

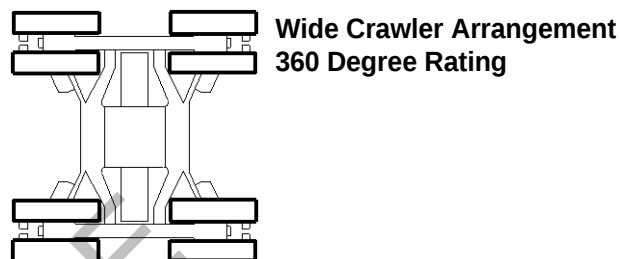
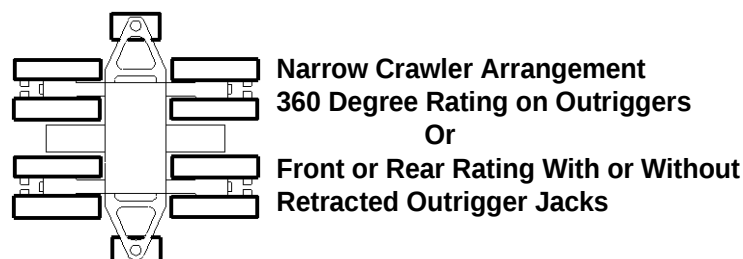
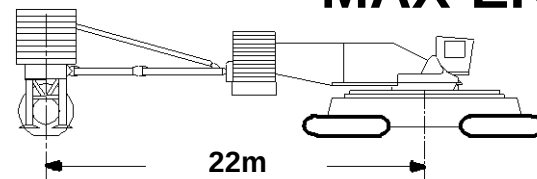
Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
509 840 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

21000
MAX-ER



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

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

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

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

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

Upper luffing jib point capacity for liftcrane service with single part whip line is 22 130 kg or 44 270 kg with two part whip line. In all cases, upper luffing jib point capacities cannot exceed those listed for main luffing jib capacity.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc. beneath boom and luffing jib point sheaves is considered part of luffing jib load. Boom and luffing jib are not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS

General: Machine to operate on a firm uniformly supporting surface with gantry in intermediate position, mast up and bearing turntable level within a tolerance of 13 mm in 3m and properly supported. During operation, boom must be maintained at one of the selected angles shown in chart. Refer to luffing jib rigging assembly **No. 192589** and Wire Rope Specification chart **No. 8201-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

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

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

MACHINE TRAVEL

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

Narrow Crawler Arrangement: Narrow crawler arrangement (9.1m) travel allowed only with upperworks centered over front or rear of lowerworks (no swing) with outrigger jacks retracted or outriggers removed.

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

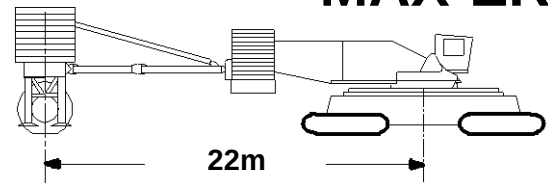
Liftcrane Luffing Jib Capacities

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MAX-ER

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

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

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

MACHINE EQUIPMENT: Machine equipped with MAX-ER, lowerworks carbody beams, outriggers, eight 4 978 mm crawlers, 1 219 mm treads, 42.7m mast, 8 534 mm

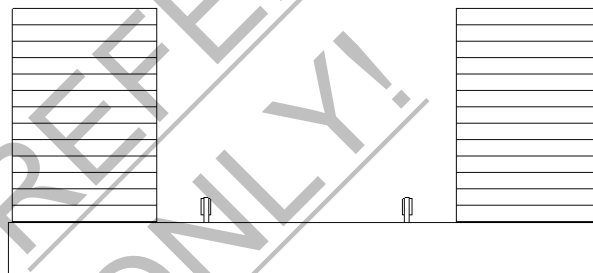
retractable gantry, 20 part boom hoist reeving, boom support straps, 22 part luffing jib hoist reeving, luffing jib and backstay support straps, 224 390 kg crane counterweight, two 24 270 kg and two 21 090 kg carbody counterweights and 509 840 kg wheeled counterweight.

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

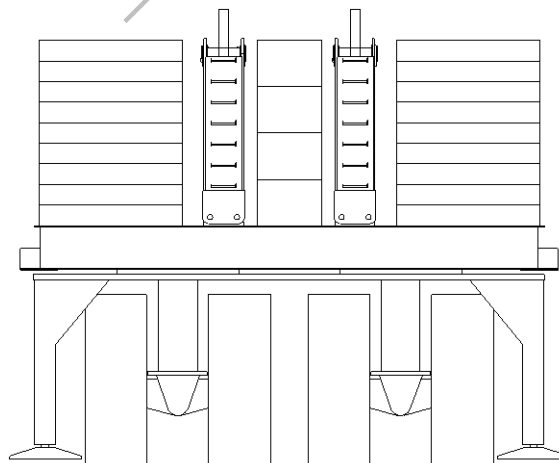
Warning: Narrow crawler arrangement requires set outrigger jacks to swing beyond front or rear operating range.

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

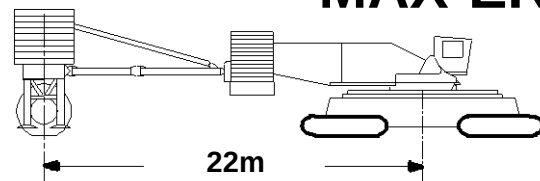


509 840 kg Wheeled Counterweight
18 Side Boxes - 4 Center Boxes

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
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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 509 840 kg Wheeled Counterweight

Boom Length Meters	Luffing Jib No. 81 Meters	Boom to Luffing Jib Angle Degrees
Over End of Unblocked Crawlers		
54.9 - 103.6	36.6 - 91.4	90
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.

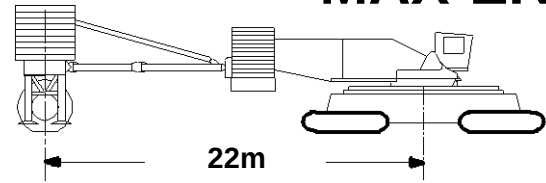
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224 390 kg Crane Counterweight
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at 22m Position

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Narrow or Wide Crawler Arrangement - 360 Degree Rating

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			65 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	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	451 100*d													20.0
22.0	67.9	91.9	434 000*d													22.0
24.0	64.4	90.9	417 400*b													24.0
26.0	60.8	89.8	401 700*b													26.0
28.0	57.1	88.6	386 500*b	65.8	90.6	436 700*b										28.0
30.0	53.2	87.1	372 100*	62.2	89.6	421 900*b										30.0
32.0	49.1	85.4	353 300*	58.6	88.4	404 000*b										32.0
34.0	44.7	83.4	325 400*	54.7	87.0	379 300*b	63.5	88.9	369 600*b							34.0
36.0	39.9	81.1	300 300*	50.7	85.4	357 200*	59.9	87.7	348 100*b							36.0
38.0	34.5	78.3	277 500*	46.4	83.5	337 400*	56.1	86.4	328 800*b							38.0
40.0	28.1	74.8	257 700*	41.8	81.3	319 500*	52.2	84.9	311 400*							40.0
42.0	19.9	69.9	233 800*	36.7	78.7	303 200*	48.0	83.1	295 600*	57.3	85.3	288 000*b				42.0
44.0				30.8	75.6	288 200*	43.5	81.0	281 100*	53.4	83.8	273 900*				44.0
46.0				23.5	71.4	271 600*	38.6	78.6	267 900*	49.3	82.1	261 000*				46.0
48.0							33.0	75.7	255 600*	44.9	80.2	249 200*				48.0
50.0							26.3	71.9	244 100*	40.1	77.9	238 200*	50.2	80.6	232 100*	50.0
52.0							17.3	66.5	231 800*	34.8	75.1	228 000*	45.9	78.7	222 200*	52.0
54.0										28.5	71.6	218 400*	41.2	76.5	213 000*	54.0
56.0										20.4	66.9	209 400*	36.0	73.9	204 500*	56.0
58.0													30.0	70.6	196 400*	58.0
60.0													22.5	66.2	188 700*	60.0

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

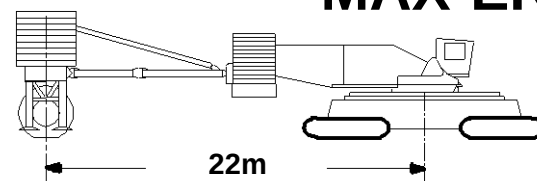
Capacities indicated by (d) require
31 750 kg minimum weight suspended
beneath luffing jib point.

**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
509 840 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			65 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	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	395 600*b													24.0
26.0	65.3	96.8	381 900*b													26.0
28.0	62.3	95.7	368 400*b													28.0
30.0	59.2	94.5	355 600*	66.5	96.4	400 400*b										30.0
32.0	56.0	93.2	340 700*	63.5	95.4	388 200*b										32.0
34.0	52.6	91.7	316 400*	60.4	94.3	375 000*b										34.0
36.0	49.1	90.0	293 300*	57.2	93.0	356 400*										36.0
38.0	45.3	88.0	271 900*	53.9	91.6	336 200*	61.5	93.6	327 100*b							38.0
40.0	41.3	85.8	252 300*	50.5	90.0	318 400*	58.4	92.4	309 800*							40.0
42.0	36.9	83.2	234 400*	46.8	88.1	302 200*	55.1	91.0	294 000*							42.0
44.0	32.0	80.1	218 400*	42.9	86.0	287 400*	51.7	89.5	279 700*							44.0
46.0	26.2	76.3	204 400*	38.7	83.6	273 900*	48.1	87.7	266 600*	56.1	89.9	259 300*				46.0
48.0	18.8	71.2	193 100*	34.0	80.7	261 400*	44.3	85.7	254 500*	52.8	88.4	247 600*				48.0
50.0				28.6	77.3	249 800*	40.2	83.4	243 300*	49.2	86.7	236 700*				50.0
52.0				22.0	72.8	235 700*	35.7	80.7	232 900*	45.5	84.8	226 700*	53.5	86.9	220 500*	52.0
54.0							30.7	77.5	223 300*	41.5	82.6	217 300*	50.0	85.2	211 400*	54.0
56.0							24.6	73.4	214 100*	37.1	80.0	208 600*	46.4	83.4	202 900*	56.0
58.0							16.4	67.7	204 900*	32.2	77.0	200 400*	42.4	81.2	195 000*	58.0
60.0										26.5	73.2	192 700*	38.2	78.7	187 600*	60.0
62.0										19.2	68.2	185 300*	33.4	75.8	180 600*	62.0
64.0										4.2	57.2	177 700*	27.9	72.3	174 000*	64.0
66.0													21.1	67.6	167 600*	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).**

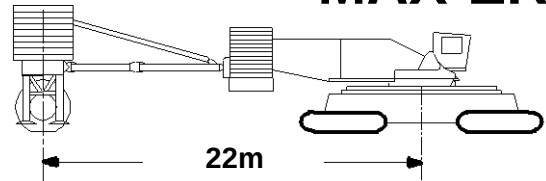
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Narrow or Wide Crawler Arrangement - 360 Degree Rating

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			65 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	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	372 700*b													24.0
26.0	68.6	103.4	361 300*b													26.0
28.0	66.0	102.6	349 900*b													28.0
30.0	63.4	101.6	338 700*													30.0
32.0	60.7	100.4	324 300*	67.1	102.2	367 600*b										32.0
34.0	58.0	99.2	304 200*	64.5	101.3	357 600*b										34.0
36.0	55.1	97.8	284 600*	61.8	100.2	347 300*										36.0
38.0	52.1	96.3	265 800*	59.1	99.0	334 900*										38.0
40.0	49.1	94.6	248 000*	56.2	97.7	317 400*	62.8	99.5	308 500*							40.0
42.0	45.8	92.7	231 200*	53.3	96.2	301 300*	60.0	98.3	292 800*							42.0
44.0	42.3	90.5	215 700*	50.3	94.6	286 600*	57.3	97.1	278 600*							44.0
46.0	38.6	88.1	201 600*	47.1	92.7	273 100*	54.4	95.7	265 500*							46.0
48.0	34.6	85.2	188 800*	43.7	90.7	260 700*	51.4	94.1	253 500*	58.1	96.0	246 300*				48.0
50.0	30.0	81.9	177 000*	40.1	88.4	249 300*	48.3	92.3	242 400*	55.3	94.6	235 500*				50.0
52.0	24.7	77.9	166 700*	36.2	85.7	238 600*	45.0	90.3	232 100*	52.3	93.0	225 500*				52.0
54.0	17.9	72.4	158 500*	31.9	82.6	226 300*	41.4	88.1	222 600*	49.2	91.3	216 200*				54.0
56.0				26.9	78.9	214 300*	37.7	85.6	213 700*	46.0	89.4	207 600*	53.0	91.5	201 700*	56.0
58.0				20.8	74.1	201 200*	33.5	82.7	205 300*	42.5	87.3	199 500*	49.9	89.8	193 800*	58.0
60.0							28.8	79.2	197 500*	38.8	84.9	192 000*	46.7	88.0	186 500*	60.0
62.0							23.2	74.9	190 100*	34.8	82.1	184 900*	43.3	85.9	179 600*	62.0
64.0							15.7	68.8	182 900*	30.3	78.8	178 200*	39.7	83.5	173 200*	64.0
66.0										25.0	74.8	171 800*	35.7	80.8	167 100*	66.0
68.0										18.3	69.4	165 600*	31.3	77.7	161 200*	68.0
70.0										5.6	58.9	159 300*	26.3	73.8	155 700*	70.0
72.0													20.0	68.9	150 400*	72.0

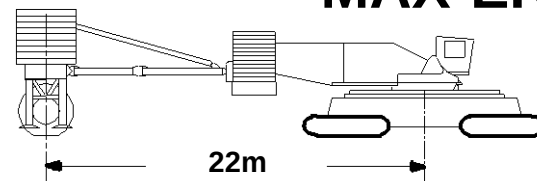
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**21000
MAX-ER**

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

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	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	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	339 400* b													26.0
28.0	68.9	109.2	331 000* b													28.0
30.0	66.6	108.3	319 500*													30.0
32.0	64.3	107.4	304 200*	69.8	108.8	337 700* b										32.0
34.0	61.9	106.3	288 500*	67.5	108.0	335 300*										34.0
36.0	59.5	105.2	272 600*	65.2	107.1	329 900*										36.0
38.0	57.0	103.9	256 800*	62.9	106.1	321 200*										38.0
40.0	54.4	102.4	241 500*	60.5	104.9	312 300*										40.0
42.0	51.8	100.9	226 700*	58.0	103.7	300 200*	63.7	105.3	291 000*							42.0
44.0	49.0	99.2	212 700*	55.5	102.3	285 000*	61.3	104.2	276 600*							44.0
46.0	46.2	97.3	199 500*	52.9	100.8	271 600*	58.9	103.0	263 600*							46.0
48.0	43.1	95.2	187 000*	50.1	99.2	259 300*	56.4	101.7	251 700*							48.0
50.0	39.9	92.8	175 600*	47.3	97.4	247 900*	53.8	100.3	240 700*							50.0
52.0	36.5	90.2	165 300*	44.4	95.3	237 400*	51.1	98.7	230 500*	57.1	100.6	223 600*				52.0
54.0	32.7	87.2	155 500*	41.2	93.1	227 100*	48.3	96.9	221 000*	54.6	99.2	214 400*				54.0
56.0	28.4	83.6	146 800*	37.9	90.6	215 200*	45.4	95.0	212 100*	51.9	97.6	205 800*				56.0
58.0	23.5	79.3	139 200*	34.2	87.7	204 200*	42.4	92.8	203 900*	49.2	95.9	197 800*				58.0
60.0	17.1	73.6	132 900*	30.2	84.4	193 800*	39.1	90.4	196 200*	46.3	94.1	190 300*	52.5	96.1	184 600*	60.0
62.0				25.5	80.4	182 400*	35.6	87.7	188 900*	43.3	92.0	183 300*	49.8	94.4	177 800*	62.0
64.0				19.9	75.4	171 400*	31.7	84.5	182 100*	40.1	89.6	176 700*	47.0	92.6	171 300*	64.0
66.0							27.3	80.8	175 600*	36.6	87.0	170 500*	44.0	90.5	165 300*	66.0
68.0							22.1	76.3	169 400*	32.9	84.0	164 500*	40.8	88.3	159 600*	68.0
70.0							15.1	69.9	163 400*	28.7	80.5	158 900*	37.4	85.7	154 200*	70.0
72.0										23.7	76.2	153 600*	33.7	82.8	149 100*	72.0
74.0										17.5	70.6	148 400*	29.6	79.4	144 200*	74.0
76.0										6.4	60.2	143 000*	24.9	75.4	139 500*	76.0

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

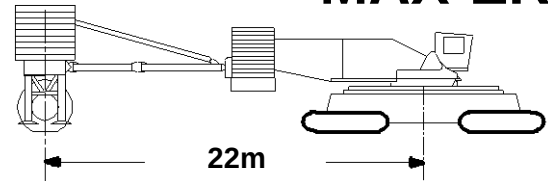
Liftcrane Luffing Jib Capacities

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
509 840 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, 61.0m (200 Ft.) Luffing Jib

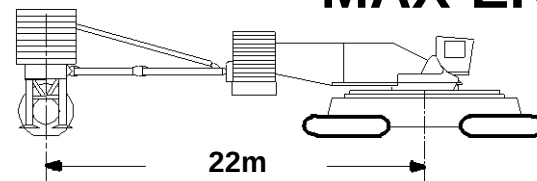
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	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	293 000*													28.0
30.0	69.1	115.0	290 800*													30.0
32.0	67.0	114.1	281 400*													32.0
34.0	65.0	113.2	269 700*													34.0
36.0	62.8	112.2	257 400*	67.8	113.8	299 700*										36.0
38.0	60.7	111.1	244 800*	65.8	112.9	295 000*										38.0
40.0	58.5	109.8	232 200*	63.7	111.9	289 800*										40.0
42.0	56.2	108.5	219 700*	61.5	110.8	284 300*										42.0
44.0	53.9	107.1	207 600*	59.4	109.6	278 500*										44.0
46.0	51.5	105.5	195 800*	57.1	108.4	270 700*	62.3	110.1	262 200*							46.0
48.0	49.0	103.8	184 700*	54.8	107.0	258 100*	60.1	109.0	250 200*							48.0
50.0	46.5	101.9	173 900*	52.5	105.4	246 800*	57.9	107.7	239 300*							50.0
52.0	43.8	99.8	164 000*	50.0	103.8	236 300*	55.7	106.4	229 100*							52.0
54.0	40.9	97.6	154 800*	47.5	102.0	226 400*	53.3	104.9	219 700*	58.6	106.6	212 900*				54.0
56.0	37.9	95.0	146 000*	44.8	100.0	215 400*	50.9	103.3	210 900*	56.3	105.3	204 400*				56.0
58.0	34.6	92.2	138 000*	42.1	97.8	204 300*	48.4	101.5	202 700*	54.0	103.8	196 400*				58.0
60.0	31.1	89.0	130 700*	39.1	95.4	194 200*	45.8	99.6	195 100*	51.6	102.3	189 000*				60.0
62.0	27.1	85.3	124 200*	36.0	92.7	184 900*	43.1	97.5	187 900*	49.2	100.5	182 000*				62.0
64.0	22.4	80.7	118 300*	32.5	89.6	174 600*	40.2	95.2	181 100*	46.6	98.7	175 400*	52.2	100.7	169 900*	64.0
66.0	16.5	74.8	113 400*	28.7	86.1	164 500*	37.1	92.6	174 700*	43.9	96.6	169 300*	49.7	99.0	163 900*	66.0
68.0				24.4	82.0	155 100*	33.8	89.7	168 600*	41.1	94.4	163 400*	47.2	97.2	158 300*	68.0
70.0				19.1	76.7	146 600*	30.1	86.3	162 900*	38.0	91.9	157 900*	44.5	95.2	152 900*	70.0
72.0							26.0	82.4	157 500*	34.8	89.0	152 700*	41.7	93.0	147 900*	72.0
74.0							21.1	77.6	152 300*	31.3	85.9	147 700*	38.7	90.5	143 000*	74.0
76.0							14.7	71.1	146 000*	27.3	82.1	142 900*	35.6	87.8	138 500*	76.0
80.0										16.9	71.8	133 900*	28.2	81.1	129 900*	80.0
84.0													18.3	71.4	121 900*	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
509 840 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			65 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	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	249 100*													34.0
36.0	65.5	119.0	239 600*													36.0
38.0	63.6	118.0	230 000*	68.1	119.6	260 700*										38.0
40.0	61.7	116.9	220 100*	66.2	118.7	259 300*										40.0
42.0	59.7	115.8	209 900*	64.4	117.7	254 700*										42.0
44.0	57.7	114.5	199 900*	62.4	116.7	249 500*										44.0
46.0	55.6	113.1	189 900*	60.5	115.5	243 200*										46.0
48.0	53.5	111.7	180 200*	58.5	114.3	236 800*	63.1	115.9	245 400*							48.0
50.0	51.3	110.1	170 800*	56.4	113.0	230 100*	61.2	114.9	237 800*							50.0
52.0	49.0	108.4	161 800*	54.3	111.6	223 200*	59.2	113.7	227 200*							52.0
54.0	46.7	106.5	153 100*	52.2	110.0	216 000*	57.1	112.4	217 800*							54.0
56.0	44.3	104.5	145 000*	49.9	108.4	208 900*	55.1	111.0	209 100*							56.0
58.0	41.7	102.3	137 400*	47.6	106.6	201 600*	52.9	109.5	201 000*	57.8	111.3	194 400*				58.0
60.0	39.0	99.8	130 200*	45.2	104.6	193 500*	50.7	107.9	193 300*	55.7	109.9	187 000*				60.0
62.0	36.2	97.2	123 600*	42.7	102.5	184 000*	48.5	106.1	186 100*	53.6	108.4	180 100*				62.0
64.0	33.1	94.2	117 400*	40.1	100.1	175 400*	46.1	104.2	179 400*	51.4	106.9	173 600*				64.0
66.0	29.7	90.8	111 700*	37.3	97.6	167 100*	43.6	102.1	173 100*	49.1	105.1	167 400*	54.1	106.9	161 900*	66.0
68.0	26.0	86.9	106 500*	34.3	94.7	157 900*	41.1	99.9	167 100*	46.8	103.3	161 600*	51.9	105.3	156 300*	68.0
70.0	21.6	82.1	101 900*	31.1	91.5	149 300*	38.3	97.4	161 400*	44.4	101.3	156 200*	49.7	103.6	150 900*	70.0
72.0	16.0	75.9	98 100*	27.5	87.8	141 300*	35.4	94.6	156 100*	41.8	99.1	151 000*	47.3	101.8	146 000*	72.0
74.0				23.4	83.4	133 900*	32.3	91.6	151 000*	39.2	96.6	146 100*	44.9	99.8	141 200*	74.0
76.0				18.4	77.9	127 100*	28.8	88.1	146 100*	36.3	94.0	141 400*	42.4	97.7	136 600*	76.0
80.0							20.3	79.0	134 800*	29.9	87.6	132 600*	37.0	92.7	128 200*	80.0
84.0										21.8	79.1	124 600*	30.7	86.5	120 500*	84.0
88.0										7.4	62.7	116 800*	22.9	78.3	113 400*	88.0

