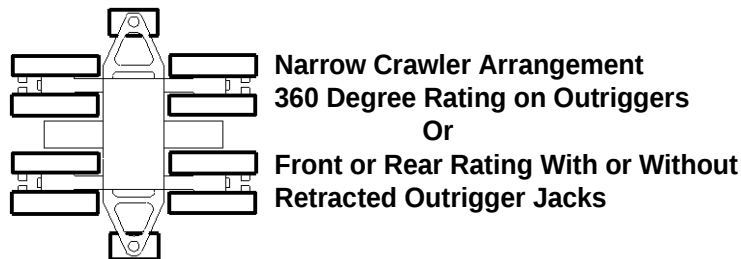
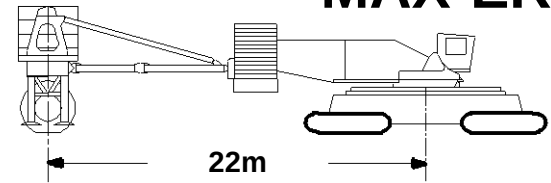


Liftcrane Luffing Jib Capacities

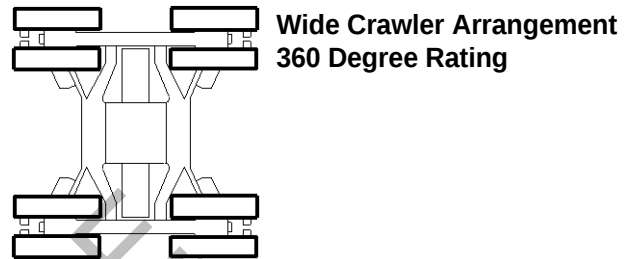
21000
MAX-ER

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 22m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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.

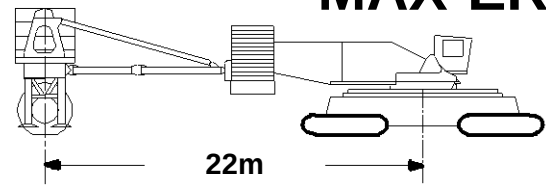
Wide Crawler Arrangement: Wide crawler arrangement (14.5m) travel allowed with 360 degree rating.

Liftcrane Luffing Jib Capacities

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 22m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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

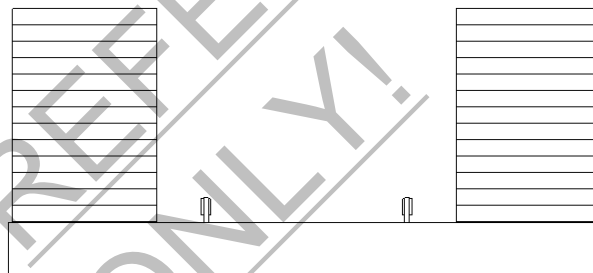
retractable gantry, 20 part boom hoist reeving, boom support straps, 22 part luffing jib hoist reeving, luffing jib and backstay support straps, 224 390 kg crane counterweight, two 24 270 kg and two 21 090 kg carbody counterweights and 190 510 kg wheeled counterweight.

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

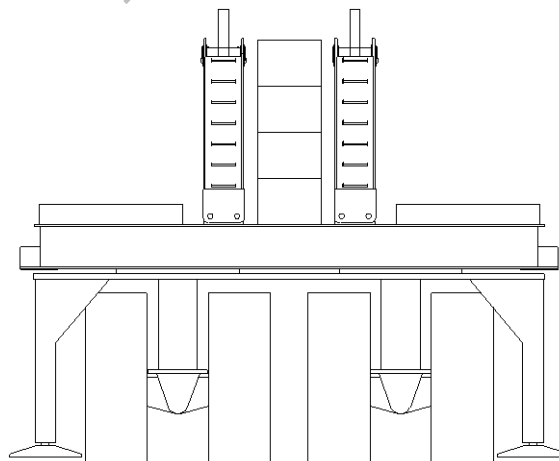
Warning: Narrow crawler arrangement requires set outrigger jacks to swing beyond front or rear operating range.

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

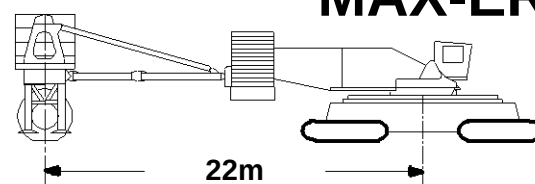


190 510 kg Wheeled Counterweight
2 Side Boxes - 4 Center Boxes

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 22m 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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MAX-ER**

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 - 73.2	36.6 - 91.4	90
79.2	36.6 - 91.4	60
85.3	36.6 - 85.3	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.

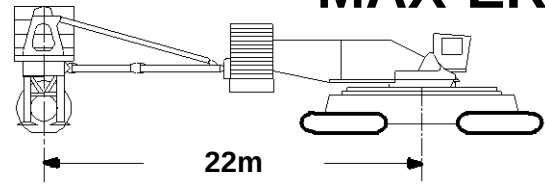
CAUTION: Do not under any condition allow boom to luffing jib angle to become less than 60 degrees.

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 22m 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, 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	74.1	93.3	453 500*d										18.3
20.0	71.2	92.7	425 400*d										20.0
22.0	67.9	91.9	385 400*d										22.0
24.0	64.4	90.9	352 400*b										24.0
26.0	60.8	89.8	324 300*b										26.0
28.0	57.1	88.6	300 000*b	65.8	90.6	288 200*b							28.0
30.0	53.2	87.1	278 900*	62.2	89.6	267 700*b							30.0
32.0	49.1	85.4	260 300*	58.6	88.4	249 900*b							32.0
34.0	44.7	83.4	243 700*	54.7	87.0	234 100*b	63.5	88.9	224 300*b				34.0
36.0	39.9	81.1	229 000*	50.7	85.4	219 900*	59.9	87.7	210 700*b				36.0
38.0	34.5	78.3	215 600*	46.4	83.5	207 200*	56.1	86.4	198 600*b				38.0
40.0	28.1	74.8	203 400*	41.8	81.3	195 600*	52.2	84.9	187 600*				40.0
42.0	19.9	69.9	192 100*	36.7	78.7	185 100*	48.0	83.1	177 500*	57.3	85.3	169 900*b	42.0
44.0				30.8	75.6	175 400*	43.5	81.0	168 400*	53.4	83.8	161 100*	44.0
46.0				23.5	71.4	166 400*	38.6	78.6	159 900*	49.3	82.1	153 100*	46.0
48.0							33.0	75.7	152 000*	44.9	80.2	145 700*	48.0
50.0							26.3	71.9	144 700*	40.1	77.9	138 800*	50.0
52.0							17.3	66.5	137 700*	34.8	75.1	132 300*	52.0
54.0										28.5	71.6	126 300*	54.0
56.0										20.4	66.9	120 500*	56.0

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

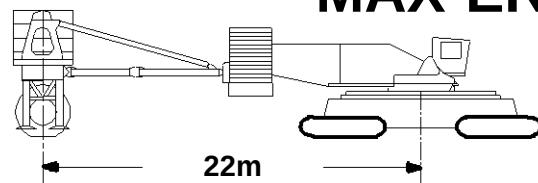
Capacities indicated by **(d)** require
31 750 kg minimum weight suspended
beneath luffing jib point.

**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 22m 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, 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	351 400*b										24.0
26.0	65.3	96.8	323 000*b										26.0
28.0	62.3	95.7	298 800*b										28.0
30.0	59.2	94.5	277 800*	66.5	96.4	266 200*b							30.0
32.0	56.0	93.2	259 300*	63.5	95.4	248 300*b							32.0
34.0	52.6	91.7	242 900*	60.4	94.3	232 600*b							34.0
36.0	49.1	90.0	228 200*	57.2	93.0	218 500*							36.0
38.0	45.3	88.0	215 000*	53.9	91.6	205 900*	61.5	93.6	196 900*b				38.0
40.0	41.3	85.8	203 000*	50.5	90.0	194 500*	58.4	92.4	185 900*				40.0
42.0	36.9	83.2	192 100*	46.8	88.1	184 100*	55.1	91.0	176 000*				42.0
44.0	32.0	80.1	182 200*	42.9	86.0	174 600*	51.7	89.5	166 900*				44.0
46.0	26.2	76.3	172 900*	38.7	83.6	165 900*	48.1	87.7	158 600*	56.1	89.9	151 300*	46.0
48.0	18.8	71.2	164 300*	34.0	80.7	157 900*	44.3	85.7	151 000*	52.8	88.4	144 000*	48.0
50.0				28.6	77.3	150 300*	40.2	83.4	143 900*	49.2	86.7	137 300*	50.0
52.0				22.0	72.8	143 200*	35.7	80.7	137 300*	45.5	84.8	131 000*	52.0
54.0							30.7	77.5	131 100*	41.5	82.6	125 200*	54.0
56.0							24.6	73.4	125 200*	37.1	80.0	119 700*	56.0
58.0							16.4	67.7	119 500*	32.2	77.0	114 500*	58.0
60.0										26.5	73.2	109 600*	60.0
62.0										19.2	68.2	104 900*	62.0
64.0										4.2	57.2	99 800*	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

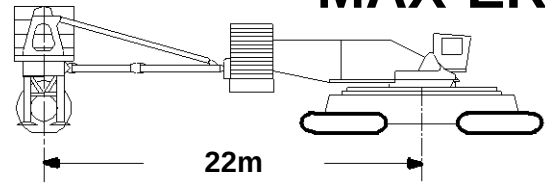
90 720 kg Carbody Counterweight

190 510 kg Wheeled Counterweight

at 22m 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	350 300*b										24.0
26.0	68.6	103.4	322 000*b										26.0
28.0	66.0	102.6	297 800*b										28.0
30.0	63.4	101.6	276 800*										30.0
32.0	60.7	100.4	258 400*	67.1	102.2	247 100*b							32.0
34.0	58.0	99.2	242 000*	64.5	101.3	231 400*b							34.0
36.0	55.1	97.8	227 400*	61.8	100.2	217 400*							36.0
38.0	52.1	96.3	214 300*	59.1	99.0	204 900*							38.0
40.0	49.1	94.6	202 400*	56.2	97.7	193 500*	62.8	99.5	184 700*				40.0
42.0	45.8	92.7	191 700*	53.3	96.2	183 200*	60.0	98.3	174 800*				42.0
44.0	42.3	90.5	181 800*	50.3	94.6	173 800*	57.3	97.1	165 800*				44.0
46.0	38.6	88.1	172 800*	47.1	92.7	165 200*	54.4	95.7	157 600*				46.0
48.0	34.6	85.2	164 400*	43.7	90.7	157 200*	51.4	94.1	150 000*	58.1	96.0	142 700*	48.0
50.0	30.0	81.9	156 700*	40.1	88.4	149 900*	48.3	92.3	142 900*	55.3	94.6	136 000*	50.0
52.0	24.7	77.9	149 400*	36.2	85.7	143 100*	45.0	90.3	136 400*	52.3	93.0	129 900*	52.0
54.0	17.9	72.4	142 600*	31.9	82.6	136 700*	41.4	88.1	130 400*	49.2	91.3	124 100*	54.0
56.0				26.9	78.9	130 700*	37.7	85.6	124 700*	46.0	89.4	118 700*	56.0
58.0				20.8	74.1	125 000*	33.5	82.7	119 400*	42.5	87.3	113 700*	58.0
60.0							28.8	79.2	114 400*	38.8	84.9	109 000*	60.0
62.0							23.2	74.9	109 600*	34.8	82.1	104 500*	62.0
64.0							15.7	68.8	105 000*	30.3	78.8	100 300*	64.0
66.0										25.0	74.8	96 200*	66.0
68.0										18.3	69.4	92 300*	68.0
70.0										5.6	58.9	88 000*	70.0

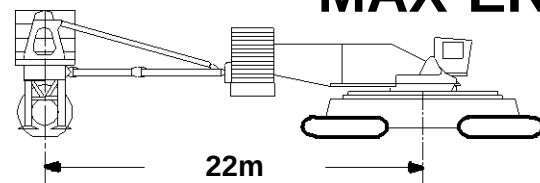
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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 22m 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, 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	339 800* b										22.9
24.0	73.3	110.7	339 800* b										24.0
26.0	71.1	110.0	320 400* b										26.0
28.0	68.9	109.2	296 300* b										28.0
30.0	66.6	108.3	275 300*										30.0
32.0	64.3	107.4	256 900*	69.8	108.8	245 200* b							32.0
34.0	61.9	106.3	240 600*	67.5	108.0	229 600*							34.0
36.0	59.5	105.2	226 000*	65.2	107.1	215 700*							36.0
38.0	57.0	103.9	212 900*	62.9	106.1	203 100*							38.0
40.0	54.4	102.4	201 100*	60.5	104.9	191 800*							40.0
42.0	51.8	100.9	190 400*	58.0	103.7	181 600*	63.7	105.3	172 900*				42.0
44.0	49.0	99.2	180 600*	55.5	102.3	172 200*	61.3	104.2	163 900*				44.0
46.0	46.2	97.3	171 600*	52.9	100.8	163 700*	58.9	103.0	155 700*				46.0
48.0	43.1	95.2	163 400*	50.1	99.2	155 800*	56.4	101.7	148 200*				48.0
50.0	39.9	92.8	155 800*	47.3	97.4	148 500*	53.8	100.3	141 200*				50.0
52.0	36.5	90.2	148 700*	44.4	95.3	141 800*	51.1	98.7	134 800*	57.1	100.6	127 900*	52.0
54.0	32.7	87.2	142 100*	41.2	93.1	135 500*	48.3	96.9	128 800*	54.6	99.2	122 200*	54.0
56.0	28.4	83.6	135 900*	37.9	90.6	129 600*	45.4	95.0	123 200*	51.9	97.6	116 900*	56.0
58.0	23.5	79.3	130 100*	34.2	87.7	124 100*	42.4	92.8	118 000*	49.2	95.9	111 900*	58.0
60.0	17.1	73.6	124 400*	30.2	84.4	118 900*	39.1	90.4	113 100*	46.3	94.1	107 300*	60.0
62.0				25.5	80.4	114 000*	35.6	87.7	108 500*	43.3	92.0	102 900*	62.0
64.0				19.9	75.4	109 400*	31.7	84.5	104 200*	40.1	89.6	98 800*	64.0
66.0							27.3	80.8	100 000*	36.6	87.0	94 900*	66.0
68.0							22.1	76.3	96 000*	32.9	84.0	91 200*	68.0
70.0							15.1	69.9	92 100*	28.7	80.5	87 600*	70.0
72.0										23.7	76.2	84 200*	72.0
74.0										17.5	70.6	80 900*	74.0
76.0										6.4	60.2	77 200*	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

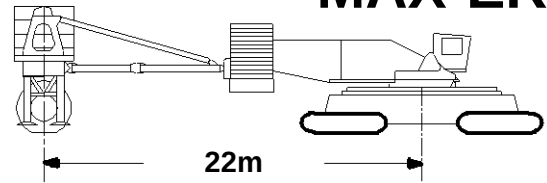
90 720 kg Carbody Counterweight

190 510 kg Wheeled Counterweight

at 22m 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

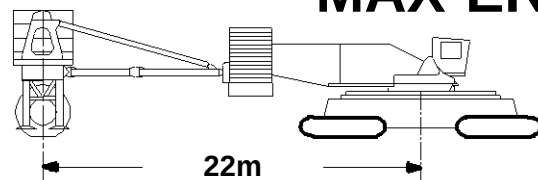
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity 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	293 000*										26.0
28.0	71.1	115.7	289 900*										28.0
30.0	69.1	115.0	274 900*										30.0
32.0	67.0	114.1	255 600*										32.0
34.0	65.0	113.2	239 400*										34.0
36.0	62.8	112.2	224 800*	67.8	113.8	214 300*							36.0
38.0	60.7	111.1	211 800*	65.8	112.9	201 800*							38.0
40.0	58.5	109.8	200 000*	63.7	111.9	190 500*							40.0
42.0	56.2	108.5	189 300*	61.5	110.8	180 300*							42.0
44.0	53.9	107.1	179 600*	59.4	109.6	171 000*							44.0
46.0	51.5	105.5	170 700*	57.1	108.4	162 400*	62.3	110.1	154 200*				46.0
48.0	49.0	103.8	162 400*	54.8	107.0	154 600*	60.1	109.0	146 700*				48.0
50.0	46.5	101.9	154 900*	52.5	105.4	147 300*	57.9	107.7	139 900*				50.0
52.0	43.8	99.8	147 800*	50.0	103.8	140 600*	55.7	106.4	133 500*				52.0
54.0	40.9	97.6	141 300*	47.5	102.0	134 400*	53.3	104.9	127 500*	58.6	106.6	120 700*	54.0
56.0	37.9	95.0	135 200*	44.8	100.0	128 600*	50.9	103.3	122 000*	56.3	105.3	115 500*	56.0
58.0	34.6	92.2	129 500*	42.1	97.8	123 200*	48.4	101.5	116 800*	54.0	103.8	110 500*	58.0
60.0	31.1	89.0	124 200*	39.1	95.4	118 100*	45.8	99.6	112 000*	51.6	102.3	105 900*	60.0
62.0	27.1	85.3	119 100*	36.0	92.7	113 300*	43.1	97.5	107 400*	49.2	100.5	101 600*	62.0
64.0	22.4	80.7	114 300*	32.5	89.6	108 800*	40.2	95.2	103 200*	46.6	98.7	97 500*	64.0
66.0	16.5	74.8	109 700*	28.7	86.1	104 500*	37.1	92.6	99 100*	43.9	96.6	93 700*	66.0
68.0				24.4	82.0	100 400*	33.8	89.7	95 300*	41.1	94.4	90 000*	68.0
70.0				19.1	76.7	96 500*	30.1	86.3	91 600*	38.0	91.9	86 600*	70.0
72.0							26.0	82.4	88 100*	34.8	89.0	83 300*	72.0
74.0							21.1	77.6	84 800*	31.3	85.9	80 200*	74.0
76.0							14.7	71.1	81 400*	27.3	82.1	77 100*	76.0
80.0										16.9	71.8	71 300*	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 22m 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	253 300*										30.0
32.0	69.2	120.7	253 300*										32.0
34.0	67.4	119.9	237 800*										34.0
36.0	65.5	119.0	223 200*										36.0
38.0	63.6	118.0	210 200*	68.1	119.6	199 900*							38.0
40.0	61.7	116.9	198 400*	66.2	118.7	188 600*							40.0
42.0	59.7	115.8	187 800*	64.4	117.7	178 400*							42.0
44.0	57.7	114.5	178 000*	62.4	116.7	169 100*							44.0
46.0	55.6	113.1	169 200*	60.5	115.5	160 600*							46.0
48.0	53.5	111.7	160 900*	58.5	114.3	152 800*	63.1	115.9	144 800*				48.0
50.0	51.3	110.1	153 400*	56.4	113.0	145 600*	61.2	114.9	137 900*				50.0
52.0	49.0	108.4	146 400*	54.3	111.6	139 000*	59.2	113.7	131 600*				52.0
54.0	46.7	106.5	140 000*	52.2	110.0	132 800*	57.1	112.4	125 600*				54.0
56.0	44.3	104.5	133 900*	49.9	108.4	127 000*	55.1	111.0	120 200*				56.0
58.0	41.7	102.3	128 300*	47.6	106.6	121 600*	52.9	109.5	115 000*	57.8	111.3	108 500*	58.0
60.0	39.0	99.8	123 000*	45.2	104.6	116 600*	50.7	107.9	110 300*	55.7	109.9	103 900*	60.0
62.0	36.2	97.2	118 000*	42.7	102.5	111 900*	48.5	106.1	105 700*	53.6	108.4	99 700*	62.0
64.0	33.1	94.2	113 300*	40.1	100.1	107 400*	46.1	104.2	101 500*	51.4	106.9	95 600*	64.0
66.0	29.7	90.8	108 900*	37.3	97.6	103 200*	43.6	102.1	97 500*	49.1	105.1	91 800*	66.0
68.0	26.0	86.9	104 700*	34.3	94.7	99 200*	41.1	99.9	93 700*	46.8	103.3	88 200*	68.0
70.0	21.6	82.1	100 600*	31.1	91.5	95 400*	38.3	97.4	90 100*	44.4	101.3	84 900*	70.0
72.0	16.0	75.9	96 700*	27.5	87.8	91 800*	35.4	94.6	86 700*	41.8	99.1	81 600*	72.0
74.0				23.4	83.4	88 400*	32.3	91.6	83 500*	39.2	96.6	78 600*	74.0
76.0				18.4	77.9	85 000*	28.8	88.1	80 400*	36.3	94.0	75 600*	76.0
80.0							20.3	79.0	74 500*	29.9	87.6	70 100*	80.0
84.0										21.8	79.1	64 900*	84.0
88.0										7.4	62.7	59 700*	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

