

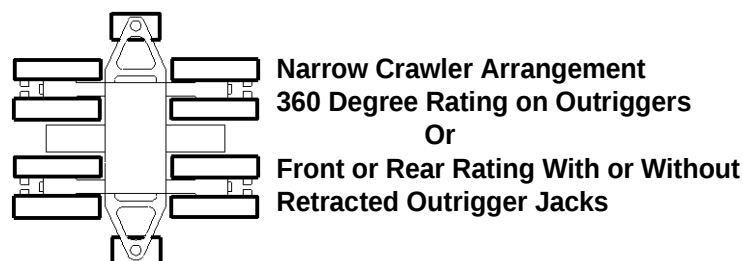
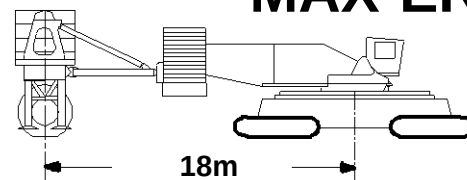
Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

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

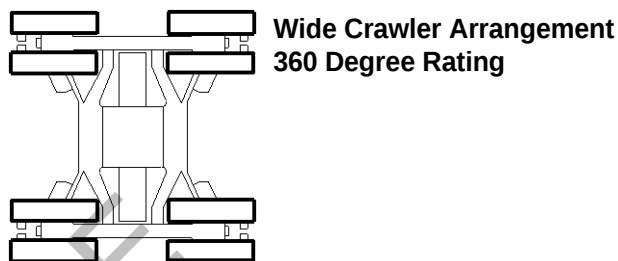
21000
MAX-ER



Narrow Crawler Arrangement
360 Degree Rating on Outriggers

Or

Front or Rear Rating With or Without
Retracted Outrigger Jacks



Wide Crawler Arrangement
360 Degree Rating

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

360 degree operation requires set outrigger jacks for narrow crawler arrangement.

Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point. Capacities indicated by (d) require 31 750 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.

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

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

Upper luffing jib point capacity for liftcrane service with single part whip line is 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 3m and properly supported. During operation, boom must be maintained at one of the selected angles shown in chart. Refer to luffing jib rigging assembly **No. 192589** and Wire Rope Specification chart **No. 8201-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

Narrow Crawler Arrangement: Narrow crawler arrangement (9.1m) requires outriggers with jacks set for 360 degree operation (no travel). Refer to operators manual for jacking instructions. Operation restricted to limited swing over front or rear with outrigger jacks retracted or outriggers removed. Refer to Operating Range Diagram chart **No. 8141-A**.

Wide Crawler Arrangement: Operation with wide crawler arrangement (14.5m) is 360 degrees.

MACHINE TRAVEL

General: Machine to travel on a firm, level, and uniformly supporting surface with boom and luffing jib within angle range shown in capacity chart. Refer to Swing and Travel Specification chart **No. 8203-A**.

Narrow Crawler Arrangement: Narrow crawler arrangement (9.1m) 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 (14.5m) travel allowed with 360 degree rating.

Liftcrane Luffing Jib Capacities

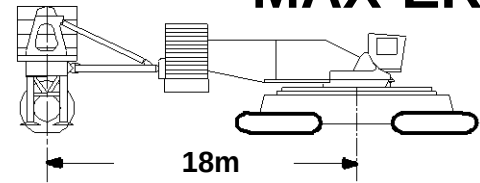
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MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

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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, 42.7m mast, 8 534 mm

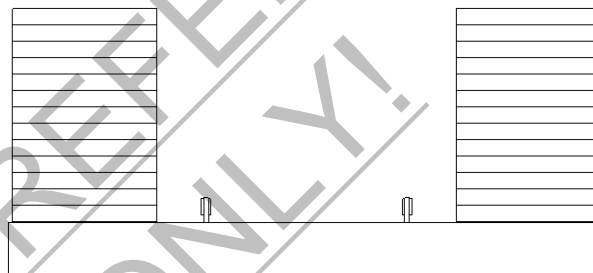
retractable gantry, 20 part boom hoist reeving, boom support straps, 22 part luffing jib hoist reeving, luffing jib and backstay support straps, 224 390 kg crane counterweight, two 24 270 kg and two 21 090 kg carbody counterweights and 190 510 kg wheeled counterweight.

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

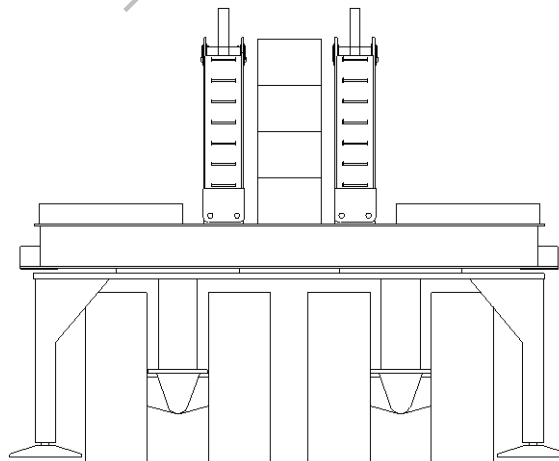
Warning: Narrow crawler arrangement requires set outrigger jacks to swing beyond front or rear operating range.

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

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



224 390 kg Crane Counterweight
26 Side Boxes



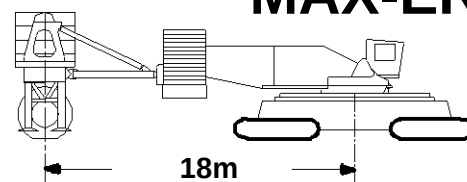
190 510 kg Wheeled Counterweight
2 Side Boxes - 4 Center Boxes

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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WITH OR WITHOUT BOOM AND/OR JIB CATWALKS		
Maximum Boom and Luffing Jib Lengths Lifted Unassisted Using Jack-Knife Method With 190 510 kg Wheeled Counterweight		
Boom Length Meters	Luffing Jib No. 81 Meters	Boom to Luffing Jib Angle Degrees
Over End of Unblocked Crawlers		
54.9 - 67.1	36.6 - 91.4	90
73.2 - 79.2	36.6 - 91.4	60
85.3	36.6 - 61.0	60
Load blocks, hook and weight ball on ground until boom and luffing jib are erected.		

RAISING AND LOWERING PROCEDURE

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

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

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

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

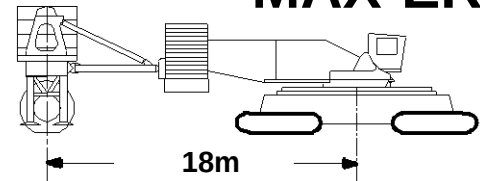
CAUTION: Do not under any condition allow boom to luffing jib angle to become less than 60 degrees.

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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54.9m (180 Ft.) Boom, 36.6m (120 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	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	327 000*b										24.0
26.0	60.8	89.8	300 500*b			c							26.0
28.0	57.1	88.6	277 900*b	65.8	90.6	266 100*b							28.0
30.0	53.2	87.1	258 200*	62.2	89.6	247 000*b							30.0
32.0	49.1	85.4	240 800*	58.6	88.4	230 500*b							32.0
34.0	44.7	83.4	225 400*	54.7	87.0	215 800*b	63.5	88.9	206 000*b				34.0
36.0	39.9	81.1	211 600*	50.7	85.4	202 600*	59.9	87.7	193 400*b				36.0
38.0	34.5	78.3	199 200*	46.4	83.5	190 700*	56.1	86.4	182 100*b				38.0
40.0	28.1	74.8	187 800*	41.8	81.3	180 000*	52.2	84.9	171 900*				40.0
42.0	19.9	69.9	177 200*	36.7	78.7	170 200*	48.0	83.1	162 600*	57.3	85.3	155 000*b	42.0
44.0				30.8	75.6	161 200*	43.5	81.0	154 100*	53.4	83.8	146 900*	44.0
46.0				23.5	71.4	152 800*	38.6	78.6	146 300*	49.3	82.1	139 500*	46.0
48.0							33.0	75.7	139 000*	44.9	80.2	132 600*	48.0
50.0							26.3	71.9	132 200*	40.1	77.9	126 200*	50.0
52.0							17.3	66.5	125 600*	34.8	75.1	120 300*	52.0
54.0										28.5	71.6	114 600*	54.0
56.0										20.4	66.9	109 300*	56.0

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

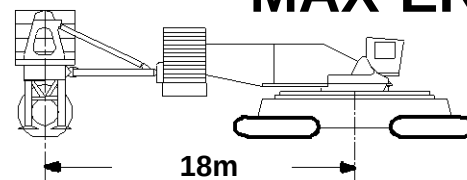
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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

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54.9m (180 Ft.) Boom, 42.7m (140 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	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	325 600*b										24.0
26.0	65.3	96.8	299 200*b										26.0
28.0	62.3	95.7	276 700*b										28.0
30.0	59.2	94.5	257 100*	66.5	96.4	245 500*b							30.0
32.0	56.0	93.2	239 800*	63.5	95.4	228 900*b							32.0
34.0	52.6	91.7	224 500*	60.4	94.3	214 300*b							34.0
36.0	49.1	90.0	210 800*	57.2	93.0	201 200*							36.0
38.0	45.3	88.0	198 600*	53.9	91.6	189 500*	61.5	93.6	180 400*b				38.0
40.0	41.3	85.8	187 400*	50.5	90.0	178 900*	58.4	92.4	170 300*				40.0
42.0	36.9	83.2	177 300*	46.8	88.1	169 300*	55.1	91.0	161 100*				42.0
44.0	32.0	80.1	167 900*	42.9	86.0	160 400*	51.7	89.5	152 700*				44.0
46.0	26.2	76.3	159 300*	38.7	83.6	152 300*	48.1	87.7	145 000*	56.1	89.9	137 700*	46.0
48.0	18.8	71.2	151 200*	34.0	80.7	144 800*	44.3	85.7	137 900*	52.8	88.4	130 900*	48.0
50.0				28.6	77.3	137 800*	40.2	83.4	131 300*	49.2	86.7	124 700*	50.0
52.0				22.0	72.8	131 200*	35.7	80.7	125 200*	45.5	84.8	119 000*	52.0
54.0							30.7	77.5	119 500*	41.5	82.6	113 500*	54.0
56.0							24.6	73.4	114 000*	37.1	80.0	108 400*	56.0
58.0							16.4	67.7	108 700*	32.2	77.0	103 700*	58.0
60.0										26.5	73.2	99 200*	60.0
62.0										19.2	68.2	94 700*	62.0
64.0										4.2	57.2	90 000*	64.0

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

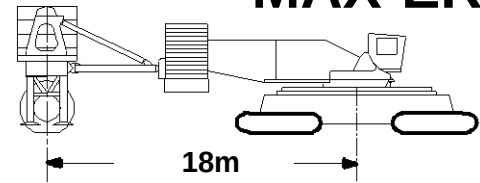
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



54.9m (180 Ft.) Boom, 48.8m (160 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
21.3			c										21.3
22.0			c										22.0
24.0	71.1	104.2	324 500*b										24.0
26.0	68.6	103.4	298 200*b										26.0
28.0	66.0	102.6	275 700*b										28.0
30.0	63.4	101.6	256 100*										30.0
32.0	60.7	100.4	238 900*	67.1	102.2	227 600*b							32.0
34.0	58.0	99.2	223 700*	64.5	101.3	213 100*b							34.0
36.0	55.1	97.8	210 100*	61.8	100.2	200 100*							36.0
38.0	52.1	96.3	197 900*	59.1	99.0	188 400*							38.0
40.0	49.1	94.6	186 800*	56.2	97.7	177 900*	62.8	99.5	169 100*				40.0
42.0	45.8	92.7	176 800*	53.3	96.2	168 300*	60.0	98.3	159 900*				42.0
44.0	42.3	90.5	167 600*	50.3	94.6	159 600*	57.3	97.1	151 500*				44.0
46.0	38.6	88.1	159 200*	47.1	92.7	151 600*	54.4	95.7	143 900*				46.0
48.0	34.6	85.2	151 400*	43.7	90.7	144 200*	51.4	94.1	136 900*	58.1	96.0	129 700*	48.0
50.0	30.0	81.9	144 200*	40.1	88.4	137 400*	48.3	92.3	130 400*	55.3	94.6	123 500*	50.0
52.0	24.7	77.9	137 400*	36.2	85.7	131 000*	45.0	90.3	124 400*	52.3	93.0	117 800*	52.0
54.0	17.9	72.4	131 000*	31.9	82.6	125 000*	41.4	88.1	118 800*	49.2	91.3	112 400*	54.0
56.0				26.9	78.9	119 500*	37.7	85.6	113 500*	46.0	89.4	107 500*	56.0
58.0				20.8	74.1	114 200*	33.5	82.7	108 600*	42.5	87.3	102 900*	58.0
60.0							28.8	79.2	103 900*	38.8	84.9	98 500*	60.0
62.0							23.2	74.9	99 500*	34.8	82.1	94 400*	62.0
64.0							15.7	68.8	95 100*	30.3	78.8	90 400*	64.0
66.0										25.0	74.8	86 700*	66.0
68.0										18.3	69.4	82 900*	68.0
70.0										5.6	58.9	78 800*	70.0

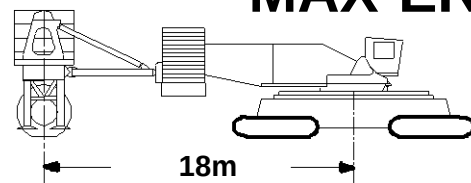
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



**21000
MAX-ER**

54.9m (180 Ft.) Boom, 54.9m (180 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
22.9	74.6	111.0	339 400*										22.9
24.0	73.3	110.7	322 900*										24.0
26.0	71.1	110.0	296 600*										26.0
28.0	68.9	109.2	274 100*										28.0
30.0	66.6	108.3	254 600*										30.0
32.0	64.3	107.4	237 400*	69.8	108.8	225 700*							32.0
34.0	61.9	106.3	222 200*	67.5	108.0	211 300*							34.0
36.0	59.5	105.2	208 700*	65.2	107.1	198 300*							36.0
38.0	57.0	103.9	196 500*	62.9	106.1	186 700*							38.0
40.0	54.4	102.4	185 500*	60.5	104.9	176 200*							40.0
42.0	51.8	100.9	175 500*	58.0	103.7	166 700*	63.7	105.3	158 000*				42.0
44.0	49.0	99.2	166 400*	55.5	102.3	158 000*	61.3	104.2	149 600*				44.0
46.0	46.2	97.3	158 000*	52.9	100.8	150 100*	58.9	103.0	142 100*				46.0
48.0	43.1	95.2	150 300*	50.1	99.2	142 700*	56.4	101.7	135 100*				48.0
50.0	39.9	92.8	143 200*	47.3	97.4	136 000*	53.8	100.3	128 700*				50.0
52.0	36.5	90.2	136 600*	44.4	95.3	129 700*	51.1	98.7	122 800*	57.1	100.6	115 800*	52.0
54.0	32.7	87.2	130 500*	41.2	93.1	123 900*	48.3	96.9	117 200*	54.6	99.2	110 600*	54.0
56.0	28.4	83.6	124 700*	37.9	90.6	118 400*	45.4	95.0	112 000*	51.9	97.6	105 700*	56.0
58.0	23.5	79.3	119 200*	34.2	87.7	113 300*	42.4	92.8	107 200*	49.2	95.9	101 100*	58.0
60.0	17.1	73.6	114 000*	30.2	84.4	108 500*	39.1	90.4	102 700*	46.3	94.1	96 800*	60.0
62.0				25.5	80.4	103 900*	35.6	87.7	98 400*	43.3	92.0	92 800*	62.0
64.0				19.9	75.4	99 500*	31.7	84.5	94 300*	40.1	89.6	89 000*	64.0
66.0							27.3	80.8	90 500*	36.6	87.0	85 300*	66.0
68.0							22.1	76.3	86 800*	32.9	84.0	81 900*	68.0
70.0							15.1	69.9	83 100*	28.7	80.5	78 500*	70.0
72.0										23.7	76.2	75 300*	72.0
74.0										17.5	70.6	72 100*	74.0
76.0										6.4	60.2	68 700*	76.0

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

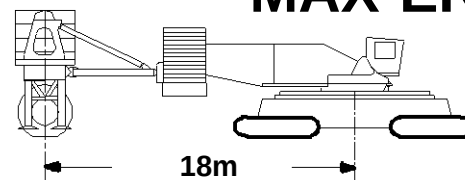
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



54.9m (180 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

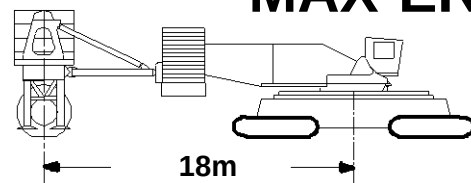
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
24.4	74.7	116.9	293 000*										24.4
26.0	73.1	116.4	292 200*										26.0
28.0	71.1	115.7	273 200*										28.0
30.0	69.1	115.0	253 300*										30.0
32.0	67.0	114.1	236 200*										32.0
34.0	65.0	113.2	221 000*										34.0
36.0	62.8	112.2	207 500*	67.8	113.8	197 000*							36.0
38.0	60.7	111.1	195 300*	65.8	112.9	185 300*							38.0
40.0	58.5	109.8	184 400*	63.7	111.9	174 900*							40.0
42.0	56.2	108.5	174 400*	61.5	110.8	165 400*							42.0
44.0	53.9	107.1	165 400*	59.4	109.6	156 700*							44.0
46.0	51.5	105.5	157 000*	57.1	108.4	148 800*	62.3	110.1	140 600*				46.0
48.0	49.0	103.8	149 400*	54.8	107.0	141 500*	60.1	109.0	133 700*				48.0
50.0	46.5	101.9	142 300*	52.5	105.4	134 800*	57.9	107.7	127 300*				50.0
52.0	43.8	99.8	135 800*	50.0	103.8	128 600*	55.7	106.4	121 400*				52.0
54.0	40.9	97.6	129 700*	47.5	102.0	122 800*	53.3	104.9	115 900*	58.6	106.6	109 100*	54.0
56.0	37.9	95.0	124 000*	44.8	100.0	117 400*	50.9	103.3	110 800*	56.3	105.3	104 200*	56.0
58.0	34.6	92.2	118 700*	42.1	97.8	112 400*	48.4	101.5	106 000*	54.0	103.8	99 700*	58.0
60.0	31.1	89.0	113 700*	39.1	95.4	107 600*	45.8	99.6	101 500*	51.6	102.3	95 400*	60.0
62.0	27.1	85.3	109 000*	36.0	92.7	103 200*	43.1	97.5	97 300*	49.2	100.5	91 400*	62.0
64.0	22.4	80.7	104 500*	32.5	89.6	99 000*	40.2	95.2	93 300*	46.6	98.7	87 700*	64.0
66.0	16.5	74.8	100 100*	28.7	86.1	95 000*	37.1	92.6	89 600*	43.9	96.6	84 100*	66.0
68.0				24.4	82.0	91 200*	33.8	89.7	86 000*	41.1	94.4	80 700*	68.0
70.0				19.1	76.7	87 500*	30.1	86.3	82 600*	38.0	91.9	77 500*	70.0
72.0							26.0	82.4	79 300*	34.8	89.0	74 400*	72.0
74.0							21.1	77.6	76 100*	31.3	85.9	71 500*	74.0
76.0							14.7	71.1	73 000*	27.3	82.1	68 600*	76.0
80.0										16.9	71.8	63 200*	80.0

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

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



21000

MAX-ER

54.9m (180 Ft.) Boom, 67.1m (220 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
25.9	74.7	122.8	253 300*										25.9
26.0	74.7	122.8	253 300*										26.0
28.0	72.9	122.2	253 300*										28.0
30.0	71.1	121.5	249 200*										30.0
32.0	69.2	120.7	234 500*										32.0
34.0	67.4	119.9	219 400*										34.0
36.0	65.5	119.0	205 900*										36.0
38.0	63.6	118.0	193 800*	68.1	119.6	183 500*							38.0
40.0	61.7	116.9	182 800*	66.2	118.7	173 000*							40.0
42.0	59.7	115.8	172 900*	64.4	117.7	163 500*							42.0
44.0	57.7	114.5	163 800*	62.4	116.7	154 900*							44.0
46.0	55.6	113.1	155 500*	60.5	115.5	147 000*							46.0
48.0	53.5	111.7	147 900*	58.5	114.3	139 800*	63.1	115.9	131 800*				48.0
50.0	51.3	110.1	140 900*	56.4	113.0	133 100*	61.2	114.9	125 400*				50.0
52.0	49.0	108.4	134 400*	54.3	111.6	126 900*	59.2	113.7	119 500*				52.0
54.0	46.7	106.5	128 300*	52.2	110.0	121 200*	57.1	112.4	114 000*				54.0
56.0	44.3	104.5	122 700*	49.9	108.4	115 800*	55.1	111.0	108 900*				56.0
58.0	41.7	102.3	117 400*	47.6	106.6	110 800*	52.9	109.5	104 200*	57.8	111.3	97 700*	58.0
60.0	39.0	99.8	112 500*	45.2	104.6	106 100*	50.7	107.9	99 700*	55.7	109.9	93 500*	60.0
62.0	36.2	97.2	107 800*	42.7	102.5	101 700*	48.5	106.1	95 600*	53.6	108.4	89 500*	62.0
64.0	33.1	94.2	103 500*	40.1	100.1	97 600*	46.1	104.2	91 700*	51.4	106.9	85 800*	64.0
66.0	29.7	90.8	99 300*	37.3	97.6	93 700*	43.6	102.1	88 000*	49.1	105.1	82 300*	66.0
68.0	26.0	86.9	95 400*	34.3	94.7	90 000*	41.1	99.9	84 400*	46.8	103.3	79 000*	68.0
70.0	21.6	82.1	91 600*	31.1	91.5	86 400*	38.3	97.4	81 100*	44.4	101.3	75 800*	70.0
72.0	16.0	75.9	87 900*	27.5	87.8	83 100*	35.4	94.6	78 000*	41.8	99.1	72 700*	72.0
74.0				23.4	83.4	79 900*	32.3	91.6	74 900*	39.2	96.6	69 900*	74.0
76.0				18.4	77.9	76 700*	28.8	88.1	72 000*	36.3	94.0	67 100*	76.0
80.0							20.3	79.0	66 400*	29.9	87.6	62 000*	80.0
84.0										21.8	79.1	57 200*	84.0
88.0										7.4	62.7	52 300*	88.0

