86 700*	55,9	121,7	19 500	80 000*					62,0
64,0	45,0	113,7	35 400	89 300*	49,8	117,6	26 400	82 900*	54,2	120,2	17 400	76 400*	58,2	121,9	8 500	70 100*	64,0
66,0	42,9	111,6	32 800	85 500*	47,8	115,8	24 100	79 300*	52,3	118,7	15 400	73 100*	56,5	120,6	6 800	67 000*	66,0
68,0	40,7	109,3	30 300	81 900*	45,8	113,8	21 900	75 900*	50,5	117,1	13 500	69 900*	54,7	119,2	5 200	64 000*	68,0
70,0	38,4	106,8	28 000	78 600*	43,8	111,8	19 900	72 700*	48,5	115,3	11 700	66 900*	52,9	117,7	3 700	61 200*	70,0
72,0	36,0	104,1	25 800	75 300*	41,6	109,6	17 900	69 700*	46,6	113,4	10 100	64 100*	51,0	116,1	2 300	58 500*	72,0
74,0	33,4	101,2	23 700	72 300*	39,3	107,2	16 100	66 800*	44,5	111,4	8 400	61 400*	49,1	114,3	1 000	56 000*	74,0
76,0	30,6	97,9	21 700	69 400*	37,0	104,5	14 300	64 100*	42,4	109,3	6 900	58 800*	47,2	112,5		53 600*	76,0
80,0	24,1	89,9	17 800	64 000*	31,7	98,5	11 000	59 000*	37,8	104,4	4 100	54 100*	43,0	108,4		49 100*	80,0
84,0	15,2	78,2	14 000	58 800*	25,5	91,0	7 900	54 400*	32,7	98,6	1 500	49 700*	38,5	103,6		45 100*	84,0
88,0					17,4	80,4	4 800	50 000*	26,7	91,3		45 700*	33,5	98,0		41 400*	88,0
92,0									19,1	81,5		41 900*	27,7	91,0		37 900*	92,0
96,0													20,4	81,8		34 600*	96,0
100,0													7,9	65,0		31 100*	100,0

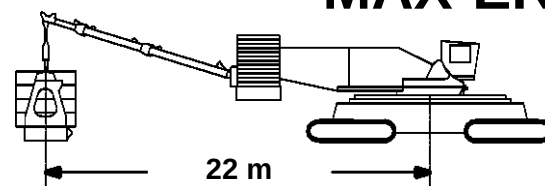
NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



21000
MAX-ER

54,9 m Boom, 85,3 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
30,5	74,9	140,5	132 000	167 700*													30,5
32,0	73,8	140,1	122 600	167 700*													32,0
34,0	72,4	139,4	111 700	167 700*													34,0
36,0	71,0	138,8	102 100	167 700*													36,0
38,0	69,6	138,0	93 700	167 700*													38,0
40,0	68,1	137,2	86 100	162 100*													40,0
42,0	66,7	136,4	79 300	152 600*													42,0
44,0	65,2	135,4	73 200	144 300*	68,7	136,9	59 200	134 800*									44,0
46,0	63,7	134,4	67 700	136 700*	67,3	136,0	54 300	127 400*									46,0
48,0	62,2	133,4	62 600	129 500*	65,8	135,1	49 900	120 600*									48,0
50,0	60,6	132,3	58 000	122 900*	64,3	134,2	45 800	114 300*									50,0
52,0	59,1	131,1	53 800	116 800*	62,8	133,1	42 100	108 600*									52,0
54,0	57,5	129,8	49 800	111 100*	61,3	132,0	38 600	103 200*									54,0
56,0	55,9	128,5	46 200	105 900*	59,7	130,9	35 400	98 300*	63,3	132,4	24 800	90 800*					56,0
58,0	54,2	127,0	42 800	101 000*	58,1	129,6	32 500	93 600*	61,8	131,3	22 200	86 400*					58,0
60,0	52,5	125,5	39 700	96 400*	56,5	128,3	29 700	89 300*	60,3	130,2	19 800	82 300*					60,0
62,0	50,8	123,9	36 700	92 100*	54,9	126,9	27 100	85 300*	58,7	129,0	17 600	78 500*					62,0
64,0	49,0	122,2	34 000	88 100*	53,2	125,4	24 700	81 500*	57,1	127,7	15 500	75 000*					64,0
66,0	47,2	120,3	31 400	84 400*	51,5	123,8	22 400	78 000*	55,5	126,3	13 500	71 600*	59,2	127,8	4 800	65 400*	66,0
68,0	45,3	118,4	28 900	80 800*	49,7	122,2	20 300	74 600*	53,8	124,9	11 700	68 500*	57,6	126,6	3 200	62 400*	68,0
70,0	43,4	116,3	26 600	77 400*	47,9	120,4	18 200	71 500*	52,1	123,3	9 900	65 500*	55,9	125,2	1 800	59 600*	70,0
72,0	41,4	114,0	24 400	74 300*	46,1	118,5	16 300	68 400*	50,4	121,7	8 300	62 700*	54,3	123,8		57 000*	72,0
74,0	39,3	111,6	22 300	71 200*	44,2	116,4	14 500	65 600*	48,6	119,9	6 700	60 000*	52,6	122,3		54 500*	74,0
76,0	37,0	109,0	20 400	68 400*	42,2	114,2	12 800	62 900*	46,7	118,1	5 200	57 500*	50,9	120,7		52 100*	76,0
80,0	32,2	103,1	16 700	63 000*	37,9	109,4	9 600	57 900*	42,9	113,9	2 400	52 800*	47,3	117,1		47 700*	80,0
84,0	26,7	95,8	13 300	58 100*	33,2	103,6	6 600	53 300*	38,7	109,2		48 500*	43,5	113,1		43 700*	84,0
88,0	19,6	86,1	10 000	53 600*	27,8	96,7	3 800	49 100*	34,1	103,6		44 500*	39,4	108,4		40 000*	88,0
92,0					21,2	87,6		45 200*	28,9	96,9		40 900*	34,8	103,0		36 600*	92,0
96,0									22,5	88,3		37 500*	29,7	96,5		33 500*	96,0
100,0									13,5	75,5		34 200*	23,6	88,3		30 500*	100,0
104,0													15,2	76,4		27 500*	104,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

CAUTION: Do not luff into area indicated by (c) with 16 780 kg 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

208 060 kg Crane Counterweight

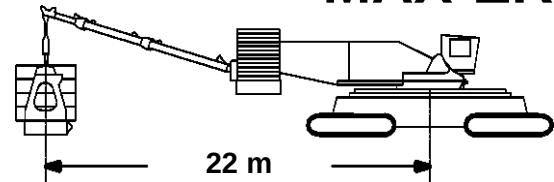
90 720 kg Carbody Counterweight

112 170 kg Hanging Counterweight

at 22 m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



54,9 m Boom, 91,4 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms		
32,0	74,9	146,4	121 600	149 600*													32,0
34,0	73,6	145,9	110 600	149 600*													34,0
36,0	72,3	145,2	100 900	149 600*													36,0
38,0	71,0	144,5	92 400	149 600*													38,0
40,0	69,7	143,8	84 700	148 700*													40,0
42,0	68,3	143,0	77 900	144 900*													42,0
44,0	67,0	142,1	71 700	140 900*													44,0
46,0	65,6	141,2	66 100	134 900*	68,9	142,6	52 400	125 600*									46,0
48,0	64,2	140,3	61 000	128 000*	67,5	141,8	47 900	118 800*									48,0
50,0	62,8	139,2	56 400	121 300*	66,1	140,9	43 800	112 500*									50,0
52,0	61,4	138,1	52 100	115 200*	64,7	140,0	40 100	106 800*									52,0
54,0	59,9	137,0	48 100	109 600*	63,3	139,0	36 600	101 500*									54,0
56,0	58,4	135,8	44 500	104 300*	61,9	137,9	33 400	96 500*									56,0
58,0	56,9	134,5	41 100	99 400*	60,5	136,8	30 400	91 900*	63,8	138,2	19 800	84 500*					58,0
60,0	55,4	133,1	38 000	94 900*	59,0	135,6	27 700	87 600*	62,4	137,2	17 500	80 400*					60,0
62,0	53,9	131,6	35 000	90 600*	57,5	134,3	25 100	83 600*	61,0	136,1	15 300	76 700*					62,0
64,0	52,3	130,1	32 200	86 600*	56,0	133,0	22 600	79 800*	59,5	134,9	13 200	73 100*					64,0
66,0	50,7	128,5	29 600	82 700*	54,5	131,5	20 400	76 300*	58,1	133,7	11 200	69 800*					66,0
68,0	49,0	126,8	27 200	78 400*	52,9	130,0	18 200	73 000*	56,6	132,3	9 400	66 700*					68,0
70,0	47,3	124,9	24 900	74 200*	51,3	128,4	16 200	69 800*	55,0	130,9	7 700	63 700*	58,5	132,5	57 700*		70,0
72,0	45,6	123,0	22 700	70 300*	49,7	126,8	14 300	66 800*	53,5	129,5	6 000	60 900*	57,0	131,2	55 100*		72,0
74,0	43,8	120,9	20 700	66 500*	48,0	125,0	12 500	64 000*	51,9	127,9	4 500	58 300*	55,5	129,9	52 600*		74,0
76,0	41,9	118,7	18 700	62 900*	46,3	123,1	10 800	61 300*	50,3	126,3	3 000	55 700*	54,0	128,4	50 200*		76,0
80,0	38,0	113,8	15 100	56 000*	42,7	118,9	7 600	56 300*	46,9	122,7			50,8	125,2	45 800*		80,0
84,0	33,6	108,1	11 700	49 800*	38,8	114,2	4 700	51 800*	43,3	118,6			47,4	121,7	41 900*		84,0
88,0	28,7	101,3	8 600	44 100*	34,5	108,7	2 100	47 700*	39,5	113,9			43,9	117,7	38 300*		88,0
92,0	22,7	92,8	5 700	39 000*	29,7	102,1		43 900*	35,3	108,6			40,1	113,2	34 900*		92,0
96,0	14,6	80,5	2 800	34 500*	24,0	94,0		40 100*	30,6	102,3			35,9	107,9	31 800*		96,0
100,0					16,6	82,8		35 800*	25,1	94,5			31,3	101,8	28 900*		100,0
104,0									18,1	84,0			26,0	94,2	25 700*		104,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

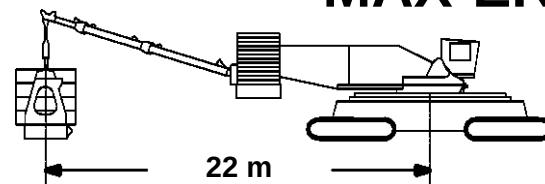
CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

21000
MAX-ER



61,0 m Boom, 36,6 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
18,3				c													18,3
20,0				c													20,0
22,0				c													22,0
24,0	65,3	97,3	193 800	297 700*b													24,0
26,0	61,8	96,2	174 000	273 500*b													26,0
28,0	58,1	95,0	157 500	252 800*b													28,0
30,0	54,2	93,6	143 400	234 700*b	64,1	96,2	123 900	221 900*b									30,0
32,0	50,2	91,9	131 200	218 800*	60,5	95,1	113 100	206 800*b									32,0
34,0	45,9	90,0	120 400	204 700*	56,8	93,8	103 600	193 500*b									34,0
36,0	41,2	87,8	110 800	192 000*	52,9	92,3	95 300	181 600*	62,7	94,5	79 500	171 000*b					36,0
38,0	36,0	85,1	102 200	180 600*	48,7	90,5	87 800	170 800*	59,1	93,3	73 100	160 800*b					38,0
40,0	30,0	81,8	94 400	170 200*	44,3	88,5	81 100	161 100*	55,3	92,0	67 300	151 500*b					40,0
42,0	22,4	77,5	87 000	160 500*	39,5	86,2	75 000	152 100*	51,3	90,4	62 000	142 900*					42,0
44,0	10,0	69,8	79 500	151 000*	34,0	83,3	69 300	143 700*	47,1	88,6	57 200	135 100*	57,4	91,1	44 900	126 300*b	44,0
46,0					27,6	79,8	64 000	135 800*	42,5	86,4	52 800	127 900*	53,6	89,6	41 200	119 600*b	46,0
48,0					19,2	74,8	58 800	128 500*	37,5	83,9	48 700	121 200*	49,5	87,9	37 800	113 400*	48,0
50,0									31,7	80,8	44 800	115 000*	45,1	86,0	34 600	107 700*	50,0
52,0									24,7	76,8	41 100	109 100*	40,3	83,7	31 600	102 400*	52,0
54,0									14,6	70,7	37 000	103 300*	35,0	80,9	28 800	97 400*	54,0
56,0													28,8	77,5	26 000	92 600*	56,0
58,0													20,8	72,9	23 100	88 100*	58,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

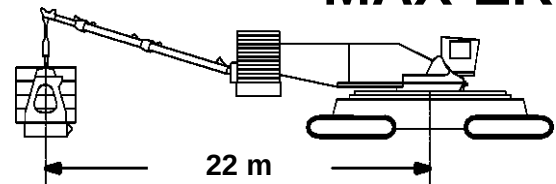
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



61,0 m Boom, 42,7 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
19,8				c													19,8
20,0				c													20,0
22,0				c													22,0
24,0	69,1	104,0	193 000	296 300*b													24,0
26,0	66,1	103,1	173 200	272 100*b													26,0
28,0	63,1	102,1	156 700	251 500*b													28,0
30,0	60,0	100,9	142 600	233 500*b	68,1	102,9	122 100	220 200*b									30,0
32,0	56,8	99,6	130 500	217 700*	65,1	102,0	111 400	205 100*b									32,0
34,0	53,5	98,2	119 800	203 700*	62,1	100,9	102 000	191 900*b									34,0
36,0	50,0	96,5	110 400	191 200*	58,9	99,7	93 800	180 100*									36,0
38,0	46,3	94,6	102 000	179 900*	55,7	98,4	86 500	169 500*									38,0
40,0	42,4	92,5	94 400	169 700*	52,3	96,9	79 900	159 800*	60,9	99,3	65 200	149 800*b					40,0
42,0	38,1	90,0	87 500	160 400*	48,8	95,1	74 000	151 000*	57,7	98,0	60 100	141 300*					42,0
44,0	33,4	87,1	81 200	151 800*	45,0	93,2	68 500	142 800*	54,4	96,6	55 500	133 600*					44,0
46,0	27,9	83,5	75 400	143 700*	41,0	90,9	63 500	135 200*	51,0	95,0	51 200	126 500*	59,5	97,1	38 900	117 800*b	46,0
48,0	21,0	78,8	69 800	136 000*	36,6	88,3	58 900	128 200*	47,4	93,2	47 300	120 000*	56,3	95,7	35 600	111 600*	48,0
50,0	10,0	70,9	64 000	128 500*	31,6	85,2	54 600	121 700*	43,5	91,1	43 700	114 000*	52,9	94,2	32 600	106 100*	50,0
52,0					25,7	81,3	50 500	115 700*	39,3	88,7	40 300	108 400*	49,4	92,5	29 800	100 900*	52,0
54,0					18,1	76,0	46 300	109 800*	34,7	85,9	37 100	103 100*	45,7	90,6	27 100	96 000*	54,0
56,0									29,5	82,6	34 000	98 200*	41,7	88,4	24 600	91 500*	56,0
58,0									23,1	78,3	31 000	93 500*	37,3	85,9	22 300	87 200*	58,0
60,0									14,0	71,8	27 700	88 900*	32,5	82,9	19 900	83 200*	60,0
62,0													26,8	79,1	17 700	79 400*	62,0
64,0													19,6	74,2	15 400	75 700*	64,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