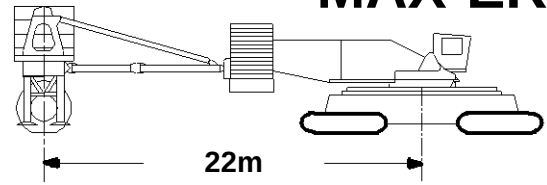
90 720 kg Carbody Counterweight

190 510 kg Wheeled Counterweight

at 22m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



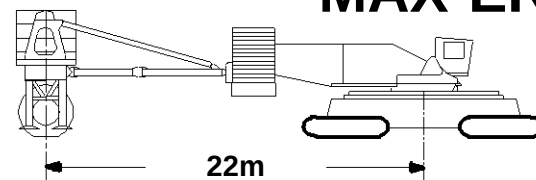
54.9m (180 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

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	220 400*										34.0
36.0	67.7	125.7	218 800*										36.0
38.0	66.0	124.8	209 000*										38.0
40.0	64.2	123.8	197 000*	68.3	125.3	187 000*							40.0
42.0	62.5	122.8	186 300*	66.6	124.5	176 800*							42.0
44.0	60.7	121.7	176 600*	64.9	123.5	167 600*							44.0
46.0	58.8	120.5	167 700*	63.2	122.5	159 100*							46.0
48.0	57.0	119.2	159 500*	61.4	121.4	151 300*							48.0
50.0	55.1	117.8	152 000*	59.6	120.3	144 100*	63.8	121.8	136 200*				50.0
52.0	53.1	116.3	145 100*	57.7	119.0	137 400*	62.0	120.7	129 900*				52.0
54.0	51.1	114.7	138 600*	55.8	117.7	131 300*	60.2	119.6	124 000*				54.0
56.0	49.0	113.0	132 600*	53.9	116.2	125 500*	58.4	118.4	118 500*				56.0
58.0	46.9	111.1	126 900*	51.9	114.6	120 100*	56.5	117.0	113 400*				58.0
60.0	44.7	109.1	121 700*	49.9	113.0	115 100*	54.6	115.6	108 600*	58.9	117.2	102 200*	60.0
62.0	42.4	106.9	116 800*	47.7	111.2	110 400*	52.6	114.1	104 100*	57.1	115.9	98 000*	62.0
64.0	40.0	104.6	112 100*	45.6	109.2	106 000*	50.6	112.5	99 900*	55.2	114.5	93 900*	64.0
66.0	37.4	102.0	107 700*	43.3	107.1	101 900*	48.5	110.7	96 000*	53.2	113.1	90 200*	66.0
68.0	34.7	99.2	103 600*	40.9	104.9	97 900*	46.4	108.8	92 200*	51.2	111.5	86 600*	68.0
70.0	31.8	96.0	99 700*	38.4	102.4	94 200*	44.1	106.8	88 700*	49.1	109.7	83 300*	70.0
72.0	28.6	92.5	95 900*	35.8	99.7	90 700*	41.8	104.6	85 300*	47.0	107.9	80 100*	72.0
74.0	25.0	88.4	92 300*	32.9	96.6	87 300*	39.3	102.2	82 100*	44.8	105.9	77 000*	74.0
76.0	20.8	83.5	88 900*	29.9	93.3	84 000*	36.7	99.5	79 100*	42.5	103.7	74 100*	76.0
80.0				22.6	84.8	78 000*	31.0	93.4	73 400*	37.5	98.8	68 700*	80.0
84.0							24.0	85.5	68 100*	31.9	92.9	63 700*	84.0
88.0							14.0	73.3	63 000*	25.2	85.3	59 100*	88.0
92.0										15.9	74.1	54 700*	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 22m 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	192 000*										38.0
40.0	66.3	130.6	190 900*										40.0
42.0	64.7	129.6	184 400*	68.5	131.1	175 000*							42.0
44.0	63.1	128.6	175 100*	67.0	130.2	165 700*							44.0
46.0	61.5	127.5	166 100*	65.4	129.3	157 300*							46.0
48.0	59.8	126.4	158 000*	63.8	128.3	149 500*							48.0
50.0	58.1	125.1	150 500*	62.1	127.3	142 300*							50.0
52.0	56.4	123.8	143 500*	60.5	126.2	135 700*	64.3	127.6	127 900*				52.0
54.0	54.6	122.4	137 100*	58.8	125.0	129 500*	62.7	126.6	122 000*				54.0
56.0	52.8	120.9	131 100*	57.1	123.7	123 800*	61.1	125.5	116 600*				56.0
58.0	50.9	119.3	125 500*	55.3	122.3	118 500*	59.4	124.3	111 500*				58.0
60.0	49.0	117.6	120 200*	53.5	120.8	113 500*	57.7	123.0	106 800*				60.0
62.0	47.1	115.7	115 300*	51.7	119.2	108 800*	55.9	121.7	102 300*				62.0
64.0	45.0	113.7	110 700*	49.8	117.6	104 400*	54.2	120.2	98 100*	58.2	121.9	92 000*	64.0
66.0	42.9	111.6	106 400*	47.8	115.8	100 200*	52.3	118.7	94 200*	56.5	120.6	88 200*	66.0
68.0	40.7	109.3	102 200*	45.8	113.8	96 300*	50.5	117.1	90 500*	54.7	119.2	84 700*	68.0
70.0	38.4	106.8	98 400*	43.8	111.8	92 600*	48.5	115.3	86 900*	52.9	117.7	81 300*	70.0
72.0	36.0	104.1	94 700*	41.6	109.6	89 100*	46.6	113.4	83 600*	51.0	116.1	78 200*	72.0
74.0	33.4	101.2	91 100*	39.3	107.2	85 800*	44.5	111.4	80 500*	49.1	114.3	75 200*	74.0
76.0	30.6	97.9	87 800*	37.0	104.5	82 600*	42.4	109.3	77 400*	47.2	112.5	72 300*	76.0
80.0	24.1	89.9	81 600*	31.7	98.5	76 700*	37.8	104.4	71 900*	43.0	108.4	67 000*	80.0
84.0	15.2	78.2	75 700*	25.5	91.0	71 300*	32.7	98.6	66 700*	38.5	103.6	62 100*	84.0
88.0				17.4	80.4	66 200*	26.7	91.4	61 900*	33.5	98.0	57 600*	88.0
92.0							19.1	81.5	57 400*	27.7	91.0	53 400*	92.0
96.0							2.2	58.6	52 700*	20.4	81.8	49 400*	96.0
100.0										7.9	65.0	45 400*	100.0

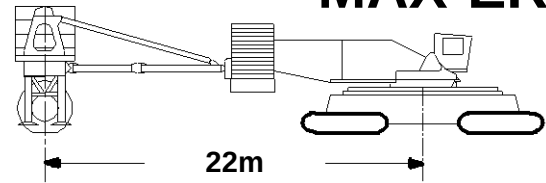
Liftcrane Luffing Jib Capacities

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 22m Position

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



Narrow or Wide Crawler Arrangement - 360 Degree Rating

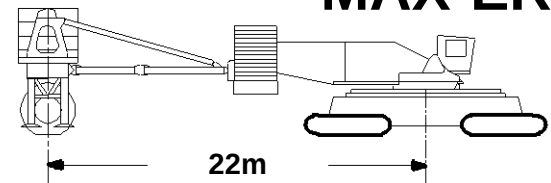
54.9m (180 Ft.) Boom, 85.3m (280 Ft.) Luffing Jib

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	167 400*										42.0
44.0	65.2	135.4	163 500*	68.7	136.9	164 200*							44.0
46.0	63.7	134.5	157 300*	67.3	136.0	155 700*							46.0
48.0	62.2	133.4	151 100*	65.8	135.1	148 000*							48.0
50.0	60.6	132.3	145 000*	64.3	134.2	140 800*							50.0
52.0	59.1	131.1	139 000*	62.8	133.1	134 200*							52.0
54.0	57.5	129.8	133 100*	61.3	132.0	128 100*							54.0
56.0	55.9	128.5	127 400*	59.7	130.9	122 400*	63.3	132.4	115 100*				56.0
58.0	54.2	127.0	121 700*	58.1	129.6	117 100*	61.8	131.3	110 000*				58.0
60.0	52.5	125.5	116 300*	56.5	128.3	112 100*	60.3	130.2	105 200*				60.0
62.0	50.8	123.9	111 000*	54.9	126.9	107 400*	58.7	129.0	100 800*				62.0
64.0	49.0	122.2	106 000*	53.2	125.4	103 000*	57.1	127.7	96 600*				64.0
66.0	47.2	120.3	101 100*	51.5	123.9	98 900*	55.5	126.3	92 700*	59.2	127.8	86 600*	66.0
68.0	45.3	118.4	96 400*	49.7	122.2	95 000*	53.8	124.9	89 000*	57.6	126.6	83 100*	68.0
70.0	43.4	116.3	91 900*	47.9	120.4	91 300*	52.1	123.3	85 500*	55.9	125.2	79 800*	70.0
72.0	41.4	114.0	87 600*	46.1	118.5	87 900*	50.4	121.7	82 200*	54.3	123.8	76 600*	72.0
74.0	39.3	111.6	83 500*	44.2	116.4	84 500*	48.6	119.9	79 000*	52.6	122.3	73 600*	74.0
76.0	37.0	109.0	79 600*	42.2	114.2	81 400*	46.7	118.1	76 100*	50.9	120.7	70 800*	76.0
80.0	32.2	103.1	72 300*	37.9	109.4	75 500*	42.9	113.9	70 500*	47.3	117.1	65 500*	80.0
84.0	26.7	95.8	65 600*	33.2	103.6	70 200*	38.7	109.2	65 500*	43.5	113.1	60 700*	84.0
88.0	19.6	86.1	59 800*	27.8	96.7	65 300*	34.1	103.6	60 800*	39.4	108.4	56 200*	88.0
92.0				21.2	87.6	60 700*	28.9	96.9	56 400*	34.8	103.0	52 100*	92.0
96.0				11.1	73.2	56 200*	22.5	88.3	52 400*	29.7	96.5	48 300*	96.0
100.0							13.5	75.5	48 400*	23.6	88.3	44 800*	100.0
104.0										15.2	76.5	41 300*	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 22m 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	147 300*							46.0
48.0	64.2	140.3	129 100*	67.5	141.8	143 000*							48.0
50.0	62.8	139.2	123 300*	66.1	140.9	137 600*							50.0
52.0	61.4	138.2	117 600*	64.7	140.0	132 100*							52.0
54.0	59.9	137.0	112 100*	63.3	139.0	126 300*							54.0
56.0	58.4	135.8	106 800*	61.9	137.9	120 600*							56.0
58.0	56.9	134.5	101 600*	60.5	136.8	115 300*	63.8	138.2	108 000*				58.0
60.0	55.4	133.1	96 600*	59.0	135.6	110 100*	62.4	137.2	103 300*				60.0
62.0	53.9	131.7	91 800*	57.5	134.3	104 900*	61.0	136.1	98 900*				62.0
64.0	52.3	130.1	87 100*	56.0	133.0	99 700*	59.5	134.9	94 700*				64.0
66.0	50.7	128.5	82 700*	54.5	131.5	94 800*	58.1	133.7	90 800*				66.0
68.0	49.0	126.8	78 400*	52.9	130.0	90 100*	56.6	132.3	87 200*				68.0
70.0	47.3	124.9	74 200*	51.3	128.5	85 500*	55.0	131.0	83 700*	58.5	132.5	77 800*	70.0
72.0	45.6	123.0	70 400*	49.7	126.8	81 100*	53.5	129.5	80 400*	57.0	131.2	74 700*	72.0
74.0	43.8	120.9	66 500*	48.0	125.0	76 800*	51.9	127.9	77 300*	55.5	129.9	71 700*	74.0
76.0	41.9	118.7	62 900*	46.3	123.1	72 700*	50.3	126.3	74 300*	54.0	128.4	68 900*	76.0
80.0	38.0	113.8	56 000*	42.7	118.9	65 000*	46.9	122.7	68 800*	50.8	125.3	63 700*	80.0
84.0	33.6	108.1	49 800*	38.8	114.2	58 000*	43.3	118.6	63 800*	47.4	121.7	58 900*	84.0
88.0	28.7	101.4	44 100*	34.5	108.7	51 600*	39.5	113.9	59 200*	43.9	117.7	54 500*	88.0
92.0	22.7	92.8	39 000*	29.7	102.1	45 700*	35.3	108.6	53 100*	40.1	113.2	50 400*	92.0
96.0	14.6	80.5	34 500*	24.0	94.0	40 400*	30.6	102.3	47 100*	35.9	107.9	46 700*	96.0
100.0				16.6	82.8	35 800*	25.1	94.5	41 700*	31.3	101.8	43 200*	100.0
104.0							18.1	84.0	36 900*	26.0	94.3	40 000*	104.0
108.0							4.6	62.9	33 500*	19.3	84.4	36 800*	108.0
112.0										8.3	67.3	33 700*	112.0

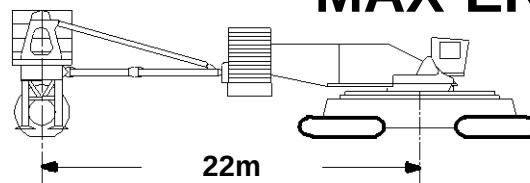
Liftcrane Luffing Jib Capacities

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 22m 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	350 800*b										24.0
26.0	61.8	96.2	322 500*b										26.0
28.0	58.1	95.0	298 400*b			c							28.0
30.0	54.2	93.6	277 300*b	64.1	96.2	264 600*b							30.0
32.0	50.2	91.9	258 800*	60.5	95.1	246 800*b							32.0
34.0	45.9	90.0	242 400*	56.8	93.8	231 200*b							34.0
36.0	41.2	87.8	227 700*	52.9	92.3	217 200*	62.7	94.5	206 700*b				36.0
38.0	36.0	85.1	214 400*	48.7	90.5	204 700*	59.1	93.4	194 700*b				38.0
40.0	30.0	81.9	202 300*	44.3	88.5	193 300*	55.3	92.0	183 900*b				40.0
42.0	22.4	77.5	191 200*	39.5	86.2	182 900*	51.3	90.4	174 000*				42.0
44.0	10.0	69.8	180 400*	34.0	83.3	173 400*	47.1	88.6	165 100*	57.4	91.1	156 600*b	44.0
46.0				27.6	79.8	164 500*	42.5	86.5	156 800*	53.6	89.6	148 800*b	46.0
48.0				19.2	74.8	156 200*	37.5	83.9	149 200*	49.5	87.9	141 600*	48.0
50.0							31.7	80.8	142 000*	45.1	86.0	134 900*	50.0
52.0							24.7	76.9	135 300*	40.3	83.7	128 700*	52.0
54.0							14.6	70.7	128 700*	35.0	81.0	122 900*	54.0
56.0										28.8	77.5	117 400*	56.0
58.0										20.8	72.9	112 100*	58.0

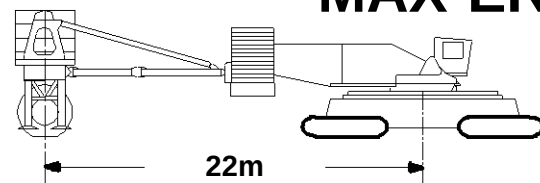
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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 22m 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	349 300*b										24.0
26.0	66.1	103.1	321 200*b										26.0
28.0	63.1	102.1	297 100*b										28.0
30.0	60.0	100.9	276 200*b	68.1	102.9	262 800*b							30.0
32.0	56.8	99.6	257 800*	65.1	102.0	245 100*b							32.0
34.0	53.5	98.2	241 400*	62.1	100.9	229 600*b							34.0
36.0	50.0	96.5	226 900*	58.9	99.7	215 700*							36.0
38.0	46.3	94.6	213 800*	55.7	98.4	203 300*							38.0
40.0	42.4	92.5	201 900*	52.3	96.9	192 000*	60.9	99.3	182 100*b				40.0
42.0	38.1	90.0	191 100*	48.8	95.1	181 800*	57.7	98.0	172 400*				42.0
44.0	33.4	87.1	181 100*	45.0	93.2	172 400*	54.4	96.6	163 500*				44.0
46.0	27.9	83.5	172 000*	41.0	90.9	163 800*	51.0	95.0	155 300*	59.5	97.1	146 900*b	46.0
48.0	21.0	78.8	163 400*	36.6	88.3	155 900*	47.4	93.2	147 900*	56.3	95.7	139 800*	48.0
50.0	10.0	70.9	155 000*	31.6	85.2	148 400*	43.5	91.1	140 900*	52.9	94.2	133 200*	50.0
52.0				25.7	81.3	141 500*	39.3	88.7	134 500*	49.4	92.5	127 100*	52.0
54.0				18.1	76.0	134 900*	34.7	86.0	128 400*	45.7	90.6	121 500*	54.0
56.0							29.5	82.6	122 700*	41.7	88.4	116 200*	56.0
58.0							23.1	78.3	117 300*	37.3	85.9	111 200*	58.0
60.0							14.0	71.8	112 000*	32.5	82.9	106 500*	60.0
62.0										26.8	79.1	102 000*	62.0
64.0										19.6	74.2	97 600*	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

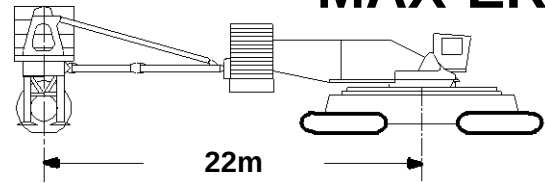
90 720 kg Carbody Counterweight

190 510 kg Wheeled Counterweight

at 22m 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

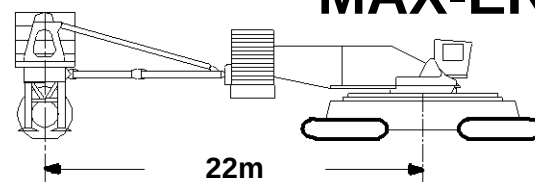
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
22.9	73.2	110.9	348 900*										22.9
24.0	71.8	110.5	343 400*										24.0
26.0	69.3	109.7	320 100*										26.0
28.0	66.7	108.9	296 100*										28.0
30.0	64.1	107.9	275 200*										30.0
32.0	61.5	106.8	256 900*	68.4	108.7	243 800*							32.0
34.0	58.7	105.6	240 600*	65.8	107.8	228 400*							34.0
36.0	55.9	104.3	226 000*	63.2	106.8	214 500*							36.0
38.0	52.9	102.8	213 000*	60.5	105.7	202 200*							38.0
40.0	49.9	101.1	201 200*	57.8	104.4	191 000*							40.0
42.0	46.7	99.3	190 500*	54.9	103.0	180 800*	62.2	105.1	171 100*				42.0
44.0	43.3	97.2	180 700*	51.9	101.5	171 500*	59.5	104.0	162 200*				44.0
46.0	39.6	94.8	171 700*	48.8	99.7	163 000*	56.7	102.7	154 200*				46.0
48.0	35.7	92.1	163 400*	45.5	97.8	155 100*	53.8	101.2	146 700*				48.0
50.0	31.3	88.9	155 800*	42.1	95.6	147 900*	50.7	99.6	139 800*	58.2	101.7	131 900*	50.0
52.0	26.2	85.1	148 600*	38.3	93.2	141 100*	47.6	97.8	133 500*	55.4	100.4	125 800*	52.0
54.0	19.9	80.1	141 800*	34.3	90.3	134 900*	44.2	95.8	127 600*	52.4	98.8	120 300*	54.0
56.0	10.0	72.0	135 100*	29.7	87.0	129 000*	40.7	93.5	122 000*	49.3	97.1	115 000*	56.0
58.0				24.3	82.8	123 400*	36.8	90.9	116 800*	46.1	95.2	110 100*	58.0
60.0				17.2	77.2	118 000*	32.6	87.9	112 000*	42.7	93.1	105 600*	60.0
62.0							27.7	84.3	107 300*	39.0	90.7	101 200*	62.0
64.0							21.8	79.7	102 900*	35.0	87.9	97 200*	64.0
66.0							13.5	72.9	98 500*	30.5	84.7	93 300*	66.0
68.0										25.2	80.7	89 500*	68.0
70.0										18.6	75.4	85 900*	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 22m 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	310 100*										26.0
28.0	69.5	115.5	295 500*										28.0
30.0	67.2	114.7	273 600*										30.0
32.0	64.9	113.7	255 300*										32.0
34.0	62.5	112.7	239 000*	68.7	114.5	226 500*							34.0
36.0	60.1	111.5	224 600*	66.4	113.6	212 700*							36.0
38.0	57.7	110.3	211 600*	64.1	112.6	200 300*							38.0
40.0	55.1	108.9	199 900*	61.7	111.5	189 200*							40.0
42.0	52.5	107.4	189 200*	59.3	110.4	179 100*							42.0
44.0	49.8	105.7	179 500*	56.8	109.1	169 900*	63.2	111.0	160 300*				44.0
46.0	46.9	103.9	170 600*	54.2	107.6	161 400*	60.8	109.9	152 200*				46.0
48.0	44.0	101.8	162 400*	51.6	106.1	153 600*	58.4	108.7	144 800*				48.0
50.0	40.8	99.5	154 800*	48.8	104.3	146 400*	55.8	107.3	138 000*				50.0
52.0	37.4	97.0	147 700*	45.9	102.4	139 700*	53.2	105.8	131 700*	59.7	107.7	123 800*	52.0
54.0	33.7	94.1	141 200*	42.9	100.3	133 600*	50.5	104.2	125 900*	57.2	106.4	118 200*	54.0
56.0	29.6	90.7	134 700*	39.7	97.9	127 800*	47.7	102.4	120 400*	54.7	105.0	113 100*	56.0
58.0	24.9	86.6	127 900*	36.2	95.3	122 400*	44.8	100.4	115 300*	52.0	103.4	108 300*	58.0
60.0	19.0	81.4	122 100*	32.4	92.2	117 300*	41.7	98.2	110 500*	49.3	101.7	103 800*	60.0
62.0	10.1	73.1	117 700*	28.1	88.6	112 500*	38.4	95.7	106 000*	46.4	99.9	99 500*	62.0
64.0				23.1	84.3	107 900*	34.8	92.9	101 800*	43.4	97.8	95 500*	64.0
66.0				16.5	78.4	103 400*	30.8	89.7	97 700*	40.2	95.5	91 700*	66.0
68.0							26.3	85.9	93 800*	36.8	92.9	88 100*	68.0
70.0							20.8	81.0	90 100*	33.0	89.9	84 700*	70.0
72.0							13.2	74.0	86 400*	28.8	86.4	81 400*	72.0
74.0										24.0	82.2	78 300*	74.0
76.0										17.8	76.6	75 200*	76.0