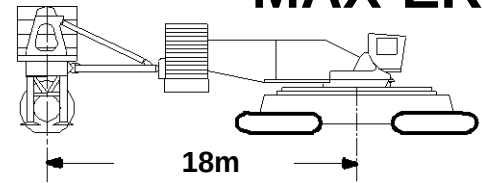
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



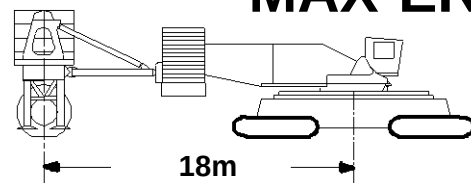
54.9m (180 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
27.4	74.8	128.7	220 400*										27.4
28.0	74.3	128.6	220 400*										28.0
30.0	72.7	127.9	220 400*										30.0
32.0	71.0	127.3	220 400*										32.0
34.0	69.4	126.5	217 400*										34.0
36.0	67.7	125.7	204 500*										36.0
38.0	66.0	124.8	192 300*										38.0
40.0	64.2	123.8	181 300*	68.3	125.3	171 400*							40.0
42.0	62.5	122.8	171 400*	66.6	124.5	161 900*							42.0
44.0	60.7	121.7	162 400*	64.9	123.5	153 300*							44.0
46.0	58.8	120.5	154 100*	63.2	122.5	145 400*							46.0
48.0	57.0	119.2	146 500*	61.4	121.4	138 200*							48.0
50.0	55.1	117.8	139 500*	59.6	120.3	131 600*	63.8	121.8	123 700*				50.0
52.0	53.1	116.3	133 000*	57.7	119.0	125 400*	62.0	120.7	117 800*				52.0
54.0	51.1	114.7	127 000*	55.8	117.7	119 700*	60.2	119.6	112 400*				54.0
56.0	49.0	113.0	121 400*	53.9	116.2	114 300*	58.4	118.4	107 300*				56.0
58.0	46.9	111.1	116 100*	51.9	114.6	109 300*	56.5	117.0	102 600*				58.0
60.0	44.7	109.1	111 200*	49.9	113.0	104 700*	54.6	115.6	98 200*	58.9	117.2	91 700*	60.0
62.0	42.4	106.9	106 600*	47.7	111.2	100 300*	52.6	114.1	94 000*	57.1	115.9	87 800*	62.0
64.0	40.0	104.6	102 300*	45.6	109.2	96 200*	50.6	112.5	90 100*	55.2	114.5	84 100*	64.0
66.0	37.4	102.0	98 200*	43.3	107.1	92 300*	48.5	110.7	86 400*	53.2	113.1	80 600*	66.0
68.0	34.7	99.2	94 300*	40.9	104.9	88 600*	46.4	108.8	83 000*	51.2	111.5	77 300*	68.0
70.0	31.8	96.0	90 700*	38.4	102.4	85 200*	44.1	106.8	79 700*	49.1	109.7	74 200*	70.0
72.0	28.6	92.5	87 200*	35.8	99.7	81 900*	41.8	104.6	76 600*	47.0	107.9	71 200*	72.0
74.0	25.0	88.4	83 800*	32.9	96.6	78 800*	39.3	102.2	73 600*	44.8	105.9	68 400*	74.0
76.0	20.8	83.5	80 600*	29.9	93.3	75 800*	36.7	99.5	70 700*	42.5	103.7	65 700*	76.0
80.0				22.6	84.8	70 000*	31.0	93.4	65 300*	37.5	98.8	60 600*	80.0
84.0							24.0	85.5	60 400*	31.9	92.9	56 000*	84.0
88.0							14.0	73.3	55 700*	25.2	85.3	51 800*	88.0
92.0										15.9	74.1	47 600*	92.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



**21000
MAX-ER**

54.9m (180 Ft.) Boom, 79.2m (260 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
29.0	74.9	134.6	192 000*										29.0
30.0	74.1	134.3	192 000*										30.0
32.0	72.6	133.7	192 000*										32.0
34.0	71.0	133.0	192 000*										34.0
36.0	69.5	132.3	192 000*										36.0
38.0	67.9	131.5	190 200*										38.0
40.0	66.3	130.6	179 700*										40.0
42.0	64.7	129.6	169 800*	68.5	131.1	160 100*							42.0
44.0	63.1	128.6	160 800*	67.0	130.2	151 500*							44.0
46.0	61.5	127.5	152 500*	65.4	129.3	143 600*							46.0
48.0	59.8	126.4	144 900*	63.8	128.3	136 400*							48.0
50.0	58.1	125.1	137 900*	62.1	127.3	129 800*							50.0
52.0	56.4	123.8	131 500*	60.5	126.2	123 600*	64.3	127.6	115 800*				52.0
54.0	54.6	122.4	125 400*	58.8	125.0	117 900*	62.7	126.6	110 400*				54.0
56.0	52.8	120.9	119 900*	57.1	123.7	112 600*	61.1	125.5	105 400*				56.0
58.0	50.9	119.3	114 600*	55.3	122.3	107 600*	59.4	124.3	100 700*				58.0
60.0	49.0	117.6	109 700*	53.5	120.8	103 000*	57.7	123.0	96 300*				60.0
62.0	47.1	115.7	105 200*	51.7	119.2	98 700*	55.9	121.7	92 200*				62.0
64.0	45.0	113.7	100 900*	49.8	117.6	94 600*	54.2	120.2	88 300*	58.2	121.9	82 100*	64.0
66.0	42.9	111.6	96 800*	47.8	115.8	90 700*	52.3	118.7	84 700*	56.5	120.6	78 700*	66.0
68.0	40.7	109.3	93 000*	45.8	113.8	87 100*	50.5	117.1	81 200*	54.7	119.2	75 400*	68.0
70.0	38.4	106.8	89 400*	43.8	111.8	83 600*	48.5	115.3	77 900*	52.9	117.7	72 300*	70.0
72.0	36.0	104.1	85 900*	41.6	109.6	80 400*	46.6	113.4	74 900*	51.0	116.1	69 400*	72.0
74.0	33.4	101.2	82 600*	39.3	107.2	77 300*	44.5	111.4	71 900*	49.1	114.3	66 500*	74.0
76.0	30.6	97.9	79 500*	37.0	104.5	74 400*	42.4	109.3	69 100*	47.2	112.5	63 900*	76.0
80.0	24.1	89.9	73 700*	31.7	98.5	68 800*	37.8	104.4	63 800*	43.0	108.4	58 900*	80.0
84.0	15.2	78.2	68 100*	25.5	91.0	63 600*	32.7	98.6	59 000*	38.5	103.6	54 400*	84.0
88.0				17.4	80.4	58 800*	26.7	91.4	54 600*	33.5	98.0	50 200*	88.0
92.0							19.1	81.5	50 400*	27.7	91.0	46 300*	92.0
96.0							2.2	58.6	45 900*	20.4	81.8	42 700*	96.0
100.0										7.9	65.0	38 900*	100.0

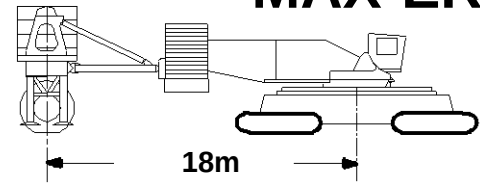
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
 Boom No. 80 With 42.7m Mast No. 81
 224 390 kg Crane Counterweight
 90 720 kg Carbody Counterweight
 190 510 kg Wheeled Counterweight
 at 18m Position
 Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



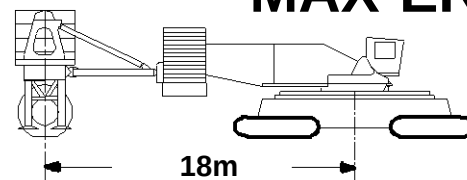
54.9m (180 Ft.) Boom, 85.3m (280 Ft.) Luffing Jib

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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
30.5	74.9	140.5	167 700*										30.5
32.0	73.8	140.1	167 700*										32.0
34.0	72.4	139.5	167 700*										34.0
36.0	71.0	138.8	167 700*										36.0
38.0	69.6	138.0	167 700*										38.0
40.0	68.1	137.2	167 700*										40.0
42.0	66.7	136.4	166 400*										42.0
44.0	65.2	135.4	159 700*	68.7	136.9	150 000*							44.0
46.0	63.7	134.5	151 200*	67.3	136.0	142 100*							46.0
48.0	62.2	133.4	143 600*	65.8	135.1	134 900*							48.0
50.0	60.6	132.3	136 600*	64.3	134.2	128 300*							50.0
52.0	59.1	131.1	130 100*	62.8	133.1	122 100*							52.0
54.0	57.5	129.8	124 100*	61.3	132.0	116 500*							54.0
56.0	55.9	128.5	118 600*	59.7	130.9	111 200*	63.3	132.4	103 800*				56.0
58.0	54.2	127.0	113 400*	58.1	129.6	106 200*	61.8	131.3	99 100*				58.0
60.0	52.5	125.5	108 500*	56.5	128.3	101 600*	60.3	130.2	94 800*				60.0
62.0	50.8	123.9	103 900*	54.9	126.9	97 300*	58.7	129.0	90 700*				62.0
64.0	49.0	122.2	99 600*	53.2	125.4	93 200*	57.1	127.7	86 800*				64.0
66.0	47.2	120.3	95 600*	51.5	123.9	89 400*	55.5	126.3	83 200*	59.2	127.8	77 100*	66.0
68.0	45.3	118.4	91 800*	49.7	122.2	85 800*	53.8	124.9	79 700*	57.6	126.6	73 800*	68.0
70.0	43.4	116.3	88 200*	47.9	120.4	82 300*	52.1	123.3	76 500*	55.9	125.2	70 800*	70.0
72.0	41.4	114.0	84 800*	46.1	118.5	79 100*	50.4	121.7	73 500*	54.3	123.8	67 900*	72.0
74.0	39.3	111.6	81 500*	44.2	116.4	76 000*	48.6	119.9	70 500*	52.6	122.3	65 000*	74.0
76.0	37.0	109.0	78 400*	42.2	114.2	73 100*	46.7	118.1	67 800*	50.9	120.7	62 400*	76.0
80.0	32.2	103.1	72 300*	37.9	109.4	67 700*	42.9	113.9	62 500*	47.3	117.1	57 500*	80.0
84.0	26.7	95.8	65 600*	33.2	103.6	62 600*	38.7	109.2	57 800*	43.5	113.1	53 000*	84.0
88.0	19.6	86.1	59 800*	27.8	96.7	58 000*	34.1	103.6	53 400*	39.4	108.4	48 900*	88.0
92.0				21.2	87.6	53 600*	28.9	96.9	49 400*	34.8	103.0	45 100*	92.0
96.0				11.1	73.2	49 400*	22.5	88.3	45 600*	29.7	96.5	41 600*	96.0
100.0							13.5	75.5	41 900*	23.6	88.3	38 300*	100.0
104.0										15.2	76.5	35 100*	104.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



**21000
MAX-ER**

54.9m (180 Ft.) Boom, 91.4m (300 Ft.) Luffing Jib

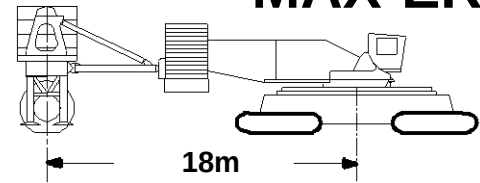
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
32.0	74.9	146.4	149 600*										32.0
34.0	73.6	145.9	149 600*										34.0
36.0	72.3	145.2	149 600*										36.0
38.0	71.0	144.5	149 600*										38.0
40.0	69.7	143.8	148 700*										40.0
42.0	68.3	143.0	144 900*										42.0
44.0	67.0	142.1	140 900*										44.0
46.0	65.6	141.2	134 900*	68.9	142.6	140 300*							46.0
48.0	64.2	140.3	129 100*	67.5	141.8	133 100*							48.0
50.0	62.8	139.2	123 300*	66.1	140.9	126 500*							50.0
52.0	61.4	138.2	117 600*	64.7	140.0	120 300*							52.0
54.0	59.9	137.0	112 100*	63.3	139.0	114 600*							54.0
56.0	58.4	135.8	106 800*	61.9	137.9	109 400*							56.0
58.0	56.9	134.5	101 600*	60.5	136.8	104 400*	63.8	138.2	97 200*				58.0
60.0	55.4	133.1	96 600*	59.0	135.6	99 800*	62.4	137.2	92 800*				60.0
62.0	53.9	131.7	91 800*	57.5	134.3	95 500*	61.0	136.1	88 800*				62.0
64.0	52.3	130.1	87 100*	56.0	133.0	91 500*	59.5	134.9	84 900*				64.0
66.0	50.7	128.5	82 700*	54.5	131.5	87 700*	58.1	133.7	81 300*				66.0
68.0	49.0	126.8	78 400*	52.9	130.0	84 100*	56.6	132.3	77 900*				68.0
70.0	47.3	124.9	74 200*	51.3	128.5	80 600*	55.0	131.0	74 700*	58.5	132.5	68 800*	70.0
72.0	45.6	123.0	70 400*	49.7	126.8	77 400*	53.5	129.5	71 600*	57.0	131.2	65 900*	72.0
74.0	43.8	120.9	66 500*	48.0	125.0	74 400*	51.9	127.9	68 700*	55.5	129.9	63 100*	74.0
76.0	41.9	118.7	62 900*	46.3	123.1	71 500*	50.3	126.3	66 000*	54.0	128.4	60 500*	76.0
80.0	38.0	113.8	56 000*	42.7	118.9	65 000*	46.9	122.7	60 800*	50.8	125.3	55 600*	80.0
84.0	33.6	108.1	49 800*	38.8	114.2	58 000*	43.3	118.6	56 100*	47.4	121.7	51 100*	84.0
88.0	28.7	101.4	44 100*	34.5	108.7	51 600*	39.5	113.9	51 800*	43.9	117.7	47 100*	88.0
92.0	22.7	92.8	39 000*	29.7	102.1	45 700*	35.3	108.6	47 900*	40.1	113.2	43 400*	92.0
96.0	14.6	80.5	34 500*	24.0	94.0	40 400*	30.6	102.3	44 200*	35.9	107.9	40 000*	96.0
100.0				16.6	82.8	35 800*	25.1	94.5	40 800*	31.3	101.8	36 800*	100.0
104.0							18.1	84.0	36 900*	26.0	94.3	33 700*	104.0
108.0							4.6	62.9	33 500*	19.3	84.4	30 900*	108.0
112.0										8.3	67.3	27 900*	112.0

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



61.0m (200 Ft.) Boom, 36.6m (120 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	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	325 000*b										24.0
26.0	61.8	96.2	298 700*b										26.0
28.0	58.1	95.0	276 200*b			c							28.0
30.0	54.2	93.6	256 700*b	64.1	96.2	243 900*b							30.0
32.0	50.2	91.9	239 400*	60.5	95.1	227 400*b							32.0
34.0	45.9	90.0	224 100*	56.8	93.8	212 900*b							34.0
36.0	41.2	87.8	210 400*	52.9	92.3	199 900*	62.7	94.5	189 300*b				36.0
38.0	36.0	85.1	198 000*	48.7	90.5	188 200*	59.1	93.4	178 200*b				38.0
40.0	30.0	81.9	186 700*	44.3	88.5	177 700*	55.3	92.0	168 200*b				40.0
42.0	22.4	77.5	176 300*	39.5	86.2	168 000*	51.3	90.4	159 200*				42.0
44.0	10.0	69.8	166 200*	34.0	83.3	159 100*	47.1	88.6	150 800*	57.4	91.1	142 400*b	44.0
46.0				27.6	79.8	150 900*	42.5	86.5	143 200*	53.6	89.6	135 200*b	46.0
48.0				19.2	74.8	143 100*	37.5	83.9	136 100*	49.5	87.9	128 500*	48.0
50.0							31.7	80.8	129 500*	45.1	86.0	122 400*	50.0
52.0							24.7	76.9	123 200*	40.3	83.7	116 600*	52.0
54.0							14.6	70.7	117 100*	35.0	81.0	111 300*	54.0
56.0										28.8	77.5	106 200*	56.0
58.0										20.8	72.9	101 200*	58.0

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

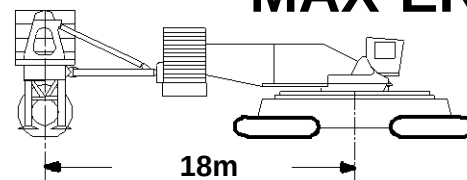
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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

21000
MAX-ER



61.0m (200 Ft.) Boom, 42.7m (140 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	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	323 600*b										24.0
26.0	66.1	103.1	297 400*b										26.0
28.0	63.1	102.1	275 000*b										28.0
30.0	60.0	100.9	255 500*b	68.1	102.9	242 100*b							30.0
32.0	56.8	99.6	238 300*	65.1	102.0	225 700*b							32.0
34.0	53.5	98.2	223 100*	62.1	100.9	211 300*b							34.0
36.0	50.0	96.5	209 500*	58.9	99.7	198 400*							36.0
38.0	46.3	94.6	197 300*	55.7	98.4	186 900*							38.0
40.0	42.4	92.5	186 200*	52.3	96.9	176 400*	60.9	99.3	166 400*b				40.0
42.0	38.1	90.0	176 200*	48.8	95.1	166 900*	57.7	98.0	157 500*				42.0
44.0	33.4	87.1	166 900*	45.0	93.2	158 200*	54.4	96.6	149 300*				44.0
46.0	27.9	83.5	158 400*	41.0	90.9	150 200*	51.0	95.0	141 700*	59.5	97.1	133 300*b	46.0
48.0	21.0	78.8	150 400*	36.6	88.3	142 800*	47.4	93.2	134 800*	56.3	95.7	126 700*	48.0
50.0	10.0	70.9	142 500*	31.6	85.2	135 900*	43.5	91.1	128 400*	52.9	94.2	120 700*	50.0
52.0				25.7	81.3	129 500*	39.3	88.7	122 400*	49.4	92.5	115 100*	52.0
54.0				18.1	76.0	123 300*	34.7	86.0	116 800*	45.7	90.6	109 800*	54.0
56.0							29.5	82.6	111 500*	41.7	88.4	105 000*	56.0
58.0							23.1	78.3	106 500*	37.3	85.9	100 400*	58.0
60.0							14.0	71.8	101 500*	32.5	82.9	96 000*	60.0
62.0										26.8	79.1	91 800*	62.0
64.0										19.6	74.2	87 800*	64.0

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

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

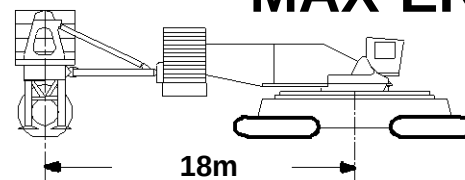
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