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

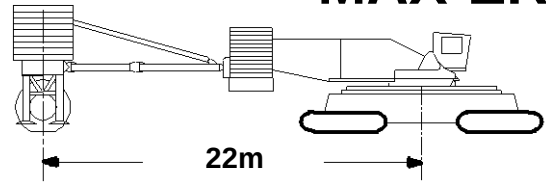
Liftcrane Luffing Jib Capacities

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
509 840 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

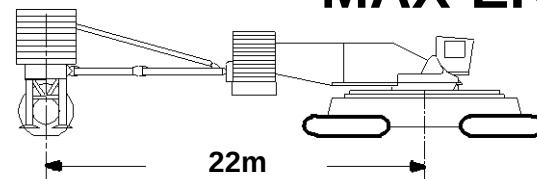
54.9m (180 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	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	219 700*													36.0
38.0	66.0	124.8	214 300*													38.0
40.0	64.2	123.8	206 700*	68.3	125.3	225 600*										40.0
42.0	62.5	122.8	198 900*	66.6	124.5	225 600*										42.0
44.0	60.7	121.7	190 900*	64.9	123.5	222 500*										44.0
46.0	58.8	120.5	182 800*	63.2	122.5	217 400*										46.0
48.0	57.0	119.2	174 800*	61.4	121.4	211 600*										48.0
50.0	55.1	117.8	166 800*	59.6	120.3	205 400*	63.8	121.8	213 700*							50.0
52.0	53.1	116.3	158 900*	57.7	119.0	198 900*	62.0	120.7	210 100*							52.0
54.0	51.1	114.7	151 400*	55.8	117.7	192 400*	60.2	119.6	205 600*							54.0
56.0	49.0	113.0	144 000*	53.9	116.2	185 700*	58.4	118.4	200 300*							56.0
58.0	46.9	111.1	137 000*	51.9	114.6	179 100*	56.5	117.0	194 600*							58.0
60.0	44.7	109.1	130 300*	49.9	113.0	172 500*	54.6	115.6	188 700*	58.9	117.2	185 300*				60.0
62.0	42.4	106.9	123 900*	47.7	111.2	166 200*	52.6	114.1	182 400*	57.1	115.9	178 400*				62.0
64.0	40.0	104.6	118 000*	45.6	109.2	159 900*	50.6	112.5	176 000*	55.2	114.5	171 900*				64.0
66.0	37.4	102.0	112 300*	43.3	107.1	153 900*	48.5	110.7	169 800*	53.2	113.1	165 800*				66.0
68.0	34.7	99.2	107 100*	40.9	104.9	148 100*	46.4	108.8	163 600*	51.2	111.5	160 000*				68.0
70.0	31.8	96.0	102 200*	38.4	102.4	142 500*	44.1	106.8	157 500*	49.1	109.7	154 600*	53.6	111.5	149 200*	70.0
72.0	28.6	92.5	97 700*	35.8	99.7	137 200*	41.8	104.6	151 800*	47.0	107.9	149 400*	51.7	109.9	144 200*	72.0
74.0	25.0	88.4	93 600*	32.9	96.6	132 100*	39.3	102.2	146 200*	44.8	105.9	144 500*	49.6	108.2	139 500*	74.0
76.0	20.8	83.5	90 000*	29.9	93.3	127 300*	36.7	99.5	140 700*	42.5	103.7	139 900*	47.5	106.4	135 000*	76.0
80.0				22.6	84.8	118 300*	31.0	93.4	130 600*	37.5	98.8	131 200*	43.0	102.3	126 700*	80.0
84.0							24.0	85.5	121 400*	31.9	92.9	123 400*	38.1	97.5	119 100*	84.0
88.0							14.0	73.3	109 500*	25.2	85.3	116 100*	32.6	91.7	112 100*	88.0
92.0										15.9	74.1	109 300*	26.0	84.4	105 700*	92.0
96.0													17.2	73.8	99 600*	96.0

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
509 840 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			65 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	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	185 200*	68.5	131.1	196 400*										42.0
44.0	63.1	128.6	179 000*	67.0	130.2	196 400*										44.0
46.0	61.5	127.5	172 600*	65.4	129.3	192 900*										46.0
48.0	59.8	126.4	166 100*	63.8	128.3	187 400*										48.0
50.0	58.1	125.1	159 600*	62.1	127.3	181 500*										50.0
52.0	56.4	123.8	153 100*	60.5	126.2	175 400*	64.3	127.6	184 300*							52.0
54.0	54.6	122.4	146 700*	58.8	125.0	169 200*	62.7	126.6	180 200*							54.0
56.0	52.8	120.9	140 400*	57.1	123.7	162 800*	61.1	125.5	175 400*							56.0
58.0	50.9	119.3	134 200*	55.3	122.3	156 500*	59.4	124.3	170 200*							58.0
60.0	49.0	117.6	128 100*	53.5	120.8	150 200*	57.7	123.0	164 600*							60.0
62.0	47.1	115.7	122 300*	51.7	119.2	144 200*	55.9	121.7	158 800*							62.0
64.0	45.0	113.7	116 700*	49.8	117.6	138 300*	54.2	120.2	153 000*	58.2	121.9	161 900*				64.0
66.0	42.9	111.6	111 400*	47.8	115.8	132 600*	52.3	118.7	147 100*	56.5	120.6	157 400*				66.0
68.0	40.7	109.3	106 400*	45.8	113.8	127 100*	50.5	117.1	141 300*	54.7	119.2	152 600*				68.0
70.0	38.4	106.8	101 700*	43.8	111.8	121 700*	48.5	115.3	135 600*	52.9	117.7	147 500*				70.0
72.0	36.0	104.1	97 200*	41.6	109.6	116 600*	46.6	113.4	130 100*	51.0	116.1	142 300*				72.0
74.0	33.4	101.2	93 000*	39.3	107.2	111 700*	44.5	111.4	124 700*	49.1	114.3	137 000*	53.3	116.1	137 500*	74.0
76.0	30.6	97.9	89 100*	37.0	104.5	107 000*	42.4	109.3	119 600*	47.2	112.5	131 700*	51.4	114.5	133 000*	76.0
80.0	24.1	89.9	82 200*	31.7	98.5	98 400*	37.8	104.4	109 800*	43.0	108.4	121 400*	47.6	111.0	124 700*	80.0
84.0	15.2	78.2	76 900*	25.5	91.0	90 600*	32.7	98.6	100 900*	38.5	103.6	111 800*	43.5	107.0	117 200*	84.0
88.0				17.4	80.4	83 800*	26.7	91.4	92 900*	33.5	98.0	102 800*	39.0	102.3	110 300*	88.0
92.0							19.1	81.5	85 900*	27.7	91.0	94 700*	34.1	96.8	103 800*	92.0
96.0							2.2	58.6	78 300*	20.4	81.8	87 500*	28.4	90.0	95 800*	96.0
100.0										7.9	65.0	82 200*	21.3	81.1	88 700*	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

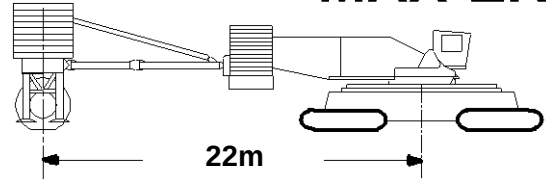
90 720 kg Carbody Counterweight

509 840 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



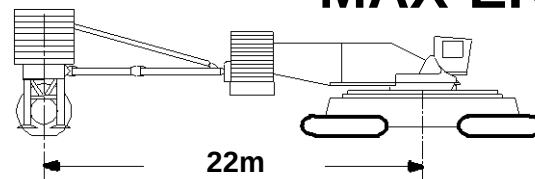
54.9m (180 Ft.) Boom, 85.3m (280 Ft.) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	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	170 200*										44.0
46.0	63.7	134.5	157 300*	67.3	136.0	169 900*										46.0
48.0	62.2	133.4	151 100*	65.8	135.1	166 600*										48.0
50.0	60.6	132.3	145 000*	64.3	134.2	160 900*										50.0
52.0	59.1	131.1	139 000*	62.8	133.1	155 100*										52.0
54.0	57.5	129.8	133 100*	61.3	132.0	149 200*										54.0
56.0	55.9	128.5	127 400*	59.7	130.9	143 300*	63.3	132.4	154 100*							56.0
58.0	54.2	127.0	121 700*	58.1	129.6	137 400*	61.8	131.3	149 300*							58.0
60.0	52.5	125.5	116 300*	56.5	128.3	131 600*	60.3	130.2	144 200*							60.0
62.0	50.8	123.9	111 000*	54.9	126.9	125 900*	58.7	129.0	138 900*							62.0
64.0	49.0	122.2	106 000*	53.2	125.4	120 300*	57.1	127.7	133 500*							64.0
66.0	47.2	120.3	101 100*	51.5	123.9	114 800*	55.5	126.3	128 000*	59.2	127.8	136 600*				66.0
68.0	45.3	118.4	96 400*	49.7	122.2	109 700*	53.8	124.9	122 500*	57.6	126.6	132 300*				68.0
70.0	43.4	116.3	91 900*	47.9	120.4	104 700*	52.1	123.3	117 200*	55.9	125.2	127 700*				70.0
72.0	41.4	114.0	87 600*	46.1	118.5	99 700*	50.4	121.7	112 000*	54.3	123.8	122 800*				72.0
74.0	39.3	111.6	83 500*	44.2	116.4	95 100*	48.6	119.9	107 000*	52.6	122.3	117 900*				74.0
76.0	37.0	109.0	79 600*	42.2	114.2	90 700*	46.7	118.1	102 100*	50.9	120.7	113 100*				76.0
80.0	32.2	103.1	72 300*	37.9	109.4	82 300*	42.9	113.9	92 900*	47.3	117.1	103 500*	51.3	119.1	112 100*	80.0
84.0	26.7	95.8	65 600*	33.2	103.6	74 700*	38.7	109.2	84 500*	43.5	113.1	94 400*	47.7	115.6	103 600*	84.0
88.0	19.6	86.1	59 800*	27.8	96.7	67 800*	34.1	103.6	76 700*	39.4	108.4	86 000*	43.9	111.6	95 000*	88.0
92.0				21.2	87.6	61 700*	28.9	96.9	69 600*	34.8	103.0	78 200*	39.8	107.1	86 800*	92.0
96.0				11.1	73.2	56 800*	22.5	88.3	63 400*	29.7	96.5	71 000*	35.4	101.7	79 100*	96.0
100.0							13.5	75.5	58 100*	23.6	88.3	64 700*	30.3	95.4	72 000*	100.0
104.0										15.2	76.5	59 200*	24.3	87.4	65 600*	104.0
108.0													16.3	76.2	60 100*	108.0

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
509 840 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

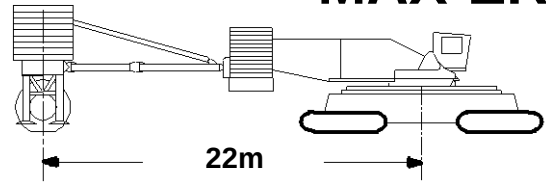
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	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	126 500*										54.0
56.0	58.4	135.8	106 800*	61.9	137.9	121 000*										56.0
58.0	56.9	134.5	101 600*	60.5	136.8	115 500*	63.8	138.2	126 500*							58.0
60.0	55.4	133.1	96 600*	59.0	135.6	110 100*	62.4	137.2	121 600*							60.0
62.0	53.9	131.7	91 800*	57.5	134.3	104 900*	61.0	136.1	116 600*							62.0
64.0	52.3	130.1	87 100*	56.0	133.0	99 700*	59.5	134.9	111 500*							64.0
66.0	50.7	128.5	82 700*	54.5	131.5	94 800*	58.1	133.7	106 500*							66.0
68.0	49.0	126.8	78 400*	52.9	130.0	90 100*	56.6	132.3	101 600*							68.0
70.0	47.3	124.9	74 200*	51.3	128.5	85 500*	55.0	131.0	96 700*	58.5	132.5	106 100*				70.0
72.0	45.6	123.0	70 400*	49.7	126.8	81 100*	53.5	129.5	92 000*	57.0	131.2	101 700*				72.0
74.0	43.8	120.9	66 500*	48.0	125.0	76 800*	51.9	127.9	87 400*	55.5	129.9	97 200*				74.0
76.0	41.9	118.7	62 900*	46.3	123.1	72 700*	50.3	126.3	83 000*	54.0	128.4	92 700*				76.0
80.0	38.0	113.8	56 000*	42.7	118.9	65 000*	46.9	122.7	74 500*	50.8	125.3	84 000*	54.3	126.8	91 800*	80.0
84.0	33.6	108.1	49 800*	38.8	114.2	58 000*	43.3	118.6	66 700*	47.4	121.7	75 700*	51.1	123.7	83 900*	84.0
88.0	28.7	101.4	44 100*	34.5	108.7	51 600*	39.5	113.9	59 600*	43.9	117.7	68 000*	47.8	120.2	76 100*	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	60 800*	44.3	116.3	68 600*	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	54 100*	40.5	111.8	61 400*	96.0
100.0				16.6	82.8	35 800*	25.1	94.5	41 700*	31.3	101.8	48 200*	36.4	106.6	54 900*	100.0
104.0							18.1	84.0	36 900*	26.0	94.3	42 800*	31.9	100.6	48 900*	104.0
108.0							4.6	62.9	33 500*	19.3	84.4	37 800*	26.6	93.3	43 300*	108.0
112.0										8.3	67.3	34 000*	20.2	83.7	38 500*	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
509 840 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			65 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	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	387 000*b													24.0
26.0	61.8	96.2	372 200*b													26.0
28.0	58.1	95.0	358 300*b			c										28.0
30.0	54.2	93.6	344 500*b	64.1	96.2	391 300*b										30.0
32.0	50.2	91.9	322 200*	60.5	95.1	377 900*b										32.0
34.0	45.9	90.0	297 600*	56.8	93.8	364 400*b										34.0
36.0	41.2	87.8	275 100*	52.9	92.3	351 000*	62.7	94.5	344 100*b							36.0
38.0	36.0	85.1	254 900*	48.7	90.5	335 000*	59.1	93.4	324 900*b							38.0
40.0	30.0	81.9	237 100*	44.3	88.5	317 100*	55.3	92.0	307 700*b							40.0
42.0	22.4	77.5	222 300*	39.5	86.2	300 900*	51.3	90.4	292 100*							42.0
44.0	10.0	69.8	194 500*	34.0	83.3	286 100*	47.1	88.6	277 800*	57.4	91.1	269 400*b				44.0
46.0				27.6	79.8	272 500*	42.5	86.5	264 800*	53.6	89.6	256 700*b				46.0
48.0				19.2	74.8	250 600*	37.5	83.9	252 700*	49.5	87.9	245 100*				48.0
50.0							31.7	80.8	241 500*	45.1	86.0	234 400*				50.0
52.0							24.7	76.9	231 000*	40.3	83.7	224 400*	51.4	86.7	217 500*	52.0
54.0							14.6	70.7	219 100*	35.0	81.0	215 100*	47.2	84.8	208 600*	54.0
56.0										28.8	77.5	206 300*	42.6	82.7	200 200*	56.0
58.0										20.8	72.9	198 000*	37.6	80.2	192 400*	58.0
60.0													31.8	77.1	185 000*	60.0
62.0													24.9	73.2	177 900*	62.0
64.0													14.9	67.1	171 100*	64.0

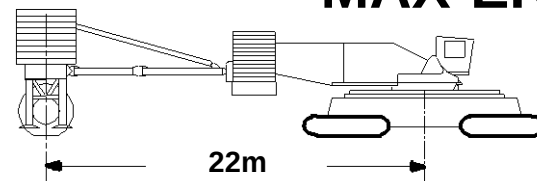
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

**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
509 840 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			65 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	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	366 900*b													24.0
26.0	66.1	103.1	354 800*b													26.0
28.0	63.1	102.1	342 600*b													28.0
30.0	60.0	100.9	329 900*b	68.1	102.9	371 100*b										30.0
32.0	56.8	99.6	309 700*	65.1	102.0	360 800*b										32.0
34.0	53.5	98.2	288 000*	62.1	100.9	349 700*b										34.0
36.0	50.0	96.5	267 800*	58.9	99.7	338 500*										36.0
38.0	46.3	94.6	248 700*	55.7	98.4	327 100*										38.0
40.0	42.4	92.5	231 200*	52.3	96.9	315 800*	60.9	99.3	305 900*b							40.0
42.0	38.1	90.0	215 200*	48.8	95.1	299 900*	57.7	98.0	290 400*							42.0
44.0	33.4	87.1	200 800*	45.0	93.2	285 200*	54.4	96.6	276 300*							44.0
46.0	27.9	83.5	188 200*	41.0	90.9	271 700*	51.0	95.0	263 300*	59.5	97.1	254 900*b				46.0
48.0	21.0	78.8	177 700*	36.6	88.3	259 400*	47.4	93.2	251 400*	56.3	95.7	243 300*				48.0
50.0	10.0	70.9	169 900*	31.6	85.2	247 900*	43.5	91.1	240 300*	52.9	94.2	232 700*				50.0
52.0				25.7	81.3	232 000*	39.3	88.7	230 100*	49.4	92.5	222 800*				52.0
54.0				18.1	76.0	215 300*	34.7	86.0	220 600*	45.7	90.6	213 600*				54.0
56.0							29.5	82.6	211 600*	41.7	88.4	205 100*	51.1	91.3	198 500*	56.0
58.0							23.1	78.3	203 200*	37.3	85.9	197 100*	47.4	89.4	190 800*	58.0
60.0							14.0	71.8	194 600*	32.5	82.9	189 500*	43.6	87.4	183 500*	60.0
62.0										26.8	79.1	182 400*	39.4	85.0	176 700*	62.0
64.0										19.6	74.2	175 600*	34.8	82.2	170 300*	64.0
66.0													29.6	78.9	164 200*	66.0
68.0													23.2	74.6	158 300*	68.0
70.0													14.3	68.2	152 600*	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).**

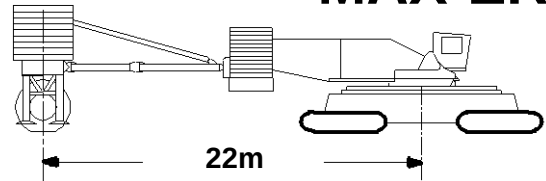
Liftcrane Luffing Jib Capacities

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
509 840 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

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

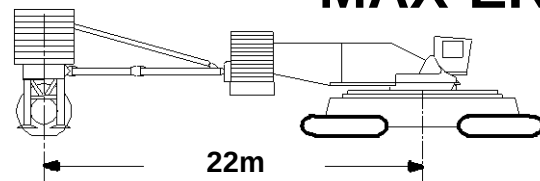
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	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	333 600*													26.0
28.0	66.7	108.9	323 500*													28.0
30.0	64.1	107.9	312 000*													30.0
32.0	61.5	106.8	295 100*	68.4	108.7	338 700*										32.0
34.0	58.7	105.6	277 100*	65.8	107.8	330 400*										34.0
36.0	55.9	104.3	259 600*	63.2	106.8	321 500*										36.0
38.0	52.9	102.8	242 700*	60.5	105.7	312 400*										38.0
40.0	49.9	101.1	226 800*	57.8	104.4	303 100*										40.0
42.0	46.7	99.3	211 800*	54.9	103.0	293 800*	62.2	105.1	289 200*							42.0
44.0	43.3	97.2	197 900*	51.9	101.5	283 900*	59.5	104.0	275 000*							44.0
46.0	39.6	94.8	185 100*	48.8	99.7	270 900*	56.7	102.7	262 100*							46.0
48.0	35.7	92.1	173 400*	45.5	97.8	258 600*	53.8	101.2	250 200*							48.0
50.0	31.3	88.9	162 900*	42.1	95.6	247 300*	50.7	99.6	239 300*	58.2	101.7	231 300*				50.0
52.0	26.2	85.1	153 600*	38.3	93.2	233 600*	47.6	97.8	229 200*	55.4	100.4	221 500*				52.0
54.0	19.9	80.1	145 800*	34.3	90.3	218 500*	44.2	95.8	219 800*	52.4	98.8	212 400*				54.0
56.0	10.0	72.0	140 800*	29.7	87.0	204 400*	40.7	93.5	211 000*	49.3	97.1	204 000*				56.0
58.0				24.3	82.8	191 500*	36.8	90.9	202 800*	46.1	95.2	196 100*	53.8	97.5	189 400*	58.0
60.0				17.2	77.2	180 100*	32.6	87.9	195 000*	42.7	93.1	188 600*	50.8	95.9	182 200*	60.0
62.0							27.7	84.3	187 800*	39.0	90.7	181 700*	47.6	94.1	175 500*	62.0
64.0							21.8	79.7	180 800*	35.0	87.9	175 100*	44.3	92.0	169 200*	64.0
66.0							13.5	72.9	174 000*	30.5	84.7	168 800*	40.8	89.8	163 200*	66.0
68.0										25.2	80.7	162 900*	36.9	87.2	157 600*	68.0
70.0										18.6	75.4	157 200*	32.7	84.2	152 200*	70.0
72.0													27.8	80.6	147 100*	72.0
74.0													22.0	76.0	142 200*	74.0
76.0													13.8	69.3	137 300*	76.0

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
509 840 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			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
24.4	73.5	116.8	310 700* b													24.4
26.0	71.7	116.2	310 500* b													26.0
28.0	69.5	115.5	304 400* b													28.0
30.0	67.2	114.7	290 900*													30.0
32.0	64.9	113.7	277 100*													32.0
34.0	62.5	112.7	262 900*	68.7	114.5	311 500* b										34.0
36.0	60.1	111.5	248 500*	66.4	113.6	304 900*										36.0
38.0	57.7	110.3	234 300*	64.1	112.6	297 700*										38.0
40.0	55.1	108.9	220 400*	61.7	111.5	290 100*										40.0
42.0	52.5	107.4	207 000*	59.3	110.4	282 400*										42.0
44.0	49.8	105.7	194 400*	56.8	109.1	274 700*	63.2	111.0	273 000*							44.0
46.0	46.9	103.9	182 400*	54.2	107.6	266 800*	60.8	109.9	260 200*							46.0
48.0	44.0	101.8	171 300*	51.6	106.1	257 500*	58.4	108.7	248 300*							48.0
50.0	40.8	99.5	161 000*	48.8	104.3	245 900*	55.8	107.3	237 500*							50.0
52.0	37.4	97.0	151 400*	45.9	102.4	232 900*	53.2	105.8	227 400*	59.7	107.7	219 500*				52.0
54.0	33.7	94.1	142 700*	42.9	100.3	219 200*	50.5	104.2	218 100*	57.2	106.4	210 400*				54.0
56.0	29.6	90.7	134 900*	39.7	97.9	205 900*	47.7	102.4	209 400*	54.7	105.0	202 000*				56.0
58.0	24.9	86.6	127 900*	36.2	95.3	193 400*	44.8	100.4	201 200*	52.0	103.4	194 200*				58.0
60.0	19.0	81.4	122 100*	32.4	92.2	181 600*	41.7	98.2	193 600*	49.3	101.7	186 800*				60.0
62.0	10.1	73.1	118 200*	28.1	88.6	170 700*	38.4	95.7	186 400*	46.4	99.9	179 900*	53.3	102.1	173 500*	62.0
64.0				23.1	84.3	160 700*	34.8	92.9	179 700*	43.4	97.8	173 400*	50.6	100.5	167 300*	64.0
66.0				16.5	78.4	151 900*	30.8	89.7	173 300*	40.2	95.5	167 300*	47.8	98.7	161 400*	66.0
68.0							26.3	85.9	167 300*	36.8	92.9	161 500*	44.9	96.7	155 800*	68.0
70.0							20.8	81.0	161 500*	33.0	89.9	156 000*	41.8	94.5	150 500*	70.0
72.0							13.2	74.0	155 000*	28.8	86.4	150 800*	38.4	92.0	145 500*	72.0
74.0										24.0	82.2	145 800*	34.8	89.2	140 800*	74.0
76.0										17.8	76.6	140 900*	30.9	86.0	136 200*	76.0
80.0													20.9	77.3	127 600*	80.0