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

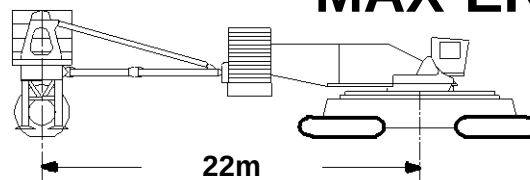
Liftcrane Luffing Jib Capacities

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 22m 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

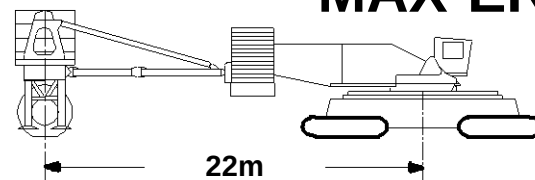
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity 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	270 100*b										28.0
30.0	69.6	121.3	266 700*										30.0
32.0	67.6	120.4	254 000*										32.0
34.0	65.5	119.5	237 800*										34.0
36.0	63.4	118.5	223 400*	68.9	120.2	211 300*							36.0
38.0	61.3	117.4	210 400*	66.9	119.4	198 900*							38.0
40.0	59.1	116.2	198 700*	64.8	118.4	187 800*							40.0
42.0	56.8	114.9	188 100*	62.7	117.4	177 700*							42.0
44.0	54.5	113.5	178 400*	60.5	116.3	168 500*							44.0
46.0	52.2	112.0	169 500*	58.3	115.1	160 100*	64.0	116.8	150 700*				46.0
48.0	49.7	110.3	161 400*	56.1	113.7	152 400*	61.9	115.8	143 400*				48.0
50.0	47.2	108.5	153 900*	53.7	112.3	145 200*	59.7	114.6	136 600*				50.0
52.0	44.5	106.5	146 900*	51.3	110.7	138 600*	57.5	113.3	130 300*				52.0
54.0	41.7	104.3	140 400*	48.8	108.9	132 500*	55.2	111.9	124 500*				54.0
56.0	38.7	101.8	133 700*	46.3	107.1	126 700*	52.8	110.4	119 100*	58.7	112.4	111 600*	56.0
58.0	35.5	99.1	126 500*	43.6	105.0	121 400*	50.4	108.8	114 000*	56.4	111.0	106 800*	58.0
60.0	32.1	96.0	119 900*	40.7	102.7	116 400*	47.9	107.0	109 300*	54.1	109.6	102 300*	60.0
62.0	28.2	92.4	113 800*	37.7	100.1	111 600*	45.2	105.1	104 900*	51.7	108.0	98 100*	62.0
64.0	23.8	88.1	108 400*	34.4	97.3	107 200*	42.5	102.9	100 700*	49.3	106.3	94 100*	64.0
66.0	18.3	82.6	103 900*	30.8	94.1	102 900*	39.6	100.5	96 700*	46.7	104.5	90 400*	66.0
68.0	10.1	74.1	101 000*	26.8	90.3	99 000*	36.4	97.9	93 000*	44.0	102.4	86 900*	68.0
70.0				22.1	85.7	95 100*	33.1	94.9	89 400*	41.2	100.2	83 500*	70.0
72.0				16.0	79.5	91 400*	29.3	91.4	86 000*	38.2	97.7	80 400*	72.0
74.0							25.1	87.4	82 700*	35.0	94.9	77 300*	74.0
76.0							19.9	82.3	79 600*	31.4	91.7	74 400*	76.0
80.0										22.9	83.6	68 900*	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 22m 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	235 000*										32.0
34.0	67.9	126.2	228 400*										34.0
36.0	66.0	125.3	219 800*										36.0
38.0	64.1	124.4	208 900*										38.0
40.0	62.2	123.3	197 100*	67.2	125.2	185 900*							40.0
42.0	60.2	122.2	186 500*	65.4	124.2	175 800*							42.0
44.0	58.2	120.9	176 800*	63.5	123.2	166 700*							44.0
46.0	56.1	119.6	168 000*	61.5	122.2	158 300*							46.0
48.0	54.0	118.2	159 900*	59.5	121.0	150 600*							48.0
50.0	51.9	116.6	152 400*	57.5	119.7	143 500*	62.7	121.6	134 600*				50.0
52.0	49.6	114.9	145 400*	55.4	118.4	136 900*	60.8	120.5	128 400*				52.0
54.0	47.3	113.1	139 000*	53.3	116.9	130 800*	58.8	119.3	122 600*				54.0
56.0	44.9	111.1	132 600*	51.1	115.3	125 100*	56.7	118.0	117 200*				56.0
58.0	42.4	108.9	125 700*	48.9	113.5	119 800*	54.6	116.6	112 200*	59.9	118.3	104 700*	58.0
60.0	39.8	106.6	119 200*	46.5	111.7	114 800*	52.5	115.0	107 500*	57.8	117.0	100 200*	60.0
62.0	37.0	104.0	113 100*	44.1	109.6	110 100*	50.3	113.4	103 100*	55.8	115.7	96 100*	62.0
64.0	33.9	101.1	107 400*	41.5	107.4	105 700*	48.0	111.6	98 900*	53.7	114.2	92 200*	64.0
66.0	30.7	97.8	102 200*	38.8	105.0	101 600*	45.6	109.7	95 000*	51.5	112.7	88 500*	66.0
68.0	27.0	94.0	97 500*	35.9	102.3	97 700*	43.1	107.6	91 300*	49.2	110.9	85 000*	68.0
70.0	22.8	89.6	93 300*	32.9	99.2	93 900*	40.5	105.3	87 800*	46.9	109.1	81 700*	70.0
72.0	17.7	83.9	89 900*	29.5	95.8	90 400*	37.7	102.7	84 500*	44.5	107.1	78 600*	72.0
74.0	10.1	75.2	87 500*	25.7	91.8	87 000*	34.8	99.9	81 300*	42.0	104.9	75 600*	74.0
76.0				21.2	87.0	83 700*	31.6	96.7	78 300*	39.3	102.5	72 800*	76.0
80.0							24.0	88.9	72 600*	33.4	96.9	67 500*	80.0
84.0							12.7	76.2	67 100*	26.3	89.7	62 500*	84.0
88.0										16.6	79.0	57 800*	88.0

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

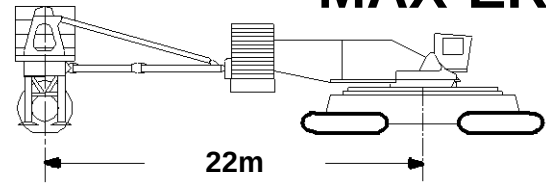
Liftcrane Luffing Jib Capacities

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 22m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



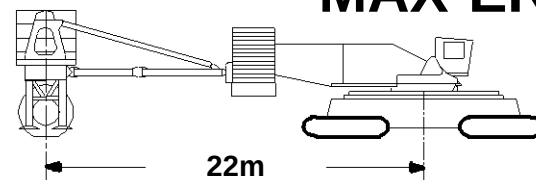
61.0m (200 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

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	203 400*										36.0
38.0	66.4	131.1	197 000*										38.0
40.0	64.7	130.2	189 900*	69.2	131.8	184 300*							40.0
42.0	62.9	129.1	182 500*	67.5	130.9	174 200*							42.0
44.0	61.1	128.0	175 000*	65.8	130.0	165 000*							44.0
46.0	59.3	126.9	166 600*	64.1	129.1	156 700*							46.0
48.0	57.5	125.6	158 400*	62.3	128.0	149 000*							48.0
50.0	55.6	124.2	150 900*	60.5	126.9	141 900*							50.0
52.0	53.6	122.8	144 000*	58.7	125.7	135 300*	63.4	127.4	126 600*				52.0
54.0	51.6	121.2	137 600*	56.8	124.4	129 200*	61.6	126.4	120 900*				54.0
56.0	49.6	119.5	131 400*	54.9	123.0	123 600*	59.8	125.2	115 500*				56.0
58.0	47.5	117.7	125 000*	53.0	121.5	118 200*	58.0	124.0	110 500*				58.0
60.0	45.3	115.7	118 900*	50.9	119.9	113 300*	56.1	122.6	105 800*				60.0
62.0	43.0	113.6	113 100*	48.9	118.1	108 700*	54.2	121.2	101 400*	59.0	123.0	94 300*	62.0
64.0	40.6	111.3	107 700*	46.7	116.3	104 300*	52.2	119.7	97 300*	57.1	121.7	90 500*	64.0
66.0	38.1	108.8	102 500*	44.5	114.3	100 200*	50.2	118.0	93 500*	55.2	120.3	86 800*	66.0
68.0	35.4	106.0	97 800*	42.2	112.1	96 300*	48.1	116.2	89 800*	53.3	118.8	83 300*	68.0
70.0	32.6	103.0	93 300*	39.8	109.7	92 600*	45.9	114.3	86 300*	51.3	117.3	80 000*	70.0
72.0	29.5	99.6	89 200*	37.2	107.1	89 100*	43.6	112.2	83 000*	49.2	115.5	77 000*	72.0
74.0	26.0	95.6	85 500*	34.5	104.3	85 800*	41.3	110.0	79 900*	47.1	113.7	74 000*	74.0
76.0	22.0	91.0	82 200*	31.5	101.1	82 600*	38.8	107.5	76 900*	44.9	111.7	71 200*	76.0
80.0	10.1	76.3	77 700*	24.7	93.4	76 700*	33.4	101.9	71 400*	40.2	107.2	66 000*	80.0
84.0				15.1	81.8	71 100*	27.0	94.8	66 300*	34.9	101.9	61 200*	84.0
88.0							18.6	84.9	61 400*	28.9	95.3	56 700*	88.0
92.0										21.3	86.4	52 500*	92.0
96.0										8.2	70.3	48 300*	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 22m 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

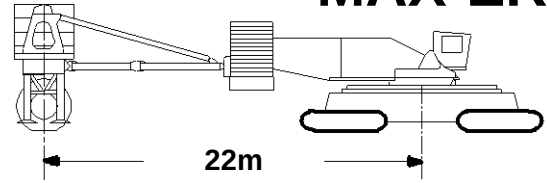
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity 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	170 600*	69.4	137.5	172 300*							42.0
44.0	63.6	135.0	164 700*	67.8	136.7	163 100*							44.0
46.0	61.9	133.9	158 700*	66.2	135.8	154 800*							46.0
48.0	60.3	132.8	152 500*	64.6	134.9	147 100*							48.0
50.0	58.6	131.6	146 300*	63.0	133.9	140 100*							50.0
52.0	56.8	130.3	140 200*	61.4	132.8	133 500*							52.0
54.0	55.1	128.9	134 200*	59.7	131.6	127 500*	64.0	133.3	118 900*				54.0
56.0	53.3	127.4	128 300*	58.0	130.4	121 800*	62.4	132.2	113 500*				56.0
58.0	51.4	125.8	122 500*	56.2	129.0	116 500*	60.7	131.1	108 600*				58.0
60.0	49.5	124.1	116 900*	54.5	127.6	111 600*	59.0	129.9	103 900*				60.0
62.0	47.6	122.3	111 600*	52.7	126.1	107 000*	57.3	128.6	99 500*				62.0
64.0	45.6	120.4	106 400*	50.8	124.5	102 600*	55.6	127.3	95 400*	60.0	128.9	88 400*	64.0
66.0	43.5	118.3	101 600*	48.9	122.7	98 500*	53.8	125.8	91 600*	58.3	127.7	84 700*	66.0
68.0	41.3	116.0	97 000*	46.9	120.9	94 700*	51.9	124.3	87 900*	56.5	126.4	81 300*	68.0
70.0	39.0	113.6	92 600*	44.9	118.9	91 000*	50.1	122.6	84 500*	54.8	125.0	78 000*	70.0
72.0	36.6	110.9	88 500*	42.8	116.8	87 600*	48.1	120.8	81 200*	53.0	123.5	75 000*	72.0
74.0	34.1	108.1	84 700*	40.5	114.5	84 300*	46.1	118.9	78 100*	51.1	121.9	72 100*	74.0
76.0	31.4	104.8	81 200*	38.2	112.0	81 200*	44.1	116.9	75 200*	49.2	120.1	69 300*	76.0
80.0	25.1	97.2	74 900*	33.2	106.2	75 400*	39.7	112.3	69 700*	45.2	116.3	64 200*	80.0
84.0	16.7	86.3	70 000*	27.3	99.2	70 000*	34.8	106.9	64 700*	40.9	112.0	59 400*	84.0
88.0				19.9	89.7	65 000*	29.2	100.3	60 100*	36.2	106.8	55 100*	88.0
92.0							22.4	91.8	55 700*	30.9	100.6	51 000*	92.0
96.0							12.3	78.4	51 500*	24.5	92.7	47 200*	96.0
100.0										15.8	81.4	43 600*	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 22m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



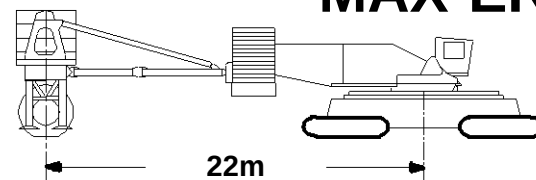
61.0m (200 Ft.) Boom, 85.3m (280 Ft.) Luffing Jib

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	153 200*							46.0
48.0	62.6	139.8	144 000*	66.6	141.6	145 600*							48.0
50.0	61.1	138.7	139 100*	65.1	140.7	138 500*							50.0
52.0	59.5	137.5	134 100*	63.6	139.7	132 000*							52.0
54.0	57.9	136.2	129 100*	62.1	138.6	126 000*							54.0
56.0	56.3	134.9	124 000*	60.5	137.5	120 300*							56.0
58.0	54.7	133.5	119 000*	59.0	136.3	115 100*	63.0	138.1	107 000*				58.0
60.0	53.0	132.0	114 100*	57.4	135.0	110 100*	61.5	137.0	102 300*				60.0
62.0	51.3	130.4	109 000*	55.7	133.7	105 600*	59.9	135.8	98 000*				62.0
64.0	49.5	128.7	104 200*	54.1	132.2	101 300*	58.3	134.6	93 900*				64.0
66.0	47.7	126.9	99 500*	52.4	130.7	97 200*	56.7	133.3	90 100*				66.0
68.0	45.8	125.0	95 000*	50.7	129.1	93 300*	55.1	131.9	86 500*	59.2	133.6	79 700*	68.0
70.0	43.9	122.9	90 700*	48.9	127.3	89 700*	53.4	130.4	83 000*	57.6	132.4	76 500*	70.0
72.0	41.9	120.7	86 500*	47.1	125.5	86 300*	51.7	128.9	79 800*	56.0	131.0	73 400*	72.0
74.0	39.8	118.3	82 500*	45.2	123.5	83 000*	50.0	127.2	76 700*	54.4	129.6	70 500*	74.0
76.0	37.6	115.8	78 700*	43.2	121.4	79 900*	48.2	125.4	73 800*	52.7	128.1	67 800*	76.0
80.0	32.9	110.0	71 500*	39.1	116.7	74 200*	44.4	121.5	68 400*	49.2	124.7	62 700*	80.0
84.0	27.5	102.9	65 000*	34.5	111.3	68 900*	40.4	117.0	63 400*	45.5	121.0	58 000*	84.0
88.0	20.7	93.7	59 300*	29.4	104.7	64 100*	36.0	111.8	58 900*	41.5	116.7	53 700*	88.0
92.0	10.1	78.4	54 600*	23.1	96.3	59 600*	31.0	105.6	54 600*	37.3	111.7	49 700*	92.0
96.0				14.5	84.1	55 200*	25.2	97.9	50 700*	32.5	105.8	46 000*	96.0
100.0							17.6	87.3	46 900*	26.9	98.6	42 600*	100.0
104.0										20.0	89.0	39 300*	104.0
108.0										8.6	72.5	36 000*	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 22m 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	139 700*							46.0
48.0	64.6	146.6	129 000*	68.2	148.2	139 700*							48.0
50.0	63.2	145.6	123 500*	66.9	147.4	136 400*							50.0
52.0	61.7	144.5	118 000*	65.5	146.5	130 100*							52.0
54.0	60.3	143.4	112 600*	64.1	145.5	124 100*							54.0
56.0	58.8	142.2	107 500*	62.7	144.5	118 500*							56.0
58.0	57.3	140.9	102 300*	61.2	143.4	113 300*	64.9	144.9	104 900*				58.0
60.0	55.8	139.6	97 400*	59.8	142.2	108 400*	63.5	143.9	100 300*				60.0
62.0	54.3	138.1	92 600*	58.3	141.0	103 800*	62.1	142.8	96 000*				62.0
64.0	52.7	136.6	88 000*	56.8	139.7	99 500*	60.7	141.7	92 000*				64.0
66.0	51.1	135.0	83 600*	55.3	138.3	95 400*	59.2	140.5	88 100*				66.0
68.0	49.5	133.3	79 300*	53.8	136.9	91 600*	57.8	139.3	84 600*				68.0
70.0	47.8	131.5	75 200*	52.2	135.3	87 700*	56.2	137.9	81 100*				70.0
72.0	46.0	129.6	71 200*	50.6	133.7	83 300*	54.7	136.5	77 900*	58.6	138.3	71 400*	72.0
74.0	44.3	127.6	67 500*	48.9	131.9	79 000*	53.2	135.0	74 900*	57.1	137.0	68 500*	74.0
76.0	42.4	125.4	63 800*	47.2	130.1	74 900*	51.6	133.5	71 900*	55.6	135.7	65 800*	76.0
80.0	38.5	120.6	56 900*	43.6	126.1	67 000*	48.2	130.0	66 600*	52.4	132.7	60 700*	80.0
84.0	34.2	115.0	50 600*	39.8	121.5	59 900*	44.8	126.1	61 700*	49.2	129.3	56 100*	84.0
88.0	29.4	108.4	44 900*	35.7	116.2	53 300*	41.0	121.7	57 200*	45.7	125.6	51 800*	88.0
92.0	23.6	100.2	39 600*	31.0	110.0	47 300*	37.0	116.7	53 000*	42.1	121.3	47 900*	92.0
96.0	16.0	88.6	35 100*	25.6	102.3	41 900*	32.5	110.8	49 200*	38.1	116.5	44 300*	96.0
100.0				18.8	92.2	37 000*	27.4	103.7	43 900*	33.8	110.8	41 000*	100.0
104.0							21.1	94.5	38 800*	28.9	104.1	37 800*	104.0
108.0							12.0	80.5	34 600*	23.0	95.7	34 800*	108.0
112.0										15.1	83.7	31 900*	112.0

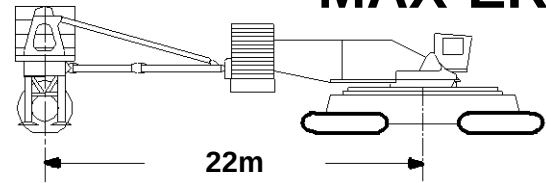
Liftcrane Luffing Jib Capacities

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 22m 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	320 700*b										26.0
28.0	59.1	101.4	296 700*b										28.0
30.0	55.3	100.0	275 800*b			c							30.0
32.0	51.3	98.5	257 400*	62.4	101.7	243 700*b							32.0
34.0	47.0	96.6	241 100*	58.8	100.5	228 200*b							34.0
36.0	42.5	94.5	226 400*	55.0	99.1	214 400*b							36.0
38.0	37.4	92.0	213 300*	51.0	97.5	202 100*	62.0	100.2	190 600*b				38.0
40.0	31.7	88.9	201 300*	46.7	95.6	190 800*	58.3	99.0	180 000*b				40.0
42.0	24.6	84.9	190 200*	42.1	93.5	180 600*	54.5	97.6	170 400*b				42.0
44.0	14.5	78.7	179 800*	37.0	90.9	171 200*	50.5	95.9	161 600*				44.0
46.0				31.2	87.8	162 500*	46.1	94.0	153 500*	57.6	96.9	144 400*b	46.0
48.0				24.0	83.7	154 400*	41.5	91.8	146 100*	53.7	95.4	137 300*b	48.0
50.0				13.3	77.2	146 500*	36.3	89.2	139 100*	49.6	93.8	130 900*	50.0
52.0							30.4	86.0	132 600*	45.3	91.8	124 900*	52.0
54.0							23.0	81.7	126 400*	40.5	89.5	119 200*	54.0
56.0							11.2	74.5	120 200*	35.2	86.8	113 900*	56.0
58.0										29.1	83.4	108 900*	58.0
60.0										21.2	78.8	104 100*	60.0

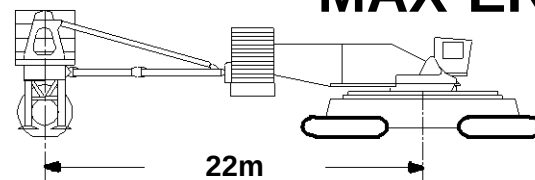
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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 22m 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, 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	319 500*b										26.0
28.0	63.9	108.4	295 400*b										28.0
30.0	60.9	107.3	274 600*b										30.0
32.0	57.7	106.1	256 300*	66.7	108.5	241 900*b							32.0
34.0	54.4	104.7	240 000*	63.7	107.5	226 500*b							34.0
36.0	51.0	103.0	225 500*	60.6	106.4	212 900*b							36.0
38.0	47.3	101.2	212 500*	57.4	105.1	200 600*							38.0
40.0	43.5	99.2	200 700*	54.1	103.7	189 400*	63.3	106.0	178 100*b				40.0
42.0	39.3	96.8	189 900*	50.7	102.1	179 300*	60.2	104.9	168 600*b				42.0
44.0	34.7	94.0	180 100*	47.0	100.3	170 100*	57.0	103.6	159 900*				44.0
46.0	29.4	90.6	171 000*	43.2	98.2	161 600*	53.7	102.2	151 900*				46.0
48.0	23.0	86.3	162 500*	39.0	95.8	153 800*	50.2	100.5	144 600*				48.0
50.0	13.9	79.8	154 400*	34.3	92.9	146 500*	46.6	98.7	137 800*	56.4	101.5	129 000*	50.0
52.0				29.0	89.5	139 700*	42.7	96.5	131 500*	53.1	100.0	123 100*	52.0
54.0				22.5	85.1	133 300*	38.4	94.1	125 600*	49.5	98.4	117 600*	54.0
56.0				12.9	78.2	127 000*	33.7	91.2	120 000*	45.8	96.4	112 500*	56.0
58.0							28.2	87.7	114 800*	41.9	94.3	107 600*	58.0
60.0							21.5	83.1	109 800*	37.5	91.7	103 100*	60.0
62.0							11.1	75.6	104 700*	32.7	88.7	98 800*	62.0
64.0										27.1	85.1	94 700*	64.0
66.0										19.9	80.1	90 600*	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).