61.0m (200 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

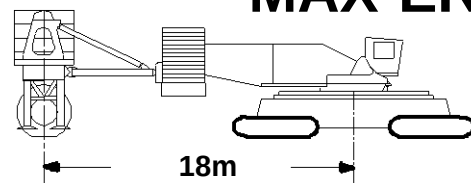
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
22.9	73.2	110.9	338 900*(b)										22.9
24.0	71.8	110.5	322 500*(b)										24.0
26.0	69.3	109.7	296 300*(b)										26.0
28.0	66.7	108.9	273 900*(b)										28.0
30.0	64.1	107.9	254 500*										30.0
32.0	61.5	106.8	237 400*	68.4	108.7	224 400*(b)							32.0
34.0	58.7	105.6	222 200*	65.8	107.8	210 000*(b)							34.0
36.0	55.9	104.3	208 700*	63.2	106.8	197 300*							36.0
38.0	52.9	102.8	196 600*	60.5	105.7	185 700*							38.0
40.0	49.9	101.1	185 600*	57.8	104.4	175 300*							40.0
42.0	46.7	99.3	175 600*	54.9	103.0	165 900*	62.2	105.1	156 200*				42.0
44.0	43.3	97.2	166 500*	51.9	101.5	157 300*	59.5	104.0	148 000*				44.0
46.0	39.6	94.8	158 100*	48.8	99.7	149 400*	56.7	102.7	140 600*				46.0
48.0	35.7	92.1	150 400*	45.5	97.8	142 100*	53.8	101.2	133 700*				48.0
50.0	31.3	88.9	143 200*	42.1	95.6	135 300*	50.7	99.6	127 300*	58.2	101.7	119 300*	50.0
52.0	26.2	85.1	136 500*	38.3	93.2	129 100*	47.6	97.8	121 400*	55.4	100.4	113 800*	52.0
54.0	19.9	80.1	130 200*	34.3	90.3	123 300*	44.2	95.8	115 900*	52.4	98.8	108 600*	54.0
56.0	10.0	72.0	123 900*	29.7	87.0	117 800*	40.7	93.5	110 800*	49.3	97.1	103 800*	56.0
58.0				24.3	82.8	112 600*	36.8	90.9	106 000*	46.1	95.2	99 300*	58.0
60.0				17.2	77.2	107 500*	32.6	87.9	101 500*	42.7	93.1	95 100*	60.0
62.0							27.7	84.3	97 200*	39.0	90.7	91 100*	62.0
64.0							21.8	79.7	93 000*	35.0	87.9	87 300*	64.0
66.0							13.5	72.9	88 900*	30.5	84.7	83 700*	66.0
68.0										25.2	80.7	80 200*	68.0
70.0										18.6	75.4	76 800*	70.0

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

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



21000

MAX-ER

61.0m (200 Ft.) Boom, 54.9m (180 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
24.4	73.5	116.8	310 700*										24.4
26.0	71.7	116.2	294 800*										26.0
28.0	69.5	115.5	272 300*										28.0
30.0	67.2	114.7	252 900*										30.0
32.0	64.9	113.7	235 800*										32.0
34.0	62.5	112.7	220 700*	68.7	114.5	208 200*							34.0
36.0	60.1	111.5	207 300*	66.4	113.6	195 400*							36.0
38.0	57.7	110.3	195 200*	64.1	112.6	183 900*							38.0
40.0	55.1	108.9	184 200*	61.7	111.5	173 600*							40.0
42.0	52.5	107.4	174 300*	59.3	110.4	164 200*							42.0
44.0	49.8	105.7	165 300*	56.8	109.1	155 600*	63.2	111.0	146 000*				44.0
46.0	46.9	103.9	156 900*	54.2	107.6	147 800*	60.8	109.9	138 600*				46.0
48.0	44.0	101.8	149 300*	51.6	106.1	140 500*	58.4	108.7	131 800*				48.0
50.0	40.8	99.5	142 200*	48.8	104.3	133 900*	55.8	107.3	125 500*				50.0
52.0	37.4	97.0	135 700*	45.9	102.4	127 700*	53.2	105.8	119 700*	59.7	107.7	111 700*	52.0
54.0	33.7	94.1	129 600*	42.9	100.3	121 900*	50.5	104.2	114 300*	57.2	106.4	106 600*	54.0
56.0	29.6	90.7	123 800*	39.7	97.9	116 600*	47.7	102.4	109 200*	54.7	105.0	101 900*	56.0
58.0	24.9	86.6	118 400*	36.2	95.3	111 500*	44.8	100.4	104 500*	52.0	103.4	97 400*	58.0
60.0	19.0	81.4	113 300*	32.4	92.2	106 800*	41.7	98.2	100 100*	49.3	101.7	93 300*	60.0
62.0	10.1	73.1	108 100*	28.1	88.6	102 300*	38.4	95.7	95 900*	46.4	99.9	89 300*	62.0
64.0				23.1	84.3	98 000*	34.8	92.9	91 900*	43.4	97.8	85 700*	64.0
66.0				16.5	78.4	93 900*	30.8	89.7	88 200*	40.2	95.5	82 200*	66.0
68.0							26.3	85.9	84 600*	36.8	92.9	78 900*	68.0
70.0							20.8	81.0	81 100*	33.0	89.9	75 600*	70.0
72.0							13.2	74.0	77 600*	28.8	86.4	72 600*	72.0
74.0										24.0	82.2	69 600*	74.0
76.0										17.8	76.6	66 700*	76.0

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

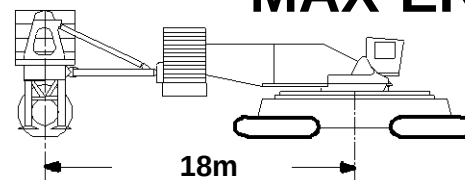
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



61.0m (200 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

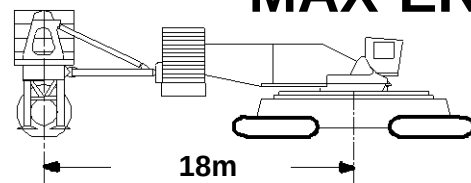
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
25.9	73.7	122.7	270 100*b										25.9
26.0	73.6	122.7	270 100*b										26.0
28.0	71.6	122.0	266 800*b										28.0
30.0	69.6	121.3	252 400*										30.0
32.0	67.6	120.4	234 600*										32.0
34.0	65.5	119.5	219 500*										34.0
36.0	63.4	118.5	206 100*	68.9	120.2	194 000*							36.0
38.0	61.3	117.4	194 000*	66.9	119.4	182 500*							38.0
40.0	59.1	116.2	183 100*	64.8	118.4	172 200*							40.0
42.0	56.8	114.9	173 200*	62.7	117.4	162 800*							42.0
44.0	54.5	113.5	164 200*	60.5	116.3	154 300*							44.0
46.0	52.2	112.0	155 900*	58.3	115.1	146 500*	64.0	116.8	137 100*				46.0
48.0	49.7	110.3	148 300*	56.1	113.7	139 300*	61.9	115.8	130 300*				48.0
50.0	47.2	108.5	141 300*	53.7	112.3	132 700*	59.7	114.6	124 100*				50.0
52.0	44.5	106.5	134 800*	51.3	110.7	126 500*	57.5	113.3	118 300*				52.0
54.0	41.7	104.3	128 800*	48.8	108.9	120 800*	55.2	111.9	112 900*				54.0
56.0	38.7	101.8	123 100*	46.3	107.1	115 500*	52.8	110.4	107 900*	58.7	112.4	100 400*	56.0
58.0	35.5	99.1	117 800*	43.6	105.0	110 600*	50.4	108.8	103 200*	56.4	111.0	96 000*	58.0
60.0	32.1	96.0	112 900*	40.7	102.7	105 900*	47.9	107.0	98 800*	54.1	109.6	91 800*	60.0
62.0	28.2	92.4	108 200*	37.7	100.1	101 500*	45.2	105.1	94 700*	51.7	108.0	87 900*	62.0
64.0	23.8	88.1	103 700*	34.4	97.3	97 400*	42.5	102.9	90 800*	49.3	106.3	84 300*	64.0
66.0	18.3	82.6	99 500*	30.8	94.1	93 400*	39.6	100.5	87 200*	46.7	104.5	80 900*	66.0
68.0	10.1	74.1	95 200*	26.8	90.3	89 700*	36.4	97.9	83 700*	44.0	102.4	77 600*	68.0
70.0				22.1	85.7	86 100*	33.1	94.9	80 400*	41.2	100.2	74 500*	70.0
72.0				16.0	79.5	82 600*	29.3	91.4	77 300*	38.2	97.7	71 500*	72.0
74.0							25.1	87.4	74 200*	35.0	94.9	68 700*	74.0
76.0							19.9	82.3	71 200*	31.4	91.7	66 000*	76.0
80.0										22.9	83.6	60 800*	80.0

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

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



**21000
MAX-ER**

61.0m (200 Ft.) Boom, 67.1m (220 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
27.4	73.8	128.6	235 000*										27.4
28.0	73.3	128.4	235 000*										28.0
30.0	71.5	127.8	235 000*										30.0
32.0	69.7	127.0	232 900*										32.0
34.0	67.9	126.2	217 800*										34.0
36.0	66.0	125.3	204 400*										36.0
38.0	64.1	124.4	192 300*										38.0
40.0	62.2	123.3	181 500*	67.2	125.2	170 300*							40.0
42.0	60.2	122.2	171 600*	65.4	124.2	160 900*							42.0
44.0	58.2	120.9	162 600*	63.5	123.2	152 400*							44.0
46.0	56.1	119.6	154 400*	61.5	122.2	144 600*							46.0
48.0	54.0	118.2	146 800*	59.5	121.0	137 500*							48.0
50.0	51.9	116.6	139 800*	57.5	119.7	130 900*	62.7	121.6	122 100*				50.0
52.0	49.6	114.9	133 400*	55.4	118.4	124 800*	60.8	120.5	116 300*				52.0
54.0	47.3	113.1	127 400*	53.3	116.9	119 100*	58.8	119.3	111 000*				54.0
56.0	44.9	111.1	121 800*	51.1	115.3	113 900*	56.7	118.0	106 000*				56.0
58.0	42.4	108.9	116 500*	48.9	113.5	108 900*	54.6	116.6	101 400*				58.0
60.0	39.8	106.6	111 600*	46.5	111.7	104 300*	52.5	115.0	97 000*	57.8	117.0	93 800*	60.0
62.0	37.0	104.0	107 000*	44.1	109.6	100 000*	50.3	113.4	92 900*	55.8	115.7	89 800*	62.0
64.0	33.9	101.1	102 700*	41.5	107.4	95 900*	48.0	111.6	89 100*	53.7	114.2	85 900*	64.0
66.0	30.7	97.8	98 600*	38.8	105.0	92 000*	45.6	109.7	85 500*	51.5	112.7	82 300*	66.0
68.0	27.0	94.0	94 700*	35.9	102.3	88 400*	43.1	107.6	82 000*	49.2	110.9	79 000*	68.0
70.0	22.8	89.6	90 900*	32.9	99.2	84 900*	40.5	105.3	78 800*	46.9	109.1	75 700*	70.0
72.0	17.7	83.9	87 300*	29.5	95.8	81 600*	37.7	102.7	75 700*	44.5	107.1	72 700*	72.0
74.0	10.1	75.2	83 700*	25.7	91.8	78 500*	34.8	99.9	72 800*	42.0	104.9	69 800*	74.0
76.0				21.2	87.0	75 400*	31.6	96.7	70 000*	39.3	102.5	67 000*	76.0
80.0							24.0	88.9	64 600*	33.4	96.9	64 300*	80.0
84.0							12.7	76.2	59 400*	26.3	89.7	59 400*	84.0
88.0										16.6	79.0	54 800*	88.0

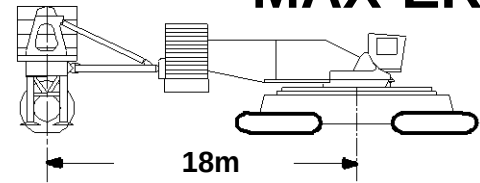
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



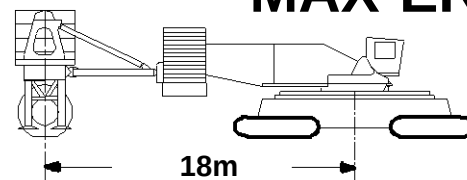
61.0m (200 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
29.0	74.0	134.5	205 900*										29.0
30.0	73.1	134.2	205 900*										30.0
32.0	71.5	133.5	205 900*										32.0
34.0	69.8	132.8	205 900*										34.0
36.0	68.1	132.0	201 800*										36.0
38.0	66.4	131.1	190 900*										38.0
40.0	64.7	130.2	180 000*	69.2	131.8	168 700*							40.0
42.0	62.9	129.1	170 100*	67.5	130.9	159 300*							42.0
44.0	61.1	128.0	161 200*	65.8	130.0	150 800*							44.0
46.0	59.3	126.9	152 900*	64.1	129.1	143 100*							46.0
48.0	57.5	125.6	145 400*	62.3	128.0	135 900*							48.0
50.0	55.6	124.2	138 400*	60.5	126.9	129 300*							50.0
52.0	53.6	122.8	132 000*	58.7	125.7	123 200*	63.4	127.4	114 600*				52.0
54.0	51.6	121.2	126 000*	56.8	124.4	117 600*	61.6	126.4	109 200*				54.0
56.0	49.6	119.5	120 400*	54.9	123.0	112 300*	59.8	125.2	104 300*				56.0
58.0	47.5	117.7	115 200*	53.0	121.5	107 400*	58.0	124.0	99 700*				58.0
60.0	45.3	115.7	110 300*	50.9	119.9	102 800*	56.1	122.6	95 400*				60.0
62.0	43.0	113.6	105 800*	48.9	118.1	98 500*	54.2	121.2	91 300*	59.0	123.0	84 200*	62.0
64.0	40.6	111.3	101 500*	46.7	116.3	94 500*	52.2	119.7	87 500*	57.1	121.7	80 600*	64.0
66.0	38.1	108.8	97 400*	44.5	114.3	90 700*	50.2	118.0	83 900*	55.2	120.3	77 200*	66.0
68.0	35.4	106.0	93 600*	42.2	112.1	87 000*	48.1	116.2	80 500*	53.3	118.8	74 000*	68.0
70.0	32.6	103.0	89 900*	39.8	109.7	83 600*	45.9	114.3	77 300*	51.3	117.3	71 000*	70.0
72.0	29.5	99.6	86 500*	37.2	107.1	80 400*	43.6	112.2	74 300*	49.2	115.5	68 200*	72.0
74.0	26.0	95.6	83 200*	34.5	104.3	77 300*	41.3	110.0	71 400*	47.1	113.7	65 400*	74.0
76.0	22.0	91.0	80 000*	31.5	101.1	74 400*	38.8	107.5	68 600*	44.9	111.7	62 800*	76.0
80.0	10.1	76.3	73 700*	24.7	93.4	68 800*	33.4	101.9	63 400*	40.2	107.2	57 900*	80.0
84.0				15.1	81.8	63 500*	27.0	94.8	58 600*	34.9	101.9	53 500*	84.0
88.0							18.6	84.9	54 000*	28.9	95.3	49 300*	88.0
92.0										21.3	86.4	45 500*	92.0
96.0										8.2	70.3	41 600*	96.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



**21000
MAX-ER**

61.0m (200 Ft.) Boom, 79.2m (260 Ft.) Luffing Jib

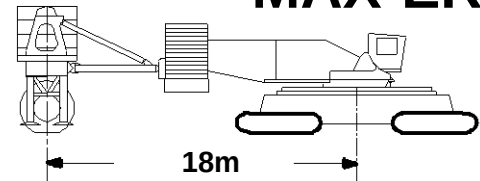
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
30.5	74.1	140.4	180 100*										30.5
32.0	73.0	139.9	180 100*										32.0
34.0	71.4	139.3	180 100*										34.0
36.0	69.9	138.5	180 100*										36.0
38.0	68.3	137.7	180 100*										38.0
40.0	66.8	136.9	176 300*										40.0
42.0	65.2	136.0	168 900*	69.4	137.5	157 400*							42.0
44.0	63.6	135.0	159 500*	67.8	136.7	148 900*							44.0
46.0	61.9	133.9	151 300*	66.2	135.8	141 200*							46.0
48.0	60.3	132.8	143 800*	64.6	134.9	134 100*							48.0
50.0	58.6	131.6	136 900*	63.0	133.9	127 500*							50.0
52.0	56.8	130.3	130 400*	61.4	132.8	121 400*							52.0
54.0	55.1	128.9	124 400*	59.7	131.6	115 800*	64.0	133.3	107 300*				54.0
56.0	53.3	127.4	118 900*	58.0	130.4	110 600*	62.4	132.2	102 300*				56.0
58.0	51.4	125.8	113 700*	56.2	129.0	105 700*	60.7	131.1	97 700*				58.0
60.0	49.5	124.1	108 800*	54.5	127.6	101 100*	59.0	129.9	93 400*				60.0
62.0	47.6	122.3	104 300*	52.7	126.1	96 800*	57.3	128.6	89 400*				62.0
64.0	45.6	120.4	100 000*	50.8	124.5	92 800*	55.6	127.3	85 600*	60.0	128.9	78 500*	64.0
66.0	43.5	118.3	96 000*	48.9	122.7	89 000*	53.8	125.8	82 000*	58.3	127.7	75 200*	66.0
68.0	41.3	116.0	92 200*	46.9	120.9	85 400*	51.9	124.3	78 700*	56.5	126.4	72 100*	68.0
70.0	39.0	113.6	88 600*	44.9	118.9	82 000*	50.1	122.6	75 500*	54.8	125.0	69 000*	70.0
72.0	36.6	110.9	85 200*	42.8	116.8	78 800*	48.1	120.8	72 500*	53.0	123.5	66 200*	72.0
74.0	34.1	108.1	81 900*	40.5	114.5	75 800*	46.1	118.9	69 700*	51.1	121.9	63 500*	74.0
76.0	31.4	104.8	78 800*	38.2	112.0	72 900*	44.1	116.9	66 900*	49.2	120.1	60 900*	76.0
80.0	25.1	97.2	73 000*	33.2	106.2	67 500*	39.7	112.3	61 800*	45.2	116.3	56 100*	80.0
84.0	16.7	86.3	67 600*	27.3	99.2	62 500*	34.8	106.9	57 100*	40.9	112.0	51 700*	84.0
88.0				19.9	89.7	57 700*	29.2	100.3	52 700*	36.2	106.8	47 700*	88.0
92.0							22.4	91.8	48 700*	30.9	100.6	44 000*	92.0
96.0							12.3	78.4	44 800*	24.5	92.7	40 500*	96.0
100.0										15.8	81.4	37 100*	100.0

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



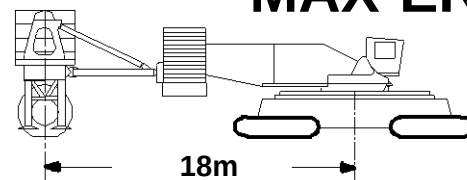
61.0m (200 Ft.) Boom, 85.3m (280 Ft.) Luffing Jib

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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
32.0	74.2	146.3	157 300*										32.0
34.0	72.8	145.7	157 300*										34.0
36.0	71.4	145.0	157 300*										36.0
38.0	70.0	144.3	157 300*										38.0
40.0	68.5	143.5	157 300*										40.0
42.0	67.1	142.7	156 800*										42.0
44.0	65.6	141.8	153 600*										44.0
46.0	64.1	140.8	148 800*	68.0	142.5	139 600*							46.0
48.0	62.6	139.8	142 600*	66.6	141.6	132 500*							48.0
50.0	61.1	138.7	135 500*	65.1	140.7	126 000*							50.0
52.0	59.5	137.5	129 100*	63.6	139.7	119 900*							52.0
54.0	57.9	136.2	123 100*	62.1	138.6	114 300*							54.0
56.0	56.3	134.9	117 600*	60.5	137.5	109 100*							56.0
58.0	54.7	133.5	112 400*	59.0	136.3	104 200*	63.0	138.1	96 100*				58.0
60.0	53.0	132.0	107 600*	57.4	135.0	99 700*	61.5	137.0	91 800*				60.0
62.0	51.3	130.4	103 100*	55.7	133.7	95 400*	59.9	135.8	87 800*				62.0
64.0	49.5	128.7	98 800*	54.1	132.2	91 400*	58.3	134.6	84 100*				64.0
66.0	47.7	126.9	94 800*	52.4	130.7	87 600*	56.7	133.3	80 500*				66.0
68.0	45.8	125.0	91 000*	50.7	129.1	84 100*	55.1	131.9	77 200*	59.2	133.6	70 400*	68.0
70.0	43.9	122.9	87 400*	48.9	127.3	80 700*	53.4	130.4	74 000*	57.6	132.4	67 500*	70.0
72.0	41.9	120.7	84 000*	47.1	125.5	77 500*	51.7	128.9	71 000*	56.0	131.0	64 700*	72.0
74.0	39.8	118.3	80 800*	45.2	123.5	74 500*	50.0	127.2	68 200*	54.4	129.6	62 000*	74.0
76.0	37.6	115.8	77 700*	43.2	121.4	71 600*	48.2	125.4	65 500*	52.7	128.1	59 400*	76.0
80.0	32.9	110.0	71 500*	39.1	116.7	66 200*	44.4	121.5	60 400*	49.2	124.7	54 600*	80.0
84.0	27.5	102.9	65 000*	34.5	111.3	61 300*	40.4	117.0	55 800*	45.5	121.0	50 300*	84.0
88.0	20.7	93.7	59 300*	29.4	104.7	56 800*	36.0	111.8	51 500*	41.5	116.7	46 300*	88.0
92.0	10.1	78.4	54 600*	23.1	96.3	52 500*	31.0	105.6	47 600*	37.3	111.7	42 700*	92.0
96.0				14.5	84.1	48 500*	25.2	97.9	44 000*	32.5	105.8	39 300*	96.0
100.0							17.6	87.3	40 500*	26.9	98.6	36 100*	100.0
104.0										20.0	89.0	33 100*	104.0
108.0										8.6	72.5	30 100*	108.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