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

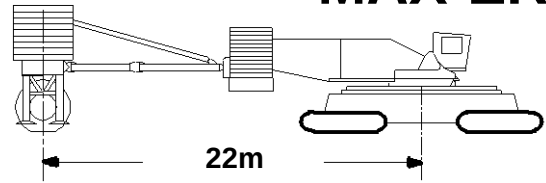
Liftcrane Luffing Jib Capacities

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
509 840 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

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

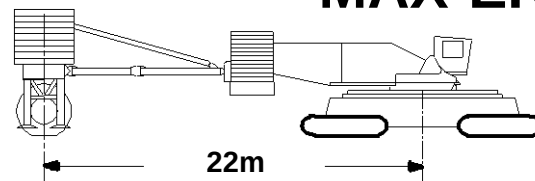
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	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	257 300*													32.0
34.0	65.5	119.5	246 500*													34.0
36.0	63.4	118.5	235 200*	68.9	120.2	280 000*										36.0
38.0	61.3	117.4	223 700*	66.9	119.4	280 000*										38.0
40.0	59.1	116.2	212 100*	64.8	118.4	275 900*										40.0
42.0	56.8	114.9	200 700*	62.7	117.4	269 600*										42.0
44.0	54.5	113.5	189 600*	60.5	116.3	263 300*										44.0
46.0	52.2	112.0	178 900*	58.3	115.1	256 800*	64.0	116.8	258 700*							46.0
48.0	49.7	110.3	168 800*	56.1	113.7	250 200*	61.9	115.8	246 900*							48.0
50.0	47.2	108.5	159 100*	53.7	112.3	240 800*	59.7	114.6	236 000*							50.0
52.0	44.5	106.5	150 100*	51.3	110.7	228 800*	57.5	113.3	226 000*							52.0
54.0	41.7	104.3	141 600*	48.8	108.9	217 000*	55.2	111.9	216 700*							54.0
56.0	38.7	101.8	133 800*	46.3	107.1	205 400*	52.8	110.4	208 000*	58.7	112.4	200 500*				56.0
58.0	35.5	99.1	126 500*	43.6	105.0	194 100*	50.4	108.8	200 000*	56.4	111.0	192 700*				58.0
60.0	32.1	96.0	119 900*	40.7	102.7	183 200*	47.9	107.0	192 400*	54.1	109.6	185 400*				60.0
62.0	28.2	92.4	113 800*	37.7	100.1	172 800*	45.2	105.1	185 300*	51.7	108.0	178 500*				62.0
64.0	23.8	88.1	108 400*	34.4	97.3	162 900*	42.5	102.9	178 600*	49.3	106.3	172 100*				64.0
66.0	18.3	82.6	103 900*	30.8	94.1	153 700*	39.6	100.5	172 300*	46.7	104.5	166 000*	52.9	106.7	159 900*	66.0
68.0	10.1	74.1	101 000*	26.8	90.3	145 100*	36.4	97.9	166 300*	44.0	102.4	160 300*	50.4	105.1	154 300*	68.0
70.0				22.1	85.7	137 200*	33.1	94.9	160 700*	41.2	100.2	154 900*	47.9	103.3	149 100*	70.0
72.0				16.0	79.5	130 200*	29.3	91.4	155 400*	38.2	97.7	149 700*	45.3	101.3	144 200*	72.0
74.0							25.1	87.4	150 200*	35.0	94.9	144 900*	42.5	99.2	139 500*	74.0
76.0							19.9	82.3	145 300*	31.4	91.7	140 200*	39.6	96.8	135 000*	76.0
80.0										22.9	83.6	131 500*	33.1	91.2	126 700*	80.0
84.0													25.2	83.7	119 000*	84.0
88.0													13.1	71.5	111 700*	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
509 840 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			65 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	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	210 800*													38.0
40.0	62.2	123.3	201 600*	67.2	125.2	243 500*										40.0
42.0	60.2	122.2	192 200*	65.4	124.2	243 500*										42.0
44.0	58.2	120.9	183 000*	63.5	123.2	243 000*										44.0
46.0	56.1	119.6	173 800*	61.5	122.2	238 200*										46.0
48.0	54.0	118.2	164 800*	59.5	121.0	232 500*										48.0
50.0	51.9	116.6	156 200*	57.5	119.7	226 600*	62.7	121.6	233 400*							50.0
52.0	49.6	114.9	147 900*	55.4	118.4	220 200*	60.8	120.5	224 000*							52.0
54.0	47.3	113.1	140 100*	53.3	116.9	210 900*	58.8	119.3	214 700*							54.0
56.0	44.9	111.1	132 700*	51.1	115.3	201 400*	56.7	118.0	206 100*							56.0
58.0	42.4	108.9	125 700*	48.9	113.5	191 900*	54.6	116.6	198 100*	59.9	118.3	190 600*				58.0
60.0	39.8	106.6	119 200*	46.5	111.7	182 400*	52.5	115.0	190 500*	57.8	117.0	183 300*				60.0
62.0	37.0	104.0	113 100*	44.1	109.6	173 100*	50.3	113.4	183 500*	55.8	115.7	176 500*				62.0
64.0	33.9	101.1	107 400*	41.5	107.4	164 100*	48.0	111.6	176 800*	53.7	114.2	170 100*				64.0
66.0	30.7	97.8	102 200*	38.8	105.0	155 400*	45.6	109.7	170 600*	51.5	112.7	164 100*				66.0
68.0	27.0	94.0	97 500*	35.9	102.3	147 200*	43.1	107.6	164 700*	49.2	110.9	158 400*				68.0
70.0	22.8	89.6	93 300*	32.9	99.2	139 400*	40.5	105.3	159 100*	46.9	109.1	153 000*	52.5	111.3	147 000*	70.0
72.0	17.7	83.9	89 900*	29.5	95.8	132 000*	37.7	102.7	153 800*	44.5	107.1	147 900*	50.3	109.6	142 100*	72.0
74.0	10.1	75.2	87 500*	25.7	91.8	125 100*	34.8	99.9	148 800*	42.0	104.9	143 100*	48.0	107.9	137 500*	74.0
76.0				21.2	87.0	118 800*	31.6	96.7	144 000*	39.3	102.5	138 500*	45.6	105.9	133 100*	76.0
80.0							24.0	88.9	135 100*	33.4	96.9	130 000*	40.6	101.5	124 900*	80.0
84.0							12.7	76.2	126 000*	26.3	89.7	122 100*	34.9	96.2	117 400*	84.0
88.0										16.6	79.0	114 800*	28.1	89.4	110 500*	88.0
92.0													19.3	80.0	104 000*	92.0

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

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 42.7m Mast No. 81

224 390 kg Crane Counterweight

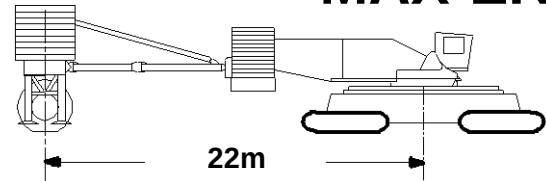
90 720 kg Carbody Counterweight

509 840 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



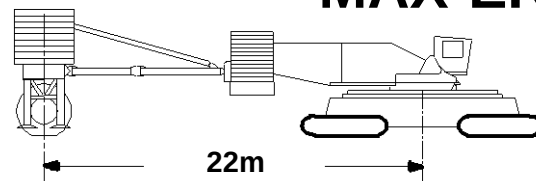
61.0m (200 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	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	211 600*										40.0
42.0	62.9	129.1	182 500*	67.5	130.9	211 600*										42.0
44.0	61.1	128.0	175 000*	65.8	130.0	211 600*										44.0
46.0	59.3	126.9	167 500*	64.1	129.1	211 600*										46.0
48.0	57.5	125.6	159 900*	62.3	128.0	210 000*										48.0
50.0	55.6	124.2	152 500*	60.5	126.9	205 000*										50.0
52.0	53.6	122.8	145 300*	58.7	125.7	199 200*	63.4	127.4	207 300*							52.0
54.0	51.6	121.2	138 300*	56.8	124.4	193 200*	61.6	126.4	204 400*							54.0
56.0	49.6	119.5	131 500*	54.9	123.0	187 000*	59.8	125.2	200 600*							56.0
58.0	47.5	117.7	125 000*	53.0	121.5	180 700*	58.0	124.0	195 800*							58.0
60.0	45.3	115.7	118 900*	50.9	119.9	174 500*	56.1	122.6	189 000*							60.0
62.0	43.0	113.6	113 100*	48.9	118.1	168 300*	54.2	121.2	181 900*	59.0	123.0	174 800*				62.0
64.0	40.6	111.3	107 700*	46.7	116.3	162 100*	52.2	119.7	175 200*	57.1	121.7	168 300*				64.0
66.0	38.1	108.8	102 500*	44.5	114.3	156 000*	50.2	118.0	169 000*	55.2	120.3	162 400*				66.0
68.0	35.4	106.0	97 800*	42.2	112.1	148 800*	48.1	116.2	163 200*	53.3	118.8	156 700*				68.0
70.0	32.6	103.0	93 300*	39.8	109.7	141 600*	45.9	114.3	157 600*	51.3	117.3	151 400*				70.0
72.0	29.5	99.6	89 200*	37.2	107.1	134 600*	43.6	112.2	152 400*	49.2	115.5	146 300*	54.2	117.4	140 400*	72.0
74.0	26.0	95.6	85 500*	34.5	104.3	128 000*	41.3	110.0	147 400*	47.1	113.7	141 500*	52.2	115.9	135 800*	74.0
76.0	22.0	91.0	82 200*	31.5	101.1	121 700*	38.8	107.5	142 700*	44.9	111.7	137 000*	50.2	114.2	131 400*	76.0
80.0	10.1	76.3	77 700*	24.7	93.4	110 300*	33.4	101.9	133 900*	40.2	107.2	128 500*	45.9	110.6	123 200*	80.0
84.0				15.1	81.8	100 700*	27.0	94.8	124 900*	34.9	101.9	120 800*	41.3	106.2	115 800*	84.0
88.0							18.6	84.9	116 800*	28.9	95.3	113 700*	36.2	101.1	109 000*	88.0
92.0										21.3	86.4	107 100*	30.4	94.8	102 800*	92.0
96.0										8.2	70.3	100 700*	23.3	86.7	96 900*	96.0
100.0													12.6	73.7	91 300*	100.0

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
509 840 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			65 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	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	183 400*										42.0
44.0	63.6	135.0	164 700*	67.8	136.7	183 400*										44.0
46.0	61.9	133.9	158 700*	66.2	135.8	183 400*										46.0
48.0	60.3	132.8	152 500*	64.6	134.9	183 400*										48.0
50.0	58.6	131.6	146 300*	63.0	133.9	181 100*										50.0
52.0	56.8	130.3	140 200*	61.4	132.8	175 900*										52.0
54.0	55.1	128.9	134 200*	59.7	131.6	170 200*	64.0	133.3	179 000*							54.0
56.0	53.3	127.4	128 300*	58.0	130.4	164 300*	62.4	132.2	175 500*							56.0
58.0	51.4	125.8	122 500*	56.2	129.0	158 300*	60.7	131.1	171 400*							58.0
60.0	49.5	124.1	116 900*	54.5	127.6	152 400*	59.0	129.9	166 700*							60.0
62.0	47.6	122.3	111 600*	52.7	126.1	146 500*	57.3	128.6	161 600*							62.0
64.0	45.6	120.4	106 400*	50.8	124.5	140 700*	55.6	127.3	156 200*	60.0	128.9	162 000*				64.0
66.0	43.5	118.3	101 600*	48.9	122.7	135 000*	53.8	125.8	150 700*	58.3	127.7	159 100*				66.0
68.0	41.3	116.0	97 000*	46.9	120.9	129 500*	51.9	124.3	145 100*	56.5	126.4	154 900*				68.0
70.0	39.0	113.6	92 600*	44.9	118.9	124 200*	50.1	122.6	139 500*	54.8	125.0	149 400*				70.0
72.0	36.6	110.9	88 500*	42.8	116.8	119 100*	48.1	120.8	134 100*	53.0	123.5	144 400*				72.0
74.0	34.1	108.1	84 700*	40.5	114.5	114 100*	46.1	118.9	128 700*	51.1	121.9	139 600*				74.0
76.0	31.4	104.8	81 200*	38.2	112.0	109 400*	44.1	116.9	123 500*	49.2	120.1	135 100*	53.8	122.1	129 300*	76.0
80.0	25.1	97.2	74 900*	33.2	106.2	100 500*	39.7	112.3	113 500*	45.2	116.3	126 400*	50.1	118.8	121 200*	80.0
84.0	16.7	86.3	70 000*	27.3	99.2	92 500*	34.8	106.9	104 400*	40.9	112.0	116 700*	46.2	115.2	113 800*	84.0
88.0				19.9	89.7	85 500*	29.2	100.3	96 000*	36.2	106.8	107 500*	42.0	110.9	107 100*	88.0
92.0							22.4	91.8	88 600*	30.9	100.6	98 900*	37.4	106.0	101 000*	92.0
96.0							12.3	78.4	82 600*	24.5	92.7	91 300*	32.2	100.1	95 300*	96.0
100.0										15.8	81.4	84 800*	26.1	92.7	90 000*	100.0
104.0													18.2	82.5	84 900*	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

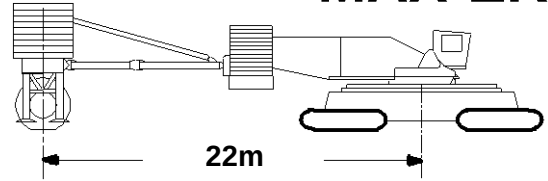
90 720 kg Carbody Counterweight

509 840 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



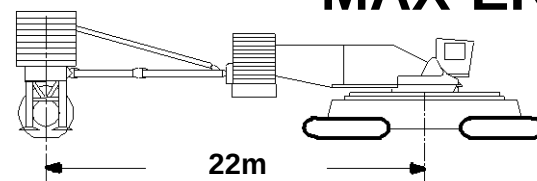
61.0m (200 Ft.) Boom, 85.3m (280 Ft.) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	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	160 500*										46.0
48.0	62.6	139.8	144 000*	66.6	141.6	160 500*										48.0
50.0	61.1	138.7	139 100*	65.1	140.7	157 600*										50.0
52.0	59.5	137.5	134 100*	63.6	139.7	152 200*										52.0
54.0	57.9	136.2	129 100*	62.1	138.6	146 800*										54.0
56.0	56.3	134.9	124 000*	60.5	137.5	141 300*										56.0
58.0	54.7	133.5	119 000*	59.0	136.3	135 800*	63.0	138.1	147 200*							58.0
60.0	53.0	132.0	114 100*	57.4	135.0	130 300*	61.5	137.0	142 800*							60.0
62.0	51.3	130.4	109 000*	55.7	133.7	124 900*	59.9	135.8	138 200*							62.0
64.0	49.5	128.7	104 200*	54.1	132.2	119 500*	58.3	134.6	133 100*							64.0
66.0	47.7	126.9	99 500*	52.4	130.7	114 300*	56.7	133.3	128 100*							66.0
68.0	45.8	125.0	95 000*	50.7	129.1	109 200*	55.1	131.9	122 900*	59.2	133.6	131 700*				68.0
70.0	43.9	122.9	90 700*	48.9	127.3	104 400*	53.4	130.4	117 800*	57.6	132.4	127 900*				70.0
72.0	41.9	120.7	86 500*	47.1	125.5	99 600*	51.7	128.9	112 800*	56.0	131.0	123 700*				72.0
74.0	39.8	118.3	82 500*	45.2	123.5	95 100*	50.0	127.2	108 000*	54.4	129.6	119 200*				74.0
76.0	37.6	115.8	78 700*	43.2	121.4	90 700*	48.2	125.4	103 200*	52.7	128.1	114 700*				76.0
80.0	32.9	110.0	71 500*	39.1	116.7	82 500*	44.4	121.5	94 100*	49.2	124.7	105 600*	53.5	126.7	113 500*	80.0
84.0	27.5	102.9	65 000*	34.5	111.3	75 000*	40.4	117.0	85 700*	45.5	121.0	96 700*	50.0	123.4	106 000*	84.0
88.0	20.7	93.7	59 300*	29.4	104.7	68 100*	36.0	111.8	77 900*	41.5	116.7	88 200*	46.4	119.8	97 900*	88.0
92.0	10.1	78.4	54 600*	23.1	96.3	62 000*	31.0	105.6	70 800*	37.3	111.7	80 400*	42.5	115.6	89 800*	92.0
96.0				14.5	84.1	56 800*	25.2	97.9	64 400*	32.5	105.8	73 100*	38.3	110.8	82 100*	96.0
100.0							17.6	87.3	58 900*	26.9	98.6	66 600*	33.6	105.1	74 900*	100.0
104.0										20.0	89.0	60 800*	28.3	98.3	68 300*	104.0
108.0										8.6	72.5	56 200*	21.8	89.5	62 300*	108.0
112.0													12.3	75.9	57 400*	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
509 840 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

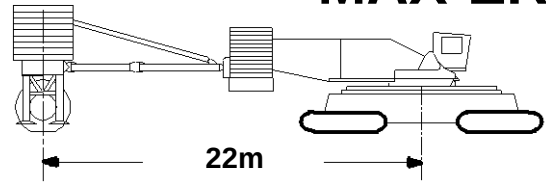
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	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	137 900*										50.0
52.0	61.7	144.5	118 000*	65.5	146.5	133 200*										52.0
54.0	60.3	143.4	112 600*	64.1	145.5	128 000*										54.0
56.0	58.8	142.2	107 500*	62.7	144.5	122 700*										56.0
58.0	57.3	140.9	102 300*	61.2	143.4	117 600*	64.9	144.9	127 800*							58.0
60.0	55.8	139.6	97 400*	59.8	142.2	112 300*	63.5	143.9	123 600*							60.0
62.0	54.3	138.1	92 600*	58.3	141.0	107 100*	62.1	142.8	119 200*							62.0
64.0	52.7	136.6	88 000*	56.8	139.7	102 000*	60.7	141.7	114 500*							64.0
66.0	51.1	135.0	83 600*	55.3	138.3	97 100*	59.2	140.5	109 800*							66.0
68.0	49.5	133.3	79 300*	53.8	136.9	92 400*	57.8	139.3	104 900*							68.0
70.0	47.8	131.5	75 200*	52.2	135.3	87 800*	56.2	137.9	100 200*							70.0
72.0	46.0	129.6	71 200*	50.6	133.7	83 300*	54.7	136.5	95 500*	58.6	138.3	105 300*				72.0
74.0	44.3	127.6	67 500*	48.9	131.9	79 000*	53.2	135.0	90 900*	57.1	137.0	101 200*				74.0
76.0	42.4	125.4	63 800*	47.2	130.1	74 900*	51.6	133.5	86 400*	55.6	135.7	96 900*				76.0
80.0	38.5	120.6	56 900*	43.6	126.1	67 000*	48.2	130.0	77 800*	52.4	132.7	88 400*				80.0
84.0	34.2	115.0	50 600*	39.8	121.5	59 900*	44.8	126.1	69 900*	49.2	129.3	79 900*	53.2	131.3	88 300*	84.0
88.0	29.4	108.4	44 900*	35.7	116.2	53 300*	41.0	121.7	62 500*	45.7	125.6	72 000*	50.0	128.0	80 900*	88.0
92.0	23.6	100.2	39 600*	31.0	110.0	47 300*	37.0	116.7	55 700*	42.1	121.3	64 500*	46.6	124.4	73 300*	92.0
96.0	16.0	88.6	35 100*	25.6	102.3	41 900*	32.5	110.8	49 500*	38.1	116.5	57 700*	43.0	120.3	66 000*	96.0
100.0				18.8	92.2	37 000*	27.4	103.7	43 900*	33.8	110.8	51 400*	39.1	115.6	59 200*	100.0
104.0							21.1	94.5	38 800*	28.9	104.1	45 600*	34.9	110.1	52 800*	104.0
108.0							12.0	80.5	34 600*	23.0	95.7	40 400*	30.1	103.7	47 000*	108.0
112.0										15.1	83.7	35 900*	24.5	95.7	41 700*	112.0
116.0													17.3	84.9	37 000*	116.0

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
509 840 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			65 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	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	346 000*b													26.0
28.0	59.1	101.4	332 700*b													28.0
30.0	55.3	100.0	317 600*b													30.0
32.0	51.3	98.5	295 300*	62.4	101.7	353 000*b										32.0
34.0	47.0	96.6	273 600*	58.8	100.5	340 700*b										34.0
36.0	42.5	94.5	253 500*	55.0	99.1	328 400*b										36.0
38.0	37.4	92.0	235 400*	51.0	97.5	316 500*	62.0	100.2	320 800*b							38.0
40.0	31.7	88.9	219 400*	46.7	95.6	305 000*	58.3	99.0	303 900*b							40.0
42.0	24.6	84.9	205 800*	42.1	93.5	293 800*	54.5	97.6	288 400*b							42.0
44.0	14.5	78.7	196 100*	37.0	90.9	283 600*	50.5	95.9	274 400*							44.0
46.0				31.2	87.8	270 100*	46.1	94.0	261 500*	57.6	96.9	252 300*b				46.0
48.0				24.0	83.7	252 800*	41.5	91.8	249 600*	53.7	95.4	240 900*b				48.0
50.0				13.3	77.2	220 300*	36.3	89.2	238 500*	49.6	93.8	230 300*				50.0
52.0							30.4	86.0	228 300*	45.3	91.8	220 500*				52.0
54.0							23.0	81.7	218 600*	40.5	89.5	211 400*	52.6	92.7	203 900*b	54.0
56.0							11.2	74.5	209 100*	35.2	86.8	202 900*	48.4	90.9	195 700*	56.0
58.0										29.1	83.4	194 800*	44.0	88.9	188 100*	58.0
60.0										21.2	78.8	187 100*	39.1	86.5	180 900*	60.0
62.0													33.6	83.6	174 100*	62.0
64.0													27.1	80.0	167 700*	64.0
66.0													18.4	74.8	161 400*	66.0