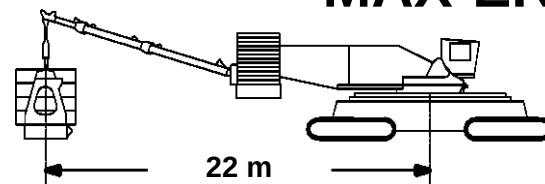
CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

21000
MAX-ER



61,0 m Boom, 48,8 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
22,9	73,2	110,9	205 700	310 300* b													22,9
24,0	71,8	110,5	192 900	295 200* b													24,0
26,0	69,3	109,7	173 000	271 000* b													26,0
28,0	66,7	108,9	156 400	250 400* b													28,0
30,0	64,1	107,9	142 300	232 600*													30,0
32,0	61,5	106,8	130 100	216 800*	68,4	108,7	110 300	203 700* b									32,0
34,0	58,7	105,6	119 400	202 800*	65,8	107,8	101 000	190 600* b									34,0
36,0	55,9	104,3	110 000	190 400*	63,2	106,8	92 800	178 900*									36,0
38,0	52,9	102,8	101 700	179 200*	60,5	105,7	85 500	168 300*									38,0
40,0	49,9	101,1	94 200	169 000*	57,8	104,4	79 000	158 800*									40,0
42,0	46,7	99,2	87 400	159 800*	54,9	103,0	73 100	150 100*	62,2	105,1	58 700	140 100*					42,0
44,0	43,3	97,2	81 300	151 400*	51,9	101,5	67 700	141 900*	59,5	104,0	54 100	132 300*					44,0
46,0	39,6	94,8	75 700	143 500*	48,8	99,7	62 800	134 400*	56,7	102,7	50 000	125 300*					46,0
48,0	35,7	92,1	70 500	136 200*	45,5	97,8	58 400	127 600*	53,8	101,2	46 100	118 900*					48,0
50,0	31,3	88,9	65 600	129 400*	42,1	95,6	54 200	121 200*	50,7	99,6	42 600	113 000*	58,2	101,7	31 000	104 700*	50,0
52,0	26,2	85,1	61 100	123 000*	38,3	93,2	50 400	115 400*	47,6	97,8	39 300	107 500*	55,4	100,4	28 200	99 600*	52,0
54,0	19,9	80,1	56 700	117 000*	34,3	90,3	46 700	109 800*	44,2	95,8	36 300	102 400*	52,4	98,8	25 700	94 800*	54,0
56,0	10,0	72,0	52 000	111 000*	29,7	87,0	43 300	104 700*	40,7	93,5	33 400	97 600*	49,3	97,1	23 300	90 400*	56,0
58,0					24,3	82,8	40 000	99 800*	36,8	90,9	30 700	93 100*	46,1	95,2	21 100	86 200*	58,0
60,0					17,2	77,2	36 700	95 100*	32,6	87,9	28 100	88 900*	42,7	93,1	19 000	82 300*	60,0
62,0									27,7	84,2	25 600	84 900*	39,0	90,7	17 000	78 700*	62,0
64,0									21,8	79,7	23 100	81 100*	35,0	87,9	15 000	75 200*	64,0
66,0									13,5	72,9	20 500	77 200*	30,5	84,7	13 200	71 900*	66,0
68,0													25,2	80,7	11 300	68 700*	68,0
70,0													18,6	75,4	9 400	65 600*	70,0

NOTE: Capacities indicated by **(b)** require 16 780 kg minimum weight suspended beneath luffing jib point.

CAUTION: Do not luff into area indicated by **(c)** with 16 780 kg minimum weight (see CAUTION on page 1).

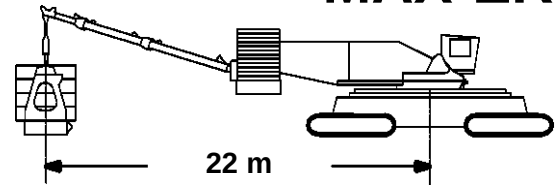
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



61,0 m Boom, 54,9 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
24,4	73,5	116,8	187 300	288 300*b													24,4
26,0	71,7	116,2	171 600	269 400*b													26,0
28,0	69,5	115,5	155 000	248 800*b													28,0
30,0	67,2	114,7	140 800	231 000*													30,0
32,0	64,9	113,7	128 700	215 300*													32,0
34,0	62,5	112,7	118 000	201 300*	68,7	114,4	99 000	188 800*b									34,0
36,0	60,1	111,5	108 600	188 900*	66,4	113,6	90 700	177 000*									36,0
38,0	57,7	110,3	100 300	177 700*	64,1	112,6	83 500	166 500*									38,0
40,0	55,1	108,9	92 800	167 700*	61,7	111,5	77 000	157 000*									40,0
42,0	52,5	107,4	86 100	158 500*	59,3	110,4	71 100	148 400*									42,0
44,0	49,8	105,7	80 000	150 200*	56,8	109,1	65 800	140 300*	63,2	111,0	51 800	130 400*					44,0
46,0	46,9	103,9	74 500	142 400*	54,2	107,6	61 000	132 900*	60,8	109,9	47 600	123 400*					46,0
48,0	44,0	101,8	69 400	135 100*	51,6	106,1	56 700	126 100*	58,4	108,7	43 900	117 100*					48,0
50,0	40,8	99,5	64 700	128 400*	48,8	104,3	52 600	119 800*	55,8	107,3	40 400	111 200*					50,0
52,0	37,4	97,0	60 400	122 200*	45,9	102,4	48 800	114 000*	53,2	105,8	37 200	105 700*	59,7	107,7	25 700	97 600*	52,0
54,0	33,7	94,1	56 300	116 400*	42,9	100,3	45 300	108 600*	50,5	104,2	34 200	100 700*	57,2	106,4	23 200	92 900*	54,0
56,0	29,6	90,7	52 500	111 000*	39,7	97,9	42 100	103 600*	47,7	102,4	31 500	96 000*	54,7	105,0	20 900	88 500*	56,0
58,0	24,9	86,6	48 800	106 000*	36,2	95,3	39 000	98 900*	44,8	100,4	28 900	91 600*	52,0	103,4	18 800	84 400*	58,0
60,0	19,0	81,4	45 300	101 100*	32,4	92,2	36 100	94 400*	41,7	98,2	26 400	87 500*	49,3	101,7	16 700	80 600*	60,0
62,0	10,1	73,1	41 500	96 200*	28,1	88,6	33 300	90 200*	38,4	95,7	24 100	83 700*	46,4	99,9	14 800	77 000*	62,0
64,0					23,1	84,2	30 600	86 300*	34,8	92,9	21 900	80 000*	43,4	97,8	13 000	73 600*	64,0
66,0					16,5	78,4	27 900	82 400*	30,8	89,7	19 800	76 500*	40,2	95,5	11 300	70 400*	66,0
68,0									26,3	85,8	17 700	73 200*	36,8	92,8	9 600	67 400*	68,0
70,0									20,8	81,0	15 700	70 000*	33,0	89,9	8 000	64 500*	70,0
72,0									13,2	74,0	13 400	66 800*	28,8	86,4	6 500	61 700*	72,0
74,0													24,0	82,2	4 900	59 100*	74,0
76,0													17,8	76,6	3 300	56 400*	76,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

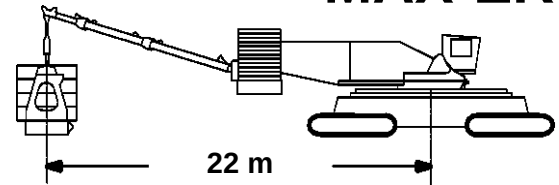
CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



61,0 m Boom, 61,0 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
25,9	73,7	122,7	171 400	269 100*													25,9
26,0	73,6	122,7	170 600	268 100*													26,0
28,0	71,6	122,0	153 900	247 500*													28,0
30,0	69,6	121,2	139 700	229 600*													30,0
32,0	67,6	120,4	127 500	214 000*													32,0
34,0	65,5	119,5	116 800	200 100*													34,0
36,0	63,4	118,5	107 400	187 700*	68,9	120,2	89 200	175 600*									36,0
38,0	61,3	117,4	99 100	176 600*	66,9	119,4	81 900	165 100*									38,0
40,0	59,1	116,2	91 700	166 600*	64,8	118,4	75 400	155 600*									40,0
42,0	56,8	114,9	85 000	157 400*	62,7	117,4	69 600	147 000*									42,0
44,0	54,5	113,5	78 900	149 100*	60,5	116,3	64 400	139 100*									44,0
46,0	52,2	112,0	73 500	141 400*	58,3	115,1	59 600	131 700*	64,0	116,8	45 800	122 000*					46,0
48,0	49,7	110,3	68 400	134 200*	56,1	113,7	55 200	124 900*	61,9	115,8	42 100	115 600*					48,0
50,0	47,2	108,5	63 800	127 500*	53,7	112,2	51 200	118 700*	59,7	114,6	38 700	109 800*					50,0
52,0	44,5	106,5	59 500	121 400*	51,3	110,7	47 500	112 900*	57,5	113,3	35 500	104 400*					52,0
54,0	41,7	104,2	55 600	115 700*	48,8	108,9	44 100	107 500*	55,2	111,9	32 600	99 400*					54,0
56,0	38,7	101,8	51 900	110 400*	46,3	107,1	40 900	102 600*	52,8	110,4	29 900	94 700*	58,7	112,4	19 000	87 000*	56,0
58,0	35,5	99,1	48 400	105 400*	43,6	105,0	37 900	97 900*	50,4	108,8	27 300	90 400*	56,4	111,0	16 900	82 900*	58,0
60,0	32,1	96,0	45 100	100 700*	40,7	102,7	35 100	93 600*	47,9	107,0	25 000	86 300*	54,1	109,6	14 900	79 200*	60,0
62,0	28,2	92,4	42 000	96 300*	37,7	100,1	32 400	89 500*	45,2	105,1	22 700	82 500*	51,7	108,0	13 100	75 600*	62,0
64,0	23,8	88,1	39 000	92 100*	34,4	97,3	29 900	85 600*	42,5	102,9	20 600	78 900*	49,3	106,3	11 300	72 300*	64,0
66,0	18,3	82,6	36 100	88 100*	30,8	94,1	27 500	82 000*	39,6	100,5	18 600	75 600*	46,7	104,5	9 700	69 100*	66,0
68,0	10,1	74,1	32 900	84 100*	26,8	90,3	25 200	78 500*	36,4	97,9	16 700	72 400*	44,0	102,4	8 100	66 200*	68,0
70,0					22,1	85,7	23 000	75 200*	33,1	94,9	14 900	69 300*	41,2	100,2	6 600	63 400*	70,0
72,0					16,0	79,5	20 700	71 900*	29,3	91,4	13 100	66 400*	38,2	97,7	5 200	60 700*	72,0
74,0									25,1	87,4	11 400	63 600*	35,0	94,9	3 800	58 100*	74,0
76,0									19,9	82,3	9 600	60 900*	31,4	91,7	2 400	55 700*	76,0
80,0													22,9	83,6		51 100*	80,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

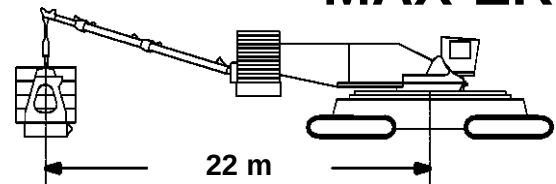
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



61,0 m Boom, 67,1 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
27,4	73,8	128,6	157 400	235 000* ^b													27,4
28,0	73,3	128,4	153 100	235 000* ^b													28,0
30,0	71,5	127,8	138 600	227 500*													30,0
32,0	69,7	127,0	126 300	212 300*													32,0
34,0	67,9	126,2	115 500	198 400*													34,0
36,0	66,0	125,3	106 100	186 000*													36,0
38,0	64,1	124,3	97 700	175 000*													38,0
40,0	62,2	123,3	90 200	164 900*	67,2	125,2	73 400	153 700*									40,0
42,0	60,2	122,2	83 500	155 900*	65,4	124,2	67 600	145 100*									42,0
44,0	58,2	120,9	77 400	147 600*	63,5	123,2	62 400	137 300*									44,0
46,0	56,1	119,6	72 000	139 900*	61,5	122,2	57 600	129 900*									46,0
48,0	54,0	118,2	66 900	132 700*	59,5	121,0	53 200	123 100*									48,0
50,0	51,9	116,6	62 300	126 100*	57,5	119,7	49 200	116 900*	62,7	121,6	36 300	107 800*					50,0
52,0	49,6	114,9	58 000	120 000*	55,4	118,3	45 600	111 200*	60,8	120,5	33 100	102 400*					52,0
54,0	47,3	113,1	54 100	114 300*	53,3	116,9	42 200	105 900*	58,8	119,3	30 300	97 500*					54,0
56,0	44,9	111,1	50 400	109 100*	51,1	115,3	39 000	101 000*	56,7	118,0	27 600	92 900*					56,0
58,0	42,4	108,9	47 000	104 200*	48,9	113,5	36 000	96 400*	54,6	116,6	25 100	88 600*	59,9	118,3	14 300	80 900*	58,0
60,0	39,8	106,6	43 800	99 600*	46,5	111,7	33 300	92 100*	52,5	115,0	22 800	84 500*	57,8	117,0	12 300	77 100*	60,0
62,0	37,0	104,0	40 800	95 200*	44,1	109,6	30 700	88 000*	50,3	113,4	20 600	80 800*	55,8	115,7	10 600	73 600*	62,0
64,0	33,9	101,1	38 000	91 200*	41,5	107,4	28 300	84 200*	48,0	111,6	18 500	77 300*	53,7	114,2	8 800	70 400*	64,0
66,0	30,7	97,8	35 300	87 300*	38,8	104,9	26 000	80 600*	45,6	109,7	16 600	73 900*	51,5	112,7	7 200	67 200*	66,0
68,0	27,0	94,0	32 700	83 700*	35,9	102,2	23 800	77 200*	43,1	107,6	14 700	70 800*	49,2	110,9	5 700	64 300*	68,0
70,0	22,8	89,6	30 200	80 100*	32,9	99,2	21 700	74 000*	40,5	105,3	13 000	67 800*	46,9	109,1	4 300	61 600*	70,0
72,0	17,7	83,9	27 700	76 800*	29,5	95,8	19 700	71 000*	37,7	102,7	11 300	64 900*	44,5	107,1	2 900	58 900*	72,0
74,0	10,1	75,2	25 000	73 300*	25,7	91,8	17 700	68 000*	34,8	99,9	9 700	62 200*	42,0	104,9	1 600	56 400*	74,0
76,0					21,2	87,0	15 800	65 200*	31,6	96,7	8 100	59 700*	39,3	102,5	300	54 100*	76,0
80,0									24,0	88,9	5 200	54 800*	33,4	96,9		49 600*	80,0
84,0									12,7	76,2	1 900	50 000*	26,3	89,7		45 500*	84,0
88,0													16,6	79,0		41 600*	88,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