21000

MAX-ER

61.0m (200 Ft.) Boom, 91.4m (300 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
33.5	74.3	152.2	138 000*										33.5
34.0	74.0	152.1	138 000*										34.0
36.0	72.7	151.5	138 000*										36.0
38.0	71.4	150.8	138 000*										38.0
40.0	70.0	150.1	138 000*										40.0
42.0	68.7	149.3	138 000*										42.0
44.0	67.3	148.4	137 900*										44.0
46.0	65.9	147.6	134 600*	69.6	149.0	137 700*							46.0
48.0	64.6	146.6	129 000*	68.2	148.2	130 600*							48.0
50.0	63.2	145.6	123 500*	66.9	147.4	124 100*							50.0
52.0	61.7	144.5	118 000*	65.5	146.5	118 100*							52.0
54.0	60.3	143.4	112 600*	64.1	145.5	112 500*							54.0
56.0	58.8	142.2	107 500*	62.7	144.5	107 300*							56.0
58.0	57.3	140.9	102 300*	61.2	143.4	102 400*	64.9	144.9	94 100*				58.0
60.0	55.8	139.6	97 400*	59.8	142.2	97 900*	63.5	143.9	89 900*				60.0
62.0	54.3	138.1	92 600*	58.3	141.0	93 600*	62.1	142.8	85 900*				62.0
64.0	52.7	136.6	88 000*	56.8	139.7	89 600*	60.7	141.7	82 100*				64.0
66.0	51.1	135.0	83 600*	55.3	138.3	85 900*	59.2	140.5	78 600*				66.0
68.0	49.5	133.3	79 300*	53.8	136.9	82 300*	57.8	139.3	75 300*				68.0
70.0	47.8	131.5	75 200*	52.2	135.3	79 000*	56.2	137.9	72 100*				70.0
72.0	46.0	129.6	71 200*	50.6	133.7	75 800*	54.7	136.5	69 200*	58.6	138.3	62 600*	72.0
74.0	44.3	127.6	67 500*	48.9	131.9	72 800*	53.2	135.0	66 300*	57.1	137.0	60 000*	74.0
76.0	42.4	125.4	63 800*	47.2	130.1	70 000*	51.6	133.5	63 700*	55.6	135.7	57 400*	76.0
80.0	38.5	120.6	56 900*	43.6	126.1	64 600*	48.2	130.0	58 700*	52.4	132.7	52 700*	80.0
84.0	34.2	115.0	50 600*	39.8	121.5	59 800*	44.8	126.1	54 100*	49.2	129.3	48 400*	84.0
88.0	29.4	108.4	44 900*	35.7	116.2	53 300*	41.0	121.7	49 900*	45.7	125.6	44 500*	88.0
92.0	23.6	100.2	39 600*	31.0	110.0	47 300*	37.0	116.7	46 000*	42.1	121.3	40 900*	92.0
96.0	16.0	88.6	35 100*	25.6	102.3	41 900*	32.5	110.8	42 400*	38.1	116.5	37 600*	96.0
100.0				18.8	92.2	37 000*	27.4	103.7	39 100*	33.8	110.8	34 500*	100.0
104.0							21.1	94.5	36 000*	28.9	104.1	31 600*	104.0
108.0							12.0	80.5	32 800*	23.0	95.7	28 800*	108.0
112.0										15.1	83.7	26 000*	112.0

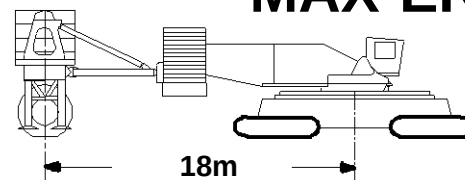
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



67.1m (220 Ft.) Boom, 36.6m (120 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	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	296 900*b										26.0
28.0	59.1	101.4	274 600*b										28.0
30.0	55.3	100.0	255 100*b			c							30.0
32.0	51.3	98.5	238 000*	62.4	101.7	224 200*b							32.0
34.0	47.0	96.6	222 800*	58.8	100.5	209 900*b							34.0
36.0	42.5	94.5	209 100*	55.0	99.1	197 100*b							36.0
38.0	37.4	92.0	196 800*	51.0	97.5	185 600*	62.0	100.2	174 200*b				38.0
40.0	31.7	88.9	185 700*	46.7	95.6	175 200*	58.3	99.0	164 400*b				40.0
42.0	24.6	84.9	175 300*	42.1	93.5	165 700*	54.5	97.6	155 500*b				42.0
44.0	14.5	78.7	165 600*	37.0	90.9	156 900*	50.5	95.9	147 400*				44.0
46.0				31.2	87.8	148 900*	46.1	94.0	139 900*	57.6	96.9	130 700*b	46.0
48.0				24.0	83.7	141 300*	41.5	91.8	133 000*	53.7	95.4	124 300*b	48.0
50.0				13.3	77.2	134 000*	36.3	89.2	126 600*	49.6	93.8	118 400*	50.0
52.0							30.4	86.0	120 600*	45.3	91.8	112 800*	52.0
54.0							23.0	81.7	114 800*	40.5	89.5	107 600*	54.0
56.0							11.2	74.5	109 000*	35.2	86.8	102 700*	56.0
58.0										29.1	83.4	98 100*	58.0
60.0										21.2	78.8	93 600*	60.0

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

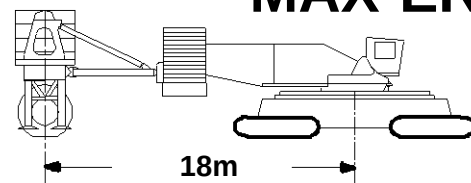
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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

21000
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67.1m (220 Ft.) Boom, 42.7m (140 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	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	295 500*b										26.0
28.0	63.9	108.4	273 300*b										28.0
30.0	60.9	107.3	253 900*b										30.0
32.0	57.7	106.1	236 800*	66.7	108.5	222 500*b							32.0
34.0	54.4	104.7	221 700*	63.7	107.5	208 200*b							34.0
36.0	51.0	103.0	208 200*	60.6	106.4	195 500*b							36.0
38.0	47.3	101.2	196 100*	57.4	105.1	184 100*							38.0
40.0	43.5	99.2	185 100*	54.1	103.7	173 800*	63.3	106.0	162 500*b				40.0
42.0	39.3	96.8	175 100*	50.7	102.1	164 400*	60.2	104.9	153 700*b				42.0
44.0	34.7	94.0	165 900*	47.0	100.3	155 900*	57.0	103.6	145 700*				44.0
46.0	29.4	90.6	157 400*	43.2	98.2	148 000*	53.7	102.2	138 300*				46.0
48.0	23.0	86.3	149 500*	39.0	95.8	140 700*	50.2	100.5	131 500*				48.0
50.0	13.9	79.8	141 900*	34.3	92.9	133 900*	46.6	98.7	125 200*	56.4	101.5	116 500*	50.0
52.0				29.0	89.5	127 600*	42.7	96.5	119 400*	53.1	100.0	111 000*	52.0
54.0				22.5	85.1	121 600*	38.4	94.1	114 000*	49.5	98.4	106 000*	54.0
56.0				12.9	78.2	115 800*	33.7	91.2	108 800*	45.8	96.4	101 200*	56.0
58.0							28.2	87.7	104 000*	41.9	94.3	96 800*	58.0
60.0							21.5	83.1	99 300*	37.5	91.7	92 600*	60.0
62.0							11.1	75.6	94 600*	32.7	88.7	88 600*	62.0
64.0										27.1	85.1	84 800*	64.0
66.0										19.9	80.1	81 100*	66.0

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

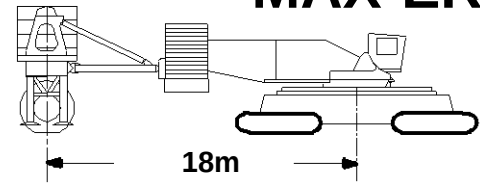
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



67.1m (220 Ft.) Boom, 48.8m (160 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
22.9			c										22.9
24.0			c										24.0
26.0	70.0	116.0	294 400*b										26.0
28.0	67.4	115.2	272 200*b										28.0
30.0	64.8	114.2	252 800*b										30.0
32.0	62.2	113.2	235 800*	69.8	115.1	221 000*b							32.0
34.0	59.4	112.0	220 800*	67.2	114.3	206 900*b							34.0
36.0	56.6	110.7	207 400*	64.6	113.3	194 300*b							36.0
38.0	53.7	109.3	195 300*	62.0	112.3	182 900*							38.0
40.0	50.7	107.6	184 400*	59.2	111.1	172 700*							40.0
42.0	47.5	105.8	174 500*	56.4	109.8	163 400*							42.0
44.0	44.2	103.8	165 400*	53.5	108.3	154 900*	61.6	110.8	144 300*				44.0
46.0	40.6	101.5	157 100*	50.5	106.7	147 100*	58.9	109.6	137 000*				46.0
48.0	36.8	98.9	149 400*	47.3	104.9	139 900*	56.1	108.3	130 300*				48.0
50.0	32.5	95.9	142 300*	43.9	102.8	133 300*	53.1	106.8	124 100*				50.0
52.0	27.7	92.3	135 700*	40.4	100.5	127 100*	50.1	105.1	118 400*	58.3	107.5	109 600*	52.0
54.0	21.8	87.7	129 400*	36.5	97.9	121 300*	46.9	103.3	113 000*	55.5	106.2	104 600*	54.0
56.0	13.4	80.9	123 300*	32.2	94.8	115 900*	43.5	101.2	108 000*	52.5	104.6	100 000*	56.0
58.0				27.2	91.1	110 900*	39.9	98.9	103 300*	49.5	102.9	95 600*	58.0
60.0				21.2	86.4	106 000*	36.0	96.2	98 900*	46.2	101.1	91 500*	60.0
62.0				12.6	79.3	101 200*	31.6	93.1	94 700*	42.8	98.9	87 700*	62.0
64.0							26.6	89.3	90 700*	39.1	96.5	84 100*	64.0
66.0							20.4	84.4	86 900*	35.1	93.8	80 600*	66.0
68.0							11.0	76.6	82 900*	30.7	90.5	77 300*	68.0
70.0										25.5	86.6	74 100*	70.0
72.0										18.9	81.4	70 900*	72.0

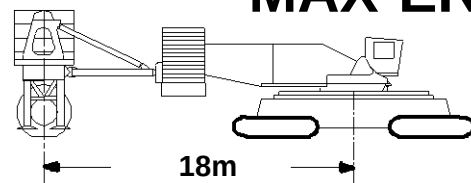
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



21000

MAX-ER

67.1m (220 Ft.) Boom, 54.9m (180 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
24.4	74.1	123.0	282 100*										24.4
26.0	72.3	122.5	281 800*										26.0
28.0	70.1	121.8	271 800*										28.0
30.0	67.8	121.0	251 200*										30.0
32.0	65.5	120.1	234 300*										32.0
34.0	63.2	119.0	219 300*										34.0
36.0	60.8	117.9	205 900*	67.6	120.1	192 400*							36.0
38.0	58.3	116.7	193 800*	65.3	119.1	181 100*							38.0
40.0	55.8	115.4	183 000*	63.0	118.1	170 800*							40.0
42.0	53.2	113.9	173 100*	60.6	117.0	161 600*							42.0
44.0	50.5	112.2	164 100*	58.1	115.8	153 100*							44.0
46.0	47.7	110.4	155 900*	55.6	114.4	145 400*	62.7	116.7	135 000*				46.0
48.0	44.8	108.5	148 300*	53.0	112.9	138 300*	60.3	115.5	128 300*				48.0
50.0	41.7	106.3	141 200*	50.3	111.3	131 700*	57.8	114.3	122 200*				50.0
52.0	38.3	103.8	134 700*	47.5	109.5	125 600*	55.3	112.9	116 500*				52.0
54.0	34.7	101.0	128 700*	44.5	107.5	120 000*	52.7	111.4	111 200*				54.0
56.0	30.8	97.7	123 000*	41.4	105.2	114 700*	50.0	109.7	106 300*	57.3	112.2	97 900*	56.0
58.0	26.2	93.9	117 600*	38.1	102.7	109 700*	47.1	107.9	101 700*	54.8	110.8	93 600*	58.0
60.0	20.7	89.0	112 500*	34.4	99.9	105 100*	44.2	105.9	97 300*	52.2	109.2	89 600*	60.0
62.0	13.1	82.0	107 500*	30.4	96.6	100 600*	41.0	103.6	93 300*	49.4	107.5	85 800*	62.0
64.0				25.8	92.7	96 500*	37.6	101.1	89 400*	46.6	105.7	82 200*	64.0
66.0				20.3	87.8	92 500*	34.0	98.2	85 700*	43.6	103.6	78 900*	66.0
68.0				12.3	80.4	88 400*	29.9	94.8	82 300*	40.4	101.3	75 700*	68.0
70.0							25.2	90.8	79 000*	36.9	98.7	72 600*	70.0
72.0							19.4	85.7	75 700*	33.2	95.7	69 700*	72.0
74.0							10.9	77.7	72 400*	29.0	92.3	66 800*	74.0
76.0										24.2	88.1	64 100*	76.0

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

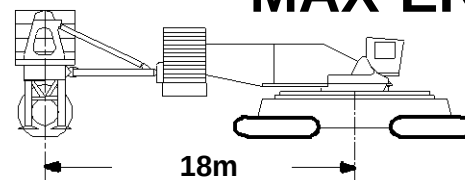
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



67.1m (220 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

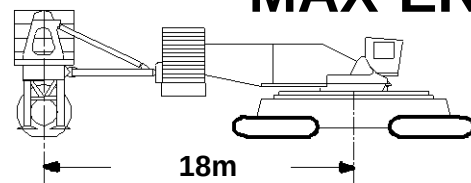
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
25.9	74.2	128.9	246 700*										25.9
26.0	74.1	128.9	246 700*										26.0
28.0	72.1	128.3	246 700*										28.0
30.0	70.1	127.5	244 200*										30.0
32.0	68.1	126.7	233 000*										32.0
34.0	66.1	125.8	218 000*										34.0
36.0	64.0	124.9	204 600*										36.0
38.0	61.8	123.8	192 600*	68.0	125.8	179 600*							38.0
40.0	59.7	122.6	181 800*	65.9	124.9	169 400*							40.0
42.0	57.4	121.4	172 000*	63.8	124.0	160 200*							42.0
44.0	55.2	120.0	163 000*	61.7	122.9	151 800*							44.0
46.0	52.8	118.5	154 800*	59.5	121.7	144 100*							46.0
48.0	50.4	116.8	147 300*	57.3	120.4	137 000*	63.5	122.5	126 800*				48.0
50.0	47.8	115.1	140 300*	55.0	119.0	130 500*	61.4	121.4	120 700*				50.0
52.0	45.2	113.1	133 800*	52.6	117.5	124 400*	59.2	120.2	115 000*				52.0
54.0	42.4	110.9	127 800*	50.2	115.9	118 800*	57.0	118.9	109 800*				54.0
56.0	39.5	108.6	122 200*	47.6	114.1	113 500*	54.7	117.5	104 900*				56.0
58.0	36.4	105.9	117 000*	45.0	112.1	108 600*	52.3	116.0	100 300*	58.8	118.1	92 000*	58.0
60.0	33.0	102.9	110 900*	42.2	109.9	104 100*	49.9	114.3	96 000*	56.5	116.8	88 100*	60.0
62.0	29.3	99.5	105 400*	39.3	107.5	99 800*	47.3	112.5	92 000*	54.2	115.4	84 300*	62.0
64.0	25.0	95.4	100 500*	36.2	104.9	95 700*	44.7	110.5	88 200*	51.8	113.8	80 800*	64.0
66.0	19.9	90.3	96 300*	32.7	101.8	91 800*	41.9	108.3	84 600*	49.4	112.1	77 500*	66.0
68.0	12.8	83.1	93 200*	29.0	98.4	88 200*	38.9	105.9	81 300*	46.8	110.3	74 400*	68.0
70.0				24.7	94.2	84 600*	35.7	103.2	78 000*	44.1	108.3	71 400*	70.0
72.0				19.4	89.0	81 200*	32.3	100.1	75 000*	41.3	106.0	68 500*	72.0
74.0				12.1	81.5	77 900*	28.5	96.5	72 100*	38.3	103.5	65 800*	74.0
76.0							24.1	92.3	69 200*	35.1	100.8	63 200*	76.0
80.0							10.8	78.8	63 500*	27.7	93.9	58 200*	80.0
84.0										17.4	83.8	53 600*	84.0

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

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



21000

MAX-ER

67.1m (220 Ft.) Boom, 67.1m (220 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
27.4	74.3	134.8	216 400*(b)										27.4
28.0	73.8	134.7	216 400*(b)										28.0
30.0	72.0	134.0	216 400*										30.0
32.0	70.2	133.3	216 400*										32.0
34.0	68.4	132.5	210 000*										34.0
36.0	66.5	131.6	201 800*										36.0
38.0	64.6	130.7	191 100*										38.0
40.0	62.7	129.7	180 200*	68.2	131.6	167 400*							40.0
42.0	60.7	128.5	170 400*	66.4	130.7	158 200*							42.0
44.0	58.7	127.3	161 400*	64.5	129.8	149 900*							44.0
46.0	56.7	126.0	153 200*	62.5	128.7	142 200*							46.0
48.0	54.6	124.6	145 700*	60.6	127.6	135 100*							48.0
50.0	52.5	123.1	138 800*	58.6	126.4	128 700*							50.0
52.0	50.2	121.4	132 400*	56.5	125.1	122 700*	62.3	127.3	113 000*				52.0
54.0	48.0	119.7	126 400*	54.4	123.7	117 000*	60.3	126.1	107 800*				54.0
56.0	45.6	117.7	120 800*	52.3	122.1	111 900*	58.3	124.9	102 900*				56.0
58.0	43.1	115.6	115 600*	50.1	120.5	107 000*	56.3	123.6	98 400*				58.0
60.0	40.5	113.3	109 800*	47.8	118.7	102 400*	54.2	122.1	94 100*				60.0
62.0	37.7	110.8	104 200*	45.4	116.7	98 200*	52.0	120.6	90 200*	57.9	122.8	82 200*	62.0
64.0	34.8	107.9	99 000*	42.9	114.6	94 200*	49.8	118.9	86 400*	55.9	121.5	78 800*	64.0
66.0	31.6	104.8	94 300*	40.3	112.3	90 300*	47.5	117.1	82 900*	53.8	120.0	75 400*	66.0
68.0	28.0	101.2	90 000*	37.5	109.7	86 800*	45.1	115.1	79 500*	51.6	118.4	72 400*	68.0
70.0	24.0	96.9	86 200*	34.5	106.9	83 400*	42.6	113.0	76 400*	49.3	116.7	69 400*	70.0
72.0	19.2	91.6	82 900*	31.3	103.7	80 100*	39.9	110.6	73 400*	47.0	114.9	66 700*	72.0
74.0	12.6	84.2	80 600*	27.7	100.0	77 000*	37.1	108.0	70 500*	44.6	112.9	64 000*	74.0
76.0				23.7	95.7	74 000*	34.1	105.2	67 800*	42.1	110.7	61 400*	76.0
80.0				11.9	82.6	68 200*	27.3	98.2	62 600*	36.6	105.7	56 600*	80.0
84.0							18.0	88.2	57 700*	30.2	99.4	52 200*	84.0
88.0										22.2	91.0	48 100*	88.0

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

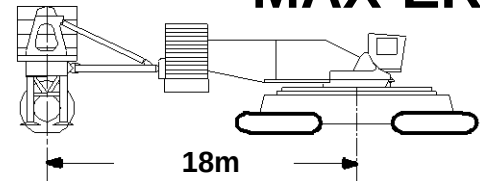
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