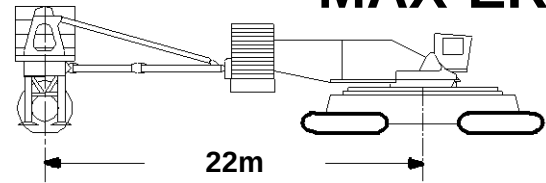
Liftcrane Luffing Jib Capacities

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 22m 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	309 900*b										26.0
28.0	67.4	115.2	295 400*b										28.0
30.0	64.8	114.2	273 500*b										30.0
32.0	62.2	113.2	255 300*	69.8	115.1	240 500*b							32.0
34.0	59.4	112.0	239 100*	67.2	114.3	225 200*b							34.0
36.0	56.6	110.7	224 700*	64.6	113.3	211 600*b							36.0
38.0	53.7	109.3	211 700*	62.0	112.3	199 400*							38.0
40.0	50.7	107.6	200 000*	59.2	111.1	188 300*							40.0
42.0	47.5	105.8	189 400*	56.4	109.8	178 300*							42.0
44.0	44.2	103.8	179 600*	53.5	108.3	169 100*	61.6	110.8	158 500*				44.0
46.0	40.6	101.5	170 600*	50.5	106.7	160 700*	58.9	109.6	150 600*				46.0
48.0	36.8	98.9	160 500*	47.3	104.9	152 900*	56.1	108.3	143 400*				48.0
50.0	32.5	95.9	150 900*	43.9	102.8	145 800*	53.1	106.8	136 600*				50.0
52.0	27.7	92.3	142 400*	40.4	100.5	139 200*	50.1	105.1	130 400*	58.3	107.5	121 700*	52.0
54.0	21.8	87.7	135 300*	36.5	97.9	133 000*	46.9	103.3	124 600*	55.5	106.2	116 200*	54.0
56.0	13.4	80.9	130 100*	32.2	94.8	127 200*	43.5	101.2	119 200*	52.5	104.6	111 200*	56.0
58.0				27.2	91.1	121 700*	39.9	98.9	114 100*	49.5	102.9	106 400*	58.0
60.0				21.2	86.4	116 500*	36.0	96.2	109 400*	46.2	101.1	102 000*	60.0
62.0				12.6	79.3	111 300*	31.6	93.1	104 900*	42.8	98.9	97 800*	62.0
64.0							26.6	89.3	100 600*	39.1	96.5	93 900*	64.0
66.0							20.4	84.4	96 400*	35.1	93.8	90 100*	66.0
68.0							11.0	76.6	92 200*	30.7	90.5	86 600*	68.0
70.0										25.5	86.6	83 100*	70.0
72.0										18.9	81.4	79 700*	72.0

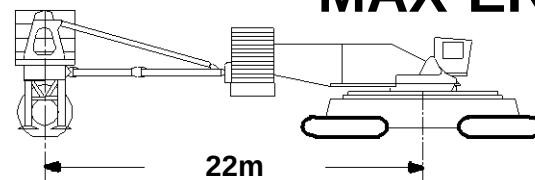
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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 22m 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* b										24.4
26.0	72.3	122.5	282 000* b										26.0
28.0	70.1	121.8	278 100* b										28.0
30.0	67.8	121.0	265 800* b										30.0
32.0	65.5	120.1	253 400*										32.0
34.0	63.2	119.0	237 600*										34.0
36.0	60.8	117.9	223 200*	67.6	120.1	209 800* b							36.0
38.0	58.3	116.7	210 300*	65.3	119.1	197 500*							38.0
40.0	55.8	115.4	198 600*	63.0	118.1	186 500*							40.0
42.0	53.2	113.9	188 000*	60.6	117.0	176 500*							42.0
44.0	50.5	112.2	178 300*	58.1	115.8	167 400*							44.0
46.0	47.7	110.4	168 000*	55.6	114.4	159 000*	62.7	116.7	148 600*				46.0
48.0	44.8	108.5	158 000*	53.0	112.9	151 300*	60.3	115.5	141 400*				48.0
50.0	41.7	106.3	148 600*	50.3	111.3	144 300*	57.8	114.3	134 700*				50.0
52.0	38.3	103.8	139 900*	47.5	109.5	137 700*	55.3	112.9	128 500*				52.0
54.0	34.7	101.0	132 000*	44.5	107.5	131 600*	52.7	111.4	122 800*				54.0
56.0	30.8	97.7	124 900*	41.4	105.2	125 900*	50.0	109.7	117 500*	57.3	112.2	109 100*	56.0
58.0	26.2	93.9	118 500*	38.1	102.7	120 600*	47.1	107.9	112 500*	54.8	110.8	104 400*	58.0
60.0	20.7	89.0	113 100*	34.4	99.9	115 500*	44.2	105.9	107 800*	52.2	109.2	100 100*	60.0
62.0	13.1	82.0	109 100*	30.4	96.6	110 800*	41.0	103.6	103 400*	49.4	107.5	95 900*	62.0
64.0				25.8	92.7	106 300*	37.6	101.1	99 300*	46.6	105.7	92 100*	64.0
66.0				20.3	87.8	102 000*	34.0	98.2	95 300*	43.6	103.6	88 400*	66.0
68.0				12.3	80.4	97 700*	29.9	94.8	91 500*	40.4	101.3	84 900*	68.0
70.0							25.2	90.8	87 900*	36.9	98.7	81 600*	70.0
72.0							19.4	85.7	84 500*	33.2	95.7	78 500*	72.0
74.0							10.9	77.7	80 900*	29.0	92.3	75 500*	74.0
76.0										24.2	88.1	72 600*	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

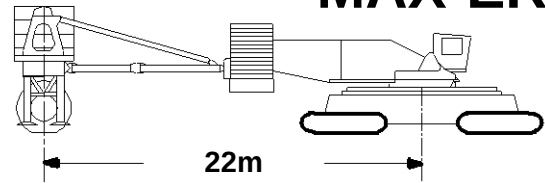
90 720 kg Carbody Counterweight

190 510 kg Wheeled Counterweight

at 22m 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	236 000*										32.0
34.0	66.1	125.8	226 100*										34.0
36.0	64.0	124.9	215 800*										36.0
38.0	61.8	123.8	205 400*	68.0	125.8	196 000*							38.0
40.0	59.7	122.6	194 900*	65.9	124.9	185 000*							40.0
42.0	57.4	121.4	184 500*	63.8	124.0	175 100*							42.0
44.0	55.2	120.0	174 400*	61.7	122.9	166 000*							44.0
46.0	52.8	118.5	164 700*	59.5	121.7	157 700*							46.0
48.0	50.4	116.8	155 500*	57.3	120.4	150 000*	63.5	122.5	139 900*				48.0
50.0	47.8	115.1	146 700*	55.0	119.0	143 000*	61.4	121.4	133 200*				50.0
52.0	45.2	113.1	138 400*	52.6	117.5	136 500*	59.2	120.2	127 100*				52.0
54.0	42.4	110.9	130 700*	50.2	115.9	130 400*	57.0	118.9	121 400*				54.0
56.0	39.5	108.6	123 600*	47.6	114.1	124 800*	54.7	117.5	116 100*				56.0
58.0	36.4	105.9	116 900*	45.0	112.1	119 500*	52.3	116.0	111 100*	58.8	118.1	102 900*	58.0
60.0	33.0	102.9	110 900*	42.2	109.9	114 500*	49.9	114.3	106 500*	56.5	116.8	98 500*	60.0
62.0	29.3	99.5	105 400*	39.3	107.5	109 900*	47.3	112.5	102 100*	54.2	115.4	94 500*	62.0
64.0	25.0	95.4	100 500*	36.2	104.9	105 500*	44.7	110.5	98 100*	51.8	113.8	90 600*	64.0
66.0	19.9	90.3	96 300*	32.7	101.8	101 400*	41.9	108.3	94 200*	49.4	112.1	87 000*	66.0
68.0	12.8	83.1	93 200*	29.0	98.4	97 400*	38.9	105.9	90 500*	46.8	110.3	83 600*	68.0
70.0				24.7	94.2	93 600*	35.7	103.2	87 000*	44.1	108.3	80 400*	70.0
72.0				19.4	89.0	90 000*	32.3	100.1	83 800*	41.3	106.0	77 300*	72.0
74.0				12.1	81.5	86 400*	28.5	96.5	80 600*	38.3	103.5	74 400*	74.0
76.0							24.1	92.3	77 500*	35.1	100.8	71 600*	76.0
80.0							10.8	78.8	71 500*	27.7	93.9	66 300*	80.0
84.0										17.4	83.8	61 300*	84.0

Capacities indicated by (b) require

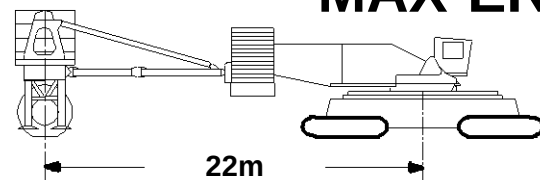
16 780 kg minimum weight suspended

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 22m 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			Jib Oper. Rad. m	80 Degree Boom Angle			Jib Oper. Rad. m	75 Degree Boom Angle			Jib Oper. Rad. m	70 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms		Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms		Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms		Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
27.4	74.3	134.8	216 400*	27.4	74.3	134.8	216 400*	27.4	74.3	134.8	216 400*	27.4	74.3	134.8	216 400*	27.4
28.0	73.8	134.7	216 400*	28.0	73.8	134.7	216 400*	28.0	73.8	134.7	216 400*	28.0	73.8	134.7	216 400*	28.0
30.0	72.0	134.0	216 400*	30.0	72.0	134.0	216 400*	30.0	72.0	134.0	216 400*	30.0	72.0	134.0	216 400*	30.0
32.0	70.2	133.3	216 400*	32.0	70.2	133.3	216 400*	32.0	70.2	133.3	216 400*	32.0	70.2	133.3	216 400*	32.0
34.0	68.4	132.5	210 000*	34.0	68.4	132.5	210 000*	34.0	68.4	132.5	210 000*	34.0	68.4	132.5	210 000*	34.0
36.0	66.5	131.6	202 000*	36.0	66.5	131.6	202 000*	36.0	66.5	131.6	202 000*	36.0	66.5	131.6	202 000*	36.0
38.0	64.6	130.7	193 700*	38.0	64.6	130.7	193 700*	38.0	64.6	130.7	193 700*	38.0	64.6	130.7	193 700*	38.0
40.0	62.7	129.7	185 200*	40.0	62.7	129.7	185 200*	40.0	62.7	129.7	185 200*	40.0	62.7	129.7	185 200*	40.0
42.0	60.7	128.5	176 600*	42.0	60.7	128.5	176 600*	42.0	60.7	128.5	176 600*	42.0	60.7	128.5	176 600*	42.0
44.0	58.7	127.3	168 100*	44.0	58.7	127.3	168 100*	44.0	58.7	127.3	168 100*	44.0	58.7	127.3	168 100*	44.0
46.0	56.7	126.0	159 700*	46.0	56.7	126.0	159 700*	46.0	56.7	126.0	159 700*	46.0	56.7	126.0	159 700*	46.0
48.0	54.6	124.6	151 500*	48.0	54.6	124.6	151 500*	48.0	54.6	124.6	151 500*	48.0	54.6	124.6	151 500*	48.0
50.0	52.5	123.1	143 600*	50.0	52.5	123.1	143 600*	50.0	52.5	123.1	143 600*	50.0	52.5	123.1	143 600*	50.0
52.0	50.2	121.4	136 100*	52.0	50.2	121.4	136 100*	52.0	50.2	121.4	136 100*	52.0	50.2	121.4	136 100*	52.0
54.0	48.0	119.7	128 900*	54.0	48.0	119.7	128 900*	54.0	48.0	119.7	128 900*	54.0	48.0	119.7	128 900*	54.0
56.0	45.6	117.7	122 100*	56.0	45.6	117.7	122 100*	56.0	45.6	117.7	122 100*	56.0	45.6	117.7	122 100*	56.0
58.0	43.1	115.6	115 700*	58.0	43.1	115.6	115 700*	58.0	43.1	115.6	115 700*	58.0	43.1	115.6	115 700*	58.0
60.0	40.5	113.3	109 800*	60.0	40.5	113.3	109 800*	60.0	40.5	113.3	109 800*	60.0	40.5	113.3	109 800*	60.0
62.0	37.7	110.8	104 200*	62.0	37.7	110.8	104 200*	62.0	37.7	110.8	104 200*	62.0	37.7	110.8	104 200*	62.0
64.0	34.8	107.9	99 000*	64.0	34.8	107.9	99 000*	64.0	34.8	107.9	99 000*	64.0	34.8	107.9	99 000*	64.0
66.0	31.6	104.8	94 300*	66.0	31.6	104.8	94 300*	66.0	31.6	104.8	94 300*	66.0	31.6	104.8	94 300*	66.0
68.0	28.0	101.2	90 000*	68.0	28.0	101.2	90 000*	68.0	28.0	101.2	90 000*	68.0	28.0	101.2	90 000*	68.0
70.0	24.0	96.9	86 200*	70.0	24.0	96.9	86 200*	70.0	24.0	96.9	86 200*	70.0	24.0	96.9	86 200*	70.0
72.0	19.2	91.6	82 900*	72.0	19.2	91.6	82 900*	72.0	19.2	91.6	82 900*	72.0	19.2	91.6	82 900*	72.0
74.0	12.6	84.2	80 600*	74.0	12.6	84.2	80 600*	74.0	12.6	84.2	80 600*	74.0	12.6	84.2	80 600*	74.0
76.0				76.0				76.0				76.0				76.0
80.0				80.0				80.0				80.0				80.0
84.0				84.0				84.0				84.0				84.0
88.0				88.0				88.0				88.0				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

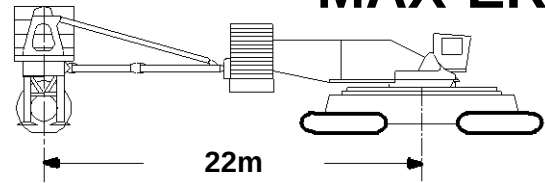
90 720 kg Carbody Counterweight

190 510 kg Wheeled Counterweight

at 22m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



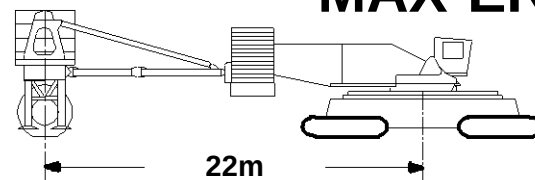
67.1m (220 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

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	171 500*							42.0
44.0	61.6	134.4	161 000*	66.7	136.5	162 400*							44.0
46.0	59.8	133.3	154 000*	65.0	135.6	154 100*							46.0
48.0	58.0	132.0	147 000*	63.3	134.6	146 600*							48.0
50.0	56.1	130.7	140 200*	61.5	133.5	139 600*							50.0
52.0	54.1	129.2	133 600*	59.7	132.3	133 100*	64.8	134.1	123 300*				52.0
54.0	52.2	127.7	127 100*	57.8	131.1	127 100*	63.0	133.1	117 600*				54.0
56.0	50.1	126.0	120 900*	55.9	129.7	121 500*	61.3	132.0	112 400*				56.0
58.0	48.0	124.3	115 000*	54.0	128.3	116 300*	59.4	130.8	107 500*				58.0
60.0	45.9	122.3	109 300*	52.0	126.7	111 400*	57.6	129.6	102 900*				60.0
62.0	43.6	120.3	104 000*	50.0	125.1	106 800*	55.7	128.2	98 600*				62.0
64.0	41.3	118.0	99 000*	47.9	123.3	102 500*	53.8	126.8	94 600*	59.1	128.8	86 800*	64.0
66.0	38.8	115.6	94 300*	45.7	121.4	98 500*	51.8	125.2	90 800*	57.2	127.5	83 200*	66.0
68.0	36.2	112.9	89 900*	43.4	119.3	94 600*	49.7	123.5	87 200*	55.3	126.1	79 900*	68.0
70.0	33.3	109.9	85 900*	41.1	117.0	91 000*	47.6	121.7	83 800*	53.4	124.6	76 700*	70.0
72.0	30.3	106.6	82 200*	38.6	114.5	87 600*	45.4	119.8	80 600*	51.4	123.1	73 700*	72.0
74.0	27.0	102.8	78 700*	35.9	111.8	84 300*	43.1	117.7	77 600*	49.3	121.3	70 900*	74.0
76.0	23.1	98.4	75 700*	33.1	108.8	81 200*	40.8	115.4	74 700*	47.2	119.5	68 200*	76.0
80.0	12.4	85.2	71 400*	26.7	101.6	75 400*	35.6	110.1	69 200*	42.7	115.4	63 100*	80.0
84.0				18.2	91.6	69 900*	29.7	103.7	64 300*	37.8	110.5	58 500*	84.0
88.0							22.3	95.2	59 600*	32.2	104.6	54 200*	88.0
92.0							10.7	80.9	55 000*	25.5	97.1	50 200*	92.0
96.0										16.4	86.2	46 300*	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 22m 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