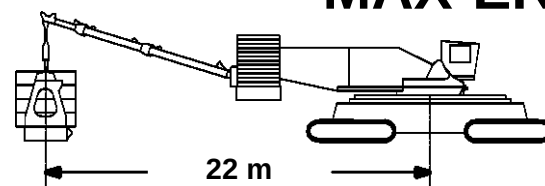
CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

21000
MAX-ER



61,0 m Boom, 73,2 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
29,0	74,0	134,5	144 300	205 900*													29,0
30,0	73,1	134,2	137 200	205 900*													30,0
32,0	71,5	133,5	124 700	205 900*													32,0
34,0	69,8	132,8	113 900	197 400*													34,0
36,0	68,1	132,0	104 500	184 500*													36,0
38,0	66,4	131,1	96 100	173 400*													38,0
40,0	64,7	130,2	88 600	163 400*	69,2	131,8	71 500	152 100*									40,0
42,0	62,9	129,1	81 900	154 400*	67,5	130,9	65 700	143 500*									42,0
44,0	61,1	128,0	75 800	146 100*	65,8	130,0	60 400	135 600*									44,0
46,0	59,3	126,9	70 300	138 500*	64,1	129,1	55 600	128 300*									46,0
48,0	57,5	125,6	65 300	131 400*	62,3	128,0	51 300	121 600*									48,0
50,0	55,6	124,2	60 600	124 800*	60,5	126,9	47 300	115 400*									50,0
52,0	53,6	122,8	56 400	118 700*	58,7	125,7	43 700	109 700*	63,4	127,4	31 000	100 800*					52,0
54,0	51,6	121,2	52 500	113 000*	56,8	124,4	40 300	104 400*	61,6	126,4	28 200	95 800*					54,0
56,0	49,6	119,5	48 900	107 800*	54,9	123,0	37 100	99 500*	59,8	125,2	25 500	91 200*					56,0
58,0	47,5	117,7	45 500	102 900*	53,0	121,5	34 200	94 900*	58,0	124,0	23 000	86 900*					58,0
60,0	45,3	115,7	42 300	98 300*	50,9	119,9	31 500	90 600*	56,1	122,6	20 700	82 900*					60,0
62,0	43,0	113,6	39 400	94 000*	48,9	118,1	28 900	86 600*	54,2	121,2	18 500	79 200*	59,0	123,0	8 300	71 900*	62,0
64,0	40,6	111,3	36 600	90 000*	46,7	116,3	26 500	82 800*	52,2	119,7	16 500	75 700*	57,1	121,7	6 700	68 600*	64,0
66,0	38,1	108,8	34 000	86 200*	44,5	114,3	24 200	79 300*	50,2	118,0	14 600	72 400*	55,2	120,3	5 100	65 600*	66,0
68,0	35,4	106,0	31 400	82 600*	42,2	112,1	22 100	75 900*	48,1	116,2	12 800	69 300*	53,3	118,8	3 600	62 600*	68,0
70,0	32,6	103,0	29 100	79 200*	39,8	109,7	20 100	72 800*	45,9	114,3	11 100	66 300*	51,3	117,2	2 200	59 900*	70,0
72,0	29,5	99,6	26 800	76 000*	37,2	107,1	18 200	69 800*	43,6	112,2	9 500	63 500*	49,2	115,5	800	57 300*	72,0
74,0	26,0	95,6	24 600	72 900*	34,5	104,3	16 300	66 900*	41,3	110,0	7 900	60 900*	47,1	113,7		54 900*	74,0
76,0	22,0	90,9	22 500	69 900*	31,5	101,1	14 600	64 200*	38,8	107,5	6 400	58 300*	44,9	111,7		52 500*	76,0
80,0					24,7	93,4	11 200	59 100*	33,4	101,9	3 700	53 600*	40,2	107,2		48 200*	80,0
84,0					15,1	81,8	7 800	54 200*	27,0	94,8	1 000	49 300*	34,9	101,9		44 200*	84,0
88,0									18,6	84,9		45 200*	28,9	95,2		40 500*	88,0
92,0													21,3	86,4		37 000*	92,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

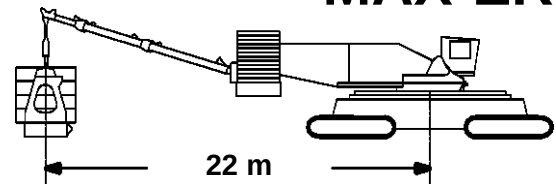
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



61,0 m Boom, 79,2 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
30,5	74,1	140,4	132 300	180 100*													30,5
32,0	73,0	139,9	123 000	180 100*													32,0
34,0	71,4	139,3	112 200	180 100*													34,0
36,0	69,9	138,5	102 700	179 700*													36,0
38,0	68,3	137,7	94 300	172 000*													38,0
40,0	66,8	136,9	86 800	161 800*													40,0
42,0	65,2	136,0	80 100	152 700*	69,4	137,5	63 500	141 600*									42,0
44,0	63,6	135,0	74 000	144 500*	67,8	136,7	58 200	133 800*									44,0
46,0	61,9	133,9	68 500	136 900*	66,2	135,8	53 400	126 500*									46,0
48,0	60,3	132,8	63 500	129 800*	64,6	134,9	49 100	119 800*									48,0
50,0	58,6	131,6	58 900	123 200*	63,0	133,9	45 100	113 600*									50,0
52,0	56,8	130,2	54 600	117 200*	61,4	132,8	41 500	107 900*									52,0
54,0	55,1	128,9	50 700	111 500*	59,7	131,6	38 100	102 600*	64,0	133,3	25 700	93 900*					54,0
56,0	53,3	127,4	47 100	106 300*	58,0	130,4	35 000	97 700*	62,4	132,2	23 000	89 200*					56,0
58,0	51,4	125,8	43 700	101 400*	56,2	129,0	32 100	93 200*	60,7	131,1	20 600	85 000*					58,0
60,0	49,5	124,1	40 600	96 900*	54,5	127,6	29 400	88 900*	59,0	129,9	18 300	81 100*					60,0
62,0	47,6	122,3	37 600	92 600*	52,7	126,1	26 900	84 900*	57,3	128,6	16 200	77 300*					62,0
64,0	45,6	120,3	34 900	88 600*	50,8	124,5	24 500	81 200*	55,6	127,3	14 200	73 800*	60,0	128,9	4 000	66 600*	64,0
66,0	43,5	118,3	32 300	84 800*	48,9	122,7	22 300	77 700*	53,8	125,8	12 300	70 600*	58,3	127,7	2 500	63 500*	66,0
68,0	41,3	116,0	29 800	81 300*	46,9	120,9	20 200	74 300*	51,9	124,3	10 500	67 500*	56,5	126,4	1 000	60 700*	68,0
70,0	39,0	113,6	27 600	77 900*	44,9	118,9	18 200	71 200*	50,1	122,6	8 800	64 500*	54,8	124,9		58 000*	70,0
72,0	36,6	110,9	25 300	74 700*	42,8	116,8	16 300	68 200*	48,1	120,8	7 200	61 800*	53,0	123,4		55 400*	72,0
74,0	34,1	108,1	23 200	71 700*	40,5	114,4	14 500	65 400*	46,1	118,9	5 800	59 100*	51,1	121,8		53 000*	74,0
76,0	31,4	104,8	21 200	68 800*	38,2	111,9	12 800	62 800*	44,1	116,9	4 300	56 700*	49,2	120,1		50 700*	76,0
80,0	25,1	97,2	17 400	63 400*	33,2	106,2	9 600	57 700*	39,7	112,3	1 600	52 000*	45,2	116,3		46 300*	80,0
84,0	16,7	86,3	13 700	58 300*	27,3	99,2	6 500	53 200*	34,8	106,9		47 800*	40,9	111,9		42 400*	84,0
88,0					19,9	89,7	3 700	48 900*	29,2	100,3		43 900*	36,2	106,8		38 800*	88,0
92,0									22,4	91,8		40 200*	30,9	100,6		35 500*	92,0
96,0									12,3	78,3		36 600*	24,5	92,7		32 400*	96,0
100,0													15,8	81,3		29 300*	100,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

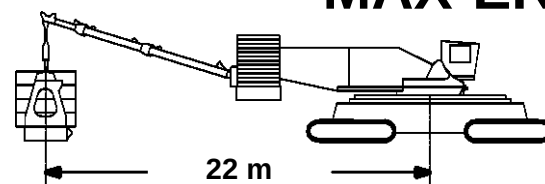
CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

21000
MAX-ER



61,0 m Boom, 85,3 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms		
32,0	74,2	146,3	122 300	157 300*												32,0	
34,0	72,8	145,7	111 400	157 300*												34,0	
36,0	71,4	145,0	101 800	157 300*												36,0	
38,0	70,0	144,3	93 300	157 300*												38,0	
40,0	68,5	143,5	85 700	156 700*												40,0	
42,0	67,1	142,7	78 900	151 900*												42,0	
44,0	65,6	141,8	72 800	143 100*												44,0	
46,0	64,1	140,8	67 200	135 500*	68,0	142,5	51 800	125 000*								46,0	
48,0	62,6	139,8	62 200	128 500*	66,6	141,6	47 500	118 300*								48,0	
50,0	61,1	138,7	57 500	121 900*	65,1	140,7	43 500	112 100*								50,0	
52,0	59,5	137,5	53 300	115 800*	63,6	139,7	39 900	106 400*								52,0	
54,0	57,9	136,2	49 400	110 200*	62,1	138,6	36 500	101 200*								54,0	
56,0	56,3	134,9	45 700	105 000*	60,5	137,5	33 400	96 300*								56,0	
58,0	54,7	133,5	42 400	100 200*	59,0	136,3	30 400	91 700*	63,0	138,1	18 700	83 500*				58,0	
60,0	53,0	132,0	39 200	95 600*	57,4	135,0	27 700	87 500*	61,5	137,0	16 400	79 500*				60,0	
62,0	51,3	130,4	36 300	91 300*	55,7	133,7	25 200	83 600*	59,9	135,8	14 300	75 800*				62,0	
64,0	49,5	128,7	33 500	87 400*	54,1	132,2	22 900	79 800*	58,3	134,6	12 300	72 300*				64,0	
66,0	47,7	126,9	30 900	83 600*	52,4	130,7	20 600	76 300*	56,7	133,3	10 400	69 100*				66,0	
68,0	45,8	125,0	28 500	80 100*	50,7	129,1	18 500	73 000*	55,1	131,9	8 700	66 000*	59,2	133,6	59 100*	68,0	
70,0	43,9	122,9	26 200	76 700*	48,9	127,3	16 600	69 900*	53,4	130,4	7 000	63 100*	57,6	132,4	56 400*	70,0	
72,0	41,9	120,7	24 000	73 600*	47,1	125,5	14 700	67 000*	51,7	128,9	5 400	60 300*	56,0	131,0	53 800*	72,0	
74,0	39,8	118,3	21 900	70 600*	45,2	123,5	12 900	64 100*	50,0	127,2	3 900	57 700*	54,4	129,6	51 400*	74,0	
76,0	37,6	115,8	20 000	67 700*	43,2	121,4	11 200	61 500*	48,2	125,4	2 500	55 300*	52,7	128,1	49 100*	76,0	
80,0	32,9	110,0	16 300	62 400*	39,1	116,7	8 100	56 600*	44,4	121,5		50 700*	49,2	124,7	44 900*	80,0	
84,0	27,5	102,9	12 900	57 600*	34,5	111,2	5 200	52 000*	40,4	117,0		46 500*	45,5	121,0	41 000*	84,0	
88,0	20,7	93,7	9 700	53 100*	29,4	104,7	2 500	47 900*	36,0	111,8		42 700*	41,5	116,7	37 500*	88,0	
92,0					23,1	96,3		44 100*	31,0	105,6		39 200*	37,3	111,7	34 200*	92,0	
96,0					14,5	84,1		40 300*	25,2	97,9		35 800*	32,5	105,8	31 200*	96,0	
100,0									17,6	87,3		32 700*	26,9	98,6	28 300*	100,0	
104,0													20,0	89,0	25 000*	104,0	

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

CAUTION: Do not luff into area indicated by (c) with 16 780 kg 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