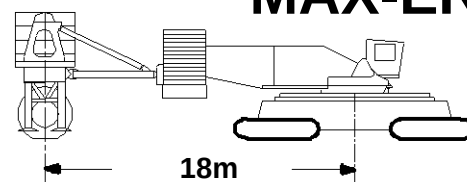
67.1m (220 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
29.0	74.4	140.7	191 000*										29.0
30.0	73.6	140.4	191 000*										30.0
32.0	71.9	139.8	191 000*										32.0
34.0	70.3	139.1	190 800*										34.0
36.0	68.6	138.3	188 200*										36.0
38.0	66.9	137.4	181 500*										38.0
40.0	65.1	136.5	174 900*										40.0
42.0	63.4	135.5	168 000*	68.4	137.4	156 600*							42.0
44.0	61.6	134.4	160 000*	66.7	136.5	148 200*							44.0
46.0	59.8	133.3	151 800*	65.0	135.6	140 500*							46.0
48.0	58.0	132.0	144 300*	63.3	134.6	133 500*							48.0
50.0	56.1	130.7	137 400*	61.5	133.5	127 000*							50.0
52.0	54.1	129.2	131 000*	59.7	132.3	121 000*	64.8	134.1	111 200*				52.0
54.0	52.2	127.7	125 000*	57.8	131.1	115 500*	63.0	133.1	106 000*				54.0
56.0	50.1	126.0	119 500*	55.9	129.7	110 300*	61.3	132.0	101 200*				56.0
58.0	48.0	124.3	114 300*	54.0	128.3	105 500*	59.4	130.8	96 600*				58.0
60.0	45.9	122.3	109 300*	52.0	126.7	100 900*	57.6	129.6	92 500*				60.0
62.0	43.6	120.3	104 000*	50.0	125.1	96 700*	55.7	128.2	88 500*				62.0
64.0	41.3	118.0	99 000*	47.9	123.3	92 700*	53.8	126.8	84 800*	59.1	128.8	76 900*	64.0
66.0	38.8	115.6	94 300*	45.7	121.4	88 900*	51.8	125.2	81 300*	57.2	127.5	73 700*	66.0
68.0	36.2	112.9	89 900*	43.4	119.3	85 400*	49.7	123.5	78 000*	55.3	126.1	70 600*	68.0
70.0	33.3	109.9	85 900*	41.1	117.0	82 000*	47.6	121.7	74 800*	53.4	124.6	67 700*	70.0
72.0	30.3	106.6	82 200*	38.6	114.5	78 800*	45.4	119.8	71 800*	51.4	123.1	64 900*	72.0
74.0	27.0	102.8	78 700*	35.9	111.8	75 800*	43.1	117.7	69 000*	49.3	121.3	62 300*	74.0
76.0	23.1	98.4	75 700*	33.1	108.8	72 900*	40.8	115.4	66 300*	47.2	119.5	59 800*	76.0
80.0	12.4	85.2	71 400*	26.7	101.6	67 500*	35.6	110.1	61 300*	42.7	115.4	55 100*	80.0
84.0				18.2	91.6	62 400*	29.7	103.7	56 600*	37.8	110.5	50 800*	84.0
88.0							22.3	95.2	52 300*	32.2	104.6	46 800*	88.0
92.0							10.7	80.9	48 000*	25.5	97.1	43 100*	92.0
96.0										16.4	86.2	39 600*	96.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



**21000
MAX-ER**

67.1m (220 Ft.) Boom, 79.2m (260 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
30.5	74.5	146.6	168 100*										30.5
32.0	73.4	146.2	168 100*										32.0
34.0	71.8	145.5	168 100*										34.0
36.0	70.3	144.8	168 100*										36.0
38.0	68.8	144.0	167 600*										38.0
40.0	67.2	143.2	162 800*										40.0
42.0	65.6	142.3	157 500*										42.0
44.0	64.0	141.3	151 900*	68.6	143.1	146 300*							44.0
46.0	62.4	140.3	146 200*	67.1	142.3	138 600*							46.0
48.0	60.7	139.2	140 400*	65.5	141.4	131 600*							48.0
50.0	59.0	138.0	134 600*	63.9	140.4	125 100*							50.0
52.0	57.3	136.7	128 900*	62.2	139.4	119 200*							52.0
54.0	55.6	135.3	123 300*	60.6	138.2	113 600*							54.0
56.0	53.8	133.9	117 800*	58.9	137.0	108 500*	63.7	138.9	99 200*				56.0
58.0	51.9	132.3	112 500*	57.2	135.8	103 700*	62.0	137.9	94 700*				58.0
60.0	50.0	130.6	107 300*	55.4	134.4	99 200*	60.4	136.8	90 500*				60.0
62.0	48.1	128.9	102 400*	53.6	132.9	95 000*	58.7	135.5	86 500*				62.0
64.0	46.1	127.0	97 700*	51.8	131.3	91 000*	56.9	134.2	82 800*				64.0
66.0	44.0	124.9	93 200*	49.9	129.7	87 200*	55.2	132.9	79 400*				66.0
68.0	41.9	122.7	89 000*	48.0	127.9	83 700*	53.4	131.4	76 100*	58.3	133.5	68 500*	68.0
70.0	39.6	120.3	85 000*	46.0	126.0	80 400*	51.6	129.8	73 000*	56.6	132.1	65 600*	70.0
72.0	37.3	117.7	81 300*	43.9	123.9	77 200*	49.7	128.1	70 000*	54.8	130.7	62 900*	72.0
74.0	34.8	114.9	77 800*	41.7	121.7	74 200*	47.7	126.3	67 200*	53.0	129.3	60 300*	74.0
76.0	32.1	111.8	74 500*	39.5	119.3	71 400*	45.7	124.4	64 600*	51.2	127.7	57 800*	76.0
80.0	26.0	104.4	68 800*	34.6	113.9	66 100*	41.4	120.1	59 600*	47.3	124.1	53 200*	80.0
84.0	18.0	94.1	64 300*	29.0	107.2	61 200*	36.8	115.0	55 000*	43.2	120.1	49 000*	84.0
88.0				22.1	98.5	56 600*	31.5	109.0	50 900*	38.7	115.3	45 100*	88.0
92.0				11.6	84.7	52 100*	25.3	101.3	47 000*	33.7	109.7	41 500*	92.0
96.0							17.0	90.6	43 200*	28.0	102.8	38 200*	96.0
100.0										20.8	93.7	35 000*	100.0

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 42.7m Mast No. 81

224 390 kg Crane Counterweight

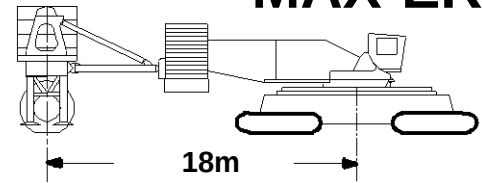
90 720 kg Carbody Counterweight

190 510 kg Wheeled Counterweight

at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



67.1m (220 Ft.) Boom, 85.3m (280 Ft.) Luffing Jib

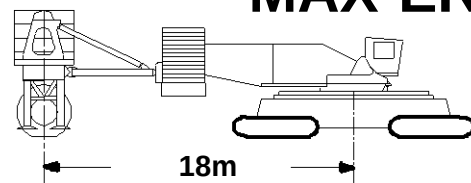
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
32.0	74.6	152.5	147 500*										32.0
34.0	73.2	151.9	147 500*										34.0
36.0	71.8	151.3	147 500*										36.0
38.0	70.3	150.6	147 500*										38.0
40.0	68.9	149.8	147 500*										40.0
42.0	67.4	149.0	146 100*										42.0
44.0	66.0	148.1	142 100*										44.0
46.0	64.5	147.1	137 600*	68.8	148.9	137 100*							46.0
48.0	63.0	146.1	132 900*	67.3	148.1	130 000*							48.0
50.0	61.5	145.0	128 300*	65.9	147.2	123 600*							50.0
52.0	59.9	143.9	123 600*	64.4	146.2	117 700*							52.0
54.0	58.3	142.7	118 800*	62.9	145.2	112 100*							54.0
56.0	56.7	141.3	114 100*	61.3	144.1	107 000*							56.0
58.0	55.1	140.0	109 400*	59.8	143.0	102 200*	64.2	144.8	93 000*				58.0
60.0	53.4	138.5	104 800*	58.2	141.7	97 700*	62.7	143.7	88 800*				60.0
62.0	51.7	136.9	100 400*	56.6	140.4	93 500*	61.1	142.6	84 900*				62.0
64.0	50.0	135.2	96 200*	55.0	139.0	89 500*	59.6	141.5	81 200*				64.0
66.0	48.2	133.5	92 000*	53.3	137.5	85 800*	58.0	140.2	77 800*				66.0
68.0	46.3	131.6	88 000*	51.6	136.0	82 300*	56.4	138.9	74 500*				68.0
70.0	44.4	129.6	84 200*	49.8	134.3	79 000*	54.8	137.5	71 500*				70.0
72.0	42.4	127.4	80 600*	48.0	132.5	75 900*	53.1	136.0	68 500*	57.7	138.1	61 300*	72.0
74.0	40.4	125.1	77 200*	46.2	130.6	72 900*	51.4	134.4	65 700*	56.1	136.8	58 700*	74.0
76.0	38.2	122.6	74 000*	44.3	128.6	70 100*	49.6	132.7	63 100*	54.4	135.4	56 300*	76.0
80.0	33.6	116.9	68 100*	40.2	124.0	64 800*	45.9	129.0	58 200*	51.0	132.3	51 700*	80.0
84.0	28.2	110.0	63 000*	35.8	118.8	60 000*	42.0	124.8	53 700*	47.4	128.7	47 500*	84.0
88.0	21.7	101.2	58 800*	30.8	112.5	55 500*	37.8	119.9	49 600*	43.6	124.7	43 700*	88.0
92.0	12.1	87.4	55 200*	24.9	104.8	51 400*	33.1	114.1	45 800*	39.5	120.1	40 200*	92.0
96.0				17.2	94.0	47 500*	27.6	107.1	42 200*	35.0	114.7	36 900*	96.0
100.0							20.9	97.9	38 900*	29.9	108.3	33 900*	100.0
104.0							10.6	83.1	35 500*	23.9	100.1	31 000*	104.0
108.0										15.6	88.6	28 200*	108.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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

**21000
MAX-ER**



67.1m (220 Ft.) Boom, 91.4m (300 Ft.) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			Jib Oper. Rad. m	80 Degree Boom Angle			Jib Oper. Rad. m	75 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms		Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms		Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
33.5	74.6	158.5	130 000*									33.5
34.0	74.3	158.3	130 000*									34.0
36.0	73.0	157.7	130 000*									36.0
38.0	71.7	157.0	130 000*									38.0
40.0	70.4	156.3	130 000*									40.0
42.0	69.0	155.6	130 000*									42.0
44.0	67.7	154.7	130 000*									44.0
46.0	66.3	153.9	128 000*									46.0
48.0	64.9	152.9	124 400*	68.9	154.7	128 200*						48.0
50.0	63.5	151.9	120 700*	67.6	153.9	121 700*						50.0
52.0	62.1	150.9	116 800*	66.2	153.0	115 800*						52.0
54.0	60.7	149.8	112 800*	64.8	152.0	110 300*						54.0
56.0	59.2	148.6	108 000*	63.4	151.0	105 100*						56.0
58.0	57.7	147.3	103 000*	62.0	150.0	100 400*						58.0
60.0	56.2	146.0	98 100*	60.6	148.8	95 900*	64.6	150.6	86 800*			60.0
62.0	54.7	144.6	93 400*	59.1	147.7	91 700*	63.2	149.6	82 900*			62.0
64.0	53.1	143.1	88 900*	57.6	146.4	87 700*	61.8	148.5	79 300*			64.0
66.0	51.5	141.5	84 400*	56.1	145.1	84 100*	60.4	147.4	75 800*			66.0
68.0	49.9	139.8	80 100*	54.6	143.6	80 600*	58.9	146.2	72 600*			68.0
70.0	48.2	138.1	76 000*	53.0	142.1	77 300*	57.4	144.9	69 500*			70.0
72.0	46.5	136.2	72 100*	51.4	140.6	74 100*	55.9	143.5	66 600*			72.0
74.0	44.7	134.2	68 300*	49.8	138.9	71 200*	54.4	142.1	63 800*			74.0
76.0	42.9	132.1	64 700*	48.1	137.1	68 400*	52.8	140.6	61 300*			76.0
80.0	39.0	127.3	57 700*	44.6	133.2	63 100*	49.6	137.3	56 400*			80.0
84.0	34.8	121.9	51 400*	40.9	128.8	58 400*	46.2	133.6	52 000*			84.0
88.0	30.0	115.4	45 600*	36.8	123.7	54 000*	42.5	129.4	47 900*			88.0
92.0	24.4	107.5	40 300*	32.3	117.7	48 900*	38.6	124.7	44 100*			92.0
96.0	17.2	96.6	35 600*	27.2	110.5	43 300*	34.3	119.1	40 600*			96.0
100.0				20.8	101.3	38 300*	29.5	112.5	37 400*			100.0
104.0				11.4	86.9	34 100*	23.8	104.3	34 300*			104.0
108.0							16.2	93.0	31 400*			108.0

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 42.7m Mast No. 81

224 390 kg Crane Counterweight

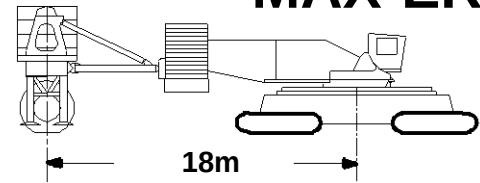
90 720 kg Carbody Counterweight

190 510 kg Wheeled Counterweight

at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



73.2m (240 Ft.) Boom, 36.6m (120 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	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	295 200*b										26.0
28.0	60.1	107.8	272 900*b										28.0
30.0	56.3	106.5	253 600*b										30.0
32.0	52.4	105.0	236 600*b	64.3	108.2	221 200*b							32.0
34.0	48.2	103.2	221 500*	60.7	107.1	207 100*b							34.0
36.0	43.7	101.2	207 900*	57.0	105.8	194 500*b							36.0
38.0	38.8	98.8	195 700*	53.1	104.4	183 100*b							38.0
40.0	33.3	95.8	184 600*	49.0	102.7	172 800*	61.2	105.8	160 700*b				40.0
42.0	26.7	92.1	174 400*	44.6	100.7	163 400*	57.5	104.6	152 000*b				42.0
44.0	17.8	86.8	164 800*	39.8	98.3	154 900*	53.7	103.1	144 100*b				44.0
46.0				34.4	95.5	146 900*	49.6	101.4	136 800*				46.0
48.0				28.0	92.0	139 500*	45.2	99.5	130 000*	57.8	102.7	120 300*b	48.0
50.0				19.8	87.1	132 500*	40.4	97.2	123 800*	53.9	101.2	114 500*b	50.0
52.0							35.1	94.5	117 900*	49.8	99.6	109 100*	52.0
54.0							29.0	91.1	112 400*	45.5	97.6	104 100*	54.0
56.0							21.1	86.5	107 100*	40.7	95.4	99 400*	56.0
58.0										35.5	92.7	95 000*	58.0
60.0										29.4	89.3	90 700*	60.0
62.0										21.6	84.8	86 600*	62.0
64.0										7.8	76.2	82 300*	64.0

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

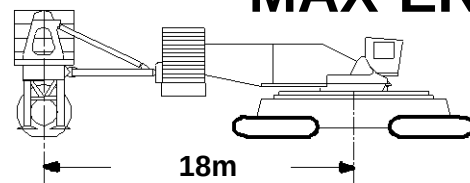
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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

**21000
MAX-ER**



73.2m (240 Ft.) Boom, 42.7m (140 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	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	293 700*b										26.0
28.0	64.7	114.8	271 600*b										28.0
30.0	61.7	113.7	252 300*b										30.0
32.0	58.5	112.5	235 400*b	68.2	115.0	219 300*b							32.0
34.0	55.3	111.1	220 400*	65.3	114.1	205 300*b							34.0
36.0	51.9	109.6	206 900*	62.3	113.0	192 800*b							36.0
38.0	48.3	107.8	194 800*	59.1	111.8	181 500*b							38.0
40.0	44.5	105.8	183 900*	55.9	110.5	171 300*							40.0
42.0	40.4	103.5	174 000*	52.5	109.0	162 100*	62.7	111.7	150 100*b				42.0
44.0	36.0	100.9	164 900*	49.0	107.3	153 600*	59.6	110.5	142 200*b				44.0
46.0	30.9	97.7	156 400*	45.2	105.3	145 900*	56.3	109.2	135 000*				46.0
48.0	24.9	93.7	148 600*	41.2	103.1	138 700*	53.0	107.7	128 400*				48.0
50.0	16.8	88.0	141 200*	36.8	100.5	132 100*	49.5	106.0	122 300*				50.0
52.0				31.9	97.4	125 900*	45.8	104.1	116 600*	56.5	107.3	107 200*	52.0
54.0				26.1	93.6	120 000*	41.8	101.9	111 300*	53.2	105.8	102 200*	54.0
56.0				18.6	88.4	114 400*	37.4	99.4	106 200*	49.7	104.2	97 700*	56.0
58.0							32.6	96.4	101 600*	46.0	102.3	93 400*	58.0
60.0							27.0	92.7	97 100*	42.0	100.1	89 400*	60.0
62.0							19.8	87.8	92 800*	37.7	97.6	85 500*	62.0
64.0							6.8	78.3	88 200*	32.9	94.6	81 900*	64.0
66.0										27.3	91.0	78 400*	66.0
68.0										20.3	86.1	75 000*	68.0
70.0										8.2	77.4	71 300*	70.0

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

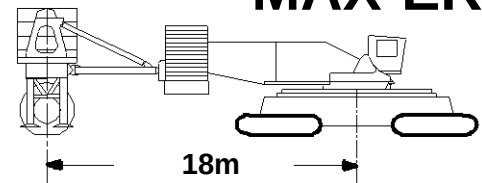
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



73.2m (240 Ft.) Boom, 48.8m (160 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
22.9			c										22.9
24.0			c										24.0
26.0	70.6	122.3	288 100*b										26.0
28.0	68.1	121.5	271 000*b										28.0
30.0	65.5	120.6	251 200*b										30.0
32.0	62.9	119.6	234 400*b										32.0
34.0	60.2	118.4	219 400*	68.6	120.7	204 000*b							34.0
36.0	57.4	117.2	206 000*	66.0	119.9	191 400*b							36.0
38.0	54.5	115.7	194 000*	63.4	118.9	180 200*b							38.0
40.0	51.5	114.2	183 200*	60.7	117.7	170 100*							40.0
42.0	48.4	112.4	173 300*	57.9	116.5	161 000*							42.0
44.0	45.1	110.5	164 400*	55.1	115.1	152 600*							44.0
46.0	41.6	108.2	156 100*	52.1	113.6	144 900*	61.1	116.4	133 700*				46.0
48.0	37.8	105.7	148 500*	49.0	111.9	137 800*	58.3	115.2	127 100*				48.0
50.0	33.7	102.8	141 400*	45.7	109.9	131 300*	55.4	113.9	121 000*				50.0
52.0	29.0	99.4	134 300*	42.3	107.8	125 200*	52.5	112.3	115 400*				52.0
54.0	23.5	95.1	127 600*	38.6	105.3	119 500*	49.4	110.6	110 200*	58.5	113.3	100 800*	54.0
56.0	16.1	89.2	122 300*	34.5	102.5	114 200*	46.2	108.8	105 300*	55.6	111.9	96 300*	56.0
58.0				29.9	99.2	109 200*	42.8	106.6	100 700*	52.7	110.4	92 100*	58.0
60.0				24.6	95.1	104 500*	39.1	104.2	96 400*	49.6	108.8	88 100*	60.0
62.0				17.7	89.6	99 900*	35.1	101.5	92 300*	46.4	106.9	84 400*	62.0
64.0				2.6	76.9	94 900*	30.6	98.2	88 500*	43.0	104.8	80 900*	64.0
66.0							25.4	94.3	84 800*	39.3	102.4	77 600*	66.0
68.0							18.8	89.0	81 200*	35.3	99.6	74 400*	68.0
70.0							7.4	79.5	77 400*	30.9	96.4	71 400*	70.0
72.0										25.7	92.5	68 300*	72.0
74.0										19.2	87.4	65 400*	74.0
76.0										8.6	78.5	62 300*	76.0

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

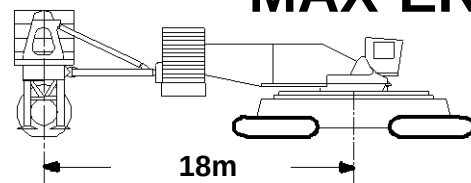
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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