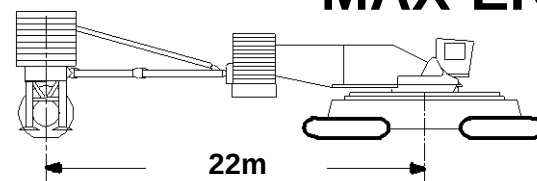
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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
509 840 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			65 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	Jib Ang. Deg.	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	326 600*b													26.0
28.0	63.9	108.4	315 300*b													28.0
30.0	60.9	107.3	302 400*b													30.0
32.0	57.7	106.1	283 400*	66.7	108.5	333 400*b										32.0
34.0	54.4	104.7	264 300*	63.7	107.5	323 500*b										34.0
36.0	51.0	103.0	246 100*	60.6	106.4	313 300*b										36.0
38.0	47.3	101.2	229 200*	57.4	105.1	303 200*										38.0
40.0	43.5	99.2	213 400*	54.1	103.7	293 200*	63.3	106.0	302 000*b							40.0
42.0	39.3	96.8	199 000*	50.7	102.1	283 400*	60.2	104.9	286 600*b							42.0
44.0	34.7	94.0	186 100*	47.0	100.3	274 000*	57.0	103.6	272 700*							44.0
46.0	29.4	90.6	174 600*	43.2	98.2	264 400*	53.7	102.2	259 900*							46.0
48.0	23.0	86.3	164 900*	39.0	95.8	251 500*	50.2	100.5	248 100*							48.0
50.0	13.9	79.8	157 900*	34.3	92.9	234 200*	46.6	98.7	237 200*	56.4	101.5	228 500*				50.0
52.0				29.0	89.5	218 900*	42.7	96.5	227 200*	53.1	100.0	218 800*				52.0
54.0				22.5	85.1	205 100*	38.4	94.1	217 700*	49.5	98.4	209 700*				54.0
56.0				12.9	78.2	191 200*	33.7	91.2	209 000*	45.8	96.4	201 400*				56.0
58.0							28.2	87.7	200 700*	41.9	94.3	193 500*	52.1	97.3	186 200*	58.0
60.0							21.5	83.1	192 900*	37.5	91.7	186 200*	48.5	95.5	179 200*	60.0
62.0							11.1	75.6	185 100*	32.7	88.7	179 200*	44.7	93.5	172 500*	62.0
64.0										27.1	85.1	172 600*	40.7	91.3	166 300*	64.0
66.0										19.9	80.1	166 300*	36.2	88.6	160 400*	66.0
68.0													31.2	85.5	154 800*	68.0
70.0													25.2	81.5	149 400*	70.0
72.0													17.4	76.0	144 100*	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).**

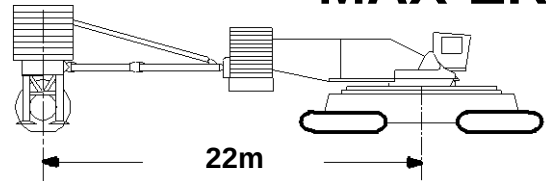
Liftcrane Luffing Jib Capacities

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
509 840 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

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			65 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	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	310 000*b													26.0
28.0	67.4	115.2	299 900*b													28.0
30.0	64.8	114.2	285 800*b													30.0
32.0	62.2	113.2	269 600*	69.8	115.1	315 400*b										32.0
34.0	59.4	112.0	253 700*	67.2	114.3	308 000*b										34.0
36.0	56.6	110.7	238 000*	64.6	113.3	299 800*b										36.0
38.0	53.7	109.3	222 900*	62.0	112.3	291 500*										38.0
40.0	50.7	107.6	208 600*	59.2	111.1	282 900*										40.0
42.0	47.5	105.8	195 100*	56.4	109.8	274 400*										42.0
44.0	44.2	103.8	182 500*	53.5	108.3	265 900*	61.6	110.8	271 400*							44.0
46.0	40.6	101.5	171 000*	50.5	106.7	257 700*	58.9	109.6	258 600*							46.0
48.0	36.8	98.9	160 400*	47.3	104.9	248 200*	56.1	108.3	246 900*							48.0
50.0	32.5	95.9	150 900*	43.9	102.8	233 600*	53.1	106.8	236 100*							50.0
52.0	27.7	92.3	142 400*	40.4	100.5	218 900*	50.1	105.1	226 100*	58.3	107.5	217 300*				52.0
54.0	21.8	87.7	135 300*	36.5	97.9	205 100*	46.9	103.3	216 800*	55.5	106.2	208 400*				54.0
56.0	13.4	80.9	130 100*	32.2	94.8	192 300*	43.5	101.2	208 100*	52.5	104.6	200 100*				56.0
58.0				27.2	91.1	180 500*	39.9	98.9	200 000*	49.5	102.9	192 300*				58.0
60.0				21.2	86.4	169 900*	36.0	96.2	192 400*	46.2	101.1	185 100*				60.0
62.0				12.6	79.3	161 100*	31.6	93.1	185 300*	42.8	98.9	178 200*	51.7	101.9	171 200*	62.0
64.0							26.6	89.3	178 500*	39.1	96.5	171 800*	48.6	100.1	165 000*	64.0
66.0							20.4	84.4	172 000*	35.1	93.8	165 700*	45.3	98.2	159 200*	66.0
68.0							11.0	76.6	165 600*	30.7	90.5	159 900*	41.8	96.0	153 700*	68.0
70.0										25.5	86.6	154 400*	38.0	93.5	148 500*	70.0
72.0										18.9	81.4	149 100*	33.9	90.6	143 600*	72.0
74.0													29.3	87.2	138 800*	74.0
76.0													23.8	83.0	134 300*	76.0

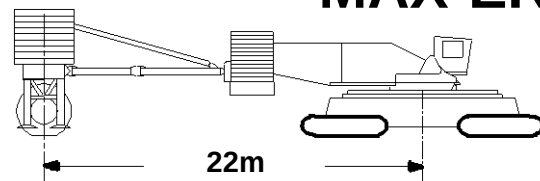
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
509 840 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			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
24.4	74.1	123.0	282 100*													24.4
26.0	72.3	122.5	282 000*													26.0
28.0	70.1	121.8	278 100*													28.0
30.0	67.8	121.0	265 800*													30.0
32.0	65.5	120.1	253 400*													32.0
34.0	63.2	119.0	240 600*													34.0
36.0	60.8	117.9	227 700*	67.6	120.1	284 000*										36.0
38.0	58.3	116.7	214 900*	65.3	119.1	277 500*										38.0
40.0	55.8	115.4	202 300*	63.0	118.1	270 600*										40.0
42.0	53.2	113.9	190 300*	60.6	117.0	263 400*										42.0
44.0	50.5	112.2	178 800*	58.1	115.8	256 200*										44.0
46.0	47.7	110.4	168 000*	55.6	114.4	248 900*	62.7	116.7	256 600*							46.0
48.0	44.8	108.5	158 000*	53.0	112.9	241 300*	60.3	115.5	244 900*							48.0
50.0	41.7	106.3	148 600*	50.3	111.3	230 100*	57.8	114.3	234 100*							50.0
52.0	38.3	103.8	139 900*	47.5	109.5	217 100*	55.3	112.9	224 200*							52.0
54.0	34.7	101.0	132 000*	44.5	107.5	204 600*	52.7	111.4	215 000*							54.0
56.0	30.8	97.7	124 900*	41.4	105.2	192 700*	50.0	109.7	206 400*	57.3	112.2	198 100*				56.0
58.0	26.2	93.9	118 500*	38.1	102.7	181 400*	47.1	107.9	198 400*	54.8	110.8	190 400*				58.0
60.0	20.7	89.0	113 100*	34.4	99.9	170 600*	44.2	105.9	190 900*	52.2	109.2	183 100*				60.0
62.0	13.1	82.0	109 100*	30.4	96.6	160 600*	41.0	103.6	183 800*	49.4	107.5	176 400*				62.0
64.0				25.8	92.7	151 400*	37.6	101.1	177 100*	46.6	105.7	170 000*	54.1	108.0	162 900*	64.0
66.0				20.3	87.8	143 100*	34.0	98.2	170 900*	43.6	103.6	164 000*	51.4	106.5	157 200*	66.0
68.0				12.3	80.4	136 100*	29.9	94.8	165 000*	40.4	101.3	158 300*	48.6	104.7	151 700*	68.0
70.0							25.2	90.8	159 300*	36.9	98.7	152 900*	45.7	102.8	146 600*	70.0
72.0							19.4	85.7	153 900*	33.2	95.7	147 800*	42.7	100.7	141 800*	72.0
74.0							10.9	77.7	148 400*	29.0	92.3	143 000*	39.4	98.3	137 100*	74.0
76.0										24.2	88.1	138 300*	35.9	95.6	132 700*	76.0
80.0													27.7	88.9	124 400*	80.0
84.0													15.9	78.3	116 700*	84.0

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

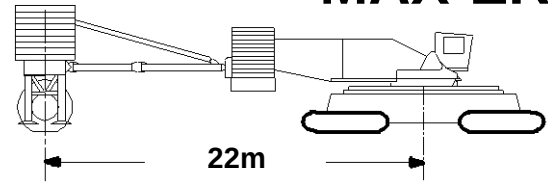
Liftcrane Luffing Jib Capacities

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
509 840 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

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

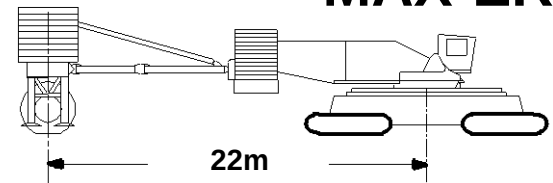
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	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	259 300*										38.0
40.0	59.7	122.6	194 900*	65.9	124.9	254 300*										40.0
42.0	57.4	121.4	184 500*	63.8	124.0	248 700*										42.0
44.0	55.2	120.0	174 400*	61.7	122.9	242 900*										44.0
46.0	52.8	118.5	164 700*	59.5	121.7	236 900*										46.0
48.0	50.4	116.8	155 500*	57.3	120.4	230 900*	63.5	122.5	243 400*							48.0
50.0	47.8	115.1	146 700*	55.0	119.0	223 100*	61.4	121.4	232 600*							50.0
52.0	45.2	113.1	138 400*	52.6	117.5	212 600*	59.2	120.2	222 700*							52.0
54.0	42.4	110.9	130 700*	50.2	115.9	202 000*	57.0	118.9	213 600*							54.0
56.0	39.5	108.6	123 600*	47.6	114.1	191 600*	54.7	117.5	205 000*							56.0
58.0	36.4	105.9	116 900*	45.0	112.1	181 300*	52.3	116.0	197 100*	58.8	118.1	188 800*				58.0
60.0	33.0	102.9	110 900*	42.2	109.9	171 400*	49.9	114.3	189 600*	56.5	116.8	181 600*				60.0
62.0	29.3	99.5	105 400*	39.3	107.5	161 900*	47.3	112.5	182 600*	54.2	115.4	174 900*				62.0
64.0	25.0	95.4	100 500*	36.2	104.9	152 900*	44.7	110.5	176 000*	51.8	113.8	168 600*				64.0
66.0	19.9	90.3	96 300*	32.7	101.8	144 400*	41.9	108.3	169 800*	49.4	112.1	162 600*				66.0
68.0	12.8	83.1	93 200*	29.0	98.4	136 500*	38.9	105.9	163 900*	46.8	110.3	157 000*	53.6	112.7	150 200*	68.0
70.0				24.7	94.2	129 200*	35.7	103.2	158 400*	44.1	108.3	151 700*	51.1	111.1	145 100*	70.0
72.0				19.4	89.0	122 700*	32.3	100.1	153 100*	41.3	106.0	146 700*	48.7	109.3	140 300*	72.0
74.0				12.1	81.5	117 100*	28.5	96.5	148 100*	38.3	103.5	141 900*	46.1	107.4	135 700*	74.0
76.0							24.1	92.3	143 300*	35.1	100.8	137 300*	43.3	105.3	131 400*	76.0
80.0							10.8	78.8	132 800*	27.7	93.9	128 800*	37.4	100.5	123 300*	80.0
84.0										17.4	83.8	120 900*	30.5	94.3	115 800*	84.0
88.0													21.7	85.8	108 900*	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
509 840 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			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
27.4	74.3	134.8	216 400*													27.4
28.0	73.8	134.7	216 400*													28.0
30.0	72.0	134.0	216 400*													30.0
32.0	70.2	133.3	216 400*													32.0
34.0	68.4	132.5	210 000*													34.0
36.0	66.5	131.6	202 000*													36.0
38.0	64.6	130.7	193 700*													38.0
40.0	62.7	129.7	185 200*	68.2	131.6	224 600*										40.0
42.0	60.7	128.5	176 600*	66.4	130.7	224 600*										42.0
44.0	58.7	127.3	168 100*	64.5	129.8	224 600*										44.0
46.0	56.7	126.0	159 700*	62.5	128.7	224 100*										46.0
48.0	54.6	124.6	151 500*	60.6	127.6	219 900*										48.0
50.0	52.5	123.1	143 600*	58.6	126.4	212 100*										50.0
52.0	50.2	121.4	136 100*	56.5	125.1	204 100*	62.3	127.3	220 700*							52.0
54.0	48.0	119.7	128 900*	54.4	123.7	195 700*	60.3	126.1	211 500*							54.0
56.0	45.6	117.7	122 100*	52.3	122.1	187 200*	58.3	124.9	203 000*							56.0
58.0	43.1	115.6	115 700*	50.1	120.5	178 500*	56.3	123.6	195 100*							58.0
60.0	40.5	113.3	109 800*	47.8	118.7	169 900*	54.2	122.1	187 700*							60.0
62.0	37.7	110.8	104 200*	45.4	116.7	161 400*	52.0	120.6	180 700*	57.9	122.8	172 800*				62.0
64.0	34.8	107.9	99 000*	42.9	114.6	153 200*	49.8	118.9	174 200*	55.9	121.5	166 500*				64.0
66.0	31.6	104.8	94 300*	40.3	112.3	145 200*	47.5	117.1	168 000*	53.8	120.0	160 600*				66.0
68.0	28.0	101.2	90 000*	37.5	109.7	137 700*	45.1	115.1	162 200*	51.6	118.4	155 000*				68.0
70.0	24.0	96.9	86 200*	34.5	106.9	130 500*	42.6	113.0	156 700*	49.3	116.7	149 800*				70.0
72.0	19.2	91.6	82 900*	31.3	103.7	123 700*	39.9	110.6	151 500*	47.0	114.9	144 800*	53.1	117.3	138 200*	72.0
74.0	12.6	84.2	80 600*	27.7	100.0	117 400*	37.1	108.0	146 600*	44.6	112.9	140 000*	51.0	115.7	133 600*	74.0
76.0				23.7	95.7	111 600*	34.1	105.2	141 800*	42.1	110.7	135 600*	48.7	113.9	129 300*	76.0
80.0				11.9	82.6	101 900*	27.3	98.2	133 100*	36.6	105.7	127 200*	43.9	110.0	121 300*	80.0
84.0							18.0	88.2	124 900*	30.2	99.4	119 500*	38.6	105.3	114 000*	84.0
88.0										22.2	91.0	112 400*	32.6	99.5	107 300*	88.0
92.0													25.4	92.0	101 100*	92.0
96.0													15.0	80.6	95 200*	96.0

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

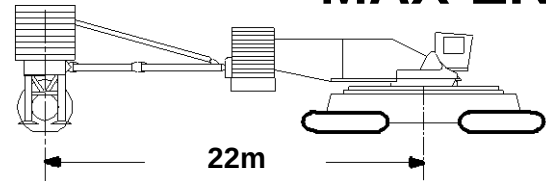
Liftcrane Luffing Jib Capacities

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
509 840 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

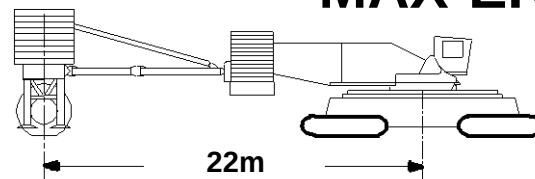
67.1m (220 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	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	198 600*										42.0
44.0	61.6	134.4	161 000*	66.7	136.5	198 600*										44.0
46.0	59.8	133.3	154 000*	65.0	135.6	198 600*										46.0
48.0	58.0	132.0	147 000*	63.3	134.6	198 600*										48.0
50.0	56.1	130.7	140 200*	61.5	133.5	198 100*										50.0
52.0	54.1	129.2	133 600*	59.7	132.3	193 100*	64.8	134.1	196 800*							52.0
54.0	52.2	127.7	127 100*	57.8	131.1	187 100*	63.0	133.1	196 800*							54.0
56.0	50.1	126.0	120 900*	55.9	129.7	180 600*	61.3	132.0	196 800*							56.0
58.0	48.0	124.3	115 000*	54.0	128.3	173 700*	59.4	130.8	193 500*							58.0
60.0	45.9	122.3	109 300*	52.0	126.7	166 700*	57.6	129.6	186 000*							60.0
62.0	43.6	120.3	104 000*	50.0	125.1	159 600*	55.7	128.2	179 100*							62.0
64.0	41.3	118.0	99 000*	47.9	123.3	152 500*	53.8	126.8	172 500*	59.1	128.8	164 700*				64.0
66.0	38.8	115.6	94 300*	45.7	121.4	145 500*	51.8	125.2	166 400*	57.2	127.5	158 800*				66.0
68.0	36.2	112.9	89 900*	43.4	119.3	138 700*	49.7	123.5	160 600*	55.3	126.1	153 300*				68.0
70.0	33.3	109.9	85 900*	41.1	117.0	132 000*	47.6	121.7	155 100*	53.4	124.6	148 000*				70.0
72.0	30.3	106.6	82 200*	38.6	114.5	125 700*	45.4	119.8	150 000*	51.4	123.1	143 100*				72.0
74.0	27.0	102.8	78 700*	35.9	111.8	119 600*	43.1	117.7	145 100*	49.3	121.3	138 400*				74.0
76.0	23.1	98.4	75 700*	33.1	108.8	113 800*	40.8	115.4	140 400*	47.2	119.5	133 900*	52.8	121.9	127 600*	76.0
80.0	12.4	85.2	71 400*	26.7	101.6	103 300*	35.6	110.1	131 700*	42.7	115.4	125 600*	48.7	118.5	119 600*	80.0
84.0				18.2	91.6	94 300*	29.7	103.7	123 800*	37.8	110.5	118 100*	44.3	114.6	112 400*	84.0
88.0							22.3	95.2	116 500*	32.2	104.6	111 100*	39.6	110.0	105 800*	88.0
92.0							10.7	80.9	103 500*	25.5	97.1	104 700*	34.3	104.6	99 700*	92.0
96.0										16.4	86.2	98 700*	28.1	97.7	94 000*	96.0
100.0													20.1	88.5	88 700*	100.0

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
509 840 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			65 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	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	172 500*										44.0
46.0	62.4	140.3	146 200*	67.1	142.3	172 500*										46.0
48.0	60.7	139.2	140 400*	65.5	141.4	172 500*										48.0
50.0	59.0	138.0	134 600*	63.9	140.4	172 500*										50.0
52.0	57.3	136.7	128 900*	62.2	139.4	172 400*										52.0
54.0	55.6	135.3	123 300*	60.6	138.2	170 700*										54.0
56.0	53.8	133.9	117 800*	58.9	137.0	165 000*	63.7	138.9	171 600*							56.0
58.0	51.9	132.3	112 500*	57.2	135.8	159 500*	62.0	137.9	170 700*							58.0
60.0	50.0	130.6	107 300*	55.4	134.4	153 800*	60.4	136.8	167 100*							60.0
62.0	48.1	128.9	102 400*	53.6	132.9	148 200*	58.7	135.5	162 900*							62.0
64.0	46.1	127.0	97 700*	51.8	131.3	142 600*	56.9	134.2	158 300*							64.0
66.0	44.0	124.9	93 200*	49.9	129.7	137 100*	55.2	132.9	153 400*							66.0
68.0	41.9	122.7	89 000*	48.0	127.9	131 700*	53.4	131.4	148 200*	58.3	133.5	151 200*				68.0
70.0	39.6	120.3	85 000*	46.0	126.0	126 400*	51.6	129.8	142 900*	56.6	132.1	146 000*				70.0
72.0	37.3	117.7	81 300*	43.9	123.9	121 300*	49.7	128.1	137 700*	54.8	130.7	141 000*				72.0
74.0	34.8	114.9	77 800*	41.7	121.7	116 400*	47.7	126.3	132 300*	53.0	129.3	136 400*				74.0
76.0	32.1	111.8	74 500*	39.5	119.3	111 700*	45.7	124.4	127 200*	51.2	127.7	131 900*				76.0
80.0	26.0	104.4	68 800*	34.6	113.9	102 700*	41.4	120.1	117 200*	47.3	124.1	123 700*	52.5	126.5	117 500*	80.0
84.0	18.0	94.1	64 300*	29.0	107.2	94 500*	36.8	115.0	107 900*	43.2	120.1	116 200*	48.7	123.1	110 400*	84.0
88.0				22.1	98.5	87 000*	31.5	109.0	99 300*	38.7	115.3	109 400*	44.7	119.3	103 800*	88.0
92.0				11.6	84.7	80 600*	25.3	101.3	91 500*	33.7	109.7	103 000*	40.4	114.8	97 800*	92.0
96.0							17.0	90.6	84 800*	28.0	102.8	95 200*	35.6	109.5	92 300*	96.0
100.0										20.8	93.7	88 100*	30.2	103.2	87 100*	100.0
104.0													23.6	95.0	82 200*	104.0
108.0													14.3	82.9	77 600*	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