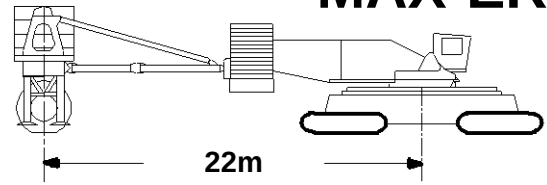
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity 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	160 500*							44.0
46.0	62.4	140.3	146 200*	67.1	142.3	152 200*							46.0
48.0	60.7	139.2	140 400*	65.5	141.4	144 700*							48.0
50.0	59.0	138.0	134 600*	63.9	140.4	137 700*							50.0
52.0	57.3	136.7	128 900*	62.2	139.4	131 200*							52.0
54.0	55.6	135.3	123 300*	60.6	138.2	125 300*							54.0
56.0	53.8	133.9	117 800*	58.9	137.0	119 700*	63.7	138.9	110 300*				56.0
58.0	51.9	132.3	112 500*	57.2	135.8	114 500*	62.0	137.9	105 500*				58.0
60.0	50.0	130.6	107 300*	55.4	134.4	109 600*	60.4	136.8	100 900*				60.0
62.0	48.1	128.9	102 400*	53.6	132.9	105 100*	58.7	135.5	96 600*				62.0
64.0	46.1	127.0	97 700*	51.8	131.3	100 800*	56.9	134.2	92 700*				64.0
66.0	44.0	124.9	93 200*	49.9	129.7	96 800*	55.2	132.9	88 900*				66.0
68.0	41.9	122.7	89 000*	48.0	127.9	93 000*	53.4	131.4	85 300*	58.3	133.5	77 800*	68.0
70.0	39.6	120.3	85 000*	46.0	126.0	89 400*	51.6	129.8	81 900*	56.6	132.1	74 600*	70.0
72.0	37.3	117.7	81 300*	43.9	123.9	86 000*	49.7	128.1	78 800*	54.8	130.7	71 700*	72.0
74.0	34.8	114.9	77 800*	41.7	121.7	82 700*	47.7	126.3	75 800*	53.0	129.3	68 900*	74.0
76.0	32.1	111.8	74 500*	39.5	119.3	79 700*	45.7	124.4	72 900*	51.2	127.7	66 200*	76.0
80.0	26.0	104.4	68 800*	34.6	113.9	73 900*	41.4	120.1	67 600*	47.3	124.1	61 200*	80.0
84.0	18.0	94.1	64 300*	29.0	107.2	68 700*	36.8	115.0	62 700*	43.2	120.1	56 700*	84.0
88.0				22.1	98.5	63 800*	31.5	109.0	58 200*	38.7	115.3	52 500*	88.0
92.0				11.6	84.7	59 100*	25.3	101.3	53 900*	33.7	109.7	48 600*	92.0
96.0							17.0	90.6	49 900*	28.0	102.8	44 900*	96.0
100.0										20.8	93.7	41 500*	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 22m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



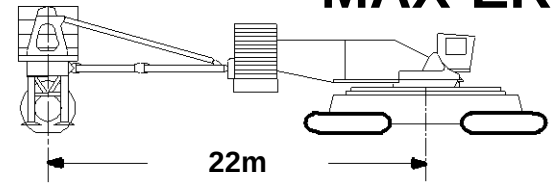
67.1m (220 Ft.) Boom, 85.3m (280 Ft.) Luffing Jib

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	150 400*							46.0
48.0	63.0	146.1	132 900*	67.3	148.1	143 100*							48.0
50.0	61.5	145.0	128 300*	65.9	147.2	136 100*							50.0
52.0	59.9	143.9	123 600*	64.4	146.2	129 700*							52.0
54.0	58.3	142.7	118 800*	62.9	145.2	123 800*							54.0
56.0	56.7	141.3	114 100*	61.3	144.1	118 200*							56.0
58.0	55.1	140.0	109 400*	59.8	143.0	113 000*	64.2	144.8	103 800*				58.0
60.0	53.4	138.5	104 800*	58.2	141.7	108 200*	62.7	143.7	99 300*				60.0
62.0	51.7	136.9	100 400*	56.6	140.4	103 600*	61.1	142.6	95 100*				62.0
64.0	50.0	135.2	96 200*	55.0	139.0	99 400*	59.6	141.5	91 100*				64.0
66.0	48.2	133.5	92 000*	53.3	137.5	95 400*	58.0	140.2	87 300*				66.0
68.0	46.3	131.6	88 000*	51.6	136.0	91 600*	56.4	138.9	83 800*				68.0
70.0	44.4	129.6	84 200*	49.8	134.3	88 000*	54.8	137.5	80 500*				70.0
72.0	42.4	127.4	80 600*	48.0	132.5	84 600*	53.1	136.0	77 300*	57.7	138.1	70 000*	72.0
74.0	40.4	125.1	77 200*	46.2	130.6	81 400*	51.4	134.4	74 300*	56.1	136.8	67 200*	74.0
76.0	38.2	122.6	74 000*	44.3	128.6	78 400*	49.6	132.7	71 400*	54.4	135.4	64 600*	76.0
80.0	33.6	116.9	68 100*	40.2	124.0	72 700*	45.9	129.0	66 100*	51.0	132.3	59 700*	80.0
84.0	28.2	110.0	63 000*	35.8	118.8	67 500*	42.0	124.8	61 300*	47.4	128.7	55 200*	84.0
88.0	21.7	101.2	58 800*	30.8	112.5	62 800*	37.8	119.9	56 900*	43.6	124.7	51 000*	88.0
92.0	12.1	87.4	55 200*	24.9	104.8	58 400*	33.1	114.1	52 800*	39.5	120.1	47 200*	92.0
96.0				17.2	94.0	54 200*	27.6	107.1	48 900*	35.0	114.7	43 600*	96.0
100.0							20.9	97.9	45 300*	29.9	108.3	40 300*	100.0
104.0							10.6	83.1	41 700*	23.9	100.1	37 200*	104.0
108.0										15.6	88.6	34 200*	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 22m 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			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	74.6	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	132 100*							48.0
50.0	63.5	151.9	120 700*	67.6	153.9	132 100*							50.0
52.0	62.1	150.9	116 800*	66.2	153.0	127 900*							52.0
54.0	60.7	149.8	112 800*	64.8	152.0	121 900*							54.0
56.0	59.2	148.6	108 000*	63.4	151.0	116 300*							56.0
58.0	57.7	147.3	103 000*	62.0	150.0	111 200*							58.0
60.0	56.2	146.0	98 100*	60.6	148.8	106 300*	64.6	150.6	97 300*				60.0
62.0	54.7	144.6	93 400*	59.1	147.7	101 800*	63.2	149.6	93 000*				62.0
64.0	53.1	143.1	88 900*	57.6	146.4	97 600*	61.8	148.5	89 100*				64.0
66.0	51.5	141.5	84 400*	56.1	145.1	93 600*	60.4	147.4	85 300*				66.0
68.0	49.9	139.8	80 100*	54.6	143.6	89 800*	58.9	146.2	81 800*				68.0
70.0	48.2	138.1	76 000*	53.0	142.1	86 300*	57.4	144.9	78 500*				70.0
72.0	46.5	136.2	72 100*	51.4	140.6	82 900*	55.9	143.5	75 400*				72.0
74.0	44.7	134.2	68 300*	49.8	138.9	79 700*	54.4	142.1	72 400*	58.6	144.1	65 200*	74.0
76.0	42.9	132.1	64 700*	48.1	137.1	76 700*	52.8	140.6	69 500*	57.1	142.8	62 500*	76.0
80.0	39.0	127.3	57 700*	44.6	133.2	69 000*	49.6	137.3	64 300*	54.1	140.0	57 600*	80.0
84.0	34.8	121.9	51 400*	40.9	128.8	61 700*	46.2	133.6	59 500*	50.9	136.9	53 200*	84.0
88.0	30.0	115.4	45 600*	36.8	123.7	55 000*	42.5	129.4	55 100*	47.6	133.3	49 100*	88.0
92.0	24.4	107.5	40 300*	32.3	117.7	48 900*	38.6	124.7	51 100*	44.0	129.4	45 300*	92.0
96.0	17.2	96.6	35 600*	27.2	110.5	43 300*	34.3	119.1	47 400*	40.2	124.8	41 800*	96.0
100.0				20.8	101.3	38 300*	29.5	112.5	43 800*	36.1	119.6	38 600*	100.0
104.0				11.4	86.9	34 100*	23.8	104.3	40 500*	31.5	113.5	35 600*	104.0
108.0							16.2	93.0	36 200*	26.2	106.1	32 700*	108.0
112.0										19.6	96.3	30 000*	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

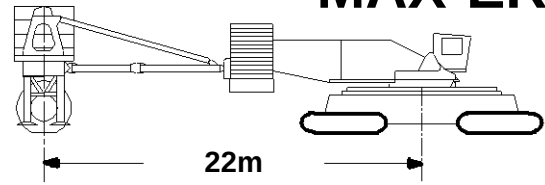
90 720 kg Carbody Counterweight

190 510 kg Wheeled Counterweight

at 22m 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	319 000*b										26.0
28.0	60.1	107.8	295 100*b										28.0
30.0	56.3	106.5	274 300*b										30.0
32.0	52.4	105.0	256 000*b	64.3	108.2	240 600*b							32.0
34.0	48.2	103.2	239 800*	60.7	107.1	225 400*b							34.0
36.0	43.7	101.2	225 200*	57.0	105.8	211 800*b							36.0
38.0	38.8	98.8	212 100*	53.1	104.4	199 500*b							38.0
40.0	33.3	95.8	200 200*	49.0	102.7	188 400*	61.2	105.8	176 300*b				40.0
42.0	26.7	92.1	189 300*	44.6	100.7	178 300*	57.5	104.6	166 900*b				42.0
44.0	17.8	86.8	179 000*	39.8	98.3	169 100*	53.7	103.1	158 300*b				44.0
46.0				34.4	95.5	160 500*	49.6	101.4	150 400*				46.0
48.0				28.0	92.0	152 600*	45.2	99.5	143 100*	57.8	102.7	133 300*b	48.0
50.0				19.8	87.1	145 100*	40.4	97.2	136 300*	53.9	101.2	127 000*b	50.0
52.0							35.1	94.5	130 000*	49.8	99.6	121 200*	52.0
54.0							29.0	91.1	124 000*	45.5	97.6	115 700*	54.0
56.0							21.1	86.5	118 300*	40.7	95.4	110 600*	56.0
58.0										35.5	92.7	105 800*	58.0
60.0										29.4	89.3	101 200*	60.0
62.0										21.6	84.8	96 800*	62.0
64.0										7.8	76.2	92 100*	64.0

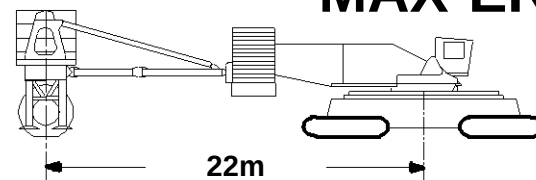
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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 22m 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	304 900*b										26.0
28.0	64.7	114.8	292 900*b										28.0
30.0	61.7	113.7	273 300*b										30.0
32.0	58.5	112.5	254 800*b	68.2	115.0	238 700*b							32.0
34.0	55.3	111.1	238 700*	65.3	114.1	223 600*b							34.0
36.0	51.9	109.6	224 200*	62.3	113.0	210 100*b							36.0
38.0	48.3	107.8	211 300*	59.1	111.8	197 900*b							38.0
40.0	44.5	105.8	199 300*	55.9	110.5	187 000*							40.0
42.0	40.4	103.5	186 600*	52.5	109.0	177 000*	62.7	111.7	165 000*b				42.0
44.0	36.0	100.9	174 800*	49.0	107.3	167 900*	59.6	110.5	156 500*b				44.0
46.0	30.9	97.7	164 300*	45.2	105.3	159 500*	56.3	109.2	148 600*				46.0
48.0	24.9	93.7	155 300*	41.2	103.1	151 800*	53.0	107.7	141 500*				48.0
50.0	16.8	88.0	148 300*	36.8	100.5	144 600*	49.5	106.0	134 800*				50.0
52.0				31.9	97.4	137 900*	45.8	104.1	128 600*	56.5	107.3	119 200*	52.0
54.0				26.1	93.6	131 600*	41.8	101.9	122 900*	53.2	105.8	113 900*	54.0
56.0				18.6	88.4	125 600*	37.4	99.4	117 500*	49.7	104.2	108 900*	56.0
58.0							32.6	96.4	112 400*	46.0	102.3	104 200*	58.0
60.0							27.0	92.7	107 600*	42.0	100.1	99 800*	60.0
62.0							19.8	87.8	102 900*	37.7	97.6	95 700*	62.0
64.0							6.8	78.3	98 000*	32.9	94.6	91 700*	64.0
66.0										27.3	91.0	87 900*	66.0
68.0										20.3	86.1	84 300*	68.0
70.0										8.2	77.4	80 400*	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).

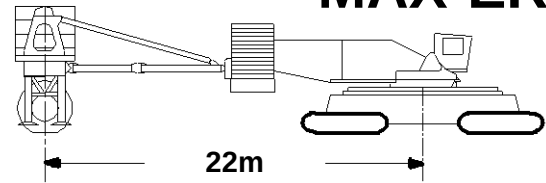
Liftcrane Luffing Jib Capacities

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 22m 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	288 200*b										26.0
28.0	68.1	121.5	275 700*b										28.0
30.0	65.5	120.6	262 300*b										30.0
32.0	62.9	119.6	248 300*b										32.0
34.0	60.2	118.4	234 300*	68.6	120.7	222 300*b							34.0
36.0	57.4	117.2	220 400*	66.0	119.9	208 800*b							36.0
38.0	54.5	115.7	207 000*	63.4	118.9	196 700*b							38.0
40.0	51.5	114.2	194 200*	60.7	117.7	185 800*							40.0
42.0	48.4	112.4	182 100*	57.9	116.5	175 800*							42.0
44.0	45.1	110.5	170 800*	55.1	115.1	166 800*							44.0
46.0	41.6	108.2	160 300*	52.1	113.6	158 500*	61.1	116.4	147 300*				46.0
48.0	37.8	105.7	150 700*	49.0	111.9	150 900*	58.3	115.2	140 100*				48.0
50.0	33.7	102.8	142 000*	45.7	109.9	143 800*	55.4	113.9	133 600*				50.0
52.0	29.0	99.4	134 300*	42.3	107.8	137 300*	52.5	112.3	127 500*				52.0
54.0	23.5	95.1	127 600*	38.6	105.3	131 200*	49.4	110.6	121 800*	58.5	113.3	112 400*	54.0
56.0	16.1	89.2	122 500*	34.5	102.5	125 400*	46.2	108.8	116 500*	55.6	111.9	107 500*	56.0
58.0				29.9	99.2	120 100*	42.8	106.6	111 500*	52.7	110.4	102 900*	58.0
60.0				24.6	95.1	115 000*	39.1	104.2	106 900*	49.6	108.8	98 600*	60.0
62.0				17.7	89.6	110 000*	35.1	101.5	102 500*	46.4	106.9	94 500*	62.0
64.0				2.6	76.9	104 800*	30.6	98.2	98 300*	43.0	104.8	90 700*	64.0
66.0							25.4	94.3	94 300*	39.3	102.4	87 100*	66.0
68.0							18.8	89.0	90 400*	35.3	99.6	83 700*	68.0
70.0							7.4	79.5	86 400*	30.9	96.4	80 400*	70.0
72.0										25.7	92.5	77 200*	72.0
74.0										19.2	87.4	74 100*	74.0
76.0										8.6	78.5	70 800*	76.0

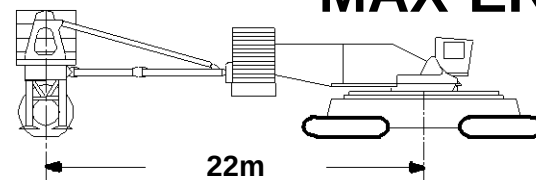
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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 22m 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	233 300* ^b										32.0
34.0	63.8	125.4	222 000*										34.0
36.0	61.4	124.3	210 600*	68.8	126.5	206 800* ^b							36.0
38.0	59.0	123.1	199 100*	66.6	125.6	194 700* ^b							38.0
40.0	56.5	121.8	188 000*	64.2	124.7	183 900*							40.0
42.0	53.9	120.4	177 200*	61.9	123.6	174 000*							42.0
44.0	51.2	118.8	166 900*	59.4	122.4	165 000*							44.0
46.0	48.5	117.0	157 100*	57.0	121.2	156 800*	64.5	123.4	145 200*				46.0
48.0	45.6	115.1	148 000*	54.4	119.7	149 200*	62.2	122.3	138 000*				48.0
50.0	42.5	112.9	139 400*	51.8	118.2	142 200*	59.8	121.2	131 500*				50.0
52.0	39.2	110.5	131 500*	49.0	116.5	135 700*	57.3	119.9	125 500*				52.0
54.0	35.7	107.8	124 300*	46.1	114.6	129 700*	54.7	118.5	119 900*				54.0
56.0	31.9	104.7	117 700*	43.1	112.5	124 100*	52.1	116.9	114 700*				56.0
58.0	27.5	101.0	111 800*	39.9	110.1	118 800*	49.4	115.2	109 800*	57.4	118.0	100 800*	58.0
60.0	22.3	96.5	106 800*	36.4	107.5	113 800*	46.5	113.4	105 200*	54.9	116.6	96 500*	60.0
62.0	15.5	90.3	102 900*	32.6	104.4	109 200*	43.5	111.3	100 900*	52.3	115.0	92 600*	62.0
64.0				28.4	100.9	104 800*	40.3	109.0	96 800*	49.5	113.4	88 800*	64.0
66.0				23.4	96.6	100 500*	36.9	106.4	93 000*	46.7	111.5	85 300*	66.0
68.0				17.0	90.8	96 400*	33.1	103.4	89 300*	43.7	109.4	81 900*	68.0
70.0				4.7	79.2	92 000*	29.0	99.9	85 900*	40.5	107.1	78 700*	70.0
72.0							24.1	95.7	82 500*	37.1	104.5	75 700*	72.0
74.0							18.0	90.2	79 200*	33.4	101.6	72 800*	74.0
76.0							7.8	80.7	75 800*	29.2	98.2	70 000*	76.0
80.0										18.4	88.6	64 600*	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

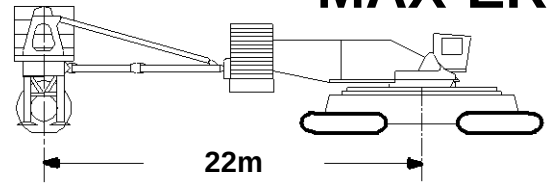
90 720 kg Carbody Counterweight

190 510 kg Wheeled Counterweight

at 22m 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

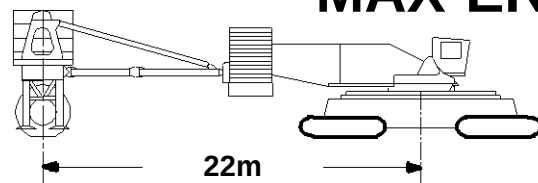
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity 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	180 500*	67.0	131.4	182 400*							40.0
42.0	58.0	127.8	171 200*	64.9	130.5	172 600*							42.0
44.0	55.8	126.4	162 100*	62.8	129.5	163 600*							44.0
46.0	53.4	125.0	153 400*	60.7	128.4	155 400*							46.0
48.0	51.0	123.4	145 000*	58.4	127.1	147 800*							48.0
50.0	48.5	121.6	137 000*	56.2	125.8	140 900*	63.1	128.2	130 000*				50.0
52.0	45.9	119.7	129 500*	53.9	124.4	134 500*	60.9	127.1	124 000*				52.0
54.0	43.2	117.6	122 400*	51.5	122.8	128 500*	58.7	125.9	118 400*				54.0
56.0	40.3	115.3	115 900*	49.0	121.1	122 900*	56.5	124.5	113 200*				56.0
58.0	37.3	112.7	109 800*	46.4	119.2	117 700*	54.2	123.1	108 400*				58.0
60.0	33.9	109.8	104 200*	43.7	117.1	112 800*	51.8	121.5	103 800*	58.9	123.9	95 000*	60.0
62.0	30.3	106.5	99 200*	40.9	114.8	108 200*	49.3	119.8	99 600*	56.6	122.6	91 000*	62.0
64.0	26.2	102.6	94 600*	37.8	112.3	103 900*	46.8	118.0	95 600*	54.3	121.2	87 300*	64.0
66.0	21.4	97.9	90 700*	34.6	109.5	99 800*	44.1	115.9	91 800*	51.9	119.6	83 800*	66.0
68.0	15.0	91.5	87 700*	31.0	106.3	95 900*	41.3	113.7	88 200*	49.5	118.0	80 500*	68.0
70.0				27.0	102.5	92 200*	38.3	111.2	84 800*	46.9	116.1	77 400*	70.0
72.0				22.4	98.0	88 700*	35.0	108.4	81 600*	44.2	114.1	74 300*	72.0
74.0				16.4	92.0	85 200*	31.5	105.3	78 500*	41.4	111.8	71 500*	74.0
76.0				5.7	80.7	81 400*	27.6	101.6	75 500*	38.4	109.4	68 800*	76.0
80.0							17.3	91.5	69 900*	31.7	103.5	63 800*	80.0
84.0										23.3	95.5	59 000*	84.0
88.0										8.9	80.7	54 100*	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 22m 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	180 400*							40.0
42.0	61.3	134.9	163 700*	67.3	137.2	170 500*							42.0
44.0	59.3	133.7	155 900*	65.5	136.3	161 600*							44.0
46.0	57.2	132.5	148 300*	63.6	135.3	153 400*							46.0
48.0	55.2	131.1	140 900*	61.6	134.2	146 000*							48.0
50.0	53.0	129.6	133 800*	59.6	133.1	139 000*							50.0
52.0	50.8	128.0	126 800*	57.6	131.8	132 600*	63.8	134.0	121 900*				52.0
54.0	48.6	126.2	120 300*	55.6	130.4	126 700*	61.9	132.9	116 300*				54.0
56.0	46.2	124.3	114 100*	53.4	129.0	121 100*	59.9	131.8	111 200*				56.0
58.0	43.8	122.3	108 200*	51.3	127.4	116 000*	57.9	130.5	106 400*				58.0
60.0	41.2	120.0	102 800*	49.0	125.7	111 100*	55.8	129.2	101 900*				60.0
62.0	38.5	117.5	97 600*	46.7	123.8	106 600*	53.7	127.7	97 600*				62.0
64.0	35.6	114.8	92 900*	44.2	121.8	102 300*	51.5	126.1	93 700*	58.0	128.6	85 100*	64.0
66.0	32.4	111.7	88 600*	41.7	119.5	98 300*	49.3	124.4	89 900*	56.0	127.3	81 700*	66.0
68.0	29.0	108.2	84 600*	39.0	117.1	94 500*	47.0	122.6	86 400*	53.9	125.8	78 400*	68.0
70.0	25.1	104.2	81 100*	36.1	114.4	90 800*	44.6	120.6	83 000*	51.7	124.2	75 300*	70.0
72.0	20.6	99.2	78 000*	33.0	111.4	87 400*	42.0	118.4	79 900*	49.4	122.6	72 400*	72.0
74.0	14.6	92.6	75 700*	29.7	108.0	84 100*	39.4	116.0	76 900*	47.1	120.7	69 600*	74.0
76.0				25.9	104.1	81 000*	36.5	113.4	74 000*	44.7	118.7	66 900*	76.0
80.0				15.9	93.1	75 000*	30.1	107.1	68 600*	39.5	114.2	62 000*	80.0
84.0							22.1	98.6	63 600*	33.7	108.6	57 400*	84.0
88.0							8.3	83.0	58 600*	26.7	101.5	53 200*	88.0
92.0										17.1	91.1	49 100*	92.0