208 060 kg Crane Counterweight

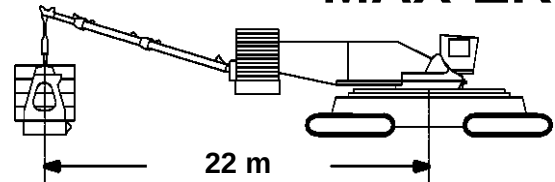
90 720 kg Carbody Counterweight

112 170 kg Hanging Counterweight

at 22 m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



61,0 m Boom, 91,4 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
33,5	74,3	152,2	112 000	138 000*									33,5
34,0	74,0	152,1	109 700	138 000*									34,0
36,0	72,7	151,5	99 900	138 000*									36,0
38,0	71,4	150,8	91 400	138 000*									38,0
40,0	70,0	150,1	83 800	138 000*									40,0
42,0	68,7	149,3	77 000	138 000*									42,0
44,0	67,3	148,4	70 900	137 900*									44,0
46,0	65,9	147,6	65 300	134 000*	69,6	149,0	49 600	123 100*					46,0
48,0	64,6	146,6	60 300	126 900*	68,2	148,2	45 200	116 400*					48,0
50,0	63,2	145,6	55 600	120 300*	66,9	147,4	41 200	110 300*					50,0
52,0	61,7	144,5	51 400	114 300*	65,5	146,5	37 600	104 600*					52,0
54,0	60,3	143,4	47 500	108 600*	64,1	145,5	34 200	99 400*					54,0
56,0	58,8	142,2	43 800	103 400*	62,7	144,5	31 100	94 500*					56,0
58,0	57,3	140,9	40 400	98 600*	61,2	143,4	28 200	90 000*	64,9	144,9	16 100	81 500*	58,0
60,0	55,8	139,6	37 300	94 000*	59,8	142,2	25 500	85 800*	63,5	143,9	13 900	77 500*	60,0
62,0	54,3	138,1	34 400	89 800*	58,3	141,0	23 000	81 800*	62,1	142,8	11 800	73 900*	62,0
64,0	52,7	136,6	31 600	85 800*	56,8	139,7	20 700	78 100*	60,7	141,7	9 800	70 400*	64,0
66,0	51,1	135,0	29 100	82 100*	55,3	138,3	18 500	74 600*	59,2	140,5	8 000	67 200*	66,0
68,0	49,5	133,3	26 600	78 600*	53,8	136,9	16 400	71 300*	57,8	139,3	6 300	64 100*	68,0
70,0	47,8	131,5	24 400	75 200*	52,2	135,3	14 400	68 200*	56,2	137,9	4 600	61 200*	70,0
72,0	46,0	129,6	22 200	71 200*	50,6	133,7	12 600	65 300*	54,7	136,5	3 100	58 500*	72,0
74,0	44,3	127,6	20 200	67 400*	48,9	131,9	10 800	62 500*	53,2	135,0	1 600	55 900*	74,0
76,0	42,4	125,4	18 200	63 800*	47,2	130,1	9 200	59 900*	51,6	133,5	200	53 400*	76,0
80,0	38,5	120,6	14 600	56 900*	43,6	126,1	6 100	55 000*	48,2	130,0		48 900*	80,0
84,0	34,2	115,0	11 300	50 600*	39,8	121,5	3 300	50 500*	44,8	126,1		44 800*	84,0
88,0	29,4	108,4	8 200	44 900*	35,7	116,2	700	46 500*	41,0	121,7		41 000*	88,0
92,0	23,6	100,2	5 400	39 600*	31,0	110,0		42 700*	37,0	116,7		37 500*	92,0
96,0	16,0	88,6	2 500	35 100*	25,6	102,3		39 200*	32,5	110,8		34 300*	96,0
100,0					18,8	92,2		35 900*	27,4	103,7		31 300*	100,0
104,0									21,1	94,5		28 400*	104,0
108,0									12,0	80,5		25 400*	108,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

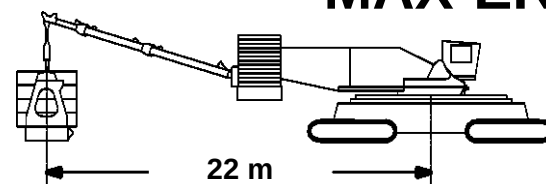
CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

21000
MAX-ER



67,1 m Boom, 36,6 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
19,8				c													19,8
20,0				c													20,0
22,0				c													22,0
24,0				c													24,0
26,0	62,7	102,6	173 300	271 700*b													26,0
28,0	59,1	101,4	156 800	251 100*b													28,0
30,0	55,3	100,0	142 800	233 200*b				c									30,0
32,0	51,3	98,4	130 600	217 400*	62,4	101,7	109 800	203 600*b									32,0
34,0	47,0	96,6	119 800	203 300*	58,8	100,5	100 600	190 500*b									34,0
36,0	42,5	94,5	110 300	190 700*	55,0	99,1	92 400	178 800*b									36,0
38,0	37,4	92,0	101 700	179 400*	51,0	97,5	85 200	168 200*	62,0	100,2	68 200	156 700*b					38,0
40,0	31,7	88,9	94 000	169 100*	46,7	95,6	78 600	158 700*	58,3	99,0	62 700	147 800*b					40,0
42,0	24,6	84,9	86 700	159 500*	42,1	93,5	72 600	149 900*	54,5	97,6	57 700	139 400*b					42,0
44,0	14,5	78,7	79 600	150 500*	37,0	90,9	67 100	141 600*	50,5	95,9	53 200	131 700*					44,0
46,0					31,2	87,8	62 000	133 900*	46,1	94,0	49 000	124 700*	57,6	96,9	35 700	115 200*b	46,0
48,0					24,0	83,7	57 100	126 800*	41,5	91,8	45 100	118 200*	53,7	95,4	32 500	109 200*b	48,0
50,0					13,3	77,2	52 100	119 800*	36,3	89,2	41 500	112 200*	49,6	93,8	29 600	103 700*	50,0
52,0									30,4	86,0	38 000	106 500*	45,3	91,8	26 900	98 600*	52,0
54,0									23,0	81,7	34 600	101 200*	40,5	89,5	24 300	93 800*	54,0
56,0									11,2	74,5	30 700	95 700*	35,2	86,8	21 800	89 300*	56,0
58,0													29,1	83,4	19 400	85 000*	58,0
60,0													21,2	78,8	16 900	80 800*	60,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

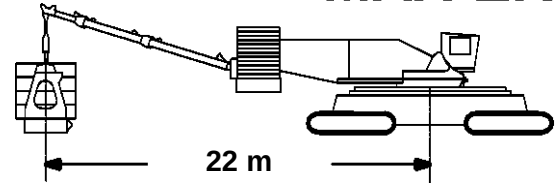
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



67,1 m Boom, 42,7 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
21,3				c													21,3
22,0				c													22,0
24,0				c													24,0
26,0	66,9	109,4	172 800	270 300*b													26,0
28,0	63,9	108,4	156 300	249 800*b													28,0
30,0	60,9	107,3	142 200	231 900*b													30,0
32,0	57,7	106,1	130 000	216 200*	66,7	108,5	108 200	201 900*b									32,0
34,0	54,4	104,7	119 300	202 300*	63,7	107,5	99 000	188 800*b									34,0
36,0	51,0	103,0	109 900	189 900*	60,6	106,4	91 000	177 200*b									36,0
38,0	47,3	101,2	101 500	178 700*	57,4	105,1	83 800	166 700*									38,0
40,0	43,5	99,2	94 000	168 500*	54,1	103,7	77 300	157 300*	63,3	106,0	60 600	145 900*b					40,0
42,0	39,3	96,8	87 200	159 300*	50,7	102,1	71 500	148 600*	60,2	104,9	55 700	137 600*b					42,0
44,0	34,7	94,0	80 900	150 800*	47,0	100,2	66 200	140 600*	57,0	103,6	51 300	130 000*					44,0
46,0	29,4	90,6	75 000	142 900*	43,2	98,2	61 300	133 100*	53,7	102,2	47 300	123 100*					46,0
48,0	23,0	86,3	69 600	135 300*	39,0	95,8	56 800	126 300*	50,2	100,5	43 500	116 800*					48,0
50,0	13,9	79,8	64 100	128 100*	34,3	92,9	52 700	119 900*	46,6	98,7	40 100	110 900*	56,4	101,5	27 300	101 900*	50,0
52,0					29,0	89,5	48 700	113 900*	42,7	96,5	36 900	105 500*	53,1	100,0	24 800	96 800*	52,0
54,0					22,5	85,1	44 800	108 300*	38,4	94,1	33 800	100 400*	49,5	98,3	22 300	92 200*	54,0
56,0					12,9	78,2	40 800	102 800*	33,7	91,2	31 000	95 600*	45,8	96,4	20 100	87 800*	56,0
58,0									28,2	87,7	28 200	91 100*	41,9	94,2	17 900	83 700*	58,0
60,0									21,5	83,1	25 400	86 800*	37,5	91,7	15 800	79 900*	60,0
62,0									11,1	75,6	22 300	82 300*	32,7	88,7	13 800	76 200*	62,0
64,0													27,1	85,1	11 900	72 800*	64,0
66,0													19,9	80,1	9 800	69 300*	66,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

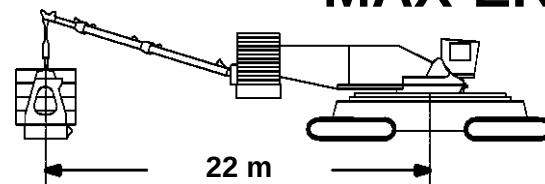
CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

21000
MAX-ER



67,1 m Boom, 48,8 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
22,9				c													22,9
24,0				c													24,0
26,0	70,0	116,0	172 100	269 100*b													26,0
28,0	67,4	115,2	155 500	248 700*b													28,0
30,0	64,8	114,2	141 400	230 900*b													30,0
32,0	62,2	113,2	129 300	215 300*	69,8	115,1	106 700	200 400*b									32,0
34,0	59,4	112,0	118 700	201 400*	67,2	114,3	97 700	187 500*b									34,0
36,0	56,6	110,7	109 300	189 000*	64,6	113,3	89 700	175 900*b									36,0
38,0	53,7	109,3	101 000	177 900*	62,0	112,3	82 600	165 500*									38,0
40,0	50,7	107,6	93 500	167 800*	59,2	111,1	76 200	156 100*									40,0
42,0	47,5	105,8	86 800	158 700*	56,4	109,8	70 400	147 600*									42,0
44,0	44,2	103,8	80 700	150 300*	53,5	108,3	65 200	139 600*	61,6	110,8	49 700	128 700*					44,0
46,0	40,6	101,5	75 100	142 600*	50,5	106,7	60 500	132 300*	58,9	109,6	45 700	121 900*					46,0
48,0	36,8	98,9	69 900	135 300*	47,3	104,9	56 100	125 500*	56,1	108,3	42 100	115 600*					48,0
50,0	32,5	95,9	65 200	128 500*	43,9	102,8	52 100	119 300*	53,1	106,8	38 800	109 800*					50,0
52,0	27,7	92,3	60 600	122 300*	40,4	100,5	48 300	113 500*	50,1	105,1	35 700	104 400*	58,3	107,5	23 000	95 500*	52,0
54,0	21,8	87,7	56 300	116 300*	36,5	97,9	44 800	108 100*	46,9	103,3	32 800	99 500*	55,5	106,2	20 700	90 900*	54,0
56,0	13,4	80,9	52 000	110 600*	32,2	94,8	41 500	103 000*	43,5	101,2	30 100	94 800*	52,5	104,6	18 500	86 600*	56,0
58,0					27,2	91,1	38 300	98 300*	39,9	98,9	27 500	90 500*	49,5	102,9	16 500	82 600*	58,0
60,0					21,2	86,4	35 200	93 700*	36,0	96,2	25 100	86 400*	46,2	101,1	14 600	78 800*	60,0
62,0					12,6	79,3	32 000	89 200*	31,6	93,1	22 800	82 500*	42,8	98,9	12 800	75 300*	62,0
64,0									26,6	89,3	20 500	78 800*	39,1	96,5	11 000	72 000*	64,0
66,0									20,4	84,4	18 200	75 300*	35,1	93,8	9 300	68 800*	66,0
68,0									11,0	76,6	15 600	71 600*	30,7	90,5	7 700	65 800*	68,0
70,0													25,5	86,6	6 000	62 900*	70,0
72,0													18,9	81,4	4 300	60 100*	72,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

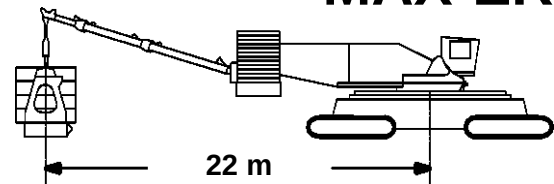
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



67,1 m Boom, 54,9 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
24,4	74,1	123,0	186 300	282 100 b													24,4
26,0	72,3	122,5	170 700	267 500 b													26,0
28,0	70,1	121,8	154 100	247 000 b													28,0
30,0	67,8	120,9	139 900	229 200 b													30,0
32,0	65,5	120,1	127 800	213 700*													32,0
34,0	63,2	119,0	117 200	199 800*													34,0
36,0	60,8	117,9	107 800	187 500*	67,6	120,1	87 600	174 100 b									36,0
38,0	58,3	116,7	99 500	176 400*	65,3	119,1	80 400	163 600*									38,0
40,0	55,8	115,3	92 100	166 400*	63,0	118,1	74 100	154 300*									40,0
42,0	53,2	113,9	85 500	157 300*	60,6	117,0	68 400	145 800*									42,0
44,0	50,5	112,2	79 400	149 000*	58,1	115,8	63 300	138 000*									44,0
46,0	47,7	110,4	73 900	141 400*	55,6	114,4	58 600	130 700*	62,7	116,7	43 300	119 900*					46,0
48,0	44,8	108,5	68 800	134 200*	53,0	112,9	54 300	123 900*	60,3	115,5	39 700	113 600*					48,0
50,0	41,7	106,2	64 100	127 600*	50,3	111,3	50 300	117 800*	57,8	114,3	36 400	107 900*					50,0
52,0	38,3	103,8	59 800	121 400*	47,5	109,5	46 700	112 100*	55,3	112,9	33 400	102 600*					52,0
54,0	34,7	101,0	55 800	115 700*	44,5	107,5	43 300	106 700*	52,7	111,4	30 600	97 700*					54,0
56,0	30,8	97,7	52 000	110 300*	41,4	105,2	40 100	101 800*	50,0	109,7	28 000	93 200*	57,3	112,2	15 900	84 600*	56,0
58,0	26,2	93,9	48 400	105 200*	38,1	102,7	37 100	97 100*	47,1	107,9	25 500	88 900*	54,8	110,8	14 000	80 600*	58,0
60,0	20,7	89,0	44 900	100 400*	34,4	99,9	34 300	92 800*	44,2	105,9	23 200	84 900*	52,2	109,2	12 100	77 000*	60,0
62,0	13,1	82,0	41 400	95 800*	30,4	96,6	31 600	88 700*	41,0	103,6	21 100	81 100*	49,4	107,5	10 400	73 500*	62,0
64,0					25,8	92,7	29 000	84 800*	37,6	101,1	19 000	77 600*	46,6	105,7	8 800	70 200*	64,0
66,0					20,3	87,8	26 500	81 000*	34,0	98,2	17 000	74 200*	43,6	103,6	7 200	67 100*	66,0
68,0					12,3	80,4	23 700	77 300*	29,9	94,8	15 100	71 000*	40,4	101,3	5 700	64 200*	68,0
70,0									25,2	90,8	13 200	67 900*	36,9	98,7	4 300	61 500*	70,0
72,0									19,4	85,7	11 300	64 900*	33,2	95,7	2 900	58 800*	72,0
74,0									10,9	77,7	9 100	61 800*	29,0	92,3	1 500	56 300*	74,0
76,0													24,2	88,1		53 900*	76,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