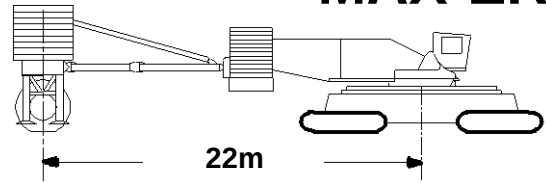
90 720 kg Carbody Counterweight

509 840 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



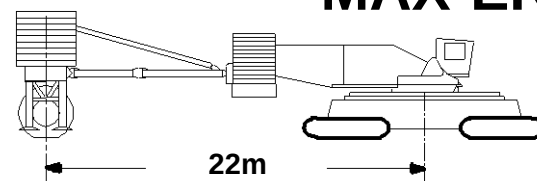
67.1m (220 Ft.) Boom, 85.3m (280 Ft.) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	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	151 400*										46.0
48.0	63.0	146.1	132 900*	67.3	148.1	151 400*										48.0
50.0	61.5	145.0	128 300*	65.9	147.2	151 400*										50.0
52.0	59.9	143.9	123 600*	64.4	146.2	151 200*										52.0
54.0	58.3	142.7	118 800*	62.9	145.2	147 500*										54.0
56.0	56.7	141.3	114 100*	61.3	144.1	142 400*										56.0
58.0	55.1	140.0	109 400*	59.8	143.0	137 200*	64.2	144.8	147 000*							58.0
60.0	53.4	138.5	104 800*	58.2	141.7	132 000*	62.7	143.7	143 600*							60.0
62.0	51.7	136.9	100 400*	56.6	140.4	126 700*	61.1	142.6	139 600*							62.0
64.0	50.0	135.2	96 200*	55.0	139.0	121 500*	59.6	141.5	135 400*							64.0
66.0	48.2	133.5	92 000*	53.3	137.5	116 400*	58.0	140.2	130 900*							66.0
68.0	46.3	131.6	88 000*	51.6	136.0	111 400*	56.4	138.9	126 100*							68.0
70.0	44.4	129.6	84 200*	49.8	134.3	106 600*	54.8	137.5	121 100*							70.0
72.0	42.4	127.4	80 600*	48.0	132.5	101 900*	53.1	136.0	116 200*	57.7	138.1	126 000*				72.0
74.0	40.4	125.1	77 200*	46.2	130.6	97 300*	51.4	134.4	111 400*	56.1	136.8	122 300*				74.0
76.0	38.2	122.6	74 000*	44.3	128.6	92 900*	49.6	132.7	106 600*	54.4	135.4	118 300*				76.0
80.0	33.6	116.9	68 100*	40.2	124.0	84 600*	45.9	129.0	97 500*	51.0	132.3	109 700*				80.0
84.0	28.2	110.0	63 000*	35.8	118.8	76 900*	42.0	124.8	88 900*	47.4	128.7	100 900*	52.3	131.1	108 700*	84.0
88.0	21.7	101.2	58 800*	30.8	112.5	69 900*	37.8	119.9	81 000*	43.6	124.7	92 500*	48.8	127.7	102 200*	88.0
92.0	12.1	87.4	55 200*	24.9	104.8	63 600*	33.1	114.1	73 600*	39.5	120.1	84 400*	45.0	123.9	94 800*	92.0
96.0				17.2	94.0	58 100*	27.6	107.1	67 000*	35.0	114.7	76 900*	41.0	119.5	87 000*	96.0
100.0							20.9	97.9	61 100*	29.9	108.3	70 000*	36.7	114.4	79 600*	100.0
104.0							10.6	83.1	56 300*	23.9	100.1	63 800*	31.8	108.4	72 600*	104.0
108.0										15.6	88.6	58 400*	26.2	101.0	66 200*	108.0
112.0													19.0	91.0	60 600*	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
509 840 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

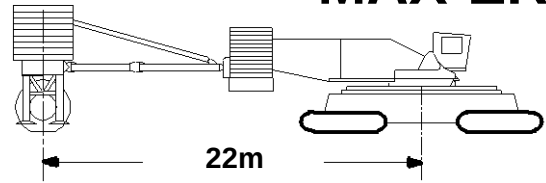
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	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	131 900*										52.0
54.0	60.7	149.8	112 800*	64.8	152.0	129 100*										54.0
56.0	59.2	148.6	108 000*	63.4	151.0	124 000*										56.0
58.0	57.7	147.3	103 000*	62.0	150.0	119 000*										58.0
60.0	56.2	146.0	98 100*	60.6	148.8	114 000*	64.6	150.6	124 500*							60.0
62.0	54.7	144.6	93 400*	59.1	147.7	109 100*	63.2	149.6	120 700*							62.0
64.0	53.1	143.1	88 900*	57.6	146.4	104 200*	61.8	148.5	116 700*							64.0
66.0	51.5	141.5	84 400*	56.1	145.1	99 200*	60.4	147.4	112 400*							66.0
68.0	49.9	139.8	80 100*	54.6	143.6	94 500*	58.9	146.2	107 900*							68.0
70.0	48.2	138.1	76 000*	53.0	142.1	90 000*	57.4	144.9	103 300*							70.0
72.0	46.5	136.2	72 100*	51.4	140.6	85 500*	55.9	143.5	98 700*							72.0
74.0	44.7	134.2	68 300*	49.8	138.9	81 100*	54.4	142.1	94 200*	58.6	144.1	103 900*				74.0
76.0	42.9	132.1	64 700*	48.1	137.1	77 000*	52.8	140.6	89 700*	57.1	142.8	100 200*				76.0
80.0	39.0	127.3	57 700*	44.6	133.2	69 000*	49.6	137.3	81 100*	54.1	140.0	92 200*				80.0
84.0	34.8	121.9	51 400*	40.9	128.8	61 700*	46.2	133.6	72 900*	50.9	136.9	84 100*				84.0
88.0	30.0	115.4	45 600*	36.8	123.7	55 000*	42.5	129.4	65 400*	47.6	133.3	76 100*	52.1	135.7	85 000*	88.0
92.0	24.4	107.5	40 300*	32.3	117.7	48 900*	38.6	124.7	58 400*	44.0	129.4	68 500*	48.8	132.3	77 900*	92.0
96.0	17.2	96.6	35 600*	27.2	110.5	43 300*	34.3	119.1	52 000*	40.2	124.8	61 300*	45.3	128.5	70 600*	96.0
100.0				20.8	101.3	38 300*	29.5	112.5	46 200*	36.1	119.6	54 700*	41.6	124.2	63 600*	100.0
104.0				11.4	86.9	34 100*	23.8	104.3	40 900*	31.5	113.5	48 600*	37.6	119.3	57 000*	104.0
108.0							16.2	93.0	36 200*	26.2	106.1	43 100*	33.2	113.5	50 800*	108.0
112.0										19.6	96.3	38 200*	28.2	106.6	45 200*	112.0
116.0													22.2	97.9	40 100*	116.0
120.0													13.8	85.1	35 700*	120.0

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
509 840 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			65 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	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	323 000*b													26.0
28.0	60.1	107.8	310 700*b													28.0
30.0	56.3	106.5	294 400*b													30.0
32.0	52.4	105.0	273 400*b	64.3	108.2	331 000*b										32.0
34.0	48.2	103.2	254 300*	60.7	107.1	319 800*b										34.0
36.0	43.7	101.2	236 500*	57.0	105.8	308 600*b										36.0
38.0	38.8	98.8	220 300*	53.1	104.4	297 600*b										38.0
40.0	33.3	95.8	205 900*	49.0	102.7	286 900*	61.2	105.8	300 200*b							40.0
42.0	26.7	92.1	193 400*	44.6	100.7	276 500*	57.5	104.6	285 000*b							42.0
44.0	17.8	86.8	183 900*	39.8	98.3	266 700*	53.7	103.1	271 100*b							44.0
46.0				34.4	95.5	256 700*	49.6	101.4	258 400*							46.0
48.0				28.0	92.0	240 000*	45.2	99.5	246 600*	57.8	102.7	236 900*b				48.0
50.0				19.8	87.1	225 600*	40.4	97.2	235 800*	53.9	101.2	226 400*b				50.0
52.0							35.1	94.5	225 700*	49.8	99.6	216 800*				52.0
54.0							29.0	91.1	216 200*	45.5	97.6	207 900*				54.0
56.0							21.1	86.5	207 200*	40.7	95.4	199 500*				56.0
58.0										35.5	92.7	191 700*	49.7	97.0	184 000*	58.0
60.0										29.4	89.3	184 300*	45.3	95.0	177 000*	60.0
62.0										21.6	84.8	177 200*	40.5	92.8	170 400*	62.0
64.0										7.8	76.2	170 000*	35.3	90.0	164 200*	64.0
66.0													29.1	86.6	158 200*	66.0
68.0													21.3	82.1	152 500*	68.0
70.0													6.5	72.9	146 400*	70.0

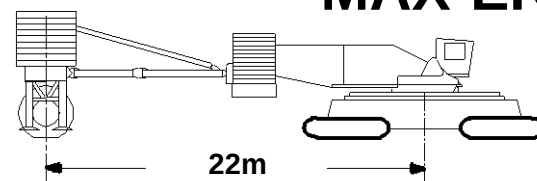
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
509 840 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			65 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	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	294 000*b													28.0
30.0	61.7	113.7	279 000*b													30.0
32.0	58.5	112.5	261 500*b	68.2	115.0	311 800*b										32.0
34.0	55.3	111.1	244 800*	65.3	114.1	303 300*b										34.0
36.0	51.9	109.6	228 700*	62.3	113.0	294 000*b										36.0
38.0	48.3	107.8	213 600*	59.1	111.8	284 600*b										38.0
40.0	44.5	105.8	199 500*	55.9	110.5	275 400*										40.0
42.0	40.4	103.5	186 500*	52.5	109.0	266 300*	62.7	111.7	283 100*b							42.0
44.0	36.0	100.9	174 800*	49.0	107.3	257 400*	59.6	110.5	269 200*b							44.0
46.0	30.9	97.7	164 300*	45.2	105.3	248 700*	56.3	109.2	256 600*							46.0
48.0	24.9	93.7	155 300*	41.2	103.1	237 600*	53.0	107.7	245 000*							48.0
50.0	16.8	88.0	148 300*	36.8	100.5	222 000*	49.5	106.0	234 200*							50.0
52.0				31.9	97.4	208 100*	45.8	104.1	224 300*	56.5	107.3	214 900*				52.0
54.0				26.1	93.6	195 500*	41.8	101.9	215 000*	53.2	105.8	206 000*				54.0
56.0				18.6	88.4	184 400*	37.4	99.4	206 400*	49.7	104.2	197 800*				56.0
58.0							32.6	96.4	198 300*	46.0	102.3	190 100*				58.0
60.0							27.0	92.7	190 700*	42.0	100.1	182 900*	53.1	103.2	175 000*	60.0
62.0							19.8	87.8	183 300*	37.7	97.6	176 100*	49.6	101.6	168 600*	62.0
64.0							6.8	78.3	176 000*	32.9	94.6	169 700*	45.8	99.7	162 500*	64.0
66.0										27.3	91.0	163 600*	41.9	97.5	156 700*	66.0
68.0										20.3	86.1	157 700*	37.5	94.9	151 300*	68.0
70.0										8.2	77.4	151 700*	32.7	92.0	146 000*	70.0
72.0													27.1	88.3	141 100*	72.0
74.0													20.0	83.4	136 300*	74.0
76.0													7.3	74.2	131 100*	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).

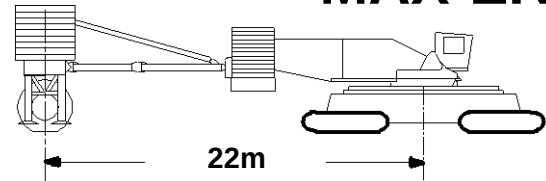
Liftcrane Luffing Jib Capacities

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
509 840 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			65 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	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	287 900*b										34.0
36.0	57.4	117.2	220 400*	66.0	119.9	280 800*b										36.0
38.0	54.5	115.7	207 000*	63.4	118.9	273 000*b										38.0
40.0	51.5	114.2	194 200*	60.7	117.7	265 300*										40.0
42.0	48.4	112.4	182 100*	57.9	116.5	257 300*										42.0
44.0	45.1	110.5	170 800*	55.1	115.1	249 500*										44.0
46.0	41.6	108.2	160 300*	52.1	113.6	241 800*	61.1	116.4	255 200*							46.0
48.0	37.8	105.7	150 700*	49.0	111.9	232 900*	58.3	115.2	243 700*							48.0
50.0	33.7	102.8	142 000*	45.7	109.9	219 900*	55.4	113.9	233 000*							50.0
52.0	29.0	99.4	134 300*	42.3	107.8	206 800*	52.5	112.3	223 100*							52.0
54.0	23.5	95.1	127 600*	38.6	105.3	194 400*	49.4	110.6	213 900*	58.5	113.3	204 600*				54.0
56.0	16.1	89.2	122 500*	34.5	102.5	182 800*	46.2	108.8	205 400*	55.6	111.9	196 400*				56.0
58.0				29.9	99.2	172 000*	42.8	106.6	197 400*	52.7	110.4	188 800*				58.0
60.0				24.6	95.1	162 200*	39.1	104.2	189 900*	49.6	108.8	181 700*				60.0
62.0				17.7	89.6	153 600*	35.1	101.5	182 900*	46.4	106.9	175 000*				62.0
64.0				2.6	76.9	147 400*	30.6	98.2	176 200*	43.0	104.8	168 700*	52.6	107.9	161 000*	64.0
66.0							25.4	94.3	169 900*	39.3	102.4	162 700*	49.5	106.2	155 400*	66.0
68.0							18.8	89.0	163 800*	35.3	99.6	157 000*	46.3	104.3	150 000*	68.0
70.0							7.4	79.5	157 700*	30.9	96.4	151 700*	42.8	102.2	144 900*	70.0
72.0										25.7	92.5	146 600*	39.2	99.8	140 100*	72.0
74.0										19.2	87.4	141 600*	35.2	97.0	135 500*	74.0
76.0										8.6	78.5	136 500*	30.7	93.8	131 100*	76.0
80.0													18.9	84.6	122 700*	80.0

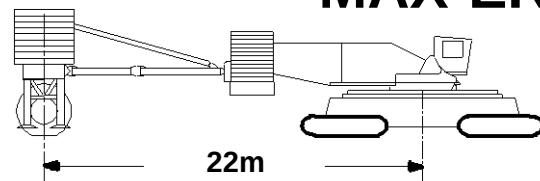
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
509 840 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			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
24.4																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	262 500* ^b										36.0
38.0	59.0	123.1	199 100*	66.6	125.6	256 800* ^b										38.0
40.0	56.5	121.8	188 000*	64.2	124.7	250 600*										40.0
42.0	53.9	120.4	177 200*	61.9	123.6	244 100*										42.0
44.0	51.2	118.8	166 900*	59.4	122.4	237 500*										44.0
46.0	48.5	117.0	157 100*	57.0	121.2	230 900*	64.5	123.4	251 000*							46.0
48.0	45.6	115.1	148 000*	54.4	119.7	224 300*	62.2	122.3	241 900*							48.0
50.0	42.5	112.9	139 400*	51.8	118.2	215 400*	59.8	121.2	231 000*							50.0
52.0	39.2	110.5	131 500*	49.0	116.5	204 000*	57.3	119.9	221 200*							52.0
54.0	35.7	107.8	124 300*	46.1	114.6	192 900*	54.7	118.5	212 100*							54.0
56.0	31.9	104.7	117 700*	43.1	112.5	182 100*	52.1	116.9	203 600*							56.0
58.0	27.5	101.0	111 800*	39.9	110.1	171 900*	49.4	115.2	195 700*	57.4	118.0	186 700*				58.0
60.0	22.3	96.5	106 800*	36.4	107.5	162 100*	46.5	113.4	188 300*	54.9	116.6	179 600*				60.0
62.0	15.5	90.3	102 900*	32.6	104.4	153 000*	43.5	111.3	181 300*	52.3	115.0	173 000*				62.0
64.0				28.4	100.9	144 500*	40.3	109.0	174 700*	49.5	113.4	166 700*				64.0
66.0				23.4	96.6	136 800*	36.9	106.4	168 600*	46.7	111.5	160 900*				66.0
68.0				17.0	90.8	130 000*	33.1	103.4	162 700*	43.7	109.4	155 300*	52.2	112.5	147 900*	68.0
70.0				4.7	79.2	133 300*	29.0	99.9	157 200*	40.5	107.1	150 000*	49.4	110.8	142 900*	70.0
72.0							24.1	95.7	151 800*	37.1	104.5	145 000*	46.6	108.9	138 200*	72.0
74.0							18.0	90.2	146 700*	33.4	101.6	140 300*	43.6	106.8	133 600*	74.0
76.0							7.8	80.7	141 500*	29.2	98.2	135 700*	40.4	104.5	129 300*	76.0
80.0										18.4	88.6	127 100*	33.2	99.0	121 300*	80.0
84.0													24.2	91.3	113 900*	84.0
88.0													8.1	76.5	106 500*	88.0

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

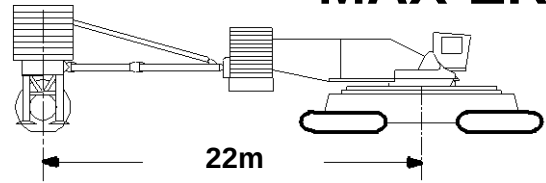
**Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).**

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
509 840 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

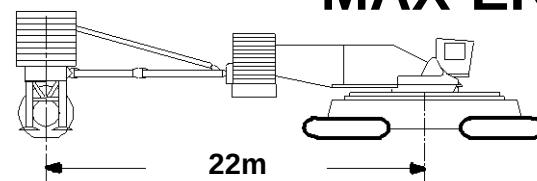
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	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	238 200*										40.0
42.0	58.0	127.8	171 200*	64.9	130.5	232 800*										42.0
44.0	55.8	126.4	162 100*	62.8	129.5	227 500*										44.0
46.0	53.4	125.0	153 400*	60.7	128.4	221 900*										46.0
48.0	51.0	123.4	145 000*	58.4	127.1	216 000*										48.0
50.0	48.5	121.6	137 000*	56.2	125.8	207 900*	63.1	128.2	228 600*							50.0
52.0	45.9	119.7	129 500*	53.9	124.4	198 500*	60.9	127.1	219 700*							52.0
54.0	43.2	117.6	122 400*	51.5	122.8	189 200*	58.7	125.9	210 600*							54.0
56.0	40.3	115.3	115 900*	49.0	121.1	179 800*	56.5	124.5	202 100*							56.0
58.0	37.3	112.7	109 800*	46.4	119.2	170 600*	54.2	123.1	194 300*							58.0
60.0	33.9	109.8	104 200*	43.7	117.1	161 700*	51.8	121.5	186 900*	58.9	123.9	178 000*				60.0
62.0	30.3	106.5	99 200*	40.9	114.8	153 100*	49.3	119.8	180 000*	56.6	122.6	171 400*				62.0
64.0	26.2	102.6	94 600*	37.8	112.3	144 900*	46.8	118.0	173 500*	54.3	121.2	165 200*				64.0
66.0	21.4	97.9	90 700*	34.6	109.5	137 200*	44.1	115.9	167 400*	51.9	119.6	159 400*				66.0
68.0	15.0	91.5	87 700*	31.0	106.3	129 900*	41.3	113.7	161 600*	49.5	118.0	153 900*				68.0
70.0				27.0	102.5	123 200*	38.3	111.2	156 100*	46.9	116.1	148 700*				70.0
72.0				22.4	98.0	117 100*	35.0	108.4	151 000*	44.2	114.1	143 700*	51.9	117.1	136 600*	72.0
74.0				16.4	92.0	111 700*	31.5	105.3	146 000*	41.4	111.8	139 000*	49.4	115.4	132 100*	74.0
76.0				5.7	80.7	117 000*	27.6	101.6	141 300*	38.4	109.4	134 600*	46.8	113.5	127 900*	76.0
80.0							17.3	91.5	132 300*	31.7	103.5	126 300*	41.3	109.2	120 000*	80.0
84.0										23.3	95.5	118 600*	35.1	104.0	112 800*	84.0
88.0										8.9	80.7	111 100*	27.7	97.2	106 100*	88.0
92.0													17.5	87.1	99 800*	92.0

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
509 840 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			65 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	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	208 800*										40.0
42.0	61.3	134.9	163 700*	67.3	137.2	208 800*										42.0
44.0	59.3	133.7	155 900*	65.5	136.3	208 800*										44.0
46.0	57.2	132.5	148 300*	63.6	135.3	208 200*										46.0
48.0	55.2	131.1	140 900*	61.6	134.2	203 600*										48.0
50.0	53.0	129.6	133 800*	59.6	133.1	196 900*										50.0
52.0	50.8	128.0	126 800*	57.6	131.8	189 900*	63.8	134.0	211 500*							52.0
54.0	48.6	126.2	120 300*	55.6	130.4	182 500*	61.9	132.9	207 900*							54.0
56.0	46.2	124.3	114 100*	53.4	129.0	174 900*	59.9	131.8	200 300*							56.0
58.0	43.8	122.3	108 200*	51.3	127.4	167 200*	57.9	130.5	192 300*							58.0
60.0	41.2	120.0	102 800*	49.0	125.7	159 400*	55.8	129.2	184 900*							60.0
62.0	38.5	117.5	97 600*	46.7	123.8	151 800*	53.7	127.7	178 000*							62.0
64.0	35.6	114.8	92 900*	44.2	121.8	144 300*	51.5	126.1	171 600*	58.0	128.6	163 000*				64.0
66.0	32.4	111.7	88 600*	41.7	119.5	137 100*	49.3	124.4	165 500*	56.0	127.3	157 300*				66.0
68.0	29.0	108.2	84 600*	39.0	117.1	130 200*	47.0	122.6	159 800*	53.9	125.8	151 800*				68.0
70.0	25.1	104.2	81 100*	36.1	114.4	123 700*	44.6	120.6	154 400*	51.7	124.2	146 600*				70.0
72.0	20.6	99.2	78 000*	33.0	111.4	117 500*	42.0	118.4	149 200*	49.4	122.6	141 700*				72.0
74.0	14.6	92.6	75 700*	29.7	108.0	111 600*	39.4	116.0	144 400*	47.1	120.7	137 100*	53.8	123.2	129 900*	74.0
76.0				25.9	104.1	106 200*	36.5	113.4	139 700*	44.7	118.7	132 700*	51.6	121.7	125 700*	76.0
80.0				15.9	93.1	97 000*	30.1	107.1	131 100*	39.5	114.2	124 500*	47.0	118.1	117 900*	80.0
84.0							22.1	98.6	123 100*	33.7	108.6	117 000*	42.1	113.9	110 800*	84.0
88.0							8.3	83.0	115 400*	26.7	101.5	110 100*	36.6	108.9	104 300*	88.0
92.0										17.1	91.1	103 600*	30.2	102.6	98 300*	92.0
96.0													22.2	94.2	92 700*	96.0
100.0													8.6	78.8	87 000*	100.0

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

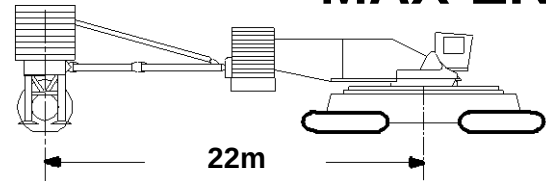
Liftcrane Luffing Jib Capacities

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
509 840 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