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

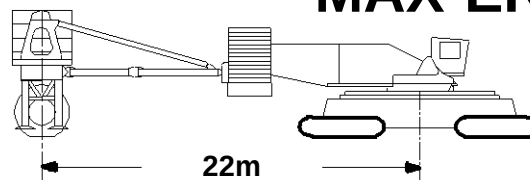
Liftcrane Luffing Jib Capacities

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 22m 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

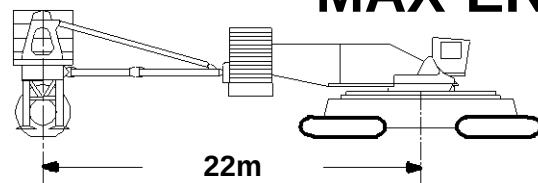
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity 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	159 900*							44.0
46.0	60.3	139.7	142 900*	65.9	142.1	151 800*							46.0
48.0	58.5	138.4	136 400*	64.2	141.1	144 300*							48.0
50.0	56.6	137.1	130 200*	62.4	140.1	137 400*							50.0
52.0	54.7	135.7	124 200*	60.6	139.0	131 000*							52.0
54.0	52.7	134.2	118 300*	58.8	137.8	125 100*	64.4	139.8	114 500*				54.0
56.0	50.7	132.6	112 600*	56.9	136.5	119 600*	62.7	138.8	109 400*				56.0
58.0	48.6	130.8	107 200*	55.0	135.1	114 400*	60.9	137.7	104 600*				58.0
60.0	46.5	128.9	102 000*	53.1	133.6	109 600*	59.0	136.5	100 100*				60.0
62.0	44.2	126.9	97 100*	51.1	132.0	105 100*	57.2	135.2	96 000*				62.0
64.0	41.9	124.7	92 500*	49.0	130.3	100 800*	55.3	133.8	92 000*				64.0
66.0	39.4	122.3	88 200*	46.9	128.4	96 800*	53.3	132.3	88 300*	59.2	134.6	79 900*	66.0
68.0	36.9	119.7	84 200*	44.6	126.4	93 000*	51.3	130.7	84 800*	57.3	133.3	76 600*	68.0
70.0	34.1	116.8	80 400*	42.3	124.2	89 400*	49.3	129.0	81 400*	55.4	131.9	73 500*	70.0
72.0	31.1	113.6	77 000*	39.9	121.9	86 100*	47.1	127.2	78 300*	53.5	130.4	70 600*	72.0
74.0	27.9	109.9	73 900*	37.4	119.3	82 800*	44.9	125.2	75 300*	51.5	128.9	67 900*	74.0
76.0	24.2	105.7	71 100*	34.6	116.5	79 800*	42.6	123.1	72 500*	49.4	127.2	65 300*	76.0
80.0	14.3	93.7	66 900*	28.5	109.7	74 000*	37.7	118.2	67 200*	45.1	123.3	60 400*	80.0
84.0				20.8	100.7	68 700*	32.1	112.3	62 300*	40.4	118.9	55 900*	84.0
88.0				6.8	83.3	63 300*	25.4	104.8	57 800*	35.2	113.6	51 700*	88.0
92.0							16.3	93.8	53 500*	29.2	107.0	47 900*	92.0
96.0										21.6	98.3	44 200*	96.0
100.0										9.2	82.9	40 500*	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 22m 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, 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	149 800*							46.0
48.0	61.1	145.5	130 500*	66.3	147.9	142 300*							48.0
50.0	59.5	144.4	125 200*	64.7	146.9	135 400*							50.0
52.0	57.8	143.1	119 900*	63.1	145.9	129 100*							52.0
54.0	56.0	141.8	114 700*	61.5	144.8	123 200*							54.0
56.0	54.2	140.3	109 600*	59.8	143.7	117 700*							56.0
58.0	52.4	138.8	104 800*	58.1	142.4	112 600*	63.3	144.6	102 500*				58.0
60.0	50.6	137.2	100 100*	56.3	141.1	107 800*	61.7	143.5	98 100*				60.0
62.0	48.6	135.4	95 500*	54.6	139.7	103 300*	60.0	142.4	93 900*				62.0
64.0	46.7	133.6	91 200*	52.8	138.2	99 100*	58.3	141.2	90 000*				64.0
66.0	44.6	131.5	87 000*	50.9	136.6	95 100*	56.6	139.8	86 300*				66.0
68.0	42.5	129.4	83 100*	49.0	134.9	91 300*	54.8	138.4	82 800*				68.0
70.0	40.3	127.1	79 500*	47.0	133.0	87 800*	53.0	136.9	79 500*	58.4	139.2	71 400*	70.0
72.0	37.9	124.5	76 000*	45.0	131.0	84 400*	51.2	135.3	76 400*	56.7	137.9	68 500*	72.0
74.0	35.5	121.8	72 800*	42.9	128.9	81 300*	49.3	133.6	73 500*	54.9	136.5	65 800*	74.0
76.0	32.8	118.7	69 800*	40.7	126.6	78 200*	47.3	131.8	70 700*	53.1	135.0	63 200*	76.0
80.0	26.9	111.6	64 500*	35.9	121.4	72 500*	43.2	127.7	65 500*	49.4	131.8	58 400*	80.0
84.0	19.3	101.8	60 300*	30.5	115.1	67 400*	38.7	123.0	60 700*	45.4	128.0	54 000*	84.0
88.0				24.1	107.1	62 600*	33.7	117.4	56 300*	41.1	123.6	49 900*	88.0
92.0				15.1	95.4	58 000*	27.9	110.5	52 200*	36.4	118.5	46 200*	92.0
96.0							20.7	101.3	48 400*	31.1	112.3	42 600*	96.0
100.0							8.7	85.2	44 400*	24.8	104.6	39 400*	100.0
104.0										16.2	93.4	36 200*	104.0

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

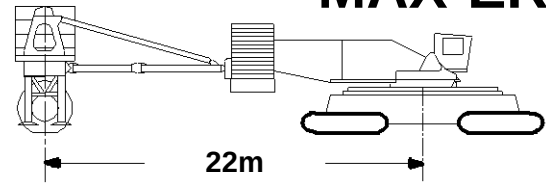
90 720 kg Carbody Counterweight

190 510 kg Wheeled Counterweight

at 22m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



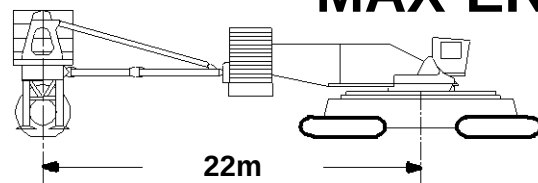
73.2m (240 Ft.) Boom, 85.3m (280 Ft.) Luffing Jib

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	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	141 500*							46.0
48.0	63.4	152.5	123 400*	68.1	154.5	139 800*							48.0
50.0	61.9	151.4	119 100*	66.6	153.7	134 000*							50.0
52.0	60.3	150.3	114 700*	65.2	152.7	127 500*							52.0
54.0	58.8	149.1	110 300*	63.7	151.8	121 700*							54.0
56.0	57.2	147.8	105 900*	62.2	150.7	116 200*							56.0
58.0	55.5	146.4	101 600*	60.6	149.6	111 000*							58.0
60.0	53.9	145.0	97 400*	59.0	148.4	106 300*	63.9	150.4	96 400*				60.0
62.0	52.2	143.4	93 300*	57.5	147.1	101 800*	62.4	149.4	92 300*				62.0
64.0	50.4	141.8	89 300*	55.8	145.8	97 600*	60.8	148.3	88 400*				64.0
66.0	48.7	140.0	85 500*	54.2	144.3	93 700*	59.3	147.1	84 700*				66.0
68.0	46.8	138.2	81 900*	52.5	142.8	89 900*	57.7	145.8	81 300*				68.0
70.0	44.9	136.2	78 400*	50.8	141.2	86 400*	56.1	144.5	78 000*				70.0
72.0	43.0	134.1	75 000*	49.0	139.5	83 000*	54.4	143.1	74 900*	59.4	145.2	66 800*	72.0
74.0	40.9	131.8	71 900*	47.2	137.6	79 900*	52.7	141.6	71 900*	57.8	143.9	64 100*	74.0
76.0	38.8	129.3	68 900*	45.3	135.7	76 900*	51.0	140.0	69 200*	56.2	142.6	61 600*	76.0
80.0	34.2	123.8	63 500*	41.3	131.3	71 300*	47.4	136.4	64 000*	52.8	139.7	56 800*	80.0
84.0	29.0	117.1	58 800*	37.0	126.3	66 200*	43.6	132.4	59 300*	49.3	136.3	52 400*	84.0
88.0	22.7	108.6	54 900*	32.2	120.3	61 500*	39.5	127.8	55 000*	45.7	132.6	48 400*	88.0
92.0	13.8	95.9	52 200*	26.6	113.0	57 100*	35.0	122.4	51 000*	41.7	128.3	44 700*	92.0
96.0				19.6	103.3	53 100*	29.9	115.9	47 200*	37.4	123.4	41 300*	96.0
100.0							23.8	107.8	43 700*	32.7	117.5	38 100*	100.0
104.0							15.5	96.2	40 300*	27.2	110.4	35 100*	104.0
108.0										20.3	101.0	32 300*	108.0
112.0										9.3	85.1	29 300*	112.0

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 22m 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, 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	124 800*				50.0
52.0	62.5	157.3	108 500*	66.9	159.4	124 400*				52.0
54.0	61.1	156.1	104 900*	65.6	158.5	119 900*				54.0
56.0	59.6	155.0	101 200*	64.2	157.6	114 300*				56.0
58.0	58.1	153.7	97 500*	62.8	156.5	109 200*				58.0
60.0	56.6	152.4	93 900*	61.3	155.5	104 400*				60.0
62.0	55.1	151.0	90 300*	59.9	154.3	100 000*				62.0
64.0	53.6	149.6	86 800*	58.4	153.1	95 800*	62.9	155.2	86 300*	64.0
66.0	52.0	148.0	83 300*	56.9	151.8	91 800*	61.5	154.2	82 700*	66.0
68.0	50.3	146.4	80 000*	55.4	150.4	88 100*	60.1	153.0	79 200*	68.0
70.0	48.7	144.6	76 700*	53.8	149.0	84 600*	58.6	151.8	76 000*	70.0
72.0	47.0	142.8	72 900*	52.3	147.4	81 300*	57.1	150.5	72 900*	72.0
74.0	45.2	140.8	69 100*	50.6	145.8	78 100*	55.6	149.1	70 000*	74.0
76.0	43.4	138.7	65 500*	49.0	144.1	75 100*	54.1	147.7	67 200*	76.0
80.0	39.6	134.1	58 600*	45.5	140.3	69 600*	50.9	144.6	62 100*	80.0
84.0	35.4	128.7	52 200*	41.9	136.0	63 600*	47.5	141.0	57 400*	84.0
88.0	30.7	122.4	46 300*	37.9	131.1	56 800*	44.0	137.0	53 200*	88.0
92.0	25.3	114.7	41 000*	33.6	125.4	50 500*	40.2	132.5	49 200*	92.0
96.0	18.3	104.4	36 300*	28.6	118.6	44 800*	36.1	127.3	45 600*	96.0
100.0				22.7	110.0	39 600*	31.5	121.2	42 200*	100.0
104.0				14.5	97.7	35 100*	26.2	113.7	38 900*	104.0
108.0							19.6	103.9	35 900*	108.0
112.0							8.9	87.4	32 800*	112.0

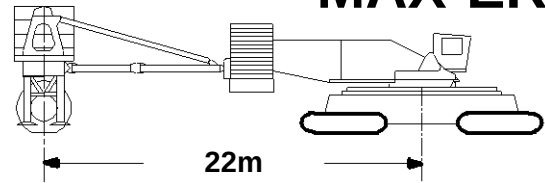
Liftcrane Luffing Jib Capacities

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 22m 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	299 400*b										26.0
28.0	61.0	114.2	287 400*b										28.0
30.0	57.3	112.9	270 200*b										30.0
32.0	53.4	111.5	252 100*b			c							32.0
34.0	49.3	109.8	235 200*b	62.7	113.7	222 100*b							34.0
36.0	44.9	107.8	219 300*	59.0	112.6	208 600*b							36.0
38.0	40.2	105.5	204 800*	55.2	111.2	196 500*b							38.0
40.0	34.8	102.7	191 600*	51.2	109.6	185 600*b	64.1	112.6	172 000*b				40.0
42.0	28.6	99.3	180 400*	47.0	107.8	175 600*	60.5	111.5	162 700*b				42.0
44.0	20.6	94.6	171 200*	42.4	105.6	166 500*	56.7	110.2	154 400*b				44.0
46.0				37.3	103.1	158 200*	52.8	108.7	146 600*b				46.0
48.0				31.5	100.0	150 400*	48.7	106.9	139 500*b				48.0
50.0				24.5	96.0	143 000*	44.2	104.9	132 900*				50.0
52.0							39.4	102.6	126 800*	54.1	107.0	116 700*b	52.0
54.0							33.9	99.7	121 000*	50.0	105.4	111 500*b	54.0
56.0							27.5	96.1	115 500*	45.7	103.4	106 600*	56.0
58.0							19.0	91.1	110 300*	40.9	101.2	101 900*	58.0
60.0										35.7	98.5	97 600*	60.0
62.0										29.6	95.2	93 400*	62.0
64.0										22.0	90.8	89 300*	64.0

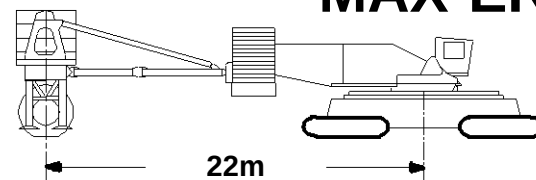
Capacities indicated by (b) require
 16 780 kg minimum weight suspended
 beneath luffing jib point.

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 22m 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, 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	270 500*b										28.0
30.0	62.5	120.1	255 500*b										30.0
32.0	59.4	118.9	240 400*b										32.0
34.0	56.2	117.6	225 600*b	66.9	120.6	220 200*c							34.0
36.0	52.8	116.1	211 400*	63.9	119.6	206 800*b							36.0
38.0	49.3	114.4	197 800*	60.8	118.5	194 800*b							38.0
40.0	45.6	112.4	185 200*	57.6	117.2	184 000*b							40.0
42.0	41.6	110.2	173 500*	54.3	115.8	174 200*							42.0
44.0	37.2	107.7	162 800*	50.9	114.2	165 200*	62.0	117.4	152 400*b				44.0
46.0	32.3	104.6	153 300*	47.3	112.4	157 000*	58.9	116.2	144 800*b				46.0
48.0	26.6	100.9	145 000*	43.4	110.3	149 400*	55.6	114.8	137 700*b				48.0
50.0	19.3	95.9	138 300*	39.2	107.9	142 300*	52.3	113.3	131 300*				50.0
52.0				34.6	105.1	135 800*	48.7	111.5	125 200*				52.0
54.0				29.3	101.7	129 600*	45.0	109.6	119 600*	56.7	113.1	109 500*b	54.0
56.0				22.9	97.4	123 800*	40.9	107.3	114 400*	53.3	111.6	104 700*	56.0
58.0							36.5	104.7	109 400*	49.8	110.0	100 200*	58.0
60.0							31.5	101.6	104 800*	46.2	108.1	95 900*	60.0
62.0							25.6	97.7	100 300*	42.2	105.9	91 900*	62.0
64.0							17.9	92.3	96 000*	37.9	103.4	88 100*	64.0
66.0										33.1	100.5	84 500*	66.0
68.0										27.6	96.9	81 100*	68.0
70.0										20.6	92.1	77 700*	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).

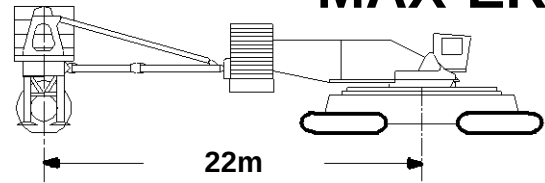
Liftcrane Luffing Jib Capacities

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 22m 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	205 500* ^b							36.0
38.0	55.3	122.2	191 500*	64.8	125.4	193 500* ^b							38.0
40.0	52.3	120.7	180 000*	62.1	124.4	182 700* ^b							40.0
42.0	49.2	119.0	169 100*	59.4	123.2	173 000*							42.0
44.0	46.0	117.1	158 900*	56.6	121.9	164 100*							44.0
46.0	42.6	114.9	149 300*	53.7	120.4	155 900*	63.2	123.2	143 300* ^b				46.0
48.0	38.9	112.5	140 600*	50.7	118.8	148 400*	60.5	122.1	136 300* ^b				48.0
50.0	34.8	109.7	132 700*	47.5	117.0	141 400*	57.7	120.8	129 900*				50.0
52.0	30.3	106.4	125 500*	44.1	115.0	135 000*	54.8	119.4	124 000*				52.0
54.0	25.1	102.4	119 400*	40.6	112.7	129 000*	51.9	117.9	118 400*				54.0
56.0	18.4	97.1	114 400*	36.7	110.1	123 400*	48.8	116.1	113 300*				56.0
58.0				32.4	107.0	118 100*	45.5	114.2	108 400*	55.7	117.7	98 700*	58.0
60.0				27.6	103.4	113 100*	42.0	112.0	103 900*	52.8	116.2	94 600*	60.0
62.0				21.6	98.8	108 300*	38.3	109.6	99 600*	49.7	114.6	90 700*	62.0
64.0				13.2	91.9	103 600*	34.2	106.7	95 600*	46.5	112.7	87 000*	64.0
66.0							29.6	103.3	91 700*	43.1	110.6	83 500*	66.0
68.0							24.1	99.2	88 000*	39.5	108.2	80 200*	68.0
70.0							17.1	93.5	84 400*	35.5	105.5	77 000*	70.0
72.0										31.1	102.3	74 000*	72.0
74.0										26.0	98.4	71 100*	74.0
76.0										19.6	93.4	68 200*	76.0

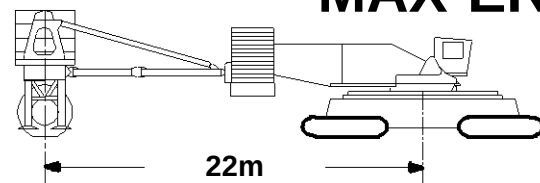
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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 22m 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	191 500*b							38.0
40.0	57.2	128.2	173 600*	65.5	131.2	180 800*b							40.0
42.0	54.6	126.8	164 000*	63.1	130.2	171 000*							42.0
44.0	52.0	125.3	154 600*	60.7	129.1	162 200*							44.0
46.0	49.2	123.6	145 800*	58.3	127.9	154 100*							46.0
48.0	46.4	121.7	137 400*	55.8	126.5	146 600*	64.1	129.0	134 200*				48.0
50.0	43.3	119.6	129 600*	53.2	125.0	139 800*	61.7	128.0	127 800*				50.0
52.0	40.1	117.3	122 500*	50.5	123.4	133 400*	59.3	126.8	121 900*				52.0
54.0	36.7	114.7	115 800*	47.7	121.6	127 400*	56.8	125.5	116 400*				54.0
56.0	32.9	111.7	109 800*	44.7	119.6	121 900*	54.2	124.1	111 400*				56.0
58.0	28.7	108.2	104 400*	41.6	117.4	116 700*	51.5	122.5	106 600*				58.0
60.0	23.8	103.9	99 700*	38.3	114.9	111 900*	48.8	120.7	102 100*	57.6	123.8	92 400*	60.0
62.0	17.6	98.3	95 900*	34.7	112.1	107 300*	45.9	118.8	97 900*	55.0	122.4	88 600*	62.0
64.0	6.7	88.1	94 100*	30.7	108.8	102 900*	42.8	116.7	93 900*	52.4	120.8	85 000*	64.0
66.0				26.1	105.0	98 800*	39.6	114.3	90 200*	49.7	119.2	81 500*	66.0
68.0				20.6	100.1	94 800*	36.1	111.7	86 700*	46.8	117.3	78 300*	68.0
70.0				12.9	93.0	90 900*	32.3	108.6	83 300*	43.8	115.2	75 200*	70.0
72.0							28.0	105.0	80 000*	40.6	113.0	72 300*	72.0
74.0							23.0	100.6	76 900*	37.2	110.4	69 500*	74.0
76.0							16.4	94.7	73 800*	33.5	107.5	66 900*	76.0
80.0										24.6	99.9	61 800*	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