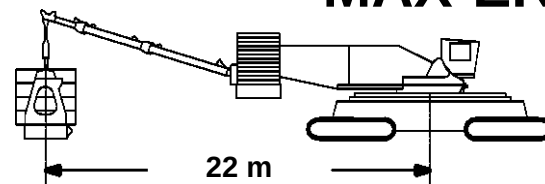
CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

21000
MAX-ER



67,1 m Boom, 61,0 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
25,9	74,2	128,9	171 100	246 700* b													25,9
26,0	74,1	128,9	170 300	246 700* b													26,0
28,0	72,1	128,2	153 500	243 100* b													28,0
30,0	70,1	127,5	139 300	228 400*													30,0
32,0	68,1	126,7	127 000	212 400*													32,0
34,0	66,1	125,8	116 300	198 600*													34,0
36,0	64,0	124,9	106 900	186 300*													36,0
38,0	61,8	123,8	98 600	175 200*	68,0	125,8	79 000	162 200*									38,0
40,0	59,7	122,6	91 200	165 200*	65,9	124,9	72 700	152 900*									40,0
42,0	57,4	121,4	84 500	156 200*	63,8	124,0	67 000	144 400*									42,0
44,0	55,2	120,0	78 400	147 900*	61,7	122,9	61 800	136 600*									44,0
46,0	52,8	118,5	73 000	140 400*	59,5	121,7	57 200	129 400*									46,0
48,0	50,4	116,8	68 000	133 300*	57,3	120,4	52 900	122 700*	63,5	122,5	37 900	112 200*					48,0
50,0	47,8	115,1	63 300	126 700*	55,0	119,0	49 000	116 600*	61,4	121,4	34 700	106 500*					50,0
52,0	45,2	113,1	59 000	120 600*	52,6	117,5	45 400	110 800*	59,2	120,2	31 700	101 200*					52,0
54,0	42,4	110,9	55 100	114 900*	50,2	115,9	42 000	105 600*	57,0	118,9	28 900	96 300*					54,0
56,0	39,5	108,6	51 400	109 600*	47,6	114,1	38 900	100 700*	54,7	117,5	26 300	91 800*					56,0
58,0	36,4	105,9	48 000	104 700*	45,0	112,1	36 000	96 100*	52,3	116,0	23 900	87 600*	58,8	118,1	12 000	79 100*	58,0
60,0	33,0	102,9	44 700	100 000*	42,2	109,9	33 300	91 800*	49,9	114,3	21 700	83 600*	56,5	116,8	10 300	75 500*	60,0
62,0	29,3	99,5	41 600	95 700*	39,3	107,5	30 700	87 800*	47,3	112,5	19 600	79 900*	54,2	115,4	8 600	72 000*	62,0
64,0	25,0	95,4	38 700	91 500*	36,2	104,8	28 200	84 100*	44,7	110,5	17 600	76 400*	51,8	113,8	7 000	68 800*	64,0
66,0	19,9	90,3	35 800	87 600*	32,7	101,8	25 900	80 500*	41,9	108,3	15 700	73 100*	49,4	112,1	5 500	65 800*	66,0
68,0	12,8	83,1	32 800	83 600*	29,0	98,3	23 700	77 100*	38,9	105,9	13 900	70 000*	46,8	110,3	4 100	62 900*	68,0
70,0					24,7	94,2	21 500	73 800*	35,7	103,2	12 200	67 000*	44,1	108,2	2 700	60 200*	70,0
72,0					19,4	89,0	19 400	70 600*	32,3	100,1	10 500	64 300*	41,3	106,0	1 400	57 700*	72,0
74,0					12,1	81,5	17 100	67 500*	28,5	96,5	8 900	61 500*	38,3	103,5		55 200*	74,0
76,0									24,1	92,3	7 300	58 900*	35,1	100,8		52 900*	76,0
80,0													27,7	93,9		48 500*	80,0
84,0													17,4	83,8		44 300*	84,0

NOTE: Capacities indicated by **(b)** require 16 780 kg minimum weight suspended beneath luffing jib point.

CAUTION: Do not luff into area indicated by **(c)** with 16 780 kg 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

208 060 kg Crane Counterweight

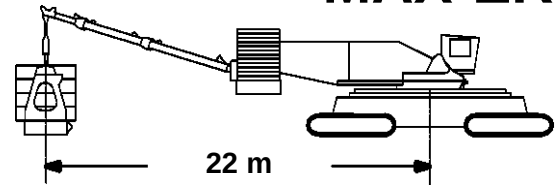
90 720 kg Carbody Counterweight

112 170 kg Hanging Counterweight

at 22 m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



67,1 m Boom, 67,1 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
27,4	74,3	134,8	156 400	216 400* b													27,4
28,0	73,8	134,7	152 100	216 400* b													28,0
30,0	72,0	134,0	137 600	216 400*													30,0
32,0	70,2	133,3	125 300	210 600*													32,0
34,0	68,4	132,5	114 600	196 900*													34,0
36,0	66,5	131,6	105 200	184 600*													36,0
38,0	64,6	130,7	96 900	173 600*													38,0
40,0	62,7	129,7	89 400	163 600*	68,2	131,6	70 400	150 900*									40,0
42,0	60,7	128,5	82 800	154 600*	66,4	130,7	64 700	142 500*									42,0
44,0	58,7	127,3	76 700	146 400*	64,5	129,8	59 600	134 700*									44,0
46,0	56,7	126,0	71 200	138 800*	62,5	128,7	55 000	127 600*									46,0
48,0	54,6	124,6	66 200	131 800*	60,6	127,6	50 700	120 900*									48,0
50,0	52,5	123,1	61 600	125 200*	58,6	126,4	46 800	114 800*									50,0
52,0	50,2	121,4	57 400	119 200*	56,5	125,1	43 300	109 100*	62,3	127,3	29 100	99 200*					52,0
54,0	48,0	119,7	53 500	113 500*	54,4	123,7	39 900	103 900*	60,3	126,1	26 400	94 400*					54,0
56,0	45,6	117,7	49 900	108 300*	52,3	122,1	36 900	99 100*	58,3	124,9	23 900	89 900*					56,0
58,0	43,1	115,6	46 500	103 400*	50,1	120,5	34 000	94 500*	56,3	123,6	21 500	85 700*					58,0
60,0	40,5	113,3	43 300	98 800*	47,8	118,7	31 300	90 300*	54,2	122,1	19 300	81 700*					60,0
62,0	37,7	110,8	40 300	94 500*	45,4	116,7	28 800	86 300*	52,0	120,6	17 300	78 100*	57,9	122,8	5 900	70 000*	62,0
64,0	34,8	107,9	37 500	90 500*	42,9	114,6	26 400	82 600*	49,8	118,9	15 300	74 600*	55,9	121,5	4 400	66 800*	64,0
66,0	31,6	104,8	34 800	86 700*	40,3	112,3	24 200	79 100*	47,5	117,1	13 500	71 400*	53,8	120,0	2 900	63 800*	66,0
68,0	28,0	101,2	32 300	83 000*	37,5	109,7	22 100	75 700*	45,1	115,1	11 800	68 300*	51,6	118,4	1 500	61 000*	68,0
70,0	24,0	96,9	29 800	79 600*	34,5	106,9	20 100	72 600*	42,6	113,0	10 100	65 400*	49,3	116,7	200	58 300*	70,0
72,0	19,2	91,6	27 400	76 200*	31,3	103,7	18 100	69 600*	39,9	110,6	8 600	62 700*	47,0	114,9		55 800*	72,0
74,0	12,6	84,2	24 800	72 900*	27,7	100,0	16 200	66 700*	37,1	108,0	7 000	60 000*	44,6	112,9		53 400*	74,0
76,0					23,7	95,7	14 400	63 900*	34,1	105,2	5 600	57 600*	42,1	110,7		51 100*	76,0
80,0									27,3	98,2	2 800	52 800*	36,6	105,7		46 900*	80,0
84,0									18,0	88,2		48 400*	30,2	99,4		42 900*	84,0
88,0													22,2	90,9		39 300*	88,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

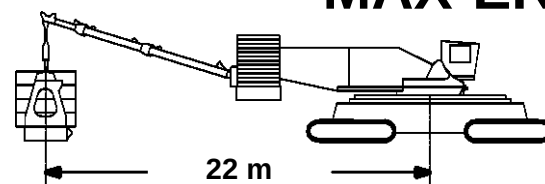
CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

21000
MAX-ER



67,1 m Boom, 73,2 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
29,0	74,4	140,7	143 300	191 000*													29,0
30,0	73,6	140,4	136 200	191 000*													30,0
32,0	71,9	139,8	123 800	191 000*													32,0
34,0	70,3	139,1	113 000	190 300*													34,0
36,0	68,6	138,3	103 600	183 900*													36,0
38,0	66,9	137,4	95 200	172 000*													38,0
40,0	65,1	136,5	87 800	162 100*													40,0
42,0	63,4	135,5	81 100	153 100*	68,4	137,4	62 800	140 800*									42,0
44,0	61,6	134,4	75 100	144 900*	66,7	136,5	57 600	133 100*									44,0
46,0	59,8	133,3	69 600	137 300*	65,0	135,6	53 000	125 900*									46,0
48,0	58,0	132,0	64 600	130 400*	63,3	134,6	48 700	119 300*									48,0
50,0	56,1	130,7	60 000	123 800*	61,5	133,5	44 900	113 200*									50,0
52,0	54,1	129,2	55 800	117 800*	59,7	132,3	41 300	107 600*	64,8	134,1	27 000	97 500*					52,0
54,0	52,2	127,7	51 900	112 200*	57,8	131,1	38 000	102 400*	63,0	133,1	24 200	92 600*					54,0
56,0	50,1	126,0	48 300	106 900*	55,9	129,7	34 900	97 500*	61,3	132,0	21 700	88 200*					56,0
58,0	48,0	124,3	44 900	102 100*	54,0	128,3	32 100	93 000*	59,4	130,8	19 400	84 000*					58,0
60,0	45,9	122,3	41 800	97 500*	52,0	126,7	29 500	88 800*	57,6	129,6	17 200	80 100*					60,0
62,0	43,6	120,3	38 800	93 300*	50,0	125,1	27 000	84 800*	55,7	128,2	15 200	76 500*					62,0
64,0	41,3	118,0	36 100	89 300*	47,9	123,3	24 600	81 200*	53,8	126,8	13 300	73 000*	59,1	128,8	2 000	65 000*	64,0
66,0	38,8	115,6	33 500	85 500*	45,7	121,3	22 400	77 600*	51,8	125,2	11 500	69 800*	57,2	127,5		62 000*	66,0
68,0	36,2	112,9	31 000	81 900*	43,4	119,3	20 400	74 400*	49,7	123,5	9 800	66 800*	55,3	126,1		59 200*	68,0
70,0	33,3	109,9	28 600	78 500*	41,1	117,0	18 400	71 200*	47,6	121,7	8 200	63 900*	53,4	124,6		56 600*	70,0
72,0	30,3	106,6	26 400	75 300*	38,6	114,5	16 500	68 300*	45,4	119,8	6 600	61 200*	51,4	123,1		54 100*	72,0
74,0	27,0	102,8	24 200	72 300*	35,9	111,8	14 800	65 500*	43,1	117,7	5 200	58 600*	49,3	121,3		51 800*	74,0
76,0	23,1	98,3	22 100	69 300*	33,1	108,8	13 000	62 800*	40,8	115,4	3 800	56 100*	47,2	119,5		49 500*	76,0
80,0					26,7	101,6	9 800	57 800*	35,6	110,1		51 600*	42,7	115,4		45 300*	80,0
84,0					18,2	91,6	6 600	53 100*	29,7	103,7		47 400*	37,8	110,5		41 500*	84,0
88,0									22,3	95,2		43 400*	32,2	104,6		38 000*	88,0
92,0													25,5	97,1		34 600*	92,0
96,0													16,4	86,2		31 400*	96,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

CAUTION: Do not luff into area indicated by (c) with 16 780 kg 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

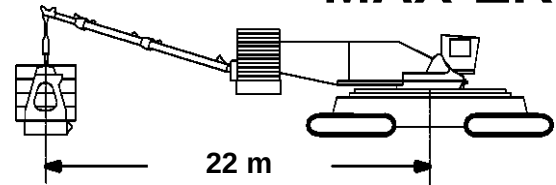
208 060 kg Crane Counterweight

90 720 kg Carbody Counterweight

112 170 kg Hanging Counterweight

at 22 m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

 Meets
ANSI B30.5
Requirements


67,1 m Boom, 79,2 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms		
30,5	74,5	146,6	131 200	168 100*													30,5
32,0	73,4	146,2	122 000	168 100*													32,0
34,0	71,8	145,5	111 200	168 100*													34,0
36,0	70,3	144,8	101 800	168 100*													36,0
38,0	68,8	144,0	93 400	167 600*													38,0
40,0	67,2	143,2	85 900	160 600*													40,0
42,0	65,6	142,3	79 200	151 400*													42,0
44,0	64,0	141,3	73 200	143 200*	68,6	143,1	55 300	131 200*									44,0
46,0	62,4	140,3	67 800	135 700*	67,1	142,3	50 700	124 000*									46,0
48,0	60,7	139,1	62 800	128 800*	65,5	141,4	46 500	117 500*									48,0
50,0	59,0	138,0	58 200	122 300*	63,9	140,4	42 600	111 400*									50,0
52,0	57,3	136,7	54 000	116 200*	62,2	139,4	39 100	105 800*									52,0
54,0	55,6	135,3	50 100	110 600*	60,6	138,2	35 800	100 600*									54,0
56,0	53,8	133,9	46 500	105 400*	58,9	137,0	32 800	95 800*	63,7	138,9	19 200	86 200*					56,0
58,0	51,9	132,3	43 100	100 600*	57,2	135,8	29 900	91 200*	62,0	137,9	16 900	82 000*					58,0
60,0	50,0	130,6	40 000	96 100*	55,4	134,4	27 300	87 100*	60,4	136,8	14 700	78 100*					60,0
62,0	48,1	128,9	37 100	91 800*	53,6	132,9	24 900	83 200*	58,7	135,5	12 700	74 500*					62,0
64,0	46,1	126,9	34 300	87 900*	51,8	131,3	22 500	79 500*	56,9	134,2	10 800	71 100*					64,0
66,0	44,0	124,9	31 800	84 100*	49,9	129,7	20 400	76 000*	55,2	132,9	9 100	67 900*					66,0
68,0	41,9	122,7	29 300	80 600*	48,0	127,9	18 300	72 700*	53,4	131,4	7 400	64 900*	58,3	133,5	57 200*		68,0
70,0	39,6	120,3	27 100	77 200*	46,0	126,0	16 400	69 600*	51,6	129,8	5 800	62 100*	56,6	132,1	54 600*		70,0
72,0	37,3	117,7	24 900	74 100*	43,9	123,9	14 600	66 700*	49,7	128,1	4 300	59 400*	54,8	130,7	52 100*		72,0
74,0	34,8	114,9	22 800	71 100*	41,7	121,7	12 800	63 900*	47,7	126,3	2 900	56 800*	53,0	129,2	49 800*		74,0
76,0	32,1	111,8	20 800	68 200*	39,5	119,3	11 200	61 300*	45,7	124,4	1 600	54 400*	51,2	127,7	47 600*		76,0
80,0	26,0	104,4	17 000	62 800*	34,6	113,8	8 000	56 400*	41,4	120,1		49 900*	47,3	124,1	43 400*		80,0
84,0	18,0	94,1	13 400	57 800*	29,0	107,2	5 200	51 900*	36,8	115,0		45 800*	43,2	120,1	39 700*		84,0
88,0					22,1	98,5	2 400	47 700*	31,5	109,0		42 000*	38,7	115,3	36 200*		88,0
92,0									25,3	101,3		38 500*	33,7	109,7	33 000*		92,0
96,0									17,0	90,6		35 100*	28,0	102,8	30 100*		96,0
100,0													20,8	93,7	26 900*		100,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