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

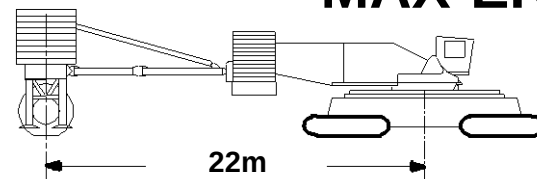
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	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	185 100*										44.0
46.0	60.3	139.7	142 900*	65.9	142.1	185 100*										46.0
48.0	58.5	138.4	136 400*	64.2	141.1	185 100*										48.0
50.0	56.6	137.1	130 200*	62.4	140.1	183 900*										50.0
52.0	54.7	135.7	124 200*	60.6	139.0	179 400*										52.0
54.0	52.7	134.2	118 300*	58.8	137.8	174 000*	64.4	139.8	184 200*							54.0
56.0	50.7	132.6	112 600*	56.9	136.5	168 200*	62.7	138.8	184 200*							56.0
58.0	48.6	130.8	107 200*	55.0	135.1	162 100*	60.9	137.7	184 200*							58.0
60.0	46.5	128.9	102 000*	53.1	133.6	155 800*	59.0	136.5	182 600*							60.0
62.0	44.2	126.9	97 100*	51.1	132.0	149 400*	57.2	135.2	176 500*							62.0
64.0	41.9	124.7	92 500*	49.0	130.3	143 000*	55.3	133.8	169 900*							64.0
66.0	39.4	122.3	88 200*	46.9	128.4	136 600*	53.3	132.3	163 900*	59.2	134.6	155 500*				66.0
68.0	36.9	119.7	84 200*	44.6	126.4	130 400*	51.3	130.7	158 200*	57.3	133.3	150 000*				68.0
70.0	34.1	116.8	80 400*	42.3	124.2	124 400*	49.3	129.0	152 800*	55.4	131.9	144 900*				70.0
72.0	31.1	113.6	77 000*	39.9	121.9	118 600*	47.1	127.2	147 700*	53.5	130.4	140 000*				72.0
74.0	27.9	109.9	73 900*	37.4	119.3	113 000*	44.9	125.2	142 800*	51.5	128.9	135 400*				74.0
76.0	24.2	105.7	71 100*	34.6	116.5	107 700*	42.6	123.1	138 200*	49.4	127.2	131 000*				76.0
80.0	14.3	93.7	66 900*	28.5	109.7	98 100*	37.7	118.2	129 700*	45.1	123.3	122 900*	51.4	126.3	116 200*	80.0
84.0				20.8	100.7	89 700*	32.1	112.3	121 900*	40.4	118.9	115 500*	47.2	122.7	109 100*	84.0
88.0				6.8	83.3	85 400*	25.4	104.8	114 700*	35.2	113.6	108 700*	42.7	118.6	102 700*	88.0
92.0							16.3	93.8	108 000*	29.2	107.0	102 400*	37.8	113.7	96 800*	92.0
96.0										21.6	98.3	96 600*	32.2	107.8	91 300*	96.0
100.0										9.2	82.9	90 800*	25.5	100.3	86 100*	100.0
104.0													16.4	89.5	81 200*	104.0

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
509 840 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			65 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	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	161 400*										46.0
48.0	61.1	145.5	130 500*	66.3	147.9	161 400*										48.0
50.0	59.5	144.4	125 200*	64.7	146.9	161 400*										50.0
52.0	57.8	143.1	119 900*	63.1	145.9	161 400*										52.0
54.0	56.0	141.8	114 700*	61.5	144.8	161 100*										54.0
56.0	54.2	140.3	109 600*	59.8	143.7	158 600*										56.0
58.0	52.4	138.8	104 800*	58.1	142.4	153 900*	63.3	144.6	161 200*							58.0
60.0	50.6	137.2	100 100*	56.3	141.1	149 200*	61.7	143.5	161 100*							60.0
62.0	48.6	135.4	95 500*	54.6	139.7	144 100*	60.0	142.4	159 400*							62.0
64.0	46.7	133.6	91 200*	52.8	138.2	138 900*	58.3	141.2	155 500*							64.0
66.0	44.6	131.5	87 000*	50.9	136.6	133 600*	56.6	139.8	151 200*							66.0
68.0	42.5	129.4	83 100*	49.0	134.9	128 300*	54.8	138.4	146 600*							68.0
70.0	40.3	127.1	79 500*	47.0	133.0	123 100*	53.0	136.9	141 900*	58.4	139.2	142 700*				70.0
72.0	37.9	124.5	76 000*	45.0	131.0	117 800*	51.2	135.3	137 000*	56.7	137.9	137 900*				72.0
74.0	35.5	121.8	72 800*	42.9	128.9	112 700*	49.3	133.6	132 100*	54.9	136.5	133 300*				74.0
76.0	32.8	118.7	69 800*	40.7	126.6	107 700*	47.3	131.8	127 200*	53.1	135.0	129 000*				76.0
80.0	26.9	111.6	64 500*	35.9	121.4	98 500*	43.2	127.7	117 600*	49.4	131.8	120 900*				80.0
84.0	19.3	101.8	60 300*	30.5	115.1	90 000*	38.7	123.0	108 500*	45.4	128.0	113 500*	51.2	130.9	107 000*	84.0
88.0				24.1	107.1	82 600*	33.7	117.4	99 900*	41.1	123.6	106 800*	47.3	127.3	100 600*	88.0
92.0				15.1	95.4	76 600*	27.9	110.5	92 200*	36.4	118.5	100 700*	43.2	123.3	94 800*	92.0
96.0							20.7	101.3	85 200*	31.1	112.3	94 900*	38.7	118.5	89 400*	96.0
100.0							8.7	85.2	79 800*	24.8	104.6	89 400*	33.8	112.9	84 300*	100.0
104.0										16.2	93.4	83 000*	28.0	106.0	79 700*	104.0
108.0													20.8	96.9	75 200*	108.0
112.0													8.9	81.0	70 700*	112.0

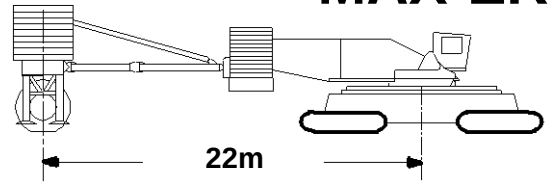
Liftcrane Luffing Jib Capacities

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
 509 840 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

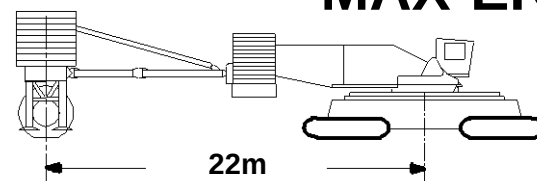
73.2m (240 Ft.) Boom, 85.3m (280 Ft.) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	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	141 500*										48.0
50.0	61.9	151.4	119 100*	66.6	153.7	141 500*										50.0
52.0	60.3	150.3	114 700*	65.2	152.7	141 500*										52.0
54.0	58.8	149.1	110 300*	63.7	151.8	141 500*										54.0
56.0	57.2	147.8	105 900*	62.2	150.7	141 500*										56.0
58.0	55.5	146.4	101 600*	60.6	149.6	137 800*										58.0
60.0	53.9	145.0	97 400*	59.0	148.4	132 900*	63.9	150.4	141 200*							60.0
62.0	52.2	143.4	93 300*	57.5	147.1	128 000*	62.4	149.4	139 600*							62.0
64.0	50.4	141.8	89 300*	55.8	145.8	123 100*	60.8	148.3	136 200*							64.0
66.0	48.7	140.0	85 500*	54.2	144.3	118 100*	59.3	147.1	132 300*							66.0
68.0	46.8	138.2	81 900*	52.5	142.8	113 200*	57.7	145.8	128 200*							68.0
70.0	44.9	136.2	78 400*	50.8	141.2	108 500*	56.1	144.5	123 700*							70.0
72.0	43.0	134.1	75 000*	49.0	139.5	103 800*	54.4	143.1	119 100*	59.4	145.2	125 900*				72.0
74.0	40.9	131.8	71 900*	47.2	137.6	99 300*	52.7	141.6	114 400*	57.8	143.9	123 900*				74.0
76.0	38.8	129.3	68 900*	45.3	135.7	94 900*	51.0	140.0	109 800*	56.2	142.6	120 600*				76.0
80.0	34.2	123.8	63 500*	41.3	131.3	86 500*	47.4	136.4	100 700*	52.8	139.7	113 200*				80.0
84.0	29.0	117.1	58 800*	37.0	126.3	78 800*	43.6	132.4	92 100*	49.3	136.3	104 900*	54.4	138.6	105 300*	84.0
88.0	22.7	108.6	54 900*	32.2	120.3	71 700*	39.5	127.8	84 000*	45.7	132.6	96 600*	51.0	135.5	99 000*	88.0
92.0	13.8	95.9	52 200*	26.6	113.0	65 200*	35.0	122.4	76 500*	41.7	128.3	88 400*	47.5	131.9	93 200*	92.0
96.0				19.6	103.3	59 400*	29.9	115.9	69 600*	37.4	123.4	80 800*	43.6	127.9	87 800*	96.0
100.0							23.8	107.8	63 400*	32.7	117.5	73 600*	39.5	123.3	82 900*	100.0
104.0							15.5	96.2	58 000*	27.2	110.4	67 100*	35.0	117.9	77 100*	104.0
108.0										20.3	101.0	61 200*	29.9	111.5	70 300*	108.0
112.0										9.3	85.1	56 500*	23.9	103.4	64 200*	112.0
116.0													15.6	91.8	58 900*	116.0

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
509 840 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

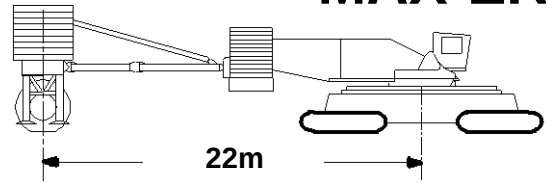
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	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	124 800*										52.0
54.0	61.1	156.1	104 900*	65.6	158.5	124 800*										54.0
56.0	59.6	155.0	101 200*	64.2	157.6	123 900*										56.0
58.0	58.1	153.7	97 500*	62.8	156.5	119 900*										58.0
60.0	56.6	152.4	93 900*	61.3	155.5	115 200*										60.0
62.0	55.1	151.0	90 300*	59.9	154.3	110 500*										62.0
64.0	53.6	149.6	86 800*	58.4	153.1	105 800*	62.9	155.2	117 700*							64.0
66.0	52.0	148.0	83 300*	56.9	151.8	101 100*	61.5	154.2	114 000*							66.0
68.0	50.3	146.4	80 000*	55.4	150.4	96 500*	60.1	153.0	110 100*							68.0
70.0	48.7	144.6	76 700*	53.8	149.0	91 800*	58.6	151.8	105 900*							70.0
72.0	47.0	142.8	72 900*	52.3	147.4	87 500*	57.1	150.5	101 500*							72.0
74.0	45.2	140.8	69 100*	50.6	145.8	83 200*	55.6	149.1	97 200*							74.0
76.0	43.4	138.7	65 500*	49.0	144.1	79 000*	54.1	147.7	92 700*	58.7	149.9	102 300*				76.0
80.0	39.6	134.1	58 600*	45.5	140.3	71 000*	50.9	144.6	84 100*	55.7	147.2	95 500*				80.0
84.0	35.4	128.7	52 200*	41.9	136.0	63 600*	47.5	141.0	76 000*	52.6	144.3	87 800*				84.0
88.0	30.7	122.4	46 300*	37.9	131.1	56 800*	44.0	137.0	68 300*	49.3	140.9	79 900*	54.1	143.2	88 100*	88.0
92.0	25.3	114.7	41 000*	33.6	125.4	50 500*	40.2	132.5	61 100*	45.9	137.2	72 200*	50.9	140.1	81 900*	92.0
96.0	18.3	104.4	36 300*	28.6	118.6	44 800*	36.1	127.3	54 500*	42.2	133.0	64 900*	47.6	136.5	75 000*	96.0
100.0				22.7	110.0	39 600*	31.5	121.2	48 500*	38.3	128.2	58 100*	44.0	132.6	68 000*	100.0
104.0				14.5	97.7	35 100*	26.2	113.7	43 000*	34.0	122.6	51 900*	40.2	128.0	61 300*	104.0
108.0							19.6	103.9	38 000*	29.1	115.9	46 100*	36.1	122.8	54 800*	108.0
112.0							8.9	87.4	34 000*	23.3	107.5	40 800*	31.6	116.7	48 900*	112.0
116.0										15.5	95.8	36 300*	26.3	109.3	43 400*	116.0
120.0													19.7	99.5	38 500*	120.0
124.0													9.1	83.2	34 600*	124.0

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
509 840 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			65 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	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	298 000*b										34.0
36.0	44.9	107.8	219 300*	59.0	112.6	288 000*b										36.0
38.0	40.2	105.5	204 800*	55.2	111.2	277 700*b										38.0
40.0	34.8	102.7	191 600*	51.2	109.6	267 900*b	64.1	112.6	295 900*b							40.0
42.0	28.6	99.3	180 400*	47.0	107.8	258 500*	60.5	111.5	280 800*b							42.0
44.0	20.6	94.6	171 200*	42.4	105.6	249 400*	56.7	110.2	267 100*b							44.0
46.0				37.3	103.1	240 200*	52.8	108.7	254 600*b							46.0
48.0				31.5	100.0	226 300*	48.7	106.9	243 000*b							48.0
50.0				24.5	96.0	212 600*	44.2	104.9	232 400*							50.0
52.0							39.4	102.6	222 400*	54.1	107.0	212 400*b				52.0
54.0							33.9	99.7	213 200*	50.0	105.4	203 700*b				54.0
56.0							27.5	96.1	204 400*	45.7	103.4	195 500*				56.0
58.0							19.0	91.1	196 100*	40.9	101.2	187 800*	54.9	104.6	179 100*b	58.0
60.0										35.7	98.5	180 600*	50.9	103.0	172 300*b	60.0
62.0										29.6	95.2	173 800*	46.6	101.1	165 900*	62.0
64.0										22.0	90.8	167 300*	42.0	99.0	159 900*	64.0
66.0													36.8	96.4	154 100*	66.0
68.0													31.0	93.2	148 700*	68.0
70.0													23.8	89.1	143 400*	70.0

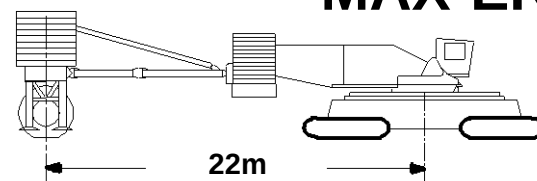
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
509 840 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			65 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	Jib Ang. Deg.	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			c										32.0
34.0	56.2	117.6	225 600*b	66.9	120.6	284 000*b										34.0
36.0	52.8	116.1	211 400*	63.9	119.6	275 800*b										36.0
38.0	49.3	114.4	197 800*	60.8	118.5	267 400*b										38.0
40.0	45.6	112.4	185 200*	57.6	117.2	258 800*b										40.0
42.0	41.6	110.2	173 500*	54.3	115.8	250 300*										42.0
44.0	37.2	107.7	162 800*	50.9	114.2	242 100*	62.0	117.4	265 200*b							44.0
46.0	32.3	104.6	153 300*	47.3	112.4	233 800*	58.9	116.2	252 700*b							46.0
48.0	26.6	100.9	145 000*	43.4	110.3	222 500*	55.6	114.8	241 300*b							48.0
50.0	19.3	95.9	138 300*	39.2	107.9	208 700*	52.3	113.3	230 700*							50.0
52.0				34.6	105.1	196 100*	48.7	111.5	220 900*							52.0
54.0				29.3	101.7	184 500*	45.0	109.6	211 800*	56.7	113.1	201 700*b				54.0
56.0				22.9	97.4	174 100*	40.9	107.3	203 300*	53.3	111.6	193 600*				56.0
58.0							36.5	104.7	195 300*	49.8	110.0	186 100*				58.0
60.0							31.5	101.6	187 800*	46.2	108.1	179 000*				60.0
62.0							25.6	97.7	180 700*	42.2	105.9	172 400*				62.0
64.0							17.9	92.3	173 900*	37.9	103.4	166 100*	50.6	107.6	157 900*	64.0
66.0										33.1	100.5	160 200*	46.9	105.8	152 300*	66.0
68.0										27.6	96.9	154 500*	43.0	103.7	147 000*	68.0
70.0										20.6	92.1	149 000*	38.8	101.2	142 000*	70.0
72.0													34.2	98.4	137 200*	72.0
74.0													28.8	94.9	132 600*	74.0
76.0													22.3	90.5	128 200*	76.0

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

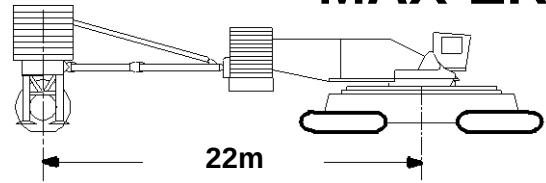
**Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).**

Liftcrane Luffing Jib Capacities

**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
509 840 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			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
24.4																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	259 900* ^b										36.0
38.0	55.3	122.2	191 500*	64.8	125.4	253 200* ^b										38.0
40.0	52.3	120.7	180 000*	62.1	124.4	246 200* ^b										40.0
42.0	49.2	119.0	169 100*	59.4	123.2	239 100*										42.0
44.0	46.0	117.1	158 900*	56.6	121.9	231 800*										44.0
46.0	42.6	114.9	149 300*	53.7	120.4	224 800*	63.2	123.2	247 900* ^b							46.0
48.0	38.9	112.5	140 600*	50.7	118.8	217 100*	60.5	122.1	240 400* ^b							48.0
50.0	34.8	109.7	132 700*	47.5	117.0	205 900*	57.7	120.8	229 300*							50.0
52.0	30.3	106.4	125 500*	44.1	115.0	194 100*	54.8	119.4	219 600*							52.0
54.0	25.1	102.4	119 400*	40.6	112.7	182 900*	51.9	117.9	210 600*							54.0
56.0	18.4	97.1	114 400*	36.7	110.1	172 400*	48.8	116.1	202 200*							56.0
58.0				32.4	107.0	162 600*	45.5	114.2	194 300*	55.7	117.7	184 700*				58.0
60.0				27.6	103.4	153 500*	42.0	112.0	187 000*	52.8	116.2	177 600*				60.0
62.0				21.6	98.8	145 400*	38.3	109.6	180 100*	49.7	114.6	171 100*				62.0
64.0				13.2	91.9	138 700*	34.2	106.7	173 500*	46.5	112.7	164 900*				64.0
66.0							29.6	103.3	167 300*	43.1	110.6	159 100*	53.4	113.8	150 800*	66.0
68.0							24.1	99.2	161 400*	39.5	108.2	153 600*	50.4	112.2	145 600*	68.0
70.0							17.1	93.5	155 700*	35.5	105.5	148 400*	47.2	110.4	140 700*	70.0
72.0										31.1	102.3	143 400*	43.8	108.3	136 000*	72.0
74.0										26.0	98.4	138 600*	40.2	106.0	131 600*	74.0
76.0										19.6	93.4	133 900*	36.4	103.4	127 300*	76.0
80.0													27.1	96.6	119 300*	80.0

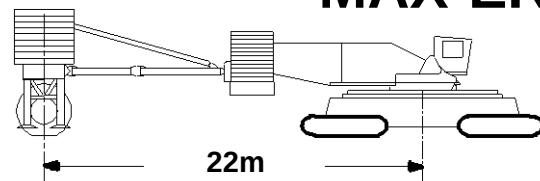
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
509 840 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			65 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	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	240 300*b										38.0
40.0	57.2	128.2	173 600*	65.5	131.2	234 700*b										40.0
42.0	54.6	126.8	164 000*	63.1	130.2	228 900*										42.0
44.0	52.0	125.3	154 600*	60.7	129.1	222 800*										44.0
46.0	49.2	123.6	145 800*	58.3	127.9	216 700*										46.0
48.0	46.4	121.7	137 400*	55.8	126.5	209 900*	64.1	129.0	229 500*							48.0
50.0	43.3	119.6	129 600*	53.2	125.0	200 400*	61.7	128.0	225 100*							50.0
52.0	40.1	117.3	122 500*	50.5	123.4	190 300*	59.3	126.8	217 700*							52.0
54.0	36.7	114.7	115 800*	47.7	121.6	180 400*	56.8	125.5	208 600*							54.0
56.0	32.9	111.7	109 800*	44.7	119.6	170 700*	54.2	124.1	200 300*							56.0
58.0	28.7	108.2	104 400*	41.6	117.4	161 400*	51.5	122.5	192 500*							58.0
60.0	23.8	103.9	99 700*	38.3	114.9	152 600*	48.8	120.7	185 200*	57.6	123.8	175 500*				60.0
62.0	17.6	98.3	95 900*	34.7	112.1	144 300*	45.9	118.8	178 300*	55.0	122.4	169 000*				62.0
64.0	6.7	88.1	94 100*	30.7	108.8	136 400*	42.8	116.7	171 900*	52.4	120.8	162 900*				64.0
66.0				26.1	105.0	129 300*	39.6	114.3	165 800*	49.7	119.2	157 100*				66.0
68.0				20.6	100.1	123 000*	36.1	111.7	160 100*	46.8	117.3	151 700*				68.0
70.0				12.9	93.0	117 700*	32.3	108.6	154 600*	43.8	115.2	146 500*	52.9	118.4	138 500*	70.0
72.0							28.0	105.0	149 400*	40.6	113.0	141 700*	50.2	116.8	133 900*	72.0
74.0							23.0	100.6	144 400*	37.2	110.4	137 000*	47.4	115.0	129 500*	74.0
76.0							16.4	94.7	139 600*	33.5	107.5	132 600*	44.4	113.0	125 400*	76.0
80.0										24.6	99.9	124 300*	38.0	108.2	117 600*	80.0
84.0													30.3	102.1	110 500*	84.0
88.0													20.1	93.2	103 800*	88.0

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

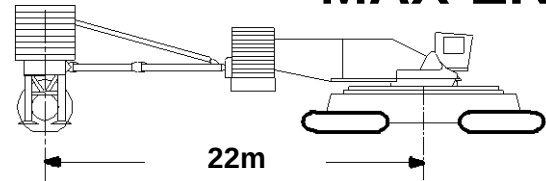
Liftcrane Luffing Jib Capacities

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
509 840 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