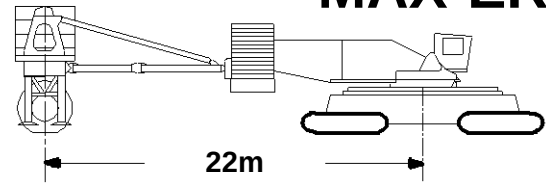
90 720 kg Carbody Counterweight

190 510 kg Wheeled Counterweight

at 22m 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	179 200*							40.0
42.0	58.6	134.2	158 100*	66.0	137.0	169 500*							42.0
44.0	56.4	132.9	149 900*	63.9	136.0	160 700*							44.0
46.0	54.1	131.4	142 000*	61.8	135.0	152 600*							46.0
48.0	51.7	129.9	134 300*	59.6	133.8	145 200*							48.0
50.0	49.2	128.2	127 100*	57.4	132.5	138 400*							50.0
52.0	46.6	126.3	120 200*	55.1	131.1	132 100*	62.6	133.8	120 300*				52.0
54.0	43.9	124.3	113 800*	52.8	129.6	126 100*	60.5	132.7	114 900*				54.0
56.0	41.1	122.0	107 800*	50.3	128.0	120 700*	58.3	131.5	109 800*				56.0
58.0	38.1	119.5	102 200*	47.8	126.2	115 500*	56.0	130.1	105 100*				58.0
60.0	34.9	116.7	97 100*	45.2	124.2	110 800*	53.7	128.7	100 700*				60.0
62.0	31.3	113.5	92 400*	42.4	122.1	106 200*	51.3	127.1	96 500*				62.0
64.0	27.4	109.8	88 300*	39.5	119.7	102 000*	48.8	125.4	92 600*	56.7	128.4	83 300*	64.0
66.0	22.8	105.3	84 600*	36.3	117.0	98 000*	46.2	123.5	89 000*	54.4	127.0	80 000*	66.0
68.0	17.0	99.5	81 800*	33.0	114.0	94 100*	43.5	121.4	85 500*	52.0	125.4	76 800*	68.0
70.0	7.2	89.3	80 300*	29.2	110.6	90 500*	40.6	119.1	82 200*	49.6	123.8	73 800*	70.0
72.0				24.9	106.5	87 000*	37.6	116.5	79 000*	47.0	121.9	70 900*	72.0
74.0				19.8	101.4	83 700*	34.3	113.7	76 000*	44.4	119.9	68 200*	74.0
76.0				12.6	94.1	80 300*	30.7	110.4	73 200*	41.6	117.7	65 600*	76.0
80.0							22.0	102.0	67 700*	35.4	112.5	60 700*	80.0
84.0										28.0	105.7	56 200*	84.0
88.0										18.0	95.9	51 800*	88.0

Capacities indicated by (b) require

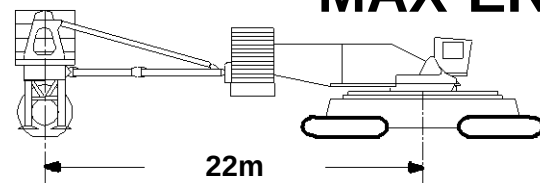
16 780 kg minimum weight suspended

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 22m 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	167 500*							42.0
44.0	59.8	140.1	144 100*	66.5	142.8	158 700*							44.0
46.0	57.8	138.9	137 000*	64.6	141.8	150 700*							46.0
48.0	55.7	137.5	130 300*	62.7	140.8	143 300*							48.0
50.0	53.6	136.1	123 800*	60.7	139.7	136 500*							50.0
52.0	51.4	134.5	117 500*	58.7	138.5	130 200*							52.0
54.0	49.2	132.8	111 500*	56.7	137.2	124 300*	63.4	139.7	112 800*				54.0
56.0	46.8	130.9	105 800*	54.6	135.8	118 900*	61.5	138.6	107 700*				56.0
58.0	44.4	128.9	100 500*	52.4	134.2	113 800*	59.5	137.4	103 000*				58.0
60.0	41.9	126.7	95 400*	50.2	132.6	109 000*	57.5	136.1	98 700*				60.0
62.0	39.2	124.3	90 700*	47.9	130.8	104 500*	55.4	134.8	94 500*				62.0
64.0	36.4	121.6	86 400*	45.5	128.9	100 300*	53.3	133.3	90 700*				64.0
66.0	33.3	118.7	82 400*	43.0	126.7	96 400*	51.1	131.7	87 000*	58.1	134.4	77 800*	66.0
68.0	30.0	115.3	78 700*	40.4	124.4	92 600*	48.8	130.0	83 600*	56.0	133.1	74 600*	68.0
70.0	26.2	111.4	75 500*	37.7	121.9	89 100*	46.5	128.1	80 300*	53.9	131.6	71 600*	70.0
72.0	21.9	106.7	72 600*	34.7	119.1	85 700*	44.0	126.0	77 200*	51.8	130.0	68 800*	72.0
74.0	16.4	100.7	70 400*	31.5	115.9	82 500*	41.5	123.8	74 300*	49.5	128.4	66 100*	74.0
76.0	7.6	90.5	69 300*	28.0	112.3	79 400*	38.8	121.4	71 500*	47.2	126.5	63 600*	76.0
80.0				19.1	102.7	73 500*	32.8	115.6	66 300*	42.3	122.4	58 800*	80.0
84.0							25.6	108.2	61 400*	36.8	117.4	54 500*	84.0
88.0							15.4	97.0	56 800*	30.5	111.2	50 400*	88.0
92.0										22.6	102.8	46 500*	92.0
96.0										9.6	88.1	42 600*	96.0

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

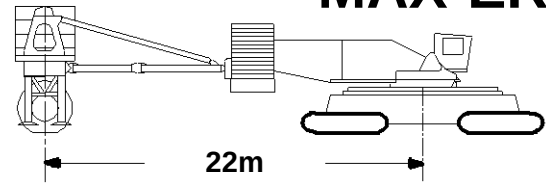
Liftcrane Luffing Jib Capacities

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 22m 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

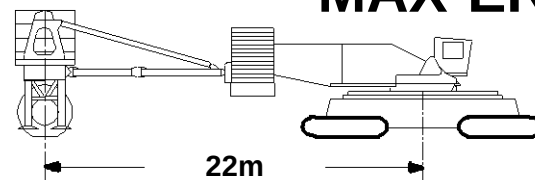
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity 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	157 000*							44.0
46.0	60.8	146.0	132 100*	66.8	148.6	149 000*							46.0
48.0	58.9	144.8	126 300*	65.1	147.7	141 600*							48.0
50.0	57.1	143.5	120 600*	63.4	146.7	134 800*							50.0
52.0	55.2	142.2	114 900*	61.6	145.6	128 500*							52.0
54.0	53.2	140.7	109 600*	59.8	144.4	122 700*							54.0
56.0	51.2	139.1	104 400*	57.9	143.2	117 300*							56.0
58.0	49.2	137.4	99 400*	56.0	141.8	112 200*	62.3	144.4	101 200*				58.0
60.0	47.0	135.5	94 700*	54.1	140.4	107 400*	60.5	143.3	96 900*				60.0
62.0	44.8	133.5	90 200*	52.1	138.8	103 000*	58.7	142.1	92 800*				62.0
64.0	42.5	131.4	85 900*	50.1	137.2	98 800*	56.8	140.8	89 000*				64.0
66.0	40.1	129.0	82 000*	48.0	135.4	94 900*	54.9	139.4	85 300*				66.0
68.0	37.6	126.5	78 200*	45.8	133.5	91 200*	52.9	137.9	81 900*				68.0
70.0	34.9	123.7	74 800*	43.6	131.4	87 600*	50.9	136.3	78 700*	57.4	139.1	69 800*	70.0
72.0	32.0	120.5	71 600*	41.2	129.1	84 300*	48.8	134.6	75 600*	55.5	137.7	67 000*	72.0
74.0	28.8	117.0	68 700*	38.7	126.7	81 100*	46.7	132.7	72 700*	53.5	136.2	64 400*	74.0
76.0	25.2	113.0	66 100*	36.1	124.0	78 100*	44.5	130.7	69 900*	51.5	134.6	61 800*	76.0
80.0	16.0	101.9	62 200*	30.2	117.7	72 500*	39.7	126.1	64 800*	47.4	131.1	57 200*	80.0
84.0				23.1	109.4	67 300*	34.4	120.7	60 100*	42.9	127.0	52 900*	84.0
88.0				12.2	96.2	62 200*	28.3	113.9	55 700*	38.0	122.2	48 900*	88.0
92.0							20.4	104.7	51 600*	32.4	116.4	45 200*	92.0
96.0							5.5	86.1	47 400*	25.8	108.9	41 700*	96.0
100.0										16.9	98.3	38 400*	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 22m 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	147 000*							46.0
48.0	61.6	151.9	120 500*	67.2	154.4	139 600*							48.0
50.0	59.9	150.8	115 600*	65.6	153.5	132 800*							50.0
52.0	58.2	149.5	110 800*	64.0	152.5	126 500*							52.0
54.0	56.5	148.2	106 000*	62.3	151.4	120 700*							54.0
56.0	54.7	146.8	101 300*	60.7	150.3	115 300*							56.0
58.0	52.9	145.3	96 800*	59.0	149.1	110 300*	64.6	151.3	99 100*				58.0
60.0	51.1	143.7	92 500*	57.3	147.8	105 600*	63.0	150.3	94 800*				60.0
62.0	49.1	142.0	88 300*	55.5	146.5	101 200*	61.3	149.2	90 700*				62.0
64.0	47.2	140.1	84 300*	53.7	145.0	97 000*	59.7	148.0	86 900*				64.0
66.0	45.2	138.2	80 500*	51.9	143.5	93 100*	57.9	146.8	83 300*				66.0
68.0	43.1	136.0	76 900*	50.0	141.8	89 400*	56.2	145.4	79 900*				68.0
70.0	40.9	133.8	73 500*	48.1	140.0	85 900*	54.4	144.0	76 700*				70.0
72.0	38.6	131.3	70 400*	46.1	138.1	82 600*	52.6	142.5	73 600*	58.5	145.0	64 900*	72.0
74.0	36.1	128.6	67 400*	44.0	136.0	79 500*	50.8	140.9	70 800*	56.8	143.7	62 200*	74.0
76.0	33.6	125.6	64 600*	41.9	133.8	76 500*	48.8	139.2	68 100*	55.0	142.3	59 700*	76.0
80.0	27.8	118.7	59 800*	37.2	128.9	70 900*	44.8	135.3	63 000*	51.3	139.3	55 100*	80.0
84.0	20.5	109.4	55 900*	32.1	122.9	65 900*	40.5	130.9	58 400*	47.5	135.7	50 900*	84.0
88.0	8.1	92.8	53 900*	25.9	115.5	61 200*	35.7	125.6	54 100*	43.4	131.7	47 000*	88.0
92.0				17.9	105.2	56 700*	30.3	119.3	50 100*	38.9	127.0	43 400*	92.0
96.0							23.8	111.2	46 500*	34.0	121.4	40 000*	96.0
100.0							14.7	99.3	42 800*	28.2	114.6	36 900*	100.0
104.0										21.1	105.6	33 900*	104.0
108.0										9.7	90.3	30 800*	108.0

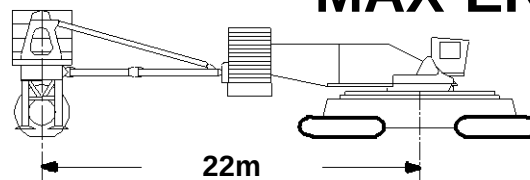
Liftcrane Luffing Jib Capacities

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 22m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



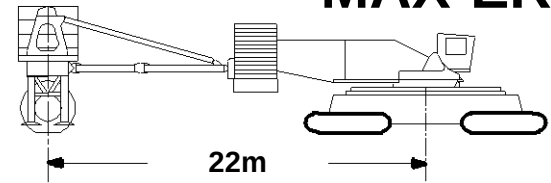
79.2m (260 Ft.) Boom, 85.3m (280 Ft.) Luffing Jib

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	
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	132 600*							48.0
50.0	62.3	157.8	110 000*	67.4	160.1	130 700*							50.0
52.0	60.7	156.6	105 900*	66.0	159.2	124 900*							52.0
54.0	59.2	155.5	101 800*	64.5	158.3	119 200*							54.0
56.0	57.6	154.2	97 800*	63.0	157.3	113 800*							56.0
58.0	56.0	152.8	93 800*	61.4	156.2	108 800*							58.0
60.0	54.3	151.4	89 900*	59.9	155.0	104 100*							60.0
62.0	52.6	149.9	86 100*	58.3	153.8	99 700*	63.6	156.1	89 000*				62.0
64.0	50.9	148.3	82 500*	56.7	152.5	95 500*	62.0	155.1	85 200*				64.0
66.0	49.1	146.6	79 000*	55.1	151.1	91 600*	60.5	153.9	81 600*				66.0
68.0	47.3	144.7	75 500*	53.4	149.6	88 000*	58.9	152.7	78 300*				68.0
70.0	45.4	142.8	72 400*	51.7	148.1	84 500*	57.3	151.4	75 100*				70.0
72.0	43.5	140.7	69 300*	49.9	146.4	81 200*	55.7	150.1	72 100*				72.0
74.0	41.5	138.5	66 400*	48.1	144.6	78 100*	54.1	148.7	69 200*				74.0
76.0	39.4	136.1	63 600*	46.3	142.7	75 100*	52.4	147.1	66 500*	57.8	149.7	58 000*	76.0
80.0	34.9	130.6	58 700*	42.4	138.5	69 600*	48.9	143.8	61 500*	54.6	147.0	53 500*	80.0
84.0	29.7	124.1	54 300*	38.2	133.7	64 600*	45.1	139.9	56 900*	51.2	143.9	49 300*	84.0
88.0	23.6	115.9	50 800*	33.5	128.0	60 000*	41.2	135.6	52 700*	47.6	140.3	45 400*	88.0
92.0	15.3	104.2	48 200*	28.2	121.1	55 800*	36.8	130.5	48 800*	43.8	136.3	41 900*	92.0
96.0				21.6	112.2	51 800*	32.0	124.5	45 200*	39.7	131.8	38 600*	96.0
100.0				11.9	98.4	47 900*	26.4	117.1	41 800*	35.2	126.4	35 500*	100.0
104.0							19.2	107.3	38 600*	30.2	120.0	32 700*	104.0
108.0							6.5	88.7	35 200*	24.1	112.0	29 900*	108.0
112.0										16.1	100.6	27 100*	112.0

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 22m 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

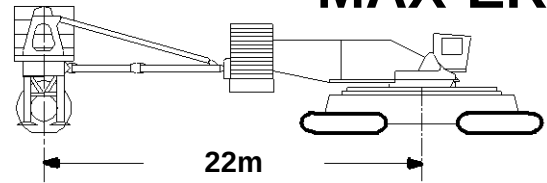
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
35.1	74.3	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	116 500*				50.0
52.0	62.9	163.6	100 300*	67.7	165.9	116 500*				52.0
54.0	61.4	162.5	96 900*	66.3	165.0	115 800*				54.0
56.0	60.0	161.4	93 400*	64.9	164.1	112 100*				56.0
58.0	58.5	160.2	90 000*	63.5	163.1	106 800*				58.0
60.0	57.0	158.9	86 600*	62.1	162.0	102 200*				60.0
62.0	55.5	157.5	83 300*	60.6	160.9	97 800*				62.0
64.0	54.0	156.0	80 000*	59.2	159.7	93 600*	64.1	161.9	83 100*	64.0
66.0	52.4	154.5	76 800*	57.7	158.5	89 800*	62.6	160.9	79 600*	66.0
68.0	50.8	152.9	73 700*	56.2	157.1	86 100*	61.2	159.8	76 200*	68.0
70.0	49.1	151.2	70 700*	54.7	155.7	82 700*	59.8	158.6	73 000*	70.0
72.0	47.4	149.3	67 900*	53.1	154.2	79 400*	58.3	157.4	70 100*	72.0
74.0	45.7	147.4	65 100*	51.5	152.7	76 300*	56.8	156.1	67 200*	74.0
76.0	43.9	145.4	62 500*	49.9	151.0	73 400*	55.3	154.7	64 500*	76.0
80.0	40.1	140.8	57 600*	46.5	147.3	67 900*	52.1	151.7	59 600*	80.0
84.0	36.0	135.6	53 000*	42.9	143.2	62 900*	48.9	148.4	55 000*	84.0
88.0	31.4	129.4	47 000*	39.0	138.5	58 300*	45.4	144.6	50 900*	88.0
92.0	26.0	121.9	41 700*	34.8	133.0	52 200*	41.7	140.3	47 000*	92.0
96.0	19.4	112.1	36 800*	30.0	126.5	46 300*	37.8	135.3	43 500*	96.0
100.0	8.4	95.1	33 000*	24.4	118.5	41 000*	33.4	129.6	40 200*	100.0
104.0				17.1	107.6	36 200*	28.4	122.8	37 100*	104.0
108.0							22.4	114.1	34 200*	108.0
112.0							14.1	101.5	31 300*	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 22m 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	233 800*b			c							32.0
34.0	50.5	116.3	218 900*b			c							34.0
36.0	46.1	114.4	204 800*	61.0	119.2	205 700*b							36.0
38.0	41.5	112.2	191 800*	57.2	117.9	193 700*b							38.0
40.0	36.3	109.6	180 000*	53.4	116.5	182 900*b							40.0
42.0	30.4	106.4	169 600*	49.2	114.8	173 100*			c				42.0
44.0	23.0	102.1	161 000*	44.9	112.8	164 200*	59.7	117.1	150 700*b				44.0
46.0				40.1	110.5	155 900*	55.9	115.8	143 100*b				46.0
48.0				34.7	107.7	148 300*	52.0	114.2	136 200*b				48.0
50.0				28.4	104.2	141 100*	47.8	112.4	129 800*				50.0
52.0				20.3	99.5	134 300*	43.2	110.4	123 700*	58.1	114.2	112 600*b	52.0
54.0							38.3	107.9	118 200*	54.2	112.8	107 500*b	54.0
56.0							32.7	104.9	112 900*	50.2	111.2	102 800*b	56.0
58.0							25.9	101.1	107 800*	45.8	109.3	98 300*	58.0
60.0							16.6	95.5	102 800*	41.2	107.0	94 100*	60.0
62.0										35.9	104.4	90 200*	62.0
64.0										29.9	101.1	86 300*	64.0
66.0										22.4	96.7	82 600*	66.0

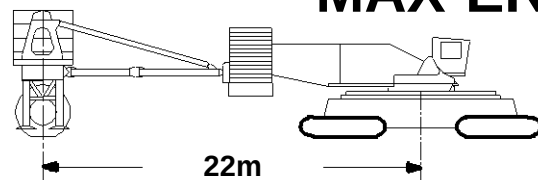
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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 22m 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			Jib Oper. Rad. m	80 Degree Boom Angle			Jib Oper. Rad. m	75 Degree Boom Angle			Jib Oper. Rad. m	70 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms		Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms		Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms		Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
22.9			c	22.9				22.9				22.9				22.9
24.0			c	24.0				24.0				24.0				24.0
26.0			c	26.0				26.0				26.0				26.0
28.0	66.3	127.4	248 200*b	28.0				28.0				28.0				28.0
30.0	63.3	126.4	235 300*b	30.0				30.0				30.0				30.0
32.0	60.2	125.3	222 200*b	32.0				32.0				32.0				32.0
34.0	57.0	124.0	209 300*b	34.0				34.0				34.0				34.0
36.0	53.7	122.6	196 700*	36.0	65.5	126.1	203 800*b	36.0				36.0				36.0
38.0	50.2	120.9	184 600*	38.0	62.4	125.1	191 900*b	38.0				38.0				38.0
40.0	46.6	119.1	173 300*	40.0	59.3	123.9	181 200*b	40.0				40.0				40.0
42.0	42.7	116.9	162 800*	42.0	56.1	122.6	171 600*	42.0				42.0				42.0
44.0	38.4	114.5	153 100*	44.0	52.7	121.1	162 700*	44.0				44.0				44.0
46.0	33.7	111.6	144 400*	46.0	49.2	119.4	154 600*	46.0	61.4	123.0	141 100*b	46.0				46.0
48.0	28.2	108.1	136 800*	48.0	45.5	117.4	147 100*	48.0	58.2	121.8	134 300*b	48.0				48.0
50.0	21.5	103.5	130 500*	50.0	41.5	115.2	140 200*	50.0	54.9	120.4	127 900*	50.0				50.0
52.0				52.0	37.1	112.7	133 700*	52.0	51.5	118.8	122 100*	52.0				52.0
54.0				54.0	32.2	109.6	127 700*	54.0	47.9	117.0	116 600*	54.0				54.0
56.0				56.0	26.5	105.8	121 900*	56.0	44.1	115.0	111 500*	56.0	56.8	118.9	100 800*b	56.0
58.0				58.0	19.1	100.8	116 500*	58.0	40.0	112.7	106 700*	58.0	53.5	117.4	96 400*	58.0
60.0				60.0				60.0	35.5	110.0	102 200*	60.0	50.0	115.8	92 300*	60.0
62.0				62.0				62.0	30.3	106.7	97 800*	62.0	46.3	113.9	88 500*	62.0
64.0				64.0				64.0	24.2	102.6	93 700*	64.0	42.4	111.7	84 800*	64.0
66.0				66.0				66.0	15.8	96.7	89 600*	66.0	38.1	109.3	81 300*	66.0
68.0				68.0				68.0				68.0	33.3	106.3	78 100*	68.0
70.0				70.0				70.0				70.0	27.8	102.8	74 900*	70.0
72.0				72.0				72.0				72.0	21.0	98.1	71 800*	72.0