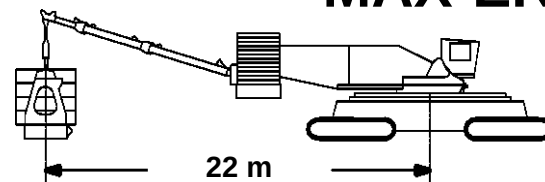
CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

21000
MAX-ER



67,1 m Boom, 85,3 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
32,0	74,6	152,5	121 300	147 500*									32,0
34,0	73,2	151,9	110 400	147 500*									34,0
36,0	71,8	151,3	100 800	147 500*									36,0
38,0	70,3	150,6	92 300	147 500*									38,0
40,0	68,9	149,8	84 800	147 500*									40,0
42,0	67,4	149,0	78 100	146 100*									42,0
44,0	66,0	148,1	72 000	141 600*									44,0
46,0	64,5	147,1	66 400	134 300*	68,8	148,9	49 100	122 500*					46,0
48,0	63,0	146,1	61 400	127 400*	67,3	148,1	44 800	115 900*					48,0
50,0	61,5	145,0	56 800	121 000*	65,9	147,2	40 900	109 800*					50,0
52,0	59,9	143,9	52 600	114 900*	64,4	146,2	37 400	104 300*					52,0
54,0	58,3	142,6	48 700	109 300*	62,9	145,2	34 100	99 100*					54,0
56,0	56,7	141,3	45 100	104 100*	61,3	144,1	31 000	94 300*					56,0
58,0	55,1	139,9	41 700	99 300*	59,8	142,9	28 200	89 800*	64,2	144,8	14 900	80 400*	58,0
60,0	53,4	138,5	38 600	94 800*	58,2	141,7	25 600	85 700*	62,7	143,7	12 700	76 500*	60,0
62,0	51,7	136,9	35 700	90 600*	56,6	140,4	23 100	81 700*	61,1	142,6	10 700	73 000*	62,0
64,0	50,0	135,2	32 900	86 600*	55,0	139,0	20 900	78 100*	59,6	141,5	8 900	69 500*	64,0
66,0	48,2	133,5	30 400	82 900*	53,3	137,5	18 700	74 600*	58,0	140,2	7 100	66 400*	66,0
68,0	46,3	131,6	28 000	79 400*	51,6	135,9	16 700	71 400*	56,4	138,9	5 500	63 400*	68,0
70,0	44,4	129,6	25 700	76 100*	49,8	134,3	14 700	68 300*	54,8	137,5	3 900	60 600*	70,0
72,0	42,4	127,4	23 500	72 900*	48,0	132,5	13 000	65 400*	53,1	136,0	2 400	57 900*	72,0
74,0	40,4	125,1	21 500	70 000*	46,2	130,6	11 200	62 600*	51,4	134,4	1 000	55 400*	74,0
76,0	38,2	122,6	19 500	67 100*	44,3	128,6	9 600	60 000*	49,6	132,7		53 000*	76,0
80,0	33,6	116,9	15 900	61 900*	40,2	124,0	6 600	55 200*	45,9	129,0		48 500*	80,0
84,0	28,2	110,0	12 500	57 000*	35,8	118,8	3 800	50 800*	42,0	124,8		44 400*	84,0
88,0	21,7	101,2	9 300	52 600*	30,8	112,5	1 100	46 700*	37,8	119,9		40 700*	88,0
92,0					24,9	104,8		42 900*	33,1	114,1		37 300*	92,0
96,0					17,2	94,0		39 300*	27,6	107,1		34 100*	96,0
100,0									20,9	97,9		31 100*	100,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

CAUTION: Do not luff into area indicated by (c) with 16 780 kg 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

208 060 kg Crane Counterweight

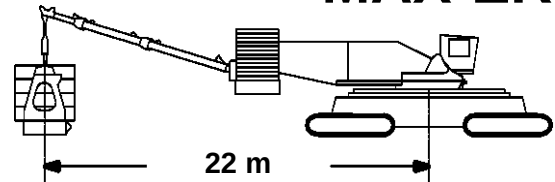
90 720 kg Carbody Counterweight

112 170 kg Hanging Counterweight

at 22 m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



67,1 m Boom, 91,4 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
35,1	73,6	158,0	103 300	130 000*									35,1
36,0	73,0	157,7	99 000	130 000*									36,0
38,0	71,7	157,0	90 400	130 000*									38,0
40,0	70,4	156,3	82 900	130 000*									40,0
42,0	69,0	155,6	76 100	130 000*									42,0
44,0	67,7	154,7	70 000	130 000*									44,0
46,0	66,3	153,9	64 500	128 000*									46,0
48,0	64,9	152,9	59 500	124 400*	68,9	154,7	42 500	114 000*					48,0
50,0	63,5	151,9	54 900	119 400*	67,6	153,9	38 600	108 000*					50,0
52,0	62,1	150,9	50 600	113 300*	66,2	153,0	35 100	102 400*					52,0
54,0	60,7	149,8	46 700	107 700*	64,8	152,0	31 800	97 300*					54,0
56,0	59,2	148,6	43 100	102 600*	63,4	151,0	28 800	92 500*					56,0
58,0	57,7	147,3	39 800	97 700*	62,0	150,0	26 000	88 000*					58,0
60,0	56,2	146,0	36 700	93 200*	60,6	148,8	23 400	83 900*	64,6	150,6	10 200	74 600*	60,0
62,0	54,7	144,6	33 800	89 000*	59,1	147,6	20 900	80 000*	63,2	149,6	8 200	71 000*	62,0
64,0	53,1	143,1	31 000	85 100*	57,6	146,4	18 600	76 300*	61,8	148,5	6 400	67 600*	64,0
66,0	51,5	141,5	28 500	81 400*	56,1	145,1	16 500	72 900*	60,4	147,4	4 600	64 500*	66,0
68,0	49,9	139,8	26 100	77 900*	54,6	143,6	14 500	69 600*	58,9	146,2	3 000	61 500*	68,0
70,0	48,2	138,1	23 800	74 600*	53,0	142,1	12 600	66 600*	57,4	144,9	1 400	58 700*	70,0
72,0	46,5	136,2	21 700	71 500*	51,4	140,6	10 800	63 700*	55,9	143,5		56 000*	72,0
74,0	44,7	134,2	19 700	68 300*	49,8	138,9	9 100	61 000*	54,4	142,1		53 500*	74,0
76,0	42,9	132,1	17 700	64 600*	48,1	137,1	7 500	58 400*	52,8	140,6		51 100*	76,0
80,0	39,0	127,3	14 100	57 800*	44,6	133,2	4 500	53 600*	49,6	137,3		46 700*	80,0
84,0	34,8	121,9	10 900	51 400*	40,9	128,8	1 800	49 200*	46,2	133,6		42 700*	84,0
88,0	30,0	115,4	7 800	45 600*	36,8	123,7		45 200*	42,5	129,4		39 000*	88,0
92,0	24,4	107,4	5 000	40 200*	32,3	117,7		41 500*	38,6	124,7		35 600*	92,0
96,0	17,2	96,6	2 200	35 700*	27,2	110,5		38 000*	34,3	119,1		32 500*	96,0
100,0					20,8	101,3		34 800*	29,5	112,5		29 600*	100,0
104,0									23,8	104,3		26 800*	104,0

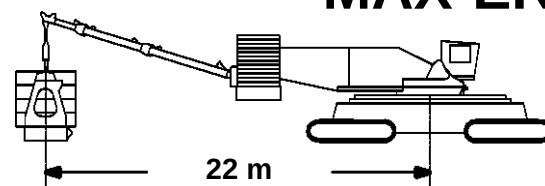
NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



21000
MAX-ER

73,2 m Boom, 36,6 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
19,8				c													19,8
20,0				c													20,0
22,0				c													22,0
24,0				c													24,0
26,0	63,7	108,9	172 400	270 000*b													26,0
28,0	60,1	107,8	155 900	249 500*b													28,0
30,0	56,3	106,5	141 900	231 600*b													30,0
32,0	52,4	105,0	129 700	216 000*b	64,3	108,2	106 500	200 600*b									32,0
34,0	48,2	103,2	119 100	202 000*	60,7	107,1	97 500	187 700*b									34,0
36,0	43,7	101,2	109 600	189 600*	57,0	105,8	89 600	176 100*b									36,0
38,0	38,8	98,8	101 100	178 300*	53,1	104,4	82 500	165 700*b									38,0
40,0	33,3	95,8	93 400	168 000*	49,0	102,7	76 100	156 300*	61,2	105,8	58 200	144 100*b					40,0
42,0	26,7	92,1	86 300	158 600*	44,6	100,7	70 300	147 600*	57,5	104,6	53 500	135 900*b					42,0
44,0	17,8	86,8	79 400	149 800*	39,8	98,3	64 900	139 600*	53,7	103,1	49 200	128 400*b					44,0
46,0					34,4	95,5	60 000	132 100*	49,6	101,4	45 200	121 600*					46,0
48,0					28,0	92,0	55 300	125 100*	45,2	99,5	41 600	115 300*	57,8	102,7	27 300	105 200*b	48,0
50,0					19,8	87,1	50 700	118 500*	40,4	97,2	38 200	109 400*	53,9	101,2	24 700	99 800*b	50,0
52,0									35,1	94,5	34 900	104 000*	49,8	99,6	22 200	94 900*	52,0
54,0									29,0	91,1	31 800	98 800*	45,5	97,6	19 900	90 300*	54,0
56,0									21,1	86,5	28 600	93 900*	40,7	95,4	17 700	86 000*	56,0
58,0													35,5	92,7	15 500	81 900*	58,0
60,0													29,4	89,3	13 400	78 000*	60,0
62,0													21,6	84,8	11 200	74 200*	62,0
64,0													7,8	76,2	8 400	70 100*	64,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

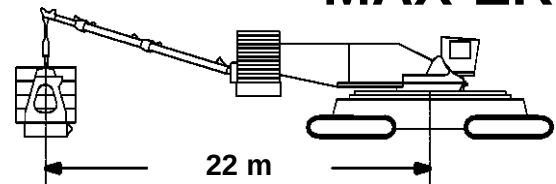
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



73,2 m Boom, 42,7 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
21,3				c													21,3
22,0				c													22,0
24,0				c													24,0
26,0	67,7	115,7	171 800	268 500*b													26,0
28,0	64,7	114,8	155 300	248 100*b													28,0
30,0	61,7	113,7	141 200	230 300*b													30,0
32,0	58,5	112,5	129 100	214 800*b	68,2	115,0	104 700	198 700*b									32,0
34,0	55,3	111,1	118 500	200 900*	65,3	114,1	95 800	185 900*b									34,0
36,0	51,9	109,6	109 100	188 600*	62,3	113,0	87 900	174 400*b									36,0
38,0	48,3	107,8	100 800	177 400*	59,1	111,8	80 900	164 100*b									38,0
40,0	44,5	105,8	93 300	167 400*	55,9	110,5	74 700	154 800*									40,0
42,0	40,4	103,5	86 500	158 200*	52,5	109,0	69 000	146 300*	62,7	111,7	51 300	134 000*b					42,0
44,0	36,0	100,8	80 300	149 800*	49,0	107,2	63 800	138 500*	59,6	110,5	47 100	126 600*b					44,0
46,0	30,9	97,7	74 500	142 000*	45,2	105,3	59 100	131 100*	56,3	109,2	43 200	119 900*					46,0
48,0	24,9	93,7	69 100	134 600*	41,2	103,1	54 700	124 300*	53,0	107,7	39 700	113 700*					48,0
50,0	16,8	88,0	63 800	127 500*	36,8	100,5	50 600	118 100*	49,5	106,0	36 500	108 000*					50,0
52,0					31,9	97,4	46 800	112 200*	45,8	104,1	33 400	102 700*	56,5	107,3	19 800	93 000*	52,0
54,0					26,1	93,6	43 200	106 700*	41,8	101,9	30 600	97 700*	53,2	105,8	17 600	88 500*	54,0
56,0					18,6	88,4	39 500	101 500*	37,4	99,4	27 900	93 100*	49,7	104,2	15 600	84 300*	56,0
58,0									32,6	96,4	25 300	88 800*	46,0	102,2	13 600	80 300*	58,0
60,0									27,0	92,7	22 800	84 600*	42,0	100,1	11 800	76 700*	60,0
62,0									19,8	87,8	20 300	80 600*	37,7	97,6	10 000	73 200*	62,0
64,0									6,8	78,3	17 200	76 300*	32,9	94,6	8 300	69 900*	64,0
66,0													27,3	90,9	6 500	66 700*	66,0
68,0													20,3	86,1	4 700	63 500*	68,0
70,0													8,2	77,4	2 400	60 100*	70,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

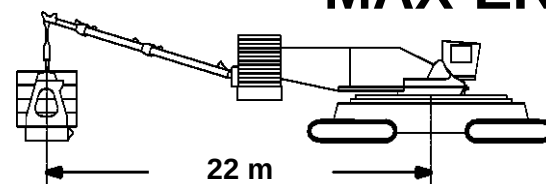
CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