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

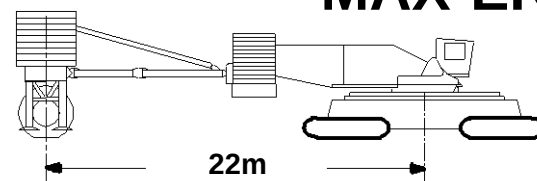
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	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	217 900*										40.0
42.0	58.6	134.2	158 100*	66.0	137.0	217 000*										42.0
44.0	56.4	132.9	149 900*	63.9	136.0	213 100*										44.0
46.0	54.1	131.4	142 000*	61.8	135.0	207 800*										46.0
48.0	51.7	129.9	134 300*	59.6	133.8	200 600*										48.0
50.0	49.2	128.2	127 100*	57.4	132.5	192 700*										50.0
52.0	46.6	126.3	120 200*	55.1	131.1	184 500*	62.6	133.8	209 100*							52.0
54.0	43.9	124.3	113 800*	52.8	129.6	176 200*	60.5	132.7	205 300*							54.0
56.0	41.1	122.0	107 800*	50.3	128.0	167 800*	58.3	131.5	199 100*							56.0
58.0	38.1	119.5	102 200*	47.8	126.2	159 600*	56.0	130.1	191 000*							58.0
60.0	34.9	116.7	97 100*	45.2	124.2	151 500*	53.7	128.7	183 700*							60.0
62.0	31.3	113.5	92 400*	42.4	122.1	143 700*	51.3	127.1	176 900*							62.0
64.0	27.4	109.8	88 300*	39.5	119.7	136 300*	48.8	125.4	170 600*	56.7	128.4	161 300*				64.0
66.0	22.8	105.3	84 600*	36.3	117.0	129 200*	46.2	123.5	164 500*	54.4	127.0	155 600*				66.0
68.0	17.0	99.5	81 800*	33.0	114.0	122 500*	43.5	121.4	158 900*	52.0	125.4	150 200*				68.0
70.0	7.2	89.3	80 300*	29.2	110.6	116 300*	40.6	119.1	153 500*	49.6	123.8	145 100*				70.0
72.0				24.9	106.5	110 700*	37.6	116.5	148 400*	47.0	121.9	140 300*				72.0
74.0				19.8	101.4	105 500*	34.3	113.7	143 500*	44.4	119.9	135 700*	52.5	123.0	127 900*	74.0
76.0				12.6	94.1	101 300*	30.7	110.4	138 900*	41.6	117.7	131 300*	50.1	121.4	123 800*	76.0
80.0							22.0	102.0	130 200*	35.4	112.5	123 200*	44.9	117.6	116 100*	80.0
84.0										28.0	105.7	115 700*	39.2	113.0	109 100*	84.0
88.0										18.0	95.9	108 800*	32.6	107.3	102 700*	88.0
92.0													24.5	99.7	96 700*	92.0
96.0													11.8	86.7	90 900*	96.0

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
509 840 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			65 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	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	193 200*										42.0
44.0	59.8	140.1	144 100*	66.5	142.8	193 200*										44.0
46.0	57.8	138.9	137 000*	64.6	141.8	192 600*										46.0
48.0	55.7	137.5	130 300*	62.7	140.8	188 000*										48.0
50.0	53.6	136.1	123 800*	60.7	139.7	182 400*										50.0
52.0	51.4	134.5	117 500*	58.7	138.5	176 100*										52.0
54.0	49.2	132.8	111 500*	56.7	137.2	169 600*	63.4	139.7	193 000*							54.0
56.0	46.8	130.9	105 800*	54.6	135.8	162 700*	61.5	138.6	190 300*							56.0
58.0	44.4	128.9	100 500*	52.4	134.2	155 800*	59.5	137.4	187 100*							58.0
60.0	41.9	126.7	95 400*	50.2	132.6	148 800*	57.5	136.1	182 000*							60.0
62.0	39.2	124.3	90 700*	47.9	130.8	141 900*	55.4	134.8	175 000*							62.0
64.0	36.4	121.6	86 400*	45.5	128.9	135 100*	53.3	133.3	168 600*							64.0
66.0	33.3	118.7	82 400*	43.0	126.7	128 600*	51.1	131.7	162 600*	58.1	134.4	153 400*				66.0
68.0	30.0	115.3	78 700*	40.4	124.4	122 300*	48.8	130.0	157 000*	56.0	133.1	148 000*				68.0
70.0	26.2	111.4	75 500*	37.7	121.9	116 300*	46.5	128.1	151 600*	53.9	131.6	143 000*				70.0
72.0	21.9	106.7	72 600*	34.7	119.1	110 600*	44.0	126.0	146 600*	51.8	130.0	138 200*				72.0
74.0	16.4	100.7	70 400*	31.5	115.9	105 100*	41.5	123.8	141 800*	49.5	128.4	133 600*				74.0
76.0	7.6	90.5	69 300*	28.0	112.3	100 200*	38.8	121.4	137 200*	47.2	126.5	129 300*				76.0
80.0				19.1	102.7	91 500*	32.8	115.6	128 800*	42.3	122.4	121 300*	50.0	126.0	114 000*	80.0
84.0							25.6	108.2	120 900*	36.8	117.4	114 000*	45.3	122.2	107 100*	84.0
88.0							15.4	97.0	113 100*	30.5	111.2	107 300*	40.2	117.8	100 800*	88.0
92.0										22.6	102.8	101 100*	34.4	112.4	95 000*	92.0
96.0										9.6	88.1	95 000*	27.6	105.5	89 500*	96.0
100.0													18.6	95.7	84 400*	100.0

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

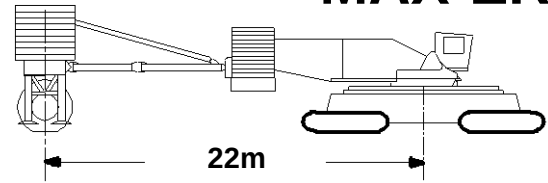
90 720 kg Carbody Counterweight

509 840 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

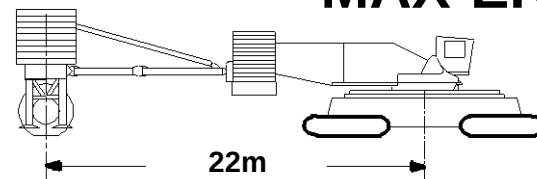
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	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	170 000*										44.0
46.0	60.8	146.0	132 100*	66.8	148.6	170 000*										46.0
48.0	58.9	144.8	126 300*	65.1	147.7	170 000*										48.0
50.0	57.1	143.5	120 600*	63.4	146.7	169 800*										50.0
52.0	55.2	142.2	114 900*	61.6	145.6	166 000*										52.0
54.0	53.2	140.7	109 600*	59.8	144.4	161 300*										54.0
56.0	51.2	139.1	104 400*	57.9	143.2	156 200*										56.0
58.0	49.2	137.4	99 400*	56.0	141.8	150 700*	62.3	144.4	173 500*							58.0
60.0	47.0	135.5	94 700*	54.1	140.4	145 000*	60.5	143.3	171 000*							60.0
62.0	44.8	133.5	90 200*	52.1	138.8	139 300*	58.7	142.1	168 300*							62.0
64.0	42.5	131.4	85 900*	50.1	137.2	133 500*	56.8	140.8	165 300*							64.0
66.0	40.1	129.0	82 000*	48.0	135.4	127 700*	54.9	139.4	161 100*							66.0
68.0	37.6	126.5	78 200*	45.8	133.5	122 100*	52.9	137.9	155 300*							68.0
70.0	34.9	123.7	74 800*	43.6	131.4	116 600*	50.9	136.3	150 000*	57.4	139.1	141 100*				70.0
72.0	32.0	120.5	71 600*	41.2	129.1	111 300*	48.8	134.6	145 000*	55.5	137.7	136 400*				72.0
74.0	28.8	117.0	68 700*	38.7	126.7	106 200*	46.7	132.7	140 200*	53.5	136.2	131 900*				74.0
76.0	25.2	113.0	66 100*	36.1	124.0	101 400*	44.5	130.7	135 700*	51.5	134.6	127 600*				76.0
80.0	16.0	101.9	62 200*	30.2	117.7	92 400*	39.7	126.1	127 300*	47.4	131.1	119 600*	53.9	133.8	112 100*	80.0
84.0				23.1	109.4	84 600*	34.4	120.7	119 600*	42.9	127.0	112 400*	49.9	130.6	105 300*	84.0
88.0				12.2	96.2	78 600*	28.3	113.9	112 600*	38.0	122.2	105 800*	45.6	126.9	99 100*	88.0
92.0							20.4	104.7	105 800*	32.4	116.4	99 700*	41.0	122.5	93 300*	92.0
96.0							5.5	86.1	97 400*	25.8	108.9	94 000*	35.9	117.3	88 000*	96.0
100.0										16.9	98.3	88 600*	30.0	110.9	83 100*	100.0
104.0													22.7	102.6	78 400*	104.0
108.0													11.5	88.9	73 800*	108.0

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
509 840 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			65 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	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	150 700*										46.0
48.0	61.6	151.9	120 500*	67.2	154.4	150 700*										48.0
50.0	59.9	150.8	115 600*	65.6	153.5	150 700*										50.0
52.0	58.2	149.5	110 800*	64.0	152.5	150 700*										52.0
54.0	56.5	148.2	106 000*	62.3	151.4	150 000*										54.0
56.0	54.7	146.8	101 300*	60.7	150.3	146 900*										56.0
58.0	52.9	145.3	96 800*	59.0	149.1	142 900*	64.6	151.3	150 700*							58.0
60.0	51.1	143.7	92 500*	57.3	147.8	138 500*	63.0	150.3	150 700*							60.0
62.0	49.1	142.0	88 300*	55.5	146.5	133 900*	61.3	149.2	150 700*							62.0
64.0	47.2	140.1	84 300*	53.7	145.0	129 200*	59.7	148.0	150 700*							64.0
66.0	45.2	138.2	80 500*	51.9	143.5	124 400*	57.9	146.8	150 300*							66.0
68.0	43.1	136.0	76 900*	50.0	141.8	119 500*	56.2	145.4	147 700*							68.0
70.0	40.9	133.8	73 500*	48.1	140.0	114 700*	54.4	144.0	143 400*							70.0
72.0	38.6	131.3	70 400*	46.1	138.1	109 900*	52.6	142.5	139 100*	58.5	145.0	134 200*				72.0
74.0	36.1	128.6	67 400*	44.0	136.0	105 300*	50.8	140.9	134 500*	56.8	143.7	129 700*				74.0
76.0	33.6	125.6	64 600*	41.9	133.8	100 800*	48.8	139.2	129 900*	55.0	142.3	125 500*				76.0
80.0	27.8	118.7	59 800*	37.2	128.9	92 200*	44.8	135.3	120 600*	51.3	139.3	117 600*				80.0
84.0	20.5	109.4	55 900*	32.1	122.9	84 500*	40.5	130.9	111 500*	47.5	135.7	110 400*	53.6	138.4	103 100*	84.0
88.0	8.1	92.8	53 900*	25.9	115.5	77 600*	35.7	125.6	103 000*	43.4	131.7	103 800*	49.8	135.2	96 900*	88.0
92.0				17.9	105.2	71 900*	30.3	119.3	95 000*	38.9	127.0	97 800*	45.9	131.5	91 200*	92.0
96.0							23.8	111.2	87 800*	34.0	121.4	92 300*	41.7	127.2	86 000*	96.0
100.0							14.7	99.3	81 700*	28.2	114.6	87 100*	37.0	122.2	81 100*	100.0
104.0										21.1	105.6	82 200*	31.8	116.2	76 600*	104.0
108.0										9.7	90.3	77 400*	25.6	108.7	72 300*	108.0
112.0													17.5	98.2	68 300*	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

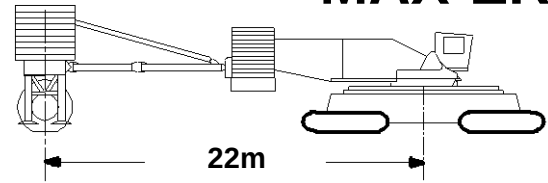
90 720 kg Carbody Counterweight

509 840 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

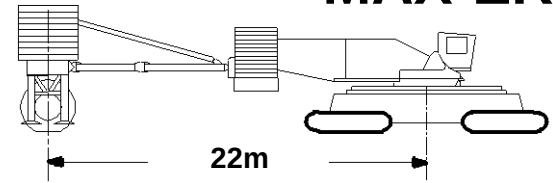
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	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	132 600*										50.0
52.0	60.7	156.6	105 900*	66.0	159.2	132 600*										52.0
54.0	59.2	155.5	101 800*	64.5	158.3	132 600*										54.0
56.0	57.6	154.2	97 800*	63.0	157.3	132 600*										56.0
58.0	56.0	152.8	93 800*	61.4	156.2	132 600*										58.0
60.0	54.3	151.4	89 900*	59.9	155.0	130 600*										60.0
62.0	52.6	149.9	86 100*	58.3	153.8	127 100*	63.6	156.1	132 500*							62.0
64.0	50.9	148.3	82 500*	56.7	152.5	123 500*	62.0	155.1	132 500*							64.0
66.0	49.1	146.6	79 000*	55.1	151.1	119 500*	60.5	153.9	132 000*							66.0
68.0	47.3	144.7	75 500*	53.4	149.6	114 900*	58.9	152.7	129 100*							68.0
70.0	45.4	142.8	72 400*	51.7	148.1	110 100*	57.3	151.4	125 300*							70.0
72.0	43.5	140.7	69 300*	49.9	146.4	105 500*	55.7	150.1	121 200*							72.0
74.0	41.5	138.5	66 400*	48.1	144.6	101 100*	54.1	148.7	116 900*							74.0
76.0	39.4	136.1	63 600*	46.3	142.7	96 800*	52.4	147.1	112 500*	57.8	149.7	120 000*				76.0
80.0	34.9	130.6	58 700*	42.4	138.5	88 400*	48.9	143.8	103 700*	54.6	147.0	115 400*				80.0
84.0	29.7	124.1	54 300*	38.2	133.7	80 700*	45.1	139.9	95 100*	51.2	143.9	108 100*				84.0
88.0	23.6	115.9	50 800*	33.5	128.0	73 500*	41.2	135.6	87 000*	47.6	140.3	100 400*	53.2	143.0	95 200*	88.0
92.0	15.3	104.2	48 200*	28.2	121.1	66 900*	36.8	130.5	79 300*	43.8	136.3	92 400*	49.8	139.8	89 600*	92.0
96.0				21.6	112.2	60 900*	32.0	124.5	72 300*	39.7	131.8	84 600*	46.1	136.1	84 400*	96.0
100.0				11.9	98.4	56 000*	26.4	117.1	65 800*	35.2	126.4	77 300*	42.2	131.9	79 600*	100.0
104.0							19.2	107.3	60 100*	30.2	120.0	70 400*	38.0	127.0	75 100*	104.0
108.0							6.5	88.7	55 600*	24.1	112.0	64 300*	33.3	121.3	71 000*	108.0
112.0										16.1	100.6	58 800*	27.9	114.4	67 000*	112.0
116.0													21.3	105.3	62 200*	116.0
120.0													11.3	91.1	57 400*	120.0

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
509 840 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, 91.4m (300 Ft.) Luffing Jib

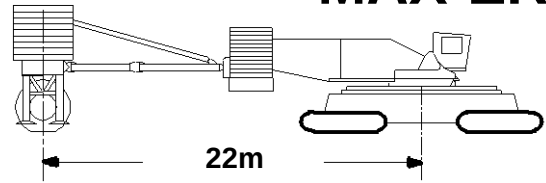
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	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	116 500*										54.0
56.0	60.0	161.4	93 400*	64.9	164.1	116 500*										56.0
58.0	58.5	160.2	90 000*	63.5	163.1	116 500*										58.0
60.0	57.0	158.9	86 600*	62.1	162.0	115 500*										60.0
62.0	55.5	157.5	83 300*	60.6	160.9	111 500*										62.0
64.0	54.0	156.0	80 000*	59.2	159.7	107 000*	64.1	161.9	116 200*							64.0
66.0	52.4	154.5	76 800*	57.7	158.5	102 600*	62.6	160.9	114 500*							66.0
68.0	50.8	152.9	73 700*	56.2	157.1	98 100*	61.2	159.8	111 100*							68.0
70.0	49.1	151.2	70 700*	54.7	155.7	93 700*	59.8	158.6	107 500*							70.0
72.0	47.4	149.3	67 900*	53.1	154.2	89 300*	58.3	157.4	103 700*							72.0
74.0	45.7	147.4	65 100*	51.5	152.7	85 000*	56.8	156.1	99 700*							74.0
76.0	43.9	145.4	62 500*	49.9	151.0	80 900*	55.3	154.7	95 500*							76.0
80.0	40.1	140.8	57 600*	46.5	147.3	73 000*	52.1	151.7	87 200*	57.3	154.4	97 500*				80.0
84.0	36.0	135.6	53 000*	42.9	143.2	65 400*	48.9	148.4	79 100*	54.2	151.6	90 900*				84.0
88.0	31.4	129.4	47 000*	39.0	138.5	58 500*	45.4	144.6	71 300*	51.0	148.5	83 500*				88.0
92.0	26.0	121.9	41 700*	34.8	133.0	52 200*	41.7	140.3	63 900*	47.7	144.9	76 000*	53.0	147.7	84 900*	92.0
96.0	19.4	112.1	36 800*	30.0	126.5	46 300*	37.8	135.3	57 100*	44.2	141.0	68 600*	49.7	144.4	78 900*	96.0
100.0	8.4	95.1	33 000*	24.4	118.5	41 000*	33.4	129.6	50 800*	40.4	136.5	61 600*	46.3	140.7	72 300*	100.0
104.0				17.1	107.6	36 200*	28.4	122.8	45 100*	36.3	131.3	55 100*	42.7	136.6	65 600*	104.0
108.0							22.4	114.1	39 900*	31.7	125.2	49 000*	38.8	131.8	59 000*	108.0
112.0							14.1	101.5	35 500*	26.5	117.9	43 500*	34.6	126.3	52 800*	112.0
116.0										20.0	108.3	38 700*	29.8	119.8	47 000*	116.0
120.0										9.7	92.5	34 500*	24.1	111.7	41 700*	120.0
124.0													16.7	100.6	37 100*	124.0

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
509 840 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			65 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	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	272 100*b										36.0
38.0	41.5	112.2	191 800*	57.2	117.9	262 900*b										38.0
40.0	36.3	109.6	180 000*	53.4	116.5	253 800*b										40.0
42.0	30.4	106.4	169 600*	49.2	114.8	244 800*			c							42.0
44.0	23.0	102.1	161 000*	44.9	112.8	236 200*	59.7	117.1	263 200*b							44.0
46.0				40.1	110.5	227 400*	55.9	115.8	251 100*b							46.0
48.0				34.7	107.7	214 000*	52.0	114.2	239 700*b							48.0
50.0				28.4	104.2	201 500*	47.8	112.4	229 200*	58.1	114.2	208 300*b				50.0
52.0				20.3	99.5	190 800*	43.2	110.4	219 400*	54.2	112.8	199 700*b				52.0
54.0							38.3	107.9	210 300*	50.2	111.2	191 700*b				54.0
56.0							32.7	104.9	201 800*	45.8	109.3	184 200*				56.0
58.0							25.9	101.1	193 700*							58.0
60.0							16.6	95.5	185 900*	41.2	107.0	177 200*				60.0
62.0										35.9	104.4	170 600*	52.0	109.0	161 700*b	62.0
64.0										29.9	101.1	164 300*	47.8	107.2	155 800*b	64.0
66.0										22.4	96.7	158 200*	43.3	105.2	150 300*	66.0
68.0													38.4	102.7	145 000*	68.0
70.0													32.8	99.7	140 000*	70.0
72.0													26.1	96.0	135 100*	72.0
74.0													16.8	90.4	130 300*	74.0

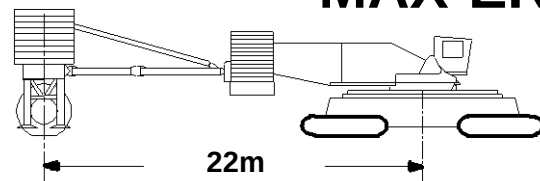
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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
509 840 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			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
22.9			c													22.9
24.0			c													24.0
26.0			c													26.0
28.0	66.3	127.4	248 200*b													28.0
30.0	63.3	126.4	235 300*b													30.0
32.0	60.2	125.3	222 200*b													32.0
34.0	57.0	124.0	209 300*b			c										34.0
36.0	53.7	122.6	196 700*	65.5	126.1	259 800*b										36.0
38.0	50.2	120.9	184 600*	62.4	125.1	252 200*b										38.0
40.0	46.6	119.1	173 300*	59.3	123.9	244 200*b										40.0
42.0	42.7	116.9	162 800*	56.1	122.6	236 500*										42.0
44.0	38.4	114.5	153 100*	52.7	121.1	228 900*										44.0
46.0	33.7	111.6	144 400*	49.2	119.4	221 000*	61.4	123.0	245 500*b							46.0
48.0	28.2	108.1	136 800*	45.5	117.4	209 100*	58.2	121.8	237 800*b							48.0
50.0	21.5	103.5	130 500*	41.5	115.2	197 100*	54.9	120.4	227 400*							50.0
52.0				37.1	112.7	185 800*	51.5	118.8	217 700*							52.0
54.0				32.2	109.6	175 100*	47.9	117.0	208 700*							54.0
56.0				26.5	105.8	165 600*	44.1	115.0	200 400*	56.8	118.9	189 700*b				56.0
58.0				19.1	100.8	157 300*	40.0	112.7	192 600*	53.5	117.4	182 300*				58.0
60.0							35.5	110.0	185 200*	50.0	115.8	175 400*				60.0
62.0							30.3	106.7	178 300*	46.3	113.9	168 900*				62.0
64.0							24.2	102.6	171 600*	42.4	111.7	162 800*	55.0	115.2	153 600*b	64.0
66.0							15.8	96.7	165 200*	38.1	109.3	157 000*	51.6	113.6	148 200*	66.0
68.0										33.3	106.3	151 400*	48.0	111.8	143 100*	68.0
70.0										27.8	102.8	146 200*	44.2	109.8	138 200*	70.0
72.0										21.0	98.1	141 100*	40.1	107.5	133 500*	72.0
74.0													35.6	104.8	129 100*	74.0
76.0													30.4	101.5	124 900*	76.0
80.0													16.0	91.6	116 700*	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).