**21000
MAX-ER**



73.2m (240 Ft.) Boom, 54.9m (180 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
24.4			^c										24.4
26.0	72.9	128.7	255 100* ^b										26.0
28.0	70.7	128.0	253 000* ^b										28.0
30.0	68.4	127.3	244 400* ^b										30.0
32.0	66.1	126.4	232 700* ^b										32.0
34.0	63.8	125.4	217 800*										34.0
36.0	61.4	124.3	204 500*	68.8	126.5	189 500* ^b							36.0
38.0	59.0	123.1	192 500*	66.6	125.6	178 300* ^b							38.0
40.0	56.5	121.8	181 700*	64.2	124.7	168 200*							40.0
42.0	53.9	120.4	171 900*	61.9	123.6	159 100*							42.0
44.0	51.2	118.8	163 000*	59.4	122.4	150 800*							44.0
46.0	48.5	117.0	154 800*	57.0	121.2	143 200*	64.5	123.4	131 600*				46.0
48.0	45.6	115.1	147 300*	54.4	119.7	136 100*	62.2	122.3	125 000*				48.0
50.0	42.5	112.9	139 500*	51.8	118.2	129 700*	59.8	121.2	119 000*				50.0
52.0	39.2	110.5	131 500*	49.0	116.5	123 700*	57.3	119.9	113 400*				52.0
54.0	35.7	107.8	124 300*	46.1	114.6	118 100*	54.7	118.5	108 300*				54.0
56.0	31.9	104.7	117 700*	43.1	112.5	112 900*	52.1	116.9	103 400*				56.0
58.0	27.5	101.0	111 800*	39.9	110.1	108 000*	49.4	115.2	99 000*	57.4	118.0	89 900*	58.0
60.0	22.3	96.5	106 800*	36.4	107.5	103 400*	46.5	113.4	94 700*	54.9	116.6	86 100*	60.0
62.0	15.5	90.3	102 900*	32.6	104.4	99 100*	43.5	111.3	90 700*	52.3	115.0	82 400*	62.0
64.0				28.4	100.9	94 900*	40.3	109.0	87 000*	49.5	113.4	79 000*	64.0
66.0				23.4	96.6	91 000*	36.9	106.4	83 500*	46.7	111.5	75 700*	66.0
68.0				17.0	90.8	87 200*	33.1	103.4	80 100*	43.7	109.4	72 600*	68.0
70.0				4.7	79.2	83 000*	29.0	99.9	76 900*	40.5	107.1	69 700*	70.0
72.0							24.1	95.7	73 700*	37.1	104.5	66 900*	72.0
74.0							18.0	90.2	70 700*	33.4	101.6	64 200*	74.0
76.0							7.8	80.7	67 500*	29.2	98.2	61 500*	76.0
80.0										18.4	88.6	56 500*	80.0

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

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

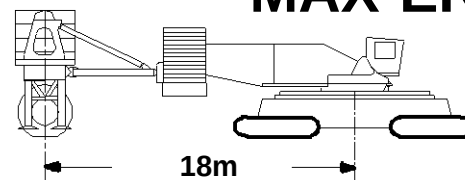
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



73.2m (240 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

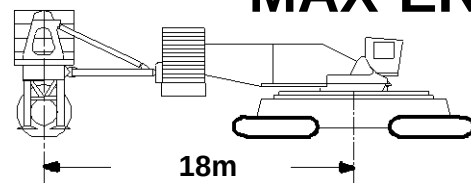
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
25.9	74.7	135.2	225 100*b										25.9
26.0	74.6	135.1	225 100*b										26.0
28.0	72.7	134.5	225 100*b										28.0
30.0	70.7	133.8	224 000*b										30.0
32.0	68.7	133.0	217 300*										32.0
34.0	66.6	132.2	208 500*										34.0
36.0	64.5	131.2	199 300*										36.0
38.0	62.4	130.2	189 900*										38.0
40.0	60.2	129.0	180 400*	67.0	131.4	166 700*							40.0
42.0	58.0	127.8	170 800*	64.9	130.5	157 600*							42.0
44.0	55.8	126.4	161 900*	62.8	129.5	149 400*							44.0
46.0	53.4	125.0	153 400*	60.7	128.4	141 800*							46.0
48.0	51.0	123.4	145 000*	58.4	127.1	134 800*							48.0
50.0	48.5	121.6	137 000*	56.2	125.8	128 400*	63.1	128.2	117 500*				50.0
52.0	45.9	119.7	129 500*	53.9	124.4	122 400*	60.9	127.1	111 900*				52.0
54.0	43.2	117.6	122 400*	51.5	122.8	116 800*	58.7	125.9	106 800*				54.0
56.0	40.3	115.3	115 900*	49.0	121.1	111 700*	56.5	124.5	102 000*				56.0
58.0	37.3	112.7	109 800*	46.4	119.2	106 800*	54.2	123.1	97 600*				58.0
60.0	33.9	109.8	104 200*	43.7	117.1	102 300*	51.8	121.5	93 400*	58.9	123.9	84 500*	60.0
62.0	30.3	106.5	99 200*	40.9	114.8	98 100*	49.3	119.8	89 400*	56.6	122.6	80 900*	62.0
64.0	26.2	102.6	94 600*	37.8	112.3	94 100*	46.8	118.0	85 700*	54.3	121.2	77 400*	64.0
66.0	21.4	97.9	90 700*	34.6	109.5	90 300*	44.1	115.9	82 200*	51.9	119.6	74 200*	66.0
68.0	15.0	91.5	87 700*	31.0	106.3	86 700*	41.3	113.7	78 900*	49.5	118.0	71 200*	68.0
70.0				27.0	102.5	83 200*	38.3	111.2	75 800*	46.9	116.1	68 400*	70.0
72.0				22.4	98.0	79 900*	35.0	108.4	72 800*	44.2	114.1	65 600*	72.0
74.0				16.4	92.0	76 700*	31.5	105.3	70 000*	41.4	111.8	62 900*	74.0
76.0				5.7	80.7	73 100*	27.6	101.6	67 300*	38.4	109.4	60 400*	76.0
80.0							17.3	91.5	61 900*	31.7	103.5	55 700*	80.0
84.0										23.3	95.5	51 300*	84.0
88.0										8.9	80.7	46 800*	88.0

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

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



**21000
MAX-ER**

73.2m (240 Ft.) Boom, 67.1m (220 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
27.4	74.8	141.1	198 700*										27.4
28.0	74.3	140.9	198 700*										28.0
30.0	72.5	140.3	198 700*										30.0
32.0	70.7	139.6	198 700*										32.0
34.0	68.9	138.8	193 900*										34.0
36.0	67.0	137.9	186 600*										36.0
38.0	65.1	137.0	179 100*										38.0
40.0	63.2	136.0	171 400*	69.2	138.0	164 800*							40.0
42.0	61.3	134.9	163 700*	67.3	137.2	155 600*							42.0
44.0	59.3	133.7	155 900*	65.5	136.3	147 400*							44.0
46.0	57.2	132.5	148 300*	63.6	135.3	139 800*							46.0
48.0	55.2	131.1	140 900*	61.6	134.2	132 900*							48.0
50.0	53.0	129.6	133 800*	59.6	133.1	126 500*							50.0
52.0	50.8	128.0	126 800*	57.6	131.8	120 600*	63.8	134.0	109 800*				52.0
54.0	48.6	126.2	120 300*	55.6	130.4	115 100*	61.9	132.9	104 700*				54.0
56.0	46.2	124.3	114 100*	53.4	129.0	109 900*	59.9	131.8	99 900*				56.0
58.0	43.8	122.3	108 200*	51.3	127.4	105 100*	57.9	130.5	95 500*				58.0
60.0	41.2	120.0	102 800*	49.0	125.7	100 600*	55.8	129.2	91 400*				60.0
62.0	38.5	117.5	97 600*	46.7	123.8	96 500*	53.7	127.7	87 500*				62.0
64.0	35.6	114.8	92 900*	44.2	121.8	92 500*	51.5	126.1	83 800*	58.0	128.6	75 300*	64.0
66.0	32.4	111.7	88 600*	41.7	119.5	88 800*	49.3	124.4	80 400*	56.0	127.3	72 100*	66.0
68.0	29.0	108.2	84 600*	39.0	117.1	85 200*	47.0	122.6	77 100*	53.9	125.8	69 100*	68.0
70.0	25.1	104.2	81 100*	36.1	114.4	81 900*	44.6	120.6	74 000*	51.7	124.2	66 300*	70.0
72.0	20.6	99.2	78 000*	33.0	111.4	78 700*	42.0	118.4	71 100*	49.4	122.6	63 600*	72.0
74.0	14.6	92.6	75 700*	29.7	108.0	75 600*	39.4	116.0	68 400*	47.1	120.7	61 000*	74.0
76.0				25.9	104.1	72 700*	36.5	113.4	65 700*	44.7	118.7	58 600*	76.0
80.0				15.9	93.1	67 100*	30.1	107.1	60 700*	39.5	114.2	54 000*	80.0
84.0							22.1	98.6	56 000*	33.7	108.6	49 800*	84.0
88.0							8.3	83.0	51 200*	26.7	101.5	45 800*	88.0
92.0										17.1	91.1	42 000*	92.0

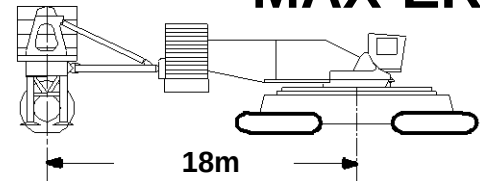
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



73.2m (240 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

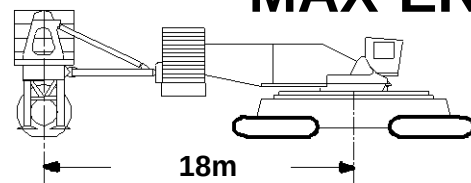
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
29.0	74.9	147.0	176 200*										29.0
30.0	74.0	146.7	176 200*										30.0
32.0	72.4	146.0	176 200*										32.0
34.0	70.7	145.3	176 200*										34.0
36.0	69.0	144.6	173 600*										36.0
38.0	67.3	143.7	167 900*										38.0
40.0	65.6	142.8	161 900*										40.0
42.0	63.9	141.8	155 600*										42.0
44.0	62.1	140.8	149 200*	67.6	143.0	145 700*							44.0
46.0	60.3	139.7	142 900*	65.9	142.1	138 100*							46.0
48.0	58.5	138.4	136 400*	64.2	141.1	131 200*							48.0
50.0	56.6	137.1	130 200*	62.4	140.1	124 900*							50.0
52.0	54.7	135.7	124 200*	60.6	139.0	118 900*							52.0
54.0	52.7	134.2	118 300*	58.8	137.8	113 400*	64.4	139.8	102 900*				54.0
56.0	50.7	132.6	112 600*	56.9	136.5	108 300*	62.7	138.8	98 200*				56.0
58.0	48.6	130.8	107 200*	55.0	135.1	103 600*	60.9	137.7	93 800*				58.0
60.0	46.5	128.9	102 000*	53.1	133.6	99 100*	59.0	136.5	89 700*				60.0
62.0	44.2	126.9	97 100*	51.1	132.0	94 900*	57.2	135.2	85 800*				62.0
64.0	41.9	124.7	92 500*	49.0	130.3	91 000*	55.3	133.8	82 200*				64.0
66.0	39.4	122.3	88 200*	46.9	128.4	87 300*	53.3	132.3	78 700*	59.2	134.6	70 300*	66.0
68.0	36.9	119.7	84 200*	44.6	126.4	83 800*	51.3	130.7	75 500*	57.3	133.3	67 300*	68.0
70.0	34.1	116.8	80 400*	42.3	124.2	80 500*	49.3	129.0	72 500*	55.4	131.9	64 500*	70.0
72.0	31.1	113.6	77 000*	39.9	121.9	77 300*	47.1	127.2	69 500*	53.5	130.4	61 900*	72.0
74.0	27.9	109.9	73 900*	37.4	119.3	74 300*	44.9	125.2	66 800*	51.5	128.9	59 300*	74.0
76.0	24.2	105.7	71 100*	34.6	116.5	71 500*	42.6	123.1	64 200*	49.4	127.2	56 900*	76.0
80.0	14.3	93.7	66 900*	28.5	109.7	66 200*	37.7	118.2	59 300*	45.1	123.3	52 300*	80.0
84.0				20.8	100.7	61 200*	32.1	112.3	54 800*	40.4	118.9	48 200*	84.0
88.0				6.8	83.3	56 100*	25.4	104.8	50 600*	35.2	113.6	44 400*	88.0
92.0							16.3	93.8	46 500*	29.2	107.0	40 900*	92.0
96.0										21.6	98.3	37 500*	96.0
100.0										9.2	82.9	34 000*	100.0

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

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



**21000
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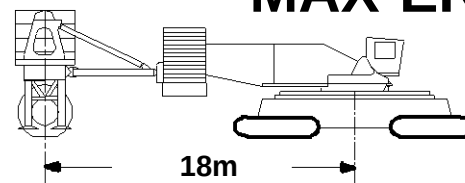
73.2m (240 Ft.) Boom, 79.2m (260 Ft.) Luffing Jib

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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
30.5	74.9	152.9	155 400*										30.5
32.0	73.8	152.4	155 400*										32.0
34.0	72.2	151.8	155 400*										34.0
36.0	70.7	151.1	155 400*										36.0
38.0	69.2	150.3	155 200*										38.0
40.0	67.6	149.5	150 800*										40.0
42.0	66.0	148.6	146 000*										42.0
44.0	64.4	147.7	140 900*										44.0
46.0	62.8	146.6	135 700*	67.9	148.8	136 100*							46.0
48.0	61.1	145.5	130 500*	66.3	147.9	129 300*							48.0
50.0	59.5	144.4	125 200*	64.7	146.9	122 900*							50.0
52.0	57.8	143.1	119 900*	63.1	145.9	117 000*							52.0
54.0	56.0	141.8	114 700*	61.5	144.8	111 500*							54.0
56.0	54.2	140.3	109 600*	59.8	143.7	106 500*							56.0
58.0	52.4	138.8	104 800*	58.1	142.4	101 700*	63.3	144.6	91 700*				58.0
60.0	50.6	137.2	100 100*	56.3	141.1	97 300*	61.7	143.5	87 600*				60.0
62.0	48.6	135.4	95 500*	54.6	139.7	93 100*	60.0	142.4	83 800*				62.0
64.0	46.7	133.6	91 200*	52.8	138.2	89 200*	58.3	141.2	80 200*				64.0
66.0	44.6	131.5	87 000*	50.9	136.6	85 600*	56.6	139.8	76 800*				66.0
68.0	42.5	129.4	83 100*	49.0	134.9	82 100*	54.8	138.4	73 600*				68.0
70.0	40.3	127.1	79 500*	47.0	133.0	78 800*	53.0	136.9	70 500*	58.4	139.2	62 400*	70.0
72.0	37.9	124.5	76 000*	45.0	131.0	75 700*	51.2	135.3	67 700*	56.7	137.9	59 800*	72.0
74.0	35.5	121.8	72 800*	42.9	128.9	72 700*	49.3	133.6	64 900*	54.9	136.5	57 300*	74.0
76.0	32.8	118.7	69 800*	40.7	126.6	69 900*	47.3	131.8	62 400*	53.1	135.0	54 900*	76.0
80.0	26.9	111.6	64 500*	35.9	121.4	64 700*	43.2	127.7	57 600*	49.4	131.8	50 400*	80.0
84.0	19.3	101.8	60 300*	30.5	115.1	59 900*	38.7	123.0	53 100*	45.4	128.0	46 300*	84.0
88.0				24.1	107.1	55 400*	33.7	117.4	49 000*	41.1	123.6	42 600*	88.0
92.0				15.1	95.4	51 100*	27.9	110.5	45 200*	36.4	118.5	39 100*	92.0
96.0							20.7	101.3	41 600*	31.1	112.3	35 900*	96.0
100.0							8.7	85.2	37 900*	24.8	104.6	32 900*	100.0
104.0										16.2	93.4	30 000*	104.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



**21000
MAX-ER**

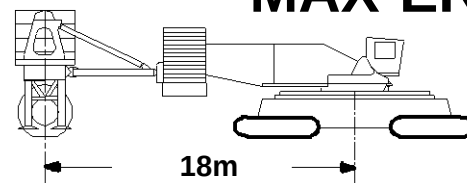
73.2m (240 Ft.) Boom, 85.3m (280 Ft.) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	
32.0	75.0	158.8	137 800*							32.0
34.0	73.6	158.2	137 800*							34.0
36.0	72.1	157.5	137 800*							36.0
38.0	70.7	156.8	137 800*							38.0
40.0	69.3	156.1	137 700*							40.0
42.0	67.8	155.3	136 100*							42.0
44.0	66.4	154.4	131 800*							44.0
46.0	64.9	153.5	127 700*	69.6	155.3	134 600*				46.0
48.0	63.4	152.5	123 400*	68.1	154.5	127 700*				48.0
50.0	61.9	151.4	119 100*	66.6	153.7	121 300*				50.0
52.0	60.3	150.3	114 700*	65.2	152.7	115 500*				52.0
54.0	58.8	149.1	110 300*	63.7	151.8	110 000*				54.0
56.0	57.2	147.8	105 900*	62.2	150.7	104 900*				56.0
58.0	55.5	146.4	101 600*	60.6	149.6	100 200*				58.0
60.0	53.9	145.0	97 400*	59.0	148.4	95 800*	63.9	150.4	86 000*	60.0
62.0	52.2	143.4	93 300*	57.5	147.1	91 700*	62.4	149.4	82 100*	62.0
64.0	50.4	141.8	89 300*	55.8	145.8	87 800*	60.8	148.3	78 500*	64.0
66.0	48.7	140.0	85 500*	54.2	144.3	84 100*	59.3	147.1	75 200*	66.0
68.0	46.8	138.2	81 900*	52.5	142.8	80 700*	57.7	145.8	72 000*	68.0
70.0	44.9	136.2	78 400*	50.8	141.2	77 400*	56.1	144.5	69 000*	70.0
72.0	43.0	134.1	75 000*	49.0	139.5	74 300*	54.4	143.1	66 100*	72.0
74.0	40.9	131.8	71 900*	47.2	137.6	71 400*	52.7	141.6	63 400*	74.0
76.0	38.8	129.3	68 900*	45.3	135.7	68 600*	51.0	140.0	60 900*	76.0
80.0	34.2	123.8	63 500*	41.3	131.3	63 400*	47.4	136.4	56 100*	80.0
84.0	29.0	117.1	58 800*	37.0	126.3	58 700*	43.6	132.4	51 700*	84.0
88.0	22.7	108.6	54 900*	32.2	120.3	54 300*	39.5	127.8	47 700*	88.0
92.0	13.8	95.9	52 200*	26.6	113.0	50 200*	35.0	122.4	44 000*	92.0
96.0				19.6	103.3	46 400*	29.9	115.9	40 500*	96.0
100.0							23.8	107.8	37 300*	100.0
104.0							15.5	96.2	34 100*	104.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



**21000
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73.2m (240 Ft.) Boom, 91.4m (300 Ft.) Luffing Jib

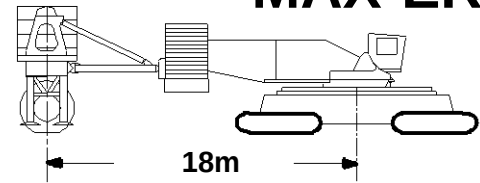
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
33.5	75.0	164.7	122 000*							33.5
34.0	74.7	164.5	122 000*							34.0
36.0	73.4	163.9	122 000*							36.0
38.0	72.1	163.3	122 000*							38.0
40.0	70.7	162.6	122 000*							40.0
42.0	69.4	161.8	122 000*							42.0
44.0	68.0	161.0	121 800*							44.0
46.0	66.7	160.2	118 900*							46.0
48.0	65.3	159.3	115 500*							48.0
50.0	63.9	158.3	112 100*	68.3	160.3	119 400*				50.0
52.0	62.5	157.3	108 500*	66.9	159.4	113 500*				52.0
54.0	61.1	156.1	104 900*	65.6	158.5	108 100*				54.0
56.0	59.6	155.0	101 200*	64.2	157.6	103 000*				56.0
58.0	58.1	153.7	97 500*	62.8	156.5	98 300*				58.0
60.0	56.6	152.4	93 900*	61.3	155.5	94 000*				60.0
62.0	55.1	151.0	90 300*	59.9	154.3	89 800*				62.0
64.0	53.6	149.6	86 800*	58.4	153.1	85 900*	62.9	155.2	76 500*	64.0
66.0	52.0	148.0	83 300*	56.9	151.8	82 300*	61.5	154.2	73 100*	66.0
68.0	50.3	146.4	80 000*	55.4	150.4	78 900*	60.1	153.0	70 000*	68.0
70.0	48.7	144.6	76 700*	53.8	149.0	75 600*	58.6	151.8	67 000*	70.0
72.0	47.0	142.8	72 900*	52.3	147.4	72 600*	57.1	150.5	64 200*	72.0
74.0	45.2	140.8	69 100*	50.6	145.8	69 600*	55.6	149.1	61 500*	74.0
76.0	43.4	138.7	65 500*	49.0	144.1	66 900*	54.1	147.7	58 900*	76.0
80.0	39.6	134.1	58 600*	45.5	140.3	61 700*	50.9	144.6	54 200*	80.0
84.0	35.4	128.7	52 200*	41.9	136.0	57 000*	47.5	141.0	49 900*	84.0
88.0	30.7	122.4	46 300*	37.9	131.1	52 700*	44.0	137.0	45 900*	88.0
92.0	25.3	114.7	41 000*	33.6	125.4	48 800*	40.2	132.5	42 300*	92.0
96.0	18.3	104.4	36 300*	28.6	118.6	44 800*	36.1	127.3	38 900*	96.0
100.0				22.7	110.0	39 600*	31.5	121.2	35 700*	100.0
104.0				14.5	97.7	35 100*	26.2	113.7	32 800*	104.0
108.0							19.6	103.9	29 900*	108.0
112.0							8.9	87.4	26 900*	112.0