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

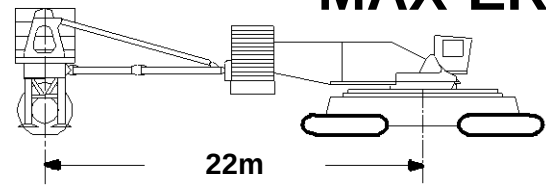
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

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 22m 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	202 400*b							36.0
38.0	56.1	128.7	178 100*	66.2	131.9	190 500*b							38.0
40.0	53.1	127.2	167 900*	63.5	130.9	179 900*b							40.0
42.0	50.1	125.5	158 100*	60.8	129.8	170 300*							42.0
44.0	46.9	123.7	148 900*	58.1	128.6	161 500*							44.0
46.0	43.5	121.6	140 300*	55.2	127.2	153 400*							46.0
48.0	39.9	119.3	132 300*	52.3	125.7	146 100*	62.6	128.9	132 800*b				48.0
50.0	36.0	116.6	125 100*	49.2	124.0	139 200*	59.9	127.7	126 500*				50.0
52.0	31.6	113.4	118 500*	45.9	122.1	132 800*	57.1	126.4	120 700*				52.0
54.0	26.6	109.7	112 800*	42.5	119.9	127 000*	54.2	125.0	115 300*				54.0
56.0	20.4	104.8	108 100*	38.8	117.5	121 400*	51.2	123.4	110 300*				56.0
58.0				34.8	114.7	116 200*	48.1	121.6	105 600*	58.7	124.9	94 800*	58.0
60.0				30.2	111.4	111 300*	44.8	119.7	101 100*	55.9	123.5	90 800*	60.0
62.0				24.9	107.4	106 700*	41.2	117.4	97 000*	52.9	122.0	87 100*	62.0
64.0				18.2	102.0	102 200*	37.4	114.9	93 000*	49.9	120.4	83 500*	64.0
66.0							33.3	111.9	89 300*	46.7	118.5	80 100*	66.0
68.0							28.5	108.4	85 700*	43.3	116.4	76 900*	68.0
70.0							22.8	104.0	82 300*	39.6	114.1	73 900*	70.0
72.0							15.1	97.8	78 800*	35.7	111.3	71 000*	72.0
74.0										31.3	108.2	68 200*	74.0
76.0										26.2	104.3	65 500*	76.0

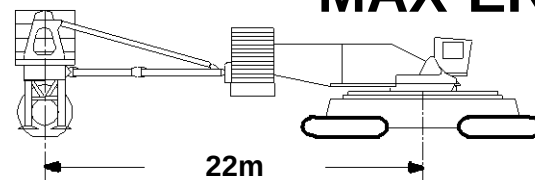
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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 22m 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	177 800*b							40.0
42.0	55.3	133.3	152 700*	64.4	136.8	168 300*							42.0
44.0	52.7	131.8	144 400*	62.0	135.7	159 600*							44.0
46.0	50.0	130.1	136 400*	59.6	134.5	151 600*							46.0
48.0	47.1	128.3	128 900*	57.1	133.2	144 200*							48.0
50.0	44.2	126.3	121 800*	54.6	131.8	137 400*	63.6	134.7	124 300*				50.0
52.0	41.0	124.0	115 200*	51.9	130.3	131 200*	61.2	133.6	118 600*				52.0
54.0	37.6	121.5	109 100*	49.2	128.6	125 300*	58.7	132.4	113 200*				54.0
56.0	34.0	118.6	103 600*	46.3	126.7	119 900*	56.2	131.1	108 200*				56.0
58.0	29.9	115.2	98 600*	43.3	124.6	114 800*	53.6	129.6	103 600*				58.0
60.0	25.2	111.2	94 200*	40.1	122.3	110 000*	51.0	128.0	99 300*				60.0
62.0	19.4	106.1	90 700*	36.6	119.6	105 500*	48.2	126.3	95 200*	57.7	129.5	84 900*	62.0
64.0	10.9	98.1	88 500*	32.8	116.6	101 200*	45.3	124.3	91 300*	55.1	128.2	81 300*	64.0
66.0				28.6	113.1	97 200*	42.2	122.1	87 700*	52.5	126.6	78 100*	66.0
68.0				23.7	108.8	93 300*	38.9	119.7	84 200*	49.8	125.0	74 900*	68.0
70.0				17.4	103.2	89 500*	35.3	116.9	80 900*	46.9	123.1	72 000*	70.0
72.0							31.4	113.8	77 800*	43.9	121.1	69 200*	72.0
74.0							27.0	110.1	74 700*	40.8	118.8	66 500*	74.0
76.0							21.7	105.4	71 800*	37.4	116.2	63 900*	76.0
80.0										29.6	109.9	59 100*	80.0
84.0										19.0	100.6	54 500*	84.0

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

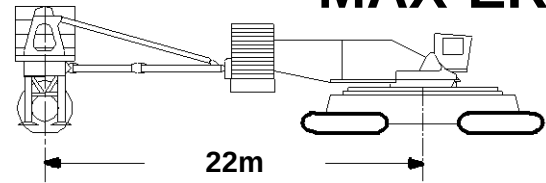
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

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 22m 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

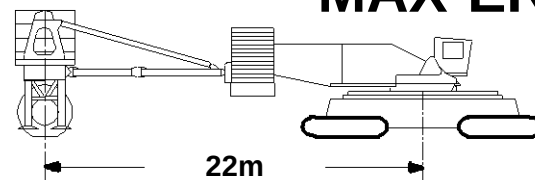
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity 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	176 300*b							40.0
42.0	59.2	140.6	147 000*	67.1	143.5	166 700*							42.0
44.0	57.0	139.3	139 500*	65.0	142.6	158 100*							44.0
46.0	54.7	137.9	132 400*	62.9	141.5	150 100*							46.0
48.0	52.3	136.4	125 500*	60.8	140.4	142 800*							48.0
50.0	49.9	134.7	119 000*	58.6	139.2	136 100*							50.0
52.0	47.3	132.9	112 700*	56.3	137.9	129 800*	64.3	140.5	116 900*				52.0
54.0	44.7	130.9	106 800*	54.0	136.4	124 000*	62.2	139.5	111 600*				54.0
56.0	41.9	128.7	101 300*	51.6	134.9	118 600*	60.0	138.3	106 700*				56.0
58.0	38.9	126.3	96 200*	49.1	133.2	113 500*	57.8	137.1	102 100*				58.0
60.0	35.7	123.5	91 500*	46.6	131.3	108 800*	55.5	135.7	97 800*				60.0
62.0	32.3	120.5	87 200*	43.9	129.2	104 400*	53.2	134.2	93 700*				62.0
64.0	28.5	116.9	83 300*	41.0	127.0	100 200*	50.8	132.6	89 900*	59.1	135.5	79 700*	64.0
66.0	24.1	112.7	80 000*	38.0	124.5	96 200*	48.3	130.9	86 300*	56.8	134.2	76 400*	66.0
68.0	18.7	107.3	77 200*	34.8	121.7	92 500*	45.7	128.9	82 900*	54.5	132.8	73 300*	68.0
70.0	10.8	99.2	75 500*	31.2	118.5	88 900*	42.9	126.8	79 700*	52.2	131.2	70 400*	70.0
72.0				27.3	114.8	85 500*	40.0	124.5	76 600*	49.7	129.6	67 700*	72.0
74.0				22.7	110.3	82 200*	36.9	121.9	73 700*	47.1	127.7	65 000*	74.0
76.0				16.8	104.4	79 000*	33.6	118.9	70 900*	44.5	125.7	62 600*	76.0
80.0							25.8	111.6	65 700*	38.7	121.1	57 900*	80.0
84.0							14.2	100.0	60 600*	32.1	115.2	53 600*	84.0
88.0										23.7	107.3	49 500*	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 22m 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, 67.1m (220 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	70 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms		Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms		Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms		Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	
29.0	74.4	153.1	166 100*													29.0
30.0	73.5	152.8	166 100*													30.0
32.0	71.7	152.1	166 100*													32.0
34.0	69.8	151.4	164 800*													34.0
36.0	68.0	150.6	158 800*													36.0
38.0	66.1	149.7	152 800*													38.0
40.0	64.2	148.7	146 600*													40.0
42.0	62.3	147.7	140 300*													42.0
44.0	60.3	146.5	134 000*	67.5	149.3	156 000*										44.0
46.0	58.3	145.3	127 700*	65.6	148.4	148 100*										46.0
48.0	56.3	144.0	121 600*	63.7	147.4	140 800*										48.0
50.0	54.2	142.5	115 600*	61.7	146.3	134 100*										50.0
52.0	52.0	141.0	109 900*	59.8	145.1	127 900*										52.0
54.0	49.8	139.3	104 500*	57.7	143.9	122 100*										54.0
56.0	47.5	137.5	99 300*	55.7	142.5	116 700*	63.0	145.3	104 500*							56.0
58.0	45.1	135.5	94 400*	53.6	141.1	111 700*	61.1	144.2	100 000*							58.0
60.0	42.6	133.4	89 800*	51.4	139.5	107 000*	59.1	143.0	95 700*							60.0
62.0	39.9	131.0	85 500*	49.1	137.8	102 600*	57.0	141.7	91 600*							62.0
64.0	37.1	128.4	81 400*	46.8	135.9	98 500*	55.0	140.4	87 900*							64.0
66.0	34.1	125.6	77 700*	44.4	133.9	94 600*	52.8	138.8	84 300*							66.0
68.0	30.9	122.3	74 300*	41.8	131.7	90 900*	50.6	137.2	80 900*	58.2	140.2	71 100*				68.0
70.0	27.3	118.6	71 300*	39.1	129.3	87 400*	48.3	135.5	77 800*	56.1	138.8	68 200*				70.0
72.0	23.1	114.2	68 600*	36.3	126.6	84 100*	46.0	133.5	74 800*	54.0	137.4	65 500*				72.0
74.0	18.0	108.6	66 500*	33.2	123.6	80 900*	43.5	131.5	71 900*	51.9	135.8	62 900*				74.0
76.0	10.7	100.2	65 200*	29.9	120.3	77 900*	40.9	129.2	69 200*	49.6	134.2	60 500*				76.0
80.0				21.8	111.7	72 200*	35.3	123.9	64 100*	44.9	130.3	55 900*				80.0
84.0							28.6	117.3	59 400*	39.7	125.8	51 700*				84.0
88.0							20.1	108.1	55 000*	33.9	120.3	47 800*				88.0
92.0										27.0	113.3	44 100*				92.0
96.0										17.7	103.1	40 600*				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

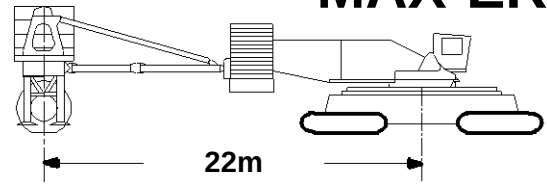
90 720 kg Carbody Counterweight

190 510 kg Wheeled Counterweight

at 22m 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, 73.2m (240 Ft.) Luffing Jib

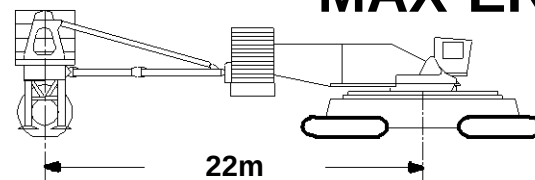
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
30.5	74.5	159.0	148 700*(b)										30.5
32.0	73.2	158.5	148 700*(b)										32.0
34.0	71.6	157.8	148 700*										34.0
36.0	69.9	157.1	147 400*										36.0
38.0	68.2	156.3	143 200*										38.0
40.0	66.5	155.5	138 300*										40.0
42.0	64.8	154.5	133 100*										42.0
44.0	63.0	153.5	127 900*										44.0
46.0	61.3	152.4	122 600*	67.7	155.0	146 300*							46.0
48.0	59.4	151.2	117 400*	66.0	154.2	139 100*							48.0
50.0	57.6	150.0	112 200*	64.3	153.2	132 400*							50.0
52.0	55.7	148.6	107 100*	62.5	152.2	126 200*							52.0
54.0	53.8	147.2	102 200*	60.7	151.0	120 400*							54.0
56.0	51.8	145.6	97 400*	58.9	149.8	115 100*							56.0
58.0	49.7	143.9	92 800*	57.0	148.6	110 100*	63.7	151.2	98 100*				58.0
60.0	47.6	142.1	88 600*	55.1	147.2	105 400*	61.9	150.1	93 800*				60.0
62.0	45.4	140.2	84 400*	53.2	145.7	101 000*	60.1	149.0	89 900*				62.0
64.0	43.1	138.0	80 500*	51.2	144.1	96 900*	58.3	147.7	86 100*				64.0
66.0	40.8	135.8	76 900*	49.1	142.4	93 000*	56.4	146.4	82 600*				66.0
68.0	38.3	133.3	73 400*	47.0	140.5	89 400*	54.5	145.0	79 200*				68.0
70.0	35.6	130.5	70 200*	44.8	138.5	85 900*	52.5	143.5	76 100*				70.0
72.0	32.8	127.5	67 300*	42.5	136.4	82 600*	50.5	141.8	73 100*	57.5	144.8	63 700*	72.0
74.0	29.7	124.1	64 600*	40.1	134.0	79 500*	48.4	140.1	70 300*	55.6	143.5	61 100*	74.0
76.0	26.2	120.2	62 200*	37.5	131.5	76 500*	46.2	138.2	67 600*	53.6	142.0	58 700*	76.0
80.0	17.5	109.8	58 500*	31.9	125.5	71 000*	41.6	133.9	62 500*	49.6	138.8	54 200*	80.0
84.0				25.2	117.9	65 900*	36.6	128.8	58 000*	45.3	135.0	50 000*	84.0
88.0				15.9	106.7	61 100*	30.8	122.7	53 700*	40.6	130.6	46 200*	88.0
92.0							23.8	114.6	49 800*	35.4	125.3	42 700*	92.0
96.0							13.6	102.3	45 900*	29.4	118.8	39 300*	96.0
100.0										22.0	110.2	36 200*	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 22m 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, 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	74.6	164.9	132 800*										32.0
34.0	73.1	164.3	132 800*										34.0
36.0	71.5	163.6	132 800*										36.0
38.0	70.0	162.9	132 600*										38.0
40.0	68.4	162.1	128 900*										40.0
42.0	66.9	161.2	124 800*										42.0
44.0	65.3	160.3	120 500*										44.0
46.0	63.7	159.3	116 200*	69.5	161.6	139 100*							46.0
48.0	62.0	158.3	111 800*	68.0	160.8	136 800*							48.0
50.0	60.4	157.1	107 300*	66.4	159.9	130 400*							50.0
52.0	58.7	155.9	102 900*	64.8	159.0	124 200*							52.0
54.0	56.9	154.6	98 600*	63.2	158.0	118 400*							54.0
56.0	55.2	153.3	94 300*	61.5	156.9	113 200*							56.0
58.0	53.4	151.8	90 200*	59.9	155.8	108 200*							58.0
60.0	51.6	150.2	86 200*	58.2	154.5	103 500*	64.3	157.0	91 700*				60.0
62.0	49.7	148.5	82 400*	56.4	153.2	99 200*	62.6	155.9	87 700*				62.0
64.0	47.7	146.7	78 700*	54.7	151.8	95 100*	61.0	154.8	84 000*				64.0
66.0	45.7	144.8	75 200*	52.9	150.3	91 200*	59.3	153.7	80 500*				66.0
68.0	43.6	142.7	72 000*	51.0	148.7	87 600*	57.6	152.4	77 200*				68.0
70.0	41.4	140.5	68 800*	49.1	147.0	84 200*	55.8	151.0	74 000*				70.0
72.0	39.2	138.0	65 900*	47.1	145.1	80 900*	54.1	149.6	71 100*				72.0
74.0	36.8	135.4	63 100*	45.1	143.2	77 800*	52.2	148.1	68 300*	58.6	150.8	58 900*	74.0
76.0	34.3	132.5	60 600*	43.0	141.0	74 900*	50.4	146.4	65 600*	56.8	149.5	56 500*	76.0
80.0	28.6	125.8	56 100*	38.5	136.3	69 400*	46.4	142.8	60 700*	53.3	146.6	52 000*	80.0
84.0	21.6	117.0	52 500*	33.5	130.6	64 400*	42.3	138.6	56 200*	49.5	143.4	47 900*	84.0
88.0	10.6	102.4	50 400*	27.7	123.6	59 800*	37.7	133.7	52 000*	45.6	139.6	44 200*	88.0
92.0				20.4	114.4	55 500*	32.6	127.8	48 200*	41.3	135.3	40 800*	92.0
96.0				7.8	97.5	51 200*	26.6	120.6	44 600*	36.6	130.2	37 600*	96.0
100.0							18.8	110.6	41 200*	31.4	124.1	34 500*	100.0
104.0										25.1	116.4	31 700*	104.0
108.0										16.7	105.5	28 900*	108.0

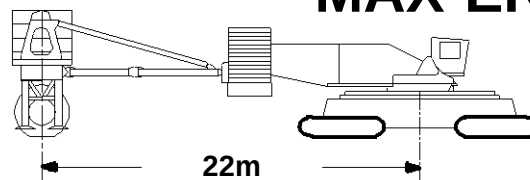
Liftcrane Luffing Jib Capacities

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 22m 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, 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	74.6	170.8	120 200*							33.5
34.0	74.3	170.6	119 800*							34.0
36.0	72.9	170.0	118 900*							36.0
38.0	71.5	169.4	119 100*							38.0
40.0	70.1	168.6	118 900*							40.0
42.0	68.6	167.9	116 400*							42.0
44.0	67.2	167.0	113 000*							44.0
46.0	65.7	166.1	109 400*							46.0
48.0	64.2	165.2	105 800*							48.0
50.0	62.7	164.1	102 100*	68.2	166.6	124 000*				50.0
52.0	61.1	163.0	98 300*	66.7	165.7	122 800*				52.0
54.0	59.6	161.9	94 600*	65.3	164.8	116 900*				54.0
56.0	58.0	160.6	90 900*	63.8	163.8	111 600*				56.0
58.0	56.4	159.3	87 200*	62.2	162.8	106 600*				58.0
60.0	54.8	157.9	83 600*	60.7	161.7	102 000*				60.0
62.0	53.1	156.4	80 100*	59.1	160.5	97 700*				62.0
64.0	51.4	154.8	76 800*	57.6	159.2	93 600*	63.2	161.8	82 300*	64.0
66.0	49.6	153.1	73 600*	55.9	157.9	89 700*	61.7	160.7	78 800*	66.0
68.0	47.8	151.3	70 400*	54.3	156.4	86 100*	60.2	159.6	75 500*	68.0
70.0	45.9	149.4	67 500*	52.6	154.9	82 700*	58.6	158.4	72 400*	70.0
72.0	44.0	147.3	64 600*	50.9	153.3	79 500*	57.0	157.1	69 500*	72.0
74.0	42.0	145.1	62 000*	49.1	151.6	76 400*	55.4	155.7	66 700*	74.0
76.0	40.0	142.8	59 400*	47.3	149.7	73 500*	53.7	154.2	64 100*	76.0
80.0	35.5	137.5	54 800*	43.5	145.7	68 100*	50.3	151.0	59 200*	80.0
84.0	30.5	131.2	50 800*	39.3	141.0	63 100*	46.6	147.4	54 700*	84.0
88.0	24.5	123.2	47 500*	34.8	135.6	58 600*	42.8	143.2	50 600*	88.0
92.0	16.6	112.2	45 100*	29.7	129.1	54 400*	38.6	138.5	46 800*	92.0
96.0				23.5	120.9	50 500*	34.0	132.9	43 300*	96.0
100.0				15.1	109.0	46 800*	28.7	126.1	40 100*	100.0
104.0							22.3	117.5	37 000*	104.0
108.0							13.1	104.5	33 900*	108.0