73,2 m Boom, 48,8 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
22,9				c													22,9
24,0				c													24,0
26,0	70,6	122,3	171 000	267 300*b													26,0
28,0	68,1	121,5	154 500	247 000*b													28,0
30,0	65,5	120,6	140 400	229 300*b													30,0
32,0	62,9	119,6	128 300	213 800*b													32,0
34,0	60,2	118,4	117 800	200 000*	68,6	120,7	94 400	184 600*b									34,0
36,0	57,4	117,2	108 500	187 700*	66,0	119,8	86 500	173 100*b									36,0
38,0	54,5	115,7	100 200	176 600*	63,4	118,8	79 600	162 800*b									38,0
40,0	51,5	114,2	92 800	166 700*	60,7	117,7	73 400	153 600*									40,0
42,0	48,4	112,4	86 100	157 600*	57,9	116,5	67 800	145 200*									42,0
44,0	45,1	110,4	80 000	149 300*	55,1	115,1	62 700	137 400*									44,0
46,0	41,6	108,2	74 400	141 600*	52,1	113,6	58 100	130 200*	61,1	116,4	41 600	118 500*					46,0
48,0	37,8	105,7	69 300	134 500*	49,0	111,8	53 800	123 500*	58,3	115,2	38 200	112 400*					48,0
50,0	33,7	102,8	64 600	127 800*	45,7	109,9	49 900	117 300*	55,4	113,8	35 000	106 700*					50,0
52,0	29,0	99,4	60 200	121 500*	42,3	107,8	46 300	111 600*	52,5	112,3	32 100	101 500*					52,0
54,0	23,5	95,1	55 900	115 600*	38,6	105,3	42 900	106 300*	49,4	110,6	29 400	96 700*	58,5	113,3	15 800	87 100*	54,0
56,0	16,1	89,2	51 700	110 000*	34,5	102,5	39 700	101 400*	46,2	108,8	26 800	92 200*	55,6	111,9	13 800	82 900*	56,0
58,0					29,9	99,2	36 600	96 700*	42,8	106,6	24 400	87 900*	52,7	110,4	12 000	79 100*	58,0
60,0					24,6	95,1	33 700	92 200*	39,1	104,2	22 100	83 900*	49,6	108,8	10 300	75 500*	60,0
62,0					17,7	89,6	30 700	88 000*	35,1	101,4	20 000	80 200*	46,4	106,9	8 600	72 100*	62,0
64,0					2,6	76,9	26 900	83 300*	30,6	98,2	17 900	76 600*	43,0	104,8	7 000	68 900*	64,0
66,0									25,4	94,2	15 800	73 200*	39,3	102,4	5 500	65 800*	66,0
68,0									18,8	89,0	13 700	69 900*	35,3	99,6	4 100	63 000*	68,0
70,0									7,4	79,5	11 100	66 300*	30,9	96,4	2 700	60 200*	70,0
72,0													25,7	92,5	1 200	57 500*	72,0
74,0													19,2	87,4		54 900*	74,0
76,0													8,6	78,5		52 000*	76,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

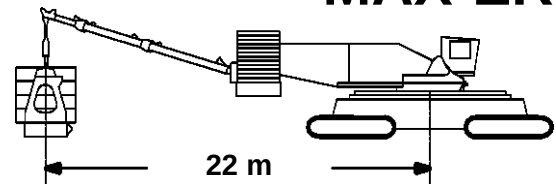
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



73,2 m Boom, 54,9 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
24,4				^c													24,4
26,0	72,9	128,7	170 200	254 900* ^b													26,0
28,0	70,7	128,0	153 500	246 600* ^b													28,0
30,0	68,4	127,2	139 400	227 600* ^b													30,0
32,0	66,1	126,4	127 200	212 100* ^b													32,0
34,0	63,8	125,4	116 600	198 400*													34,0
36,0	61,4	124,3	107 200	186 100*	68,8	126,5	84 600	171 100* ^b									36,0
38,0	59,0	123,1	98 900	175 100*	66,6	125,6	77 600	160 900* ^b									38,0
40,0	56,5	121,8	91 600	165 200*	64,2	124,7	71 400	151 700*									40,0
42,0	53,9	120,3	84 900	156 100*	61,9	123,6	65 800	143 300*									42,0
44,0	51,2	118,8	78 800	147 900*	59,4	122,4	60 800	135 700*									44,0
46,0	48,5	117,0	73 300	140 400*	57,0	121,2	56 200	128 500*	64,5	123,4	39 100	116 500*					46,0
48,0	45,6	115,1	68 300	133 400*	54,4	119,7	52 000	121 800*	62,2	122,3	35 700	110 400*					48,0
50,0	42,5	112,9	63 600	126 700*	51,8	118,2	48 200	115 800*	59,8	121,2	32 600	104 800*					50,0
52,0	39,2	110,5	59 400	120 600*	49,0	116,4	44 600	110 100*	57,3	119,9	29 700	99 600*					52,0
54,0	35,7	107,8	55 400	114 900*	46,1	114,6	41 300	104 900*	54,7	118,5	27 100	94 800*					54,0
56,0	31,9	104,7	51 600	109 600*	43,1	112,4	38 200	100 000*	52,1	116,9	24 600	90 400*					56,0
58,0	27,5	101,0	48 000	104 600*	39,9	110,1	35 300	95 500*	49,4	115,2	22 300	86 200*	57,4	118,0	9 400	77 000*	58,0
60,0	22,3	96,5	44 600	99 800*	36,4	107,4	32 500	91 200*	46,5	113,4	20 100	82 300*	54,9	116,6	7 700	73 500*	60,0
62,0	15,5	90,3	41 100	95 200*	32,6	104,4	30 000	87 200*	43,5	111,3	18 100	78 600*	52,3	115,0	6 100	70 100*	62,0
64,0					28,4	100,9	27 400	83 300*	40,3	109,0	16 100	75 200*	49,5	113,3	4 600	67 000*	64,0
66,0					23,4	96,6	25 000	79 700*	36,9	106,4	14 300	71 900*	46,7	111,5	3 200	64 000*	66,0
68,0					17,0	90,8	22 500	76 100*	33,1	103,4	12 400	68 800*	43,7	109,4	1 900	61 200*	68,0
70,0					4,7	79,2	19 300	72 200*	29,0	99,9	10 700	65 900*	40,5	107,1	600	58 600*	70,0
72,0									24,1	95,7	9 000	63 000*	37,1	104,5		56 000*	72,0
74,0									18,0	90,2	7 200	60 200*	33,4	101,6		53 600*	74,0
76,0									7,8	80,7	5 000	57 200*	29,2	98,2		51 300*	76,0
80,0													18,4	88,6		46 700*	80,0

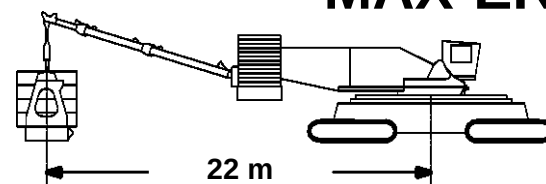
NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



21000
MAX-ER

73,2 m Boom, 61,0 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
25,9	74,7	135,1	169 900	225 100 b													25,9
26,0	74,6	135,1	169 100	225 100 b													26,0
28,0	72,7	134,5	152 300	225 100 b													28,0
30,0	70,7	133,8	138 200	223 200 b													30,0
32,0	68,7	133,0	126 000	210 800*													32,0
34,0	66,6	132,2	115 400	197 100*													34,0
36,0	64,5	131,2	106 000	184 900*													36,0
38,0	62,4	130,2	97 700	173 900*													38,0
40,0	60,2	129,0	90 300	164 000*	67,0	131,4	69 700	150 200*									40,0
42,0	58,0	127,8	83 700	155 000*	64,9	130,5	64 200	141 900*									42,0
44,0	55,8	126,4	77 700	146 800*	62,8	129,5	59 200	134 300*									44,0
46,0	53,4	125,0	72 200	139 300*	60,7	128,4	54 600	127 100*									46,0
48,0	51,0	123,4	67 200	132 300*	58,4	127,1	50 400	120 500*									48,0
50,0	48,5	121,6	62 600	125 700*	56,2	125,8	46 600	114 500*	63,1	128,2	30 700	103 300*					50,0
52,0	45,9	119,7	58 400	119 700*	53,9	124,3	43 100	108 900*	60,9	127,1	27 900	98 100*					52,0
54,0	43,2	117,6	54 500	114 100*	51,5	122,8	39 900	103 700*	58,7	125,8	25 200	93 400*					54,0
56,0	40,3	115,3	50 800	108 800*	49,0	121,1	36 800	98 900*	56,5	124,5	22 800	89 000*					56,0
58,0	37,3	112,7	47 400	103 900*	46,4	119,2	34 000	94 400*	54,2	123,1	20 600	84 800*					58,0
60,0	33,9	109,8	44 100	99 300*	43,7	117,1	31 300	90 200*	51,8	121,5	18 500	81 000*	58,9	123,9	5 600	71 900*	60,0
62,0	30,3	106,5	41 100	95 000*	40,9	114,8	28 800	86 200*	49,3	119,8	16 500	77 400*	56,6	122,6	4 100	68 600*	62,0
64,0	26,2	102,6	38 200	90 900*	37,8	112,3	26 500	82 500*	46,8	118,0	14 600	74 000*	54,3	121,2	2 700	65 500*	64,0
66,0	21,4	97,9	35 400	87 000*	34,6	109,5	24 200	79 000*	44,1	115,9	12 800	70 700*	51,9	119,6	1 400	62 600*	66,0
68,0	15,0	91,4	32 500	83 100*	31,0	106,3	22 100	75 600*	41,3	113,7	11 100	67 700*	49,5	117,9		59 800*	68,0
70,0					27,0	102,5	20 000	72 400*	38,3	111,2	9 500	64 900*	46,9	116,1		57 200*	70,0
72,0					22,4	98,0	18 000	69 400*	35,0	108,4	7 900	62 100*	44,2	114,1		54 700*	72,0
74,0					16,4	92,0	15 900	66 400*	31,5	105,3	6 400	59 500*	41,4	111,8		52 400*	74,0
76,0					5,7	80,7	13 200	63 000*	27,6	101,6	5 000	57 000*	38,4	109,4		50 200*	76,0
80,0									17,3	91,4		52 100*	31,7	103,5		45 900*	80,0
84,0													23,3	95,5		42 000*	84,0
88,0													8,9	80,7		37 900*	88,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

CAUTION: Do not luff into area indicated by (c) with 16 780 kg 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

208 060 kg Crane Counterweight

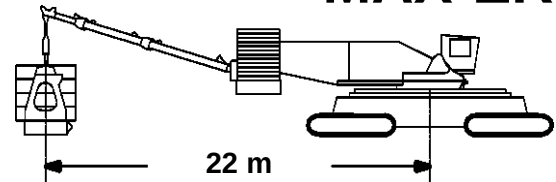
90 720 kg Carbody Counterweight

112 170 kg Hanging Counterweight

at 22 m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



73,2 m Boom, 67,1 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms		
27,4	74,8	141,1	155 100	198 700*b												27,4	
28,0	74,3	140,9	150 800	198 700*b												28,0	
30,0	72,5	140,3	136 400	198 700*b												30,0	
32,0	70,7	139,6	124 200	198 700*												32,0	
34,0	68,9	138,8	113 500	193 600*												34,0	
36,0	67,0	137,9	104 200	183 500*												36,0	
38,0	65,1	137,0	95 900	172 200*												38,0	
40,0	63,2	136,0	88 500	162 300*	69,2	138,0	67 300	148 200*								40,0	
42,0	61,3	134,9	81 900	153 400*	67,3	137,2	61 800	139 900*								42,0	
44,0	59,3	133,7	75 900	145 200*	65,5	136,3	56 800	132 300*								44,0	
46,0	57,2	132,5	70 500	137 700*	63,6	135,3	52 300	125 200*								46,0	
48,0	55,2	131,1	65 500	130 800*	61,6	134,2	48 200	118 700*								48,0	
50,0	53,0	129,6	60 900	124 300*	59,6	133,1	44 400	112 700*								50,0	
52,0	50,8	128,0	56 700	118 300*	57,6	131,8	40 900	107 100*	63,8	134,0	25 200	96 000*				52,0	
54,0	48,6	126,2	52 800	112 700*	55,6	130,4	37 700	102 000*	61,9	132,9	22 600	91 300*				54,0	
56,0	46,2	124,3	49 200	107 500*	53,4	129,0	34 700	97 200*	59,9	131,8	20 300	86 900*				56,0	
58,0	43,8	122,3	45 800	102 600*	51,3	127,4	31 900	92 700*	57,9	130,5	18 000	82 900*				58,0	
60,0	41,2	120,0	42 700	98 100*	49,0	125,7	29 400	88 600*	55,8	129,2	16 000	79 000*				60,0	
62,0	38,5	117,5	39 700	93 800*	46,7	123,8	26 900	84 600*	53,7	127,7	14 000	75 500*				62,0	
64,0	35,6	114,8	37 000	89 800*	44,2	121,8	24 600	81 000*	51,5	126,1	12 200	72 100*	58,0	128,6	63 400*	64,0	
66,0	32,4	111,7	34 300	86 000*	41,7	119,5	22 400	77 500*	49,3	124,4	10 500	68 900*	56,0	127,3	60 500*	66,0	
68,0	29,0	108,2	31 800	82 400*	39,0	117,1	20 300	74 200*	47,0	122,6	8 800	66 000*	53,9	125,8	57 800*	68,0	
70,0	25,1	104,2	29 300	79 000*	36,1	114,4	18 400	71 100*	44,6	120,6	7 300	63 100*	51,7	124,2	55 200*	70,0	
72,0	20,6	99,2	26 900	75 600*	33,0	111,4	16 500	68 200*	42,0	118,4	5 800	60 500*	49,4	122,6	52 800*	72,0	
74,0	14,6	92,6	24 500	72 400*	29,7	108,0	14 800	65 300*	39,4	116,0	4 400	57 900*	47,1	120,7	50 500*	74,0	
76,0					25,9	104,1	13 000	62 600*	36,5	113,3	3 000	55 500*	44,7	118,7	48 300*	76,0	
80,0					15,9	93,1	9 300	57 400*	30,1	107,1		50 900*	39,5	114,2	44 200*	80,0	
84,0									22,1	98,6		46 700*	33,7	108,6	40 400*	84,0	
88,0									8,3	83,0		42 400*	26,7	101,5	36 900*	88,0	
92,0													17,1	91,1	33 500*	92,0	

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

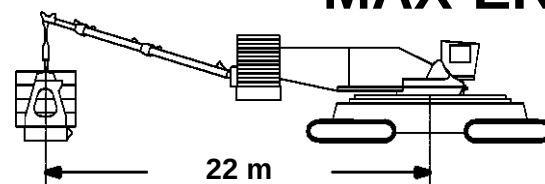
CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