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



79.2m (260 Ft.) Boom, 36.6m (120 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
21.3			c										21.3
22.0			c										22.0
24.0			c										24.0
26.0	64.6	115.3	293 100*b										26.0
28.0	61.0	114.2	271 000*b										28.0
30.0	57.3	112.9	251 800*b										30.0
32.0	53.4	111.5	234 900*b			c							32.0
34.0	49.3	109.8	219 800*b	62.7	113.7	203 800*b							34.0
36.0	44.9	107.8	206 400*	59.0	112.6	191 300*b							36.0
38.0	40.2	105.5	194 300*	55.2	111.2	180 100*b							38.0
40.0	34.8	102.7	183 300*	51.2	109.6	170 000*b	64.1	112.6	156 400*b				40.0
42.0	28.6	99.3	173 200*	47.0	107.8	160 800*	60.5	111.5	147 800*b				42.0
44.0	20.6	94.6	163 800*	42.4	105.6	152 300*	56.7	110.2	140 100*b				44.0
46.0				37.3	103.1	144 500*	52.8	108.7	133 000*b				46.0
48.0				31.5	100.0	137 300*	48.7	106.9	126 500*b				48.0
50.0				24.5	96.0	130 500*	44.2	104.9	120 400*				50.0
52.0							39.4	102.6	114 700*	54.1	107.0	104 700*b	52.0
54.0							33.9	99.7	109 300*	50.0	105.4	99 900*b	54.0
56.0							27.5	96.1	104 300*	45.7	103.4	95 400*	56.0
58.0							19.0	91.1	99 400*	40.9	101.2	91 100*	58.0
60.0										35.7	98.5	87 100*	60.0
62.0										29.6	95.2	83 200*	62.0
64.0										22.0	90.8	79 500*	64.0

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

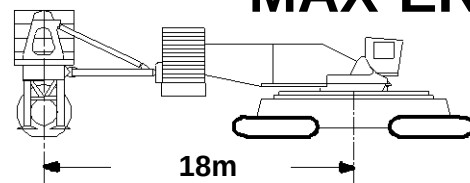
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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

**21000
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79.2m (260 Ft.) Boom, 42.7m (140 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
22.9			c										22.9
24.0			c										24.0
26.0	68.5	122.0	284 300*b										26.0
28.0	65.5	121.1	269 700*b										28.0
30.0	62.5	120.1	250 500*b										30.0
32.0	59.4	118.9	233 600*b			c							32.0
34.0	56.2	117.6	218 700*b	66.9	120.6	201 900*b							34.0
36.0	52.8	116.1	205 300*	63.9	119.6	189 500*b							36.0
38.0	49.3	114.4	193 400*	60.8	118.5	178 400*b							38.0
40.0	45.6	112.4	182 500*	57.6	117.2	168 400*b							40.0
42.0	41.6	110.2	172 700*	54.3	115.8	159 300*							42.0
44.0	37.2	107.7	162 800*	50.9	114.2	151 000*	62.0	117.4	138 200*b				44.0
46.0	32.3	104.6	153 300*	47.3	112.4	143 300*	58.9	116.2	131 100*b				46.0
48.0	26.6	100.9	145 000*	43.4	110.3	136 300*	55.6	114.8	124 700*b				48.0
50.0	19.3	95.9	138 300*	39.2	107.9	129 800*	52.3	113.3	118 700*				50.0
52.0				34.6	105.1	123 700*	48.7	111.5	113 200*				52.0
54.0				29.3	101.7	117 900*	45.0	109.6	108 000*	56.7	113.1	97 900*b	54.0
56.0				22.9	97.4	112 500*	40.9	107.3	103 100*	53.3	111.6	93 400*	56.0
58.0							36.5	104.7	98 600*	49.8	110.0	89 300*	58.0
60.0							31.5	101.6	94 300*	46.2	108.1	85 500*	60.0
62.0							25.6	97.7	90 200*	42.2	105.9	81 800*	62.0
64.0							17.9	92.3	86 100*	37.9	103.4	78 300*	64.0
66.0										33.1	100.5	75 000*	66.0
68.0										27.6	96.9	71 800*	68.0
70.0										20.6	92.1	68 700*	70.0

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

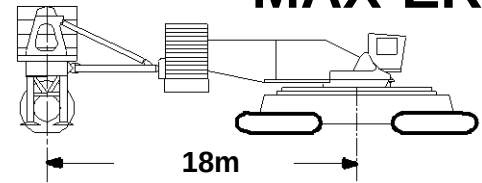
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



79.2m (260 Ft.) Boom, 48.8m (160 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
24.4			^c										24.4
26.0	71.3	128.6	260 500* ^b										26.0
28.0	68.8	127.8	252 400* ^b										28.0
30.0	66.2	126.9	240 400* ^b										30.0
32.0	63.6	125.9	228 100* ^b										32.0
34.0	60.9	124.8	215 700* ^b										34.0
36.0	58.1	123.6	203 400*	67.4	126.3	188 200* ^b							36.0
38.0	55.3	122.2	191 500*	64.8	125.4	177 100* ^b							38.0
40.0	52.3	120.7	180 000*	62.1	124.4	167 100* ^b							40.0
42.0	49.2	119.0	169 100*	59.4	123.2	158 100*							42.0
44.0	46.0	117.1	158 900*	56.6	121.9	149 800*							44.0
46.0	42.6	114.9	149 300*	53.7	120.4	142 300*	63.2	123.2	129 700* ^b				46.0
48.0	38.9	112.5	140 600*	50.7	118.8	135 300*	60.5	122.1	123 300* ^b				48.0
50.0	34.8	109.7	132 700*	47.5	117.0	128 900*	57.7	120.8	117 400*				50.0
52.0	30.3	106.4	125 500*	44.1	115.0	122 900*	54.8	119.4	111 900*				52.0
54.0	25.1	102.4	119 400*	40.6	112.7	117 400*	51.9	117.9	106 800*				54.0
56.0	18.4	97.1	114 400*	36.7	110.1	112 100*	48.8	116.1	102 100*				56.0
58.0				32.4	107.0	107 200*	45.5	114.2	97 600*	55.7	117.7	87 900*	58.0
60.0				27.6	103.4	102 600*	42.0	112.0	93 400*	52.8	116.2	84 100*	60.0
62.0				21.6	98.8	98 200*	38.3	109.6	89 500*	49.7	114.6	80 500*	62.0
64.0				13.2	91.9	93 800*	34.2	106.7	85 700*	46.5	112.7	77 200*	64.0
66.0							29.6	103.3	82 200*	43.1	110.6	74 000*	66.0
68.0							24.1	99.2	78 800*	39.5	108.2	70 900*	68.0
70.0							17.1	93.5	75 400*	35.5	105.5	68 000*	70.0
72.0										31.1	102.3	65 200*	72.0
74.0										26.0	98.4	62 500*	74.0
76.0										19.6	93.4	59 800*	76.0

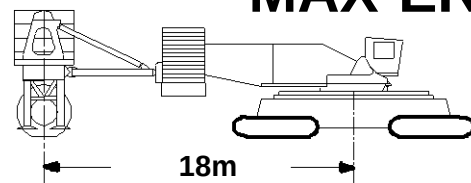
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



21000

MAX-ER

79.2m (260 Ft.) Boom, 54.9m (180 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
25.9	73.5	135.0	231 400*b										25.9
26.0	73.4	135.0	231 400*b										26.0
28.0	71.2	134.3	230 300*b										28.0
30.0	69.0	133.5	224 100*b										30.0
32.0	66.7	132.7	214 200*b										32.0
34.0	64.4	131.7	204 100*										34.0
36.0	62.1	130.7	193 800*										36.0
38.0	59.6	129.5	183 600*	67.8	132.1	175 000*b							38.0
40.0	57.2	128.2	173 600*	65.5	131.2	165 100*b							40.0
42.0	54.6	126.8	164 000*	63.1	130.2	156 200*							42.0
44.0	52.0	125.3	154 600*	60.7	129.1	147 900*							44.0
46.0	49.2	123.6	145 800*	58.3	127.9	140 500*							46.0
48.0	46.4	121.7	137 400*	55.8	126.5	133 600*	64.1	129.0	121 100*				48.0
50.0	43.3	119.6	129 600*	53.2	125.0	127 200*	61.7	128.0	115 200*				50.0
52.0	40.1	117.3	122 500*	50.5	123.4	121 300*	59.3	126.8	109 900*				52.0
54.0	36.7	114.7	115 800*	47.7	121.6	115 800*	56.8	125.5	104 800*				54.0
56.0	32.9	111.7	109 800*	44.7	119.6	110 700*	54.2	124.1	100 100*				56.0
58.0	28.7	108.2	104 400*	41.6	117.4	105 900*	51.5	122.5	95 700*				58.0
60.0	23.8	103.9	99 700*	38.3	114.9	101 400*	48.8	120.7	91 600*	57.6	123.8	82 000*	60.0
62.0	17.6	98.3	95 900*	34.7	112.1	97 100*	45.9	118.8	87 800*	55.0	122.4	78 400*	62.0
64.0	6.7	88.1	94 100*	30.7	108.8	93 100*	42.8	116.7	84 200*	52.4	120.8	75 100*	64.0
66.0				26.1	105.0	89 300*	39.6	114.3	80 700*	49.7	119.2	72 000*	66.0
68.0				20.6	100.1	85 600*	36.1	111.7	77 400*	46.8	117.3	69 000*	68.0
70.0				12.9	93.0	81 900*	32.3	108.6	74 300*	43.8	115.2	66 200*	70.0
72.0							28.0	105.0	71 300*	40.6	113.0	63 600*	72.0
74.0							23.0	100.6	68 400*	37.2	110.4	61 000*	74.0
76.0							16.4	94.7	65 600*	33.5	107.5	58 500*	76.0
80.0										24.6	99.9	53 700*	80.0

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

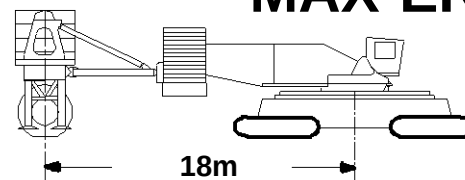
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



79.2m (260 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

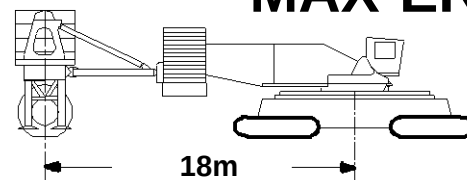
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
27.4	73.7	140.9	205 600*										27.4
28.0	73.2	140.8	205 600*										28.0
30.0	71.2	140.1	205 300*										30.0
32.0	69.2	139.3	199 600*										32.0
34.0	67.2	138.5	191 700*										34.0
36.0	65.1	137.5	183 500*										36.0
38.0	63.0	136.5	175 000*										38.0
40.0	60.8	135.4	166 500*	68.1	137.9	163 600*							40.0
42.0	58.6	134.2	158 100*	66.0	137.0	154 600*							42.0
44.0	56.4	132.9	149 900*	63.9	136.0	146 500*							44.0
46.0	54.1	131.4	142 000*	61.8	135.0	139 000*							46.0
48.0	51.7	129.9	134 300*	59.6	133.8	132 200*							48.0
50.0	49.2	128.2	127 100*	57.4	132.5	125 800*							50.0
52.0	46.6	126.3	120 200*	55.1	131.1	120 000*	62.6	133.8	108 200*				52.0
54.0	43.9	124.3	113 800*	52.8	129.6	114 500*	60.5	132.7	103 300*				54.0
56.0	41.1	122.0	107 800*	50.3	128.0	109 400*	58.3	131.5	98 600*				56.0
58.0	38.1	119.5	102 200*	47.8	126.2	104 700*	56.0	130.1	94 300*				58.0
60.0	34.9	116.7	97 100*	45.2	124.2	100 300*	53.7	128.7	90 200*				60.0
62.0	31.3	113.5	92 400*	42.4	122.1	96 100*	51.3	127.1	86 400*				62.0
64.0	27.4	109.8	88 300*	39.5	119.7	92 100*	48.8	125.4	82 800*	56.7	128.4	73 500*	64.0
66.0	22.8	105.3	84 600*	36.3	117.0	88 400*	46.2	123.5	79 400*	54.4	127.0	70 500*	66.0
68.0	17.0	99.5	81 800*	33.0	114.0	84 900*	43.5	121.4	76 200*	52.0	125.4	67 500*	68.0
70.0	7.2	89.3	80 300*	29.2	110.6	81 500*	40.6	119.1	73 200*	49.6	123.8	64 800*	70.0
72.0				24.9	106.5	78 300*	37.6	116.5	70 300*	47.0	121.9	62 200*	72.0
74.0				19.8	101.4	75 200*	34.3	113.7	67 500*	44.4	119.9	59 600*	74.0
76.0				12.6	94.1	72 000*	30.7	110.4	64 800*	41.6	117.7	57 200*	76.0
80.0							22.0	102.0	59 800*	35.4	112.5	52 700*	80.0
84.0										28.0	105.7	48 500*	84.0
88.0										18.0	95.9	44 500*	88.0

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

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



**21000
MAX-ER**

79.2m (260 Ft.) Boom, 67.1m (220 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
29.0	73.9	146.8	182 500*										29.0
30.0	73.0	146.5	182 500*										30.0
32.0	71.2	145.8	182 500*										32.0
34.0	69.3	145.1	178 500*										34.0
36.0	67.5	144.3	171 900*										36.0
38.0	65.6	143.3	165 100*										38.0
40.0	63.7	142.4	158 100*										40.0
42.0	61.8	141.3	151 100*	68.3	143.7	152 700*							42.0
44.0	59.8	140.1	144 100*	66.5	142.8	144 500*							44.0
46.0	57.8	138.9	137 000*	64.6	141.8	137 100*							46.0
48.0	55.7	137.5	130 300*	62.7	140.8	130 200*							48.0
50.0	53.6	136.1	123 800*	60.7	139.7	123 900*							50.0
52.0	51.4	134.5	117 500*	58.7	138.5	118 100*							52.0
54.0	49.2	132.8	111 500*	56.7	137.2	112 700*	63.4	139.7	101 100*				54.0
56.0	46.8	130.9	105 800*	54.6	135.8	107 600*	61.5	138.6	96 500*				56.0
58.0	44.4	128.9	100 500*	52.4	134.2	102 900*	59.5	137.4	92 200*				58.0
60.0	41.9	126.7	95 400*	50.2	132.6	98 500*	57.5	136.1	88 200*				60.0
62.0	39.2	124.3	90 700*	47.9	130.8	94 400*	55.4	134.8	84 400*				62.0
64.0	36.4	121.6	86 400*	45.5	128.9	90 500*	53.3	133.3	80 800*				64.0
66.0	33.3	118.7	82 400*	43.0	126.7	86 800*	51.1	131.7	77 500*	58.1	134.4	68 300*	66.0
68.0	30.0	115.3	78 700*	40.4	124.4	83 400*	48.8	130.0	74 300*	56.0	133.1	65 400*	68.0
70.0	26.2	111.4	75 500*	37.7	121.9	80 100*	46.5	128.1	71 300*	53.9	131.6	62 600*	70.0
72.0	21.9	106.7	72 600*	34.7	119.1	76 900*	44.0	126.0	68 500*	51.8	130.0	60 100*	72.0
74.0	16.4	100.7	70 400*	31.5	115.9	74 000*	41.5	123.8	65 800*	49.5	128.4	57 600*	74.0
76.0	7.6	90.5	69 300*	28.0	112.3	71 100*	38.8	121.4	63 200*	47.2	126.5	55 300*	76.0
80.0				19.1	102.7	65 700*	32.8	115.6	58 400*	42.3	122.4	50 900*	80.0
84.0							25.6	108.2	53 900*	36.8	117.4	46 800*	84.0
88.0							15.4	97.0	49 500*	30.5	111.2	43 000*	88.0
92.0										22.6	102.8	39 500*	92.0
96.0										9.6	88.1	35 900*	96.0

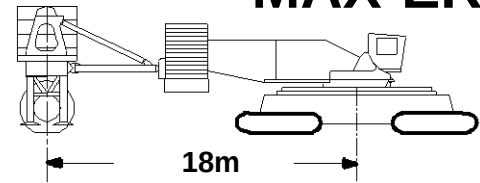
Capacities indicated by **(b)** require
16 780 kg minimum weight suspended
beneath luffing jib point.

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



79.2m (260 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

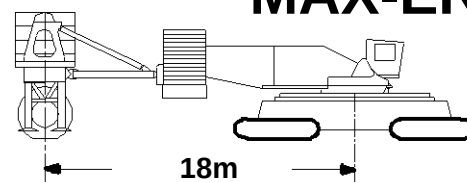
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
30.5	74.0	152.7	162 100*										30.5
32.0	72.8	152.3	162 100*										32.0
34.0	71.1	151.6	162 100*										34.0
36.0	69.5	150.8	159 900*										36.0
38.0	67.8	150.0	154 900*										38.0
40.0	66.1	149.1	149 400*										40.0
42.0	64.3	148.2	143 600*										42.0
44.0	62.6	147.1	137 900*	68.5	149.4	142 800*							44.0
46.0	60.8	146.0	132 100*	66.8	148.6	135 300*							46.0
48.0	58.9	144.8	126 300*	65.1	147.7	128 500*							48.0
50.0	57.1	143.5	120 600*	63.4	146.7	122 200*							50.0
52.0	55.2	142.2	114 900*	61.6	145.6	116 400*							52.0
54.0	53.2	140.7	109 600*	59.8	144.4	111 000*							54.0
56.0	51.2	139.1	104 400*	57.9	143.2	106 000*							56.0
58.0	49.2	137.4	99 400*	56.0	141.8	101 400*	62.3	144.4	90 400*				58.0
60.0	47.0	135.5	94 700*	54.1	140.4	96 900*	60.5	143.3	86 400*				60.0
62.0	44.8	133.5	90 200*	52.1	138.8	92 800*	58.7	142.1	82 700*				62.0
64.0	42.5	131.4	85 900*	50.1	137.2	89 000*	56.8	140.8	79 100*				64.0
66.0	40.1	129.0	82 000*	48.0	135.4	85 300*	54.9	139.4	75 800*				66.0
68.0	37.6	126.5	78 200*	45.8	133.5	81 900*	52.9	137.9	72 600*				68.0
70.0	34.9	123.7	74 800*	43.6	131.4	78 600*	50.9	136.3	69 700*	57.4	139.1	60 800*	70.0
72.0	32.0	120.5	71 600*	41.2	129.1	75 500*	48.8	134.6	66 900*	55.5	137.7	58 300*	72.0
74.0	28.8	117.0	68 700*	38.7	126.7	72 600*	46.7	132.7	64 200*	53.5	136.2	55 900*	74.0
76.0	25.2	113.0	66 100*	36.1	124.0	69 800*	44.5	130.7	61 700*	51.5	134.6	53 500*	76.0
80.0	16.0	101.9	62 200*	30.2	117.7	64 600*	39.7	126.1	56 900*	47.4	131.1	49 200*	80.0
84.0				23.1	109.4	59 700*	34.4	120.7	52 600*	42.9	127.0	45 200*	84.0
88.0				12.2	96.2	55 100*	28.3	113.9	48 500*	38.0	122.2	41 600*	88.0
92.0							20.4	104.7	44 600*	32.4	116.4	38 200*	92.0
96.0							5.5	86.1	40 600*	25.8	108.9	35 000*	96.0
100.0										16.9	98.3	31 900*	100.0

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

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



21000

MAX-ER

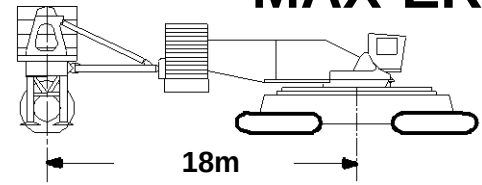
79.2m (260 Ft.) Boom, 79.2m (260 Ft.) Luffing Jib

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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
32.0	74.2	158.7	144 100*										32.0
34.0	72.6	158.0	144 100*										34.0
36.0	71.1	157.3	144 100*										36.0
38.0	69.6	156.6	143 400*										38.0
40.0	68.0	155.8	139 300*										40.0
42.0	66.4	154.9	134 800*										42.0
44.0	64.8	154.0	130 100*										44.0
46.0	63.2	153.0	125 300*	68.7	155.2	133 300*							46.0
48.0	61.6	151.9	120 500*	67.2	154.4	126 500*							48.0
50.0	59.9	150.8	115 600*	65.6	153.5	120 300*							50.0
52.0	58.2	149.5	110 800*	64.0	152.5	114 500*							52.0
54.0	56.5	148.2	106 000*	62.3	151.4	109 100*							54.0
56.0	54.7	146.8	101 300*	60.7	150.3	104 100*							56.0
58.0	52.9	145.3	96 800*	59.0	149.1	99 500*	64.6	151.3	88 300*				58.0
60.0	51.1	143.7	92 500*	57.3	147.8	95 100*	63.0	150.3	84 300*				60.0
62.0	49.1	142.0	88 300*	55.5	146.5	91 000*	61.3	149.2	80 600*				62.0
64.0	47.2	140.1	84 300*	53.7	145.0	87 200*	59.7	148.0	77 100*				64.0
66.0	45.2	138.2	80 500*	51.9	143.5	83 600*	57.9	146.8	73 800*				66.0
68.0	43.1	136.0	76 900*	50.0	141.8	80 100*	56.2	145.4	70 700*				68.0
70.0	40.9	133.8	73 500*	48.1	140.0	76 900*	54.4	144.0	67 700*				70.0
72.0	38.6	131.3	70 400*	46.1	138.1	73 900*	52.6	142.5	64 900*	58.5	145.0	56 100*	72.0
74.0	36.1	128.6	67 400*	44.0	136.0	71 000*	50.8	140.9	62 300*	56.8	143.7	53 700*	74.0
76.0	33.6	125.6	64 600*	41.9	133.8	68 200*	48.8	139.2	59 800*	55.0	142.3	51 400*	76.0
80.0	27.8	118.7	59 800*	37.2	128.9	63 100*	44.8	135.3	55 100*	51.3	139.3	47 200*	80.0
84.0	20.5	109.4	55 900*	32.1	122.9	58 400*	40.5	130.9	50 800*	47.5	135.7	43 200*	84.0
88.0	8.1	92.8	53 900*	25.9	115.5	54 000*	35.7	125.6	46 900*	43.4	131.7	39 700*	88.0
92.0				17.9	105.2	49 900*	30.3	119.3	43 200*	38.9	127.0	36 400*	92.0
96.0							23.8	111.2	39 700*	34.0	121.4	33 300*	96.0
100.0							14.7	99.3	36 400*	28.2	114.6	30 300*	100.0
104.0										21.1	105.6	27 100*	104.0
108.0										9.7	90.3	23 700*	108.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
 Boom No. 80 With 42.7m Mast No. 81
 224 390 kg Crane Counterweight
 90 720 kg Carbody Counterweight
 190 510 kg Wheeled Counterweight
 at 18m Position
 Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



**21000
MAX-ER**

79.2m (260 Ft.) Boom, 85.3m (280 Ft.) Luffing Jib

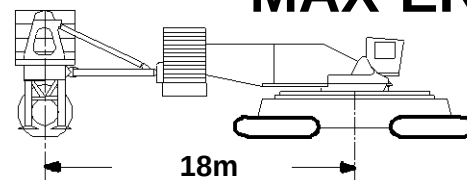
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
33.5	74.3	164.6	128 300*							33.5
34.0	73.9	164.4	128 300*							34.0
36.0	72.5	163.8	128 300*							36.0
38.0	71.1	163.1	128 300*							38.0
40.0	69.7	162.4	128 000*							40.0
42.0	68.2	161.6	125 800*							42.0
44.0	66.8	160.7	121 900*							44.0
46.0	65.3	159.8	118 000*							46.0
48.0	63.8	158.8	114 000*	68.9	161.0	124 900*				48.0
50.0	62.3	157.8	110 000*	67.4	160.1	118 700*				50.0
52.0	60.7	156.6	105 900*	66.0	159.2	112 900*				52.0
54.0	59.2	155.5	101 800*	64.5	158.3	107 500*				54.0
56.0	57.6	154.2	97 800*	63.0	157.3	102 600*				56.0
58.0	56.0	152.8	93 800*	61.4	156.2	97 900*				58.0
60.0	54.3	151.4	89 900*	59.9	155.0	93 600*				60.0
62.0	52.6	149.9	86 100*	58.3	153.8	89 500*	63.6	156.1	78 900*	62.0
64.0	50.9	148.3	82 500*	56.7	152.5	85 700*	62.0	155.1	75 400*	64.0
66.0	49.1	146.6	79 000*	55.1	151.1	82 100*	60.5	153.9	72 100*	66.0
68.0	47.3	144.7	75 500*	53.4	149.6	78 700*	58.9	152.7	69 000*	68.0
70.0	45.4	142.8	72 400*	51.7	148.1	75 500*	57.3	151.4	66 100*	70.0
72.0	43.5	140.7	69 300*	49.9	146.4	72 500*	55.7	150.1	63 400*	72.0
74.0	41.5	138.5	66 400*	48.1	144.6	69 600*	54.1	148.7	60 700*	74.0
76.0	39.4	136.1	63 600*	46.3	142.7	66 800*	52.4	147.1	58 200*	76.0
80.0	34.9	130.6	58 700*	42.4	138.5	61 800*	48.9	143.8	53 600*	80.0
84.0	29.7	124.1	54 300*	38.2	133.7	57 100*	45.1	139.9	49 400*	84.0
88.0	23.6	115.9	50 800*	33.5	128.0	52 800*	41.2	135.6	45 500*	88.0
92.0	15.3	104.2	48 200*	28.2	121.1	48 900*	36.8	130.5	41 900*	92.0
96.0				21.6	112.2	45 100*	32.0	124.5	38 500*	96.0
100.0				11.9	98.4	41 500*	26.4	117.1	35 400*	100.0
104.0							19.2	107.3	32 400*	104.0
108.0							6.5	88.7	29 300*	108.0

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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

**21000
MAX-ER**



79.2m (260 Ft.) Boom, 91.4m (300 Ft.) Luffing Jib

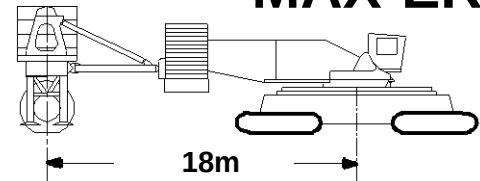
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
35.1	74.3	170.5	114 100*							35.1
36.0	73.7	170.2	114 100*							36.0
38.0	72.4	169.5	114 100*							38.0
40.0	71.1	168.9	114 100*							40.0
42.0	69.7	168.1	114 100*							42.0
44.0	68.4	167.3	113 000*							44.0
46.0	67.0	166.5	110 100*							46.0
48.0	65.7	165.6	106 900*							48.0
50.0	64.3	164.6	103 600*	69.0	166.7	115 900*				50.0
52.0	62.9	163.6	100 300*	67.7	165.9	110 900*				52.0
54.0	61.4	162.5	96 900*	66.3	165.0	105 600*				54.0
56.0	60.0	161.4	93 400*	64.9	164.1	100 600*				56.0
58.0	58.5	160.2	90 000*	63.5	163.1	96 000*				58.0
60.0	57.0	158.9	86 600*	62.1	162.0	91 700*				60.0
62.0	55.5	157.5	83 300*	60.6	160.9	87 600*				62.0
64.0	54.0	156.0	80 000*	59.2	159.7	83 800*	64.1	161.9	73 300*	64.0
66.0	52.4	154.5	76 800*	57.7	158.5	80 200*	62.6	160.9	70 000*	66.0
68.0	50.8	152.9	73 700*	56.2	157.1	76 900*	61.2	159.8	67 000*	68.0
70.0	49.1	151.2	70 700*	54.7	155.7	73 700*	59.8	158.6	64 100*	70.0
72.0	47.4	149.3	67 900*	53.1	154.2	70 700*	58.3	157.4	61 300*	72.0
74.0	45.7	147.4	65 100*	51.5	152.7	67 800*	56.8	156.1	58 700*	74.0
76.0	43.9	145.4	62 500*	49.9	151.0	65 100*	55.3	154.7	56 300*	76.0
80.0	40.1	140.8	57 600*	46.5	147.3	60 000*	52.1	151.7	51 700*	80.0
84.0	36.0	135.6	53 000*	42.9	143.2	55 500*	48.9	148.4	47 500*	84.0
88.0	31.4	129.4	47 000*	39.0	138.5	51 200*	45.4	144.6	43 700*	88.0
92.0	26.0	121.9	41 700*	34.8	133.0	47 400*	41.7	140.3	40 100*	92.0
96.0	19.4	112.1	36 800*	30.0	126.5	43 700*	37.8	135.3	36 800*	96.0
100.0	8.4	95.1	33 000*	24.4	118.5	40 400*	33.4	129.6	33 800*	100.0
104.0				17.1	107.6	36 200*	28.4	122.8	30 900*	104.0
108.0							22.4	114.1	28 000*	108.0
112.0							14.1	101.5	24 800*	112.0

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



85.3m (280 Ft.) Boom, 36.6m (120 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
21.3			c										21.3
22.0			c										22.0
24.0			c										24.0
26.0			c										26.0
28.0	62.0	120.6	265 000*b										28.0
30.0	58.3	119.4	249 300*b										30.0
32.0	54.5	117.9	233 200*b			c							32.0
34.0	50.5	116.3	218 300*b			c							34.0
36.0	46.1	114.4	204 800*	61.0	119.2	188 300*b							36.0
38.0	41.5	112.2	191 800*	57.2	117.9	177 300*b							38.0
40.0	36.3	109.6	180 000*	53.4	116.5	167 300*b							40.0
42.0	30.4	106.4	169 600*	49.2	114.8	158 300*			c				42.0
44.0	23.0	102.1	161 000*	44.9	112.8	150 000*	59.7	117.1	136 500*b				44.0
46.0				40.1	110.5	142 300*	55.9	115.8	129 500*b				46.0
48.0				34.7	107.7	135 200*	52.0	114.2	123 200*b				48.0
50.0				28.4	104.2	128 600*	47.8	112.4	117 200*				50.0
52.0				20.3	99.5	122 200*	43.2	110.4	111 700*	58.1	114.2	100 600*b	52.0
54.0							38.3	107.9	106 500*	54.2	112.8	95 900*b	54.0
56.0							32.7	104.9	101 600*	50.2	111.2	91 600*b	56.0
58.0							25.9	101.1	97 000*	45.8	109.3	87 500*	58.0
60.0							16.6	95.5	92 400*	41.2	107.0	83 700*	60.0
62.0										35.9	104.4	80 000*	62.0
64.0										29.9	101.1	76 500*	64.0
66.0										22.4	96.7	73 000*	66.0

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

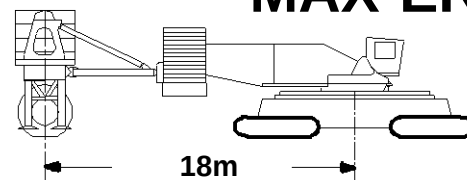
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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

**21000
MAX-ER**



85.3m (280 Ft.) Boom, 42.7m (140 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
22.9			c										22.9
24.0			c										24.0
26.0			c										26.0
28.0	66.3	127.4	248 200*b										28.0
30.0	63.3	126.4	235 300*b										30.0
32.0	60.2	125.3	222 200*b										32.0
34.0	57.0	124.0	209 300*b										34.0
36.0	53.7	122.6	196 700*	65.5	126.1	186 500*b							36.0
38.0	50.2	120.9	184 600*	62.4	125.1	175 500*b							38.0
40.0	46.6	119.1	173 300*	59.3	123.9	165 600*b							40.0
42.0	42.7	116.9	162 800*	56.1	122.6	156 700*							42.0
44.0	38.4	114.5	153 100*	52.7	121.1	148 500*							44.0
46.0	33.7	111.6	144 400*	49.2	119.4	141 000*	61.4	123.0	127 500*b				46.0
48.0	28.2	108.1	136 800*	45.5	117.4	134 100*	58.2	121.8	121 200*b				48.0
50.0	21.5	103.5	130 500*	41.5	115.2	127 600*	54.9	120.4	115 400*				50.0
52.0				37.1	112.7	121 700*	51.5	118.8	110 000*				52.0
54.0				32.2	109.6	116 000*	47.9	117.0	105 000*				54.0
56.0				26.5	105.8	110 800*	44.1	115.0	100 300*	56.8	118.9	89 500*b	56.0
58.0				19.1	100.8	105 600*	40.0	112.7	95 800*	53.5	117.4	85 600*	58.0
60.0							35.5	110.0	91 600*	50.0	115.8	81 800*	60.0
62.0							30.3	106.7	87 700*	46.3	113.9	78 300*	62.0
64.0							24.2	102.6	83 900*	42.4	111.7	75 000*	64.0
66.0							15.8	96.7	80 100*	38.1	109.3	71 800*	66.0
68.0										33.3	106.3	68 800*	68.0
70.0										27.8	102.8	65 900*	70.0
72.0										21.0	98.1	62 900*	72.0

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

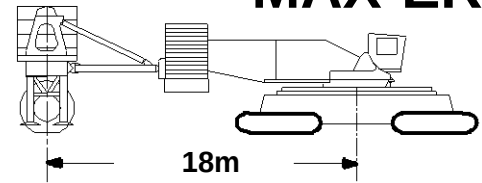
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



85.3m (280 Ft.) Boom, 48.8m (160 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
24.4			c										24.4
26.0			c										26.0
28.0	69.4	134.1	231 100*b										28.0
30.0	66.9	133.2	221 100*b										30.0
32.0	64.3	132.3	210 400*b										32.0
34.0	61.6	131.2	199 600*b										34.0
36.0	58.9	130.0	188 700*	68.7	132.8	185 000*b							36.0
38.0	56.1	128.7	178 100*	66.2	131.9	174 100*b							38.0
40.0	53.1	127.2	167 900*	63.5	130.9	164 300*b							40.0
42.0	50.1	125.5	158 100*	60.8	129.8	155 400*							42.0
44.0	46.9	123.7	148 900*	58.1	128.6	147 300*							44.0
46.0	43.5	121.6	140 300*	55.2	127.2	139 800*							46.0
48.0	39.9	119.3	132 300*	52.3	125.7	133 000*	62.6	128.9	119 800*b				48.0
50.0	36.0	116.6	125 100*	49.2	124.0	126 700*	59.9	127.7	114 000*				50.0
52.0	31.6	113.4	118 500*	45.9	122.1	120 800*	57.1	126.4	108 700*				52.0
54.0	26.6	109.7	112 800*	42.5	119.9	115 300*	54.2	125.0	103 700*				54.0
56.0	20.4	104.8	108 100*	38.8	117.5	110 200*	51.2	123.4	99 100*				56.0
58.0				34.8	114.7	105 400*	48.1	121.6	94 700*	58.7	124.9	84 000*	58.0
60.0				30.2	111.4	100 800*	44.8	119.7	90 700*	55.9	123.5	80 400*	60.0
62.0				24.9	107.4	96 500*	41.2	117.4	86 800*	52.9	122.0	76 900*	62.0
64.0				18.2	102.0	92 300*	37.4	114.9	83 200*	49.9	120.4	73 700*	64.0
66.0							33.3	111.9	79 800*	46.7	118.5	70 600*	66.0
68.0							28.5	108.4	76 500*	43.3	116.4	67 700*	68.0
70.0							22.8	104.0	73 300*	39.6	114.1	64 900*	70.0
72.0							15.1	97.8	70 000*	35.7	111.3	62 300*	72.0
74.0										31.3	108.2	59 700*	74.0
76.0										26.2	104.3	57 200*	76.0

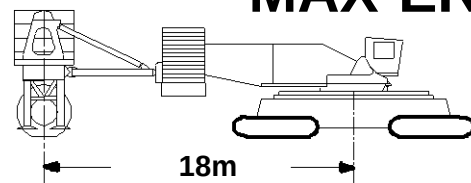
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



**21000
MAX-ER**

85.3m (280 Ft.) Boom, 54.9m (180 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
25.9			c										25.9
26.0			c										26.0
28.0	71.8	140.6	209 000*b										28.0
30.0	69.6	139.8	205 900*b										30.0
32.0	67.3	139.0	197 300*b										32.0
34.0	65.0	138.1	188 500*b										34.0
36.0	62.7	137.0	179 400*										36.0
38.0	60.3	135.9	170 300*										38.0
40.0	57.8	134.7	161 400*	66.7	137.7	162 300*b							40.0
42.0	55.3	133.3	152 700*	64.4	136.8	153 400*							42.0
44.0	52.7	131.8	144 400*	62.0	135.7	145 400*							44.0
46.0	50.0	130.1	136 400*	59.6	134.5	138 000*							46.0
48.0	47.1	128.3	128 900*	57.1	133.2	131 200*							48.0
50.0	44.2	126.3	121 800*	54.6	131.8	124 900*	63.6	134.7	111 800*				50.0
52.0	41.0	124.0	115 200*	51.9	130.3	119 100*	61.2	133.6	106 500*				52.0
54.0	37.6	121.5	109 100*	49.2	128.6	113 700*	58.7	132.4	101 600*				54.0
56.0	34.0	118.6	103 600*	46.3	126.7	108 700*	56.2	131.1	97 100*				56.0
58.0	29.9	115.2	98 600*	43.3	124.6	103 900*	53.6	129.6	92 800*				58.0
60.0	25.2	111.2	94 200*	40.1	122.3	99 500*	51.0	128.0	88 800*				60.0
62.0	19.4	106.1	90 700*	36.6	119.6	95 300*	48.2	126.3	85 000*	57.7	129.5	74 700*	62.0
64.0	10.9	98.1	88 500*	32.8	116.6	91 400*	45.3	124.3	81 500*	55.1	128.2	71 500*	64.0
66.0				28.6	113.1	87 600*	42.2	122.1	78 100*	52.5	126.6	68 500*	66.0
68.0				23.7	108.8	84 000*	38.9	119.7	74 900*	49.8	125.0	65 700*	68.0
70.0				17.4	103.2	80 500*	35.3	116.9	71 900*	46.9	123.1	63 000*	70.0
72.0							31.4	113.8	69 000*	43.9	121.1	60 400*	72.0
74.0							27.0	110.1	66 200*	40.8	118.8	58 000*	74.0
76.0							21.7	105.4	63 500*	37.4	116.2	55 600*	76.0
80.0										29.6	109.9	51 100*	80.0
84.0										19.0	100.6	46 800*	84.0

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

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

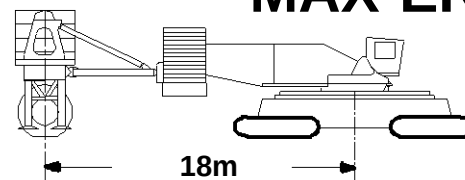
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
190 510 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



85.3m (280 Ft.) Boom, 61.0m (200 Ft.) 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	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
27.4	74.3	147.2	186 800*b										27.4
28.0	73.7	147.0	186 800*b										28.0
30.0	71.7	146.3	186 800*b										30.0
32.0	69.7	145.6	183 800*b										32.0
34.0	67.7	144.8	176 900*b										34.0
36.0	65.6	143.9	169 600*										36.0
38.0	63.5	142.9	162 100*										38.0
40.0	61.4	141.8	154 600*	69.1	144.3	160 700*b							40.0
42.0	59.2	140.6	147 000*	67.1	143.5	151 800*							42.0
44.0	57.0	139.3	139 500*	65.0	142.6	143 900*							44.0
46.0	54.7	137.9	132 400*	62.9	141.5	136 500*							46.0
48.0	52.3	136.4	125 500*	60.8	140.4	129 700*							48.0
50.0	49.9	134.7	119 000*	58.6	139.2	123 500*							50.0
52.0	47.3	132.9	112 700*	56.3	137.9	117 700*	64.3	140.5	104 900*				52.0
54.0	44.7	130.9	106 800*	54.0	136.4	112 400*	62.2	139.5	100 000*				54.0
56.0	41.9	128.7	101 300*	51.6	134.9	107 400*	60.0	138.3	95 500*				56.0
58.0	38.9	126.3	96 200*	49.1	133.2	102 700*	57.8	137.1	91 300*				58.0
60.0	35.7	123.5	91 500*	46.6	131.3	98 400*	55.5	135.7	87 300*				60.0
62.0	32.3	120.5	87 200*	43.9	129.2	94 200*	53.2	134.2	83 500*				62.0
64.0	28.5	116.9	83 300*	41.0	127.0	90 400*	50.8	132.6	80 100*	59.1	135.5	69 800*	64.0
66.0	24.1	112.7	80 000*	38.0	124.5	86 700*	48.3	130.9	76 800*	56.8	134.2	66 900*	66.0
68.0	18.7	107.3	77 200*	34.8	121.7	83 200*	45.7	128.9	73 600*	54.5	132.8	64 100*	68.0
70.0	10.8	99.2	75 500*	31.2	118.5	79 900*	42.9	126.8	70 700*	52.2	131.2	61 500*	70.0
72.0				27.3	114.8	76 800*	40.0	124.5	67 900*	49.7	129.6	58 900*	72.0
74.0				22.7	110.3	73 700*	36.9	121.9	65 200*	47.1	127.7	56 500*	74.0
76.0				16.8	104.4	70 700*	33.6	118.9	62 600*	44.5	125.7	54 200*	76.0
80.0							25.8	111.6	57 800*	38.7	121.1	49 900*	80.0
84.0							14.2	100.0	53 100*	32.1	115.2	45 900*	84.0
88.0										23.7	107.3	42 100*	88.0

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