21000
MAX-ER



73,2 m Boom, 73,2 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms		
29,0	74,8	147,0	142 100	176 200*b												29,0	
30,0	74,0	146,6	135 000	176 200*												30,0	
32,0	72,4	146,0	122 600	176 200*												32,0	
34,0	70,7	145,3	111 900	176 200*												34,0	
36,0	69,0	144,6	102 500	173 600*												36,0	
38,0	67,3	143,7	94 200	167 900*												38,0	
40,0	65,6	142,8	86 800	161 000*												40,0	
42,0	63,9	141,8	80 200	151 800*												42,0	
44,0	62,1	140,8	74 200	143 700*	67,6	143,0	54 800	130 600*								44,0	
46,0	60,3	139,6	68 800	136 200*	65,9	142,1	50 300	123 600*								46,0	
48,0	58,5	138,4	63 800	129 300*	64,2	141,1	46 200	117 100*								48,0	
50,0	56,6	137,1	59 200	122 900*	62,4	140,1	42 400	111 100*								50,0	
52,0	54,7	135,7	55 100	116 900*	60,6	139,0	38 900	105 500*								52,0	
54,0	52,7	134,2	51 200	111 300*	58,8	137,8	35 700	100 400*	64,4	139,8	20 400	89 600*				54,0	
56,0	50,7	132,6	47 600	106 100*	56,9	136,5	32 800	95 600*	62,7	138,8	18 000	85 200*				56,0	
58,0	48,6	130,8	44 300	101 300*	55,0	135,1	30 000	91 200*	60,9	137,7	15 800	81 200*				58,0	
60,0	46,5	128,9	41 100	96 800*	53,1	133,6	27 400	87 000*	59,0	136,5	13 800	77 300*				60,0	
62,0	44,2	126,9	38 200	92 500*	51,1	132,0	25 000	83 100*	57,2	135,2	11 900	73 800*				62,0	
64,0	41,9	124,7	35 500	88 600*	49,0	130,2	22 800	79 500*	55,3	133,8	10 100	70 500*				64,0	
66,0	39,4	122,3	32 900	84 800*	46,9	128,4	20 600	76 100*	53,3	132,3	8 400	67 300*	59,2	134,6	58 700*	66,0	
68,0	36,9	119,7	30 400	81 300*	44,6	126,4	18 600	72 800*	51,3	130,7	6 800	64 400*	57,3	133,3	56 000*	68,0	
70,0	34,1	116,8	28 100	77 900*	42,3	124,2	16 700	69 700*	49,3	129,0	5 300	61 600*	55,4	131,9	53 500*	70,0	
72,0	31,1	113,6	25 900	74 700*	39,9	121,9	14 900	66 800*	47,1	127,2	3 900	58 900*	53,5	130,4	51 100*	72,0	
74,0	27,9	109,9	23 800	71 700*	37,4	119,3	13 200	64 100*	44,9	125,2	2 500	56 400*	51,5	128,9	48 800*	74,0	
76,0	24,2	105,7	21 700	68 800*	34,6	116,4	11 500	61 400*	42,6	123,1	1 200	54 000*	49,4	127,2	46 600*	76,0	
80,0					28,5	109,7	8 400	56 500*	37,7	118,2		49 500*	45,1	123,3	42 600*	80,0	
84,0					20,8	100,7	5 300	51 900*	32,1	112,3		45 500*	40,4	118,9	38 900*	84,0	
88,0					6,8	83,3	1 700	47 100*	25,4	104,8		41 700*	35,2	113,6	35 600*	88,0	
92,0									16,3	93,8		38 000*	29,2	107,0	32 400*	92,0	
96,0													21,6	98,3	29 400*	96,0	
100,0													9,2	82,9	25 700*	100,0	

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

CAUTION: Do not luff into area indicated by (c) with 16 780 kg 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

208 060 kg Crane Counterweight

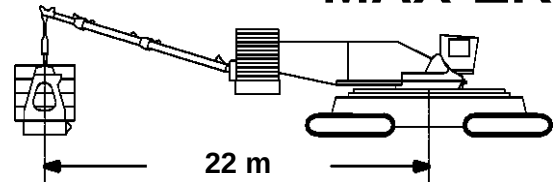
90 720 kg Carbody Counterweight

112 170 kg Hanging Counterweight

at 22 m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



73,2 m Boom, 79,2 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
30,5	74,9	152,9	130 900	155 400*									30,5
32,0	73,8	152,4	121 600	155 400*									32,0
34,0	72,2	151,8	110 700	155 400*									34,0
36,0	70,7	151,1	101 300	155 400*									36,0
38,0	69,2	150,3	92 900	155 200*									38,0
40,0	67,6	149,5	85 400	150 800*									40,0
42,0	66,0	148,6	78 700	146 000*									42,0
44,0	64,4	147,6	72 600	140 900*									44,0
46,0	62,8	146,6	67 200	134 600*	67,9	148,8	48 100	121 700*					46,0
48,0	61,1	145,5	62 200	127 700*	66,3	147,9	44 000	115 200*					48,0
50,0	59,5	144,4	57 600	121 300*	64,7	146,9	40 200	109 200*					50,0
52,0	57,8	143,1	53 400	115 300*	63,1	145,9	36 800	103 600*					52,0
54,0	56,0	141,8	49 500	109 700*	61,5	144,8	33 600	98 600*					54,0
56,0	54,2	140,3	45 900	104 600*	59,8	143,7	30 600	93 800*					56,0
58,0	52,4	138,8	42 600	99 800*	58,1	142,4	27 900	89 400*	63,3	144,6	13 300	79 100*	58,0
60,0	50,6	137,2	39 500	95 300*	56,3	141,1	25 300	85 300*	61,7	143,5	11 200	75 300*	60,0
62,0	48,6	135,4	36 600	91 100*	54,6	139,7	22 900	81 400*	60,0	142,4	9 400	71 800*	62,0
64,0	46,7	133,6	33 800	87 100*	52,8	138,2	20 700	77 800*	58,3	141,2	7 600	68 500*	64,0
66,0	44,6	131,5	31 300	83 400*	50,9	136,6	18 600	74 400*	56,6	139,8	5 900	65 400*	66,0
68,0	42,5	129,4	28 800	79 900*	49,0	134,9	16 600	71 200*	54,8	138,4	4 300	62 500*	68,0
70,0	40,3	127,1	26 600	76 600*	47,0	133,0	14 700	68 100*	53,0	136,9	2 900	59 700*	70,0
72,0	37,9	124,5	24 400	73 400*	45,0	131,0	12 900	65 200*	51,2	135,3	1 500	57 000*	72,0
74,0	35,5	121,8	22 300	70 500*	42,9	128,9	11 200	62 500*	49,3	133,6		54 600*	74,0
76,0	32,8	118,7	20 300	67 600*	40,7	126,6	9 600	59 900*	47,3	131,8		52 200*	76,0
80,0	26,9	111,6	16 600	62 300*	35,9	121,4	6 600	55 100*	43,2	127,7		47 800*	80,0
84,0	19,3	101,8	13 000	57 300*	30,5	115,1	3 800	50 700*	38,7	123,0		43 800*	84,0
88,0					24,1	107,1	1 100	46 600*	33,7	117,4		40 200*	88,0
92,0					15,1	95,4		42 600*	27,9	110,5		36 700*	92,0
96,0									20,7	101,3		33 500*	96,0
100,0									8,7	85,2		30 100*	100,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

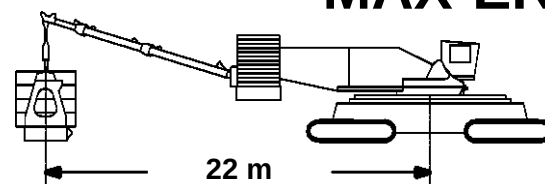
CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 140 ft Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
112 170 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



73,2 m Boom, 85,3 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
33,5	73,9	158,3	111 700	137 800*									33,5
34,0	73,6	158,2	109 300	137 800*									34,0
36,0	72,1	157,5	99 700	137 800*									36,0
38,0	70,7	156,8	91 300	137 800*									38,0
40,0	69,3	156,1	83 800	137 700*									40,0
42,0	67,8	155,3	77 100	136 100*									42,0
44,0	66,4	154,4	71 000	131 800*									44,0
46,0	64,9	153,5	65 600	127 700*	69,6	155,3	46 200	120 100*					46,0
48,0	63,4	152,5	60 600	123 400*	68,1	154,5	42 100	113 600*					48,0
50,0	61,9	151,4	56 000	119 100*	66,6	153,7	38 300	107 600*					50,0
52,0	60,3	150,3	51 800	114 000*	65,2	152,7	34 900	102 200*					52,0
54,0	58,8	149,1	47 900	108 400*	63,7	151,8	31 700	97 100*					54,0
56,0	57,2	147,8	44 300	103 300*	62,2	150,7	28 800	92 300*					56,0
58,0	55,5	146,4	41 000	98 400*	60,6	149,6	26 000	87 900*					58,0
60,0	53,9	144,9	37 900	94 000*	59,0	148,4	23 500	83 800*	63,9	150,4	9 200	73 700*	60,0
62,0	52,2	143,4	35 000	89 800*	57,5	147,1	21 100	79 900*	62,4	149,4	7 300	70 200*	62,0
64,0	50,4	141,8	32 300	85 900*	55,8	145,8	18 900	76 300*	60,8	148,3	5 500	66 900*	64,0
66,0	48,7	140,0	29 800	82 200*	54,2	144,3	16 800	72 900*	59,3	147,1	3 900	63 800*	66,0
68,0	46,8	138,2	27 400	78 700*	52,5	142,8	14 800	69 800*	57,7	145,8	2 300	60 900*	68,0
70,0	44,9	136,2	25 100	75 400*	50,8	141,2	13 000	66 700*	56,1	144,5	900	58 200*	70,0
72,0	43,0	134,1	23 000	72 300*	49,0	139,4	11 200	63 900*	54,4	143,1		55 500*	72,0
74,0	40,9	131,8	20 900	69 300*	47,2	137,6	9 500	61 200*	52,7	141,6		53 100*	74,0
76,0	38,8	129,3	19 000	66 500*	45,3	135,6	7 900	58 600*	51,0	139,9		50 700*	76,0
80,0	34,2	123,8	15 400	61 300*	41,3	131,3	5 000	53 800*	47,4	136,4		46 400*	80,0
84,0	29,0	117,1	12 000	56 500*	37,0	126,3	2 300	49 500*	43,6	132,4		42 400*	84,0
88,0	22,7	108,6	8 900	52 100*	32,2	120,3		45 500*	39,5	127,8		38 800*	88,0
92,0					26,6	113,0		41 800*	35,0	122,4		35 500*	92,0
96,0					19,6	103,3		38 300*	29,9	115,9		32 400*	96,0
100,0									23,8	107,8		29 500*	100,0
104,0									15,5	96,2		26 600*	104,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

CAUTION: Do not luff into area indicated by (c) with 16 780 kg 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

208 060 kg Crane Counterweight

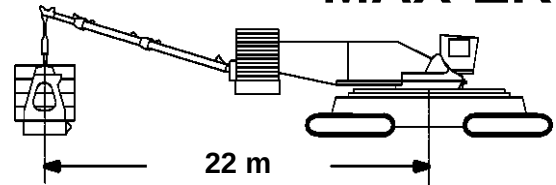
90 720 kg Carbody Counterweight

112 170 kg Hanging Counterweight

at 22 m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



73,2 m Boom, 91,4 m Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Minimum Luffing Jib Capacity To Swing and Travel Kilograms	Luffing Jib Capacity Kilograms	
35,1	74,0	164,2	102 100	122 000*									35,1
36,0	73,4	163,9	97 900	122 000*									36,0
38,0	72,1	163,3	89 300	122 000*									38,0
40,0	70,7	162,6	81 800	122 000*									40,0
42,0	69,4	161,8	75 100	122 000*									42,0
44,0	68,0	161,0	69 100	121 800*									44,0
46,0	66,7	160,2	63 600	118 900*									46,0
48,0	65,3	159,3	58 600	115 500*									48,0
50,0	63,9	158,3	54 000	112 100*	68,3	160,3	35 900	105 700*					50,0
52,0	62,5	157,2	49 800	108 500*	66,9	159,4	32 500	100 200*					52,0
54,0	61,1	156,1	46 000	104 900*	65,6	158,5	29 300	95 200*					54,0
56,0	59,6	155,0	42 400	101 200*	64,2	157,6	26 400	90 400*					56,0
58,0	58,1	153,7	39 000	96 900*	62,8	156,5	23 700	86 100*					58,0
60,0	56,6	152,4	36 000	92 400*	61,3	155,4	21 200	82 000*					60,0
62,0	55,1	151,0	33 100	88 200*	59,9	154,3	18 800	78 100*					62,0
64,0	53,6	149,6	30 400	84 300*	58,4	153,1	16 600	74 500*	62,9	155,2	2 900	64 900*	64,0
66,0	52,0	148,0	27 900	80 600*	56,9	151,8	14 500	71 200*	61,5	154,1	1 300	61 800*	66,0
68,0	50,3	146,4	25 500	77 100*	55,4	150,4	12 600	68 000*	60,1	153,0		58 900*	68,0
70,0	48,7	144,6	23 200	73 900*	53,8	148,9	10 700	65 000*	58,6	151,8		56 200*	70,0
72,0	47,0	142,8	21 100	70 700*	52,3	147,4	9 000	62 200*	57,1	150,5		53 600*	72,0
74,0	45,2	140,8	19 100	67 800*	50,6	145,8	7 300	59 500*	55,6	149,1		51 100*	74,0
76,0	43,4	138,7	17 100	65 000*	49,0	144,1	5 800	56 900*	54,1	147,7		48 800*	76,0
80,0	39,6	134,1	13 600	58 500*	45,5	140,3	2 900	52 200*	50,9	144,6		44 500*	80,0
84,0	35,4	128,7	10 400	52 200*	41,9	136,0		47 900*	47,5	141,0		40 700*	84,0
88,0	30,7	122,4	7 400	46 300*	37,9	131,1		44 000*	44,0	137,0		37 100*	88,0
92,0	25,3	114,7	4 600	41 000*	33,6	125,4		40 300*	40,2	132,5		33 800*	92,0
96,0	18,3	104,4	1 800	36 300*	28,6	118,6		36 900*	36,1	127,3		30 800*	96,0
100,0					22,7	110,0		33 800*	31,5	121,2		27 900*	100,0
104,0									26,2	113,7		25 000*	104,0

NOTE: Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

CAUTION: Do not luff into area indicated by (c) with 16 780 kg minimum weight (see CAUTION on page 1).