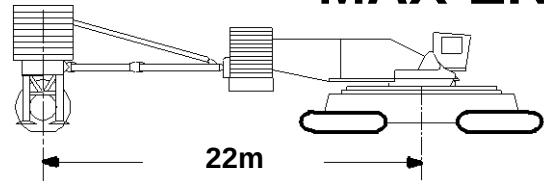
Liftcrane Luffing Jib Capacities

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
509 840 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

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			65 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	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	244 100*b										36.0
38.0	56.1	128.7	178 100*	66.2	131.9	238 300*b										38.0
40.0	53.1	127.2	167 900*	63.5	130.9	232 000*b										40.0
42.0	50.1	125.5	158 100*	60.8	129.8	225 500*										42.0
44.0	46.9	123.7	148 900*	58.1	128.6	218 900*										44.0
46.0	43.5	121.6	140 300*	55.2	127.2	212 300*										46.0
48.0	39.9	119.3	132 300*	52.3	125.7	203 900*	62.6	128.9	225 900*b							48.0
50.0	36.0	116.6	125 100*	49.2	124.0	193 200*	59.9	127.7	220 700*							50.0
52.0	31.6	113.4	118 500*	45.9	122.1	182 800*	57.1	126.4	214 700*							52.0
54.0	26.6	109.7	112 800*	42.5	119.9	172 800*	54.2	125.0	207 700*							54.0
56.0	20.4	104.8	108 100*	38.8	117.5	163 300*	51.2	123.4	199 200*							56.0
58.0				34.8	114.7	154 400*	48.1	121.6	191 400*	58.7	124.9	180 800*				58.0
60.0				30.2	111.4	146 100*	44.8	119.7	184 200*	55.9	123.5	173 900*				60.0
62.0				24.9	107.4	138 600*	41.2	117.4	177 400*	52.9	122.0	167 500*				62.0
64.0				18.2	102.0	132 100*	37.4	114.9	171 000*	49.9	120.4	161 500*				64.0
66.0							33.3	111.9	164 900*	46.7	118.5	155 700*				66.0
68.0							28.5	108.4	159 100*	43.3	116.4	150 400*				68.0
70.0							22.8	104.0	153 600*	39.6	114.1	145 300*	51.3	118.2	136 800*	70.0
72.0							15.1	97.8	148 200*	35.7	111.3	140 400*	48.1	116.4	132 200*	72.0
74.0										31.3	108.2	135 800*	44.8	114.5	127 900*	74.0
76.0										26.2	104.3	131 300*	41.3	112.2	123 800*	76.0
80.0													33.3	106.7	116 000*	80.0
84.0													23.0	98.9	108 900*	84.0

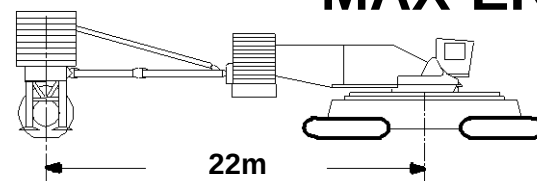
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
509 840 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			65 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	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	220 400* b										40.0
42.0	55.3	133.3	152 700*	64.4	136.8	215 200*										42.0
44.0	52.7	131.8	144 400*	62.0	135.7	209 700*										44.0
46.0	50.0	130.1	136 400*	59.6	134.5	203 900*										46.0
48.0	47.1	128.3	128 900*	57.1	133.2	195 800*										48.0
50.0	44.2	126.3	121 800*	54.6	131.8	187 000*	63.6	134.7	209 200*							50.0
52.0	41.0	124.0	115 200*	51.9	130.3	178 300*	61.2	133.6	205 100*							52.0
54.0	37.6	121.5	109 100*	49.2	128.6	169 500*	58.7	132.4	200 500*							54.0
56.0	34.0	118.6	103 600*	46.3	126.7	160 900*	56.2	131.1	195 500*							56.0
58.0	29.9	115.2	98 600*	43.3	124.6	152 500*	53.6	129.6	189 500*							58.0
60.0	25.2	111.2	94 200*	40.1	122.3	144 600*	51.0	128.0	182 300*							60.0
62.0	19.4	106.1	90 700*	36.6	119.6	137 000*	48.2	126.3	175 600*	57.7	129.5	165 300*				62.0
64.0	10.9	98.1	88 500*	32.8	116.6	129 800*	45.3	124.3	169 200*	55.1	128.2	159 300*				64.0
66.0				28.6	113.1	123 300*	42.2	122.1	163 200*	52.5	126.6	153 700*				66.0
68.0				23.7	108.8	117 300*	38.9	119.7	157 600*	49.8	125.0	148 300*				68.0
70.0				17.4	103.2	112 100*	35.3	116.9	152 200*	46.9	123.1	143 300*				70.0
72.0							31.4	113.8	147 100*	43.9	121.1	138 500*	53.7	124.4	130 000*	72.0
74.0							27.0	110.1	142 200*	40.8	118.8	134 000*	51.0	122.8	125 700*	74.0
76.0							21.7	105.4	137 600*	37.4	116.2	129 600*	48.2	121.0	121 600*	76.0
80.0										29.6	109.9	121 600*	42.2	116.9	114 100*	80.0
84.0										19.0	100.6	114 000*	35.4	111.8	107 200*	84.0
88.0													27.1	104.9	100 800*	88.0
92.0													14.8	93.8	94 600*	92.0

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).**

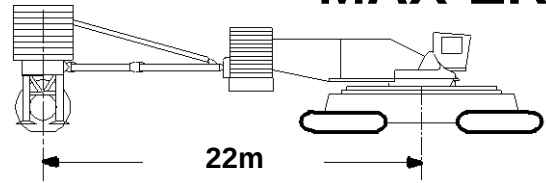
Liftcrane Luffing Jib Capacities

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
509 840 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

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

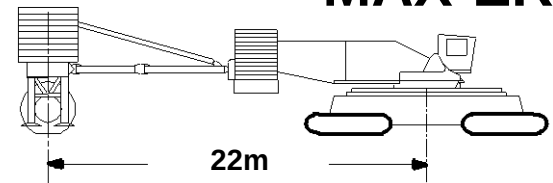
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	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	200 100*b										40.0
42.0	59.2	140.6	147 000*	67.1	143.5	200 100*										42.0
44.0	57.0	139.3	139 500*	65.0	142.6	197 500*										44.0
46.0	54.7	137.9	132 400*	62.9	141.5	192 100*										46.0
48.0	52.3	136.4	125 500*	60.8	140.4	186 000*										48.0
50.0	49.9	134.7	119 000*	58.6	139.2	179 200*										50.0
52.0	47.3	132.9	112 700*	56.3	137.9	172 100*	64.3	140.5	193 700*							52.0
54.0	44.7	130.9	106 800*	54.0	136.4	164 700*	62.2	139.5	190 600*							54.0
56.0	41.9	128.7	101 300*	51.6	134.9	157 300*	60.0	138.3	187 000*							56.0
58.0	38.9	126.3	96 200*	49.1	133.2	149 900*	57.8	137.1	183 100*							58.0
60.0	35.7	123.5	91 500*	46.6	131.3	142 700*	55.5	135.7	178 900*							60.0
62.0	32.3	120.5	87 200*	43.9	129.2	135 700*	53.2	134.2	174 000*							62.0
64.0	28.5	116.9	83 300*	41.0	127.0	129 000*	50.8	132.6	167 900*	59.1	135.5	157 600*				64.0
66.0	24.1	112.7	80 000*	38.0	124.5	122 500*	48.3	130.9	161 900*	56.8	134.2	152 000*				66.0
68.0	18.7	107.3	77 200*	34.8	121.7	116 500*	45.7	128.9	156 300*	54.5	132.8	146 800*				68.0
70.0	10.8	99.2	75 500*	31.2	118.5	110 700*	42.9	126.8	151 000*	52.2	131.2	141 800*				70.0
72.0				27.3	114.8	105 500*	40.0	124.5	146 000*	49.7	129.6	137 000*				72.0
74.0				22.7	110.3	100 700*	36.9	121.9	141 200*	47.1	127.7	132 600*				74.0
76.0				16.8	104.4	96 500*	33.6	118.9	136 700*	44.5	125.7	128 300*	53.2	129.0	120 000*	76.0
80.0							25.8	111.6	128 100*	38.7	121.1	120 400*	48.3	125.6	112 600*	80.0
84.0							14.2	100.0	118 400*	32.1	115.2	113 100*	43.0	121.6	105 800*	84.0
88.0										23.7	107.3	106 400*	37.0	116.7	99 500*	88.0
92.0													30.0	110.4	93 700*	92.0
96.0													20.9	101.6	88 300*	96.0

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
509 840 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			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	Jib Ang. Deg.	Jib 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	177 000*										44.0
46.0	58.3	145.3	127 700*	65.6	148.4	176 700*										46.0
48.0	56.3	144.0	121 600*	63.7	147.4	173 900*										48.0
50.0	54.2	142.5	115 600*	61.7	146.3	168 900*										50.0
52.0	52.0	141.0	109 900*	59.8	145.1	163 600*										52.0
54.0	49.8	139.3	104 500*	57.7	143.9	157 900*										54.0
56.0	47.5	137.5	99 300*	55.7	142.5	151 900*	63.0	145.3	173 800*							56.0
58.0	45.1	135.5	94 400*	53.6	141.1	145 800*	61.1	144.2	171 100*							58.0
60.0	42.6	133.4	89 800*	51.4	139.5	139 500*	59.1	143.0	168 000*							60.0
62.0	39.9	131.0	85 500*	49.1	137.8	133 400*	57.0	141.7	164 700*							62.0
64.0	37.1	128.4	81 400*	46.8	135.9	127 300*	55.0	140.4	161 200*							64.0
66.0	34.1	125.6	77 700*	44.4	133.9	121 400*	52.8	138.8	157 500*							66.0
68.0	30.9	122.3	74 300*	41.8	131.7	115 700*	50.6	137.2	153 800*	58.2	140.2	144 500*				68.0
70.0	27.3	118.6	71 300*	39.1	129.3	110 200*	48.3	135.5	149 100*	56.1	138.8	139 500*				70.0
72.0	23.1	114.2	68 600*	36.3	126.6	105 000*	46.0	133.5	144 100*	54.0	137.4	134 900*				72.0
74.0	18.0	108.6	66 500*	33.2	123.6	100 100*	43.5	131.5	139 400*	51.9	135.8	130 500*				74.0
76.0	10.7	100.2	65 200*	29.9	120.3	95 500*	40.9	129.2	134 900*	49.6	134.2	126 200*				76.0
80.0				21.8	111.7	87 300*	35.3	123.9	126 600*	44.9	130.3	118 400*	52.9	133.6	110 300*	80.0
84.0							28.6	117.3	118 900*	39.7	125.8	111 200*	48.4	130.2	103 600*	84.0
88.0							20.1	108.1	108 800*	33.9	120.3	104 700*	43.5	126.3	97 500*	88.0
92.0										27.0	113.3	98 600*	38.2	121.5	91 800*	92.0
96.0										17.7	103.1	92 900*	32.2	115.6	86 600*	96.0
100.0													24.8	108.0	81 700*	100.0
104.0													14.0	96.1	76 900*	104.0

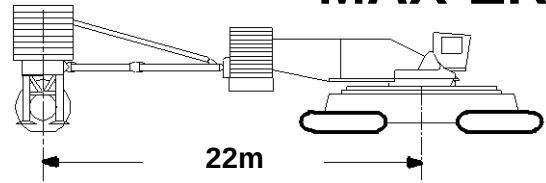
Capacities indicated by **(b)** require
16 780 kg minimum weight suspended
beneath luffing jib point.

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
509 840 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

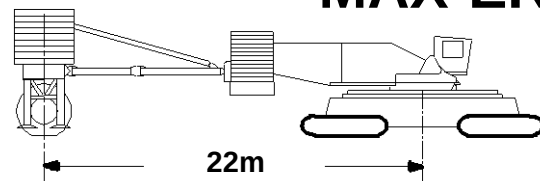
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
30.5	74.5	159.0	148 700*													30.5
32.0	73.2	158.5	148 700*													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	157 700*										46.0
48.0	59.4	151.2	117 400*	66.0	154.2	157 700*										48.0
50.0	57.6	150.0	112 200*	64.3	153.2	157 200*										50.0
52.0	55.7	148.6	107 100*	62.5	152.2	153 800*										52.0
54.0	53.8	147.2	102 200*	60.7	151.0	149 700*										54.0
56.0	51.8	145.6	97 400*	58.9	149.8	145 200*										56.0
58.0	49.7	143.9	92 800*	57.0	148.6	140 300*	63.7	151.2	160 300*							58.0
60.0	47.6	142.1	88 600*	55.1	147.2	135 300*	61.9	150.1	158 400*							60.0
62.0	45.4	140.2	84 400*	53.2	145.7	130 200*	60.1	149.0	156 000*							62.0
64.0	43.1	138.0	80 500*	51.2	144.1	125 000*	58.3	147.7	153 300*							64.0
66.0	40.8	135.8	76 900*	49.1	142.4	119 800*	56.4	146.4	150 400*							66.0
68.0	38.3	133.3	73 400*	47.0	140.5	114 700*	54.5	145.0	147 400*							68.0
70.0	35.6	130.5	70 200*	44.8	138.5	109 800*	52.5	143.5	144 200*							70.0
72.0	32.8	127.5	67 300*	42.5	136.4	105 000*	50.5	141.8	140 900*	57.5	144.8	133 000*				72.0
74.0	29.7	124.1	64 600*	40.1	134.0	100 300*	48.4	140.1	137 500*	55.6	143.5	128 600*				74.0
76.0	26.2	120.2	62 200*	37.5	131.5	95 900*	46.2	138.2	133 400*	53.6	142.0	124 400*				76.0
80.0	17.5	109.8	58 500*	31.9	125.5	87 600*	41.6	133.9	125 100*	49.6	138.8	116 600*				80.0
84.0				25.2	117.9	80 400*	36.6	128.8	117 500*	45.3	135.0	109 600*	52.5	138.2	101 700*	84.0
88.0				15.9	106.7	74 600*	30.8	122.7	110 300*	40.6	130.6	103 100*	48.4	134.8	95 700*	88.0
92.0							23.8	114.6	101 400*	35.4	125.3	97 100*	44.0	130.9	90 100*	92.0
96.0							13.6	102.3	93 400*	29.4	118.8	91 600*	39.2	126.3	84 900*	96.0
100.0										22.0	110.2	86 400*	33.9	120.7	80 100*	100.0
104.0													27.6	113.8	75 700*	104.0
108.0													19.5	104.2	71 400*	108.0

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
509 840 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			65 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	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	139 100*										48.0
50.0	60.4	157.1	107 300*	66.4	159.9	139 100*										50.0
52.0	58.7	155.9	102 900*	64.8	159.0	139 100*										52.0
54.0	56.9	154.6	98 600*	63.2	158.0	138 700*										54.0
56.0	55.2	153.3	94 300*	61.5	156.9	136 400*										56.0
58.0	53.4	151.8	90 200*	59.9	155.8	132 700*										58.0
60.0	51.6	150.2	86 200*	58.2	154.5	128 900*	64.3	157.0	140 700*							60.0
62.0	49.7	148.5	82 400*	56.4	153.2	124 800*	62.6	155.9	140 700*							62.0
64.0	47.7	146.7	78 700*	54.7	151.8	120 600*	61.0	154.8	140 700*							64.0
66.0	45.7	144.8	75 200*	52.9	150.3	116 200*	59.3	153.7	140 700*							66.0
68.0	43.6	142.7	72 000*	51.0	148.7	111 900*	57.6	152.4	139 800*							68.0
70.0	41.4	140.5	68 800*	49.1	147.0	107 500*	55.8	151.0	137 600*							70.0
72.0	39.2	138.0	65 900*	47.1	145.1	103 100*	54.1	149.6	134 900*							72.0
74.0	36.8	135.4	63 100*	45.1	143.2	99 000*	52.2	148.1	132 200*	58.6	150.8	126 400*				74.0
76.0	34.3	132.5	60 600*	43.0	141.0	94 900*	50.4	146.4	129 500*	56.8	149.5	122 200*				76.0
80.0	28.6	125.8	56 100*	38.5	136.3	87 000*	46.4	142.8	123 100*	53.3	146.6	114 500*				80.0
84.0	21.6	117.0	52 500*	33.5	130.6	79 900*	42.3	138.6	114 300*	49.5	143.4	107 500*				84.0
88.0	10.6	102.4	50 400*	27.7	123.6	73 600*	37.7	133.7	105 800*	45.6	139.6	101 100*	52.3	142.9	93 500*	88.0
92.0				20.4	114.4	68 200*	32.6	127.8	97 800*	41.3	135.3	95 200*	48.5	139.5	87 900*	92.0
96.0				7.8	97.5	64 400*	26.6	120.6	90 400*	36.6	130.2	89 800*	44.4	135.6	82 800*	96.0
100.0							18.8	110.6	83 800*	31.4	124.1	84 700*	40.1	131.0	78 100*	100.0
104.0										25.1	116.4	80 000*	35.3	125.7	73 800*	104.0
108.0										16.7	105.5	75 500*	29.8	119.2	69 600*	108.0
112.0													23.1	110.9	65 700*	112.0
116.0													13.5	98.3	61 900*	116.0

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

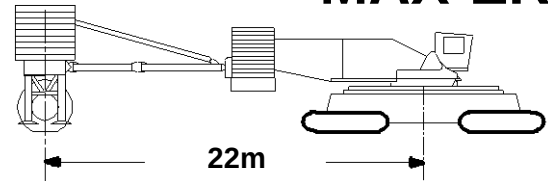
90 720 kg Carbody Counterweight

509 840 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



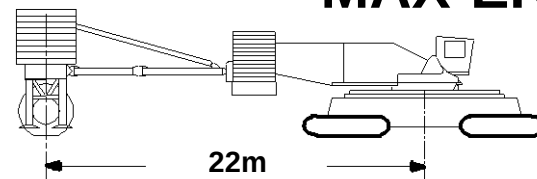
85.3m (280 Ft.) Boom, 85.3m (280 Ft.) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	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	124 000*										52.0
54.0	59.6	161.9	94 600*	65.3	164.8	124 000*										54.0
56.0	58.0	160.6	90 900*	63.8	163.8	124 000*										56.0
58.0	56.4	159.3	87 200*	62.2	162.8	123 900*										58.0
60.0	54.8	157.9	83 600*	60.7	161.7	121 300*										60.0
62.0	53.1	156.4	80 100*	59.1	160.5	118 200*										62.0
64.0	51.4	154.8	76 800*	57.6	159.2	114 900*	63.2	161.8	124 200*							64.0
66.0	49.6	153.1	73 600*	55.9	157.9	111 500*	61.7	160.7	124 200*							66.0
68.0	47.8	151.3	70 400*	54.3	156.4	107 900*	60.2	159.6	124 200*							68.0
70.0	45.9	149.4	67 500*	52.6	154.9	104 300*	58.6	158.4	124 200*							70.0
72.0	44.0	147.3	64 600*	50.9	153.3	100 600*	57.0	157.1	122 200*							72.0
74.0	42.0	145.1	62 000*	49.1	151.6	96 900*	55.4	155.7	118 300*							74.0
76.0	40.0	142.8	59 400*	47.3	149.7	93 300*	53.7	154.2	114 500*							76.0
80.0	35.5	137.5	54 800*	43.5	145.7	86 100*	50.3	151.0	106 200*	56.3	154.2	111 700*				80.0
84.0	30.5	131.2	50 800*	39.3	141.0	79 400*	46.6	147.4	97 900*	53.0	151.2	105 800*				84.0
88.0	24.5	123.2	47 500*	34.8	135.6	73 200*	42.8	143.2	89 800*	49.5	148.0	99 500*				88.0
92.0	16.6	112.2	45 100*	29.7	129.1	67 700*	38.6	138.5	82 100*	45.8	144.2	93 600*	52.0	147.5	86 200*	92.0
96.0				23.5	120.9	62 400*	34.0	132.9	74 900*	41.9	140.0	88 300*	48.5	144.1	81 200*	96.0
100.0				15.1	109.0	57 200*	28.7	126.1	68 300*	37.6	135.0	80 900*	44.8	140.2	76 500*	100.0
104.0							22.3	117.5	62 200*	32.9	129.2	73 900*	40.8	135.8	72 200*	104.0
108.0							13.1	104.5	57 100*	27.4	122.2	67 400*	36.4	130.6	68 200*	108.0
112.0										20.7	112.9	61 600*	31.5	124.5	64 400*	112.0
116.0													25.8	117.0	60 800*	116.0
120.0													18.4	106.8	57 300*	120.0

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
509 840 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, 91.4m (300 Ft.) Luffing Jib

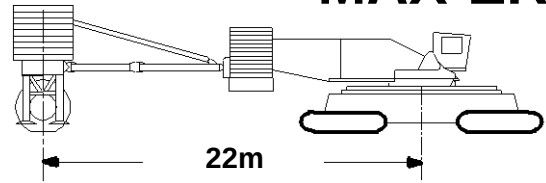
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
35.1	74.7	176.7	105 900*													35.1
36.0	74.1	176.4	105 900*													36.0
38.0	72.8	175.8	105 900*													38.0
40.0	71.4	175.1	105 900*													40.0
42.0	70.1	174.4	105 900*													42.0
44.0	68.8	173.6	104 700*													44.0
46.0	67.4	172.8	102 000*													46.0
48.0	66.0	171.9	99 100*													48.0
50.0	64.6	171.0	96 100*													50.0
52.0	63.2	170.0	93 000*	68.4	172.4	109 300*										52.0
54.0	61.8	168.9	89 900*	67.0	171.5	109 300*										54.0
56.0	60.4	167.8	86 700*	65.6	170.6	109 300*										56.0
58.0	58.9	166.6	83 500*	64.2	169.6	109 300*										58.0
60.0	57.4	165.3	80 400*	62.8	168.6	109 300*										60.0
62.0	55.9	163.9	77 300*	61.4	167.5	109 300*										62.0
64.0	54.4	162.5	74 300*	60.0	166.4	107 600*										64.0
66.0	52.8	161.0	71 300*	58.5	165.2	103 500*	63.8	167.6	109 200*							66.0
68.0	51.2	159.4	68 500*	57.0	163.9	99 300*	62.3	166.6	109 200*							68.0
70.0	49.6	157.7	65 700*	55.5	162.5	95 100*	60.9	165.5	108 000*							70.0
72.0	47.9	155.9	63 100*	53.9	161.0	90 900*	59.5	164.3	104 800*							72.0
74.0	46.2	154.0	60 600*	52.4	159.5	86 700*	58.0	163.0	101 400*							74.0
76.0	44.4	152.0	58 200*	50.7	157.9	82 600*	56.5	161.7	97 600*							76.0
80.0	40.6	147.5	53 600*	47.4	154.3	74 700*	53.4	158.8	89 800*	58.8	161.4	97 200*				80.0
84.0	36.5	142.4	49 600*	43.8	150.3	67 300*	50.2	155.6	81 800*	55.8	158.8	92 900*				84.0
88.0	32.0	136.4	46 100*	40.1	145.8	60 300*	46.8	152.0	74 100*	52.7	155.9	86 500*				88.0
92.0	26.8	129.1	42 400*	35.9	140.5	53 800*	43.2	147.9	66 700*	49.5	152.6	79 500*				92.0
96.0	20.4	119.6	37 500*	31.3	134.4	47 800*	39.4	143.2	59 800*	46.0	148.8	72 200*	51.8	152.1	79 000*	96.0
100.0	10.6	104.5	33 400*	26.0	126.9	42 400*	35.2	137.9	53 400*	42.4	144.6	65 200*	48.5	148.7	74 400*	100.0
104.0				19.3	117.0	37 500*	30.5	131.5	47 500*	38.5	139.8	58 500*	45.1	144.8	69 600*	104.0
108.0				8.2	99.8	33 600*	24.9	123.7	41 900*	34.2	134.3	52 200*	41.4	140.5	63 100*	108.0
112.0							17.9	113.1	37 200*	29.3	127.6	46 400*	37.4	135.5	56 700*	112.0
116.0										23.6	119.4	41 200*	32.9	129.7	50 700*	116.0
120.0										15.9	107.8	36 600*	27.9	122.7	45 200*	120.0
124.0													21.8	113.7	40 100*	124.0
128.0													13.1	100.5	35 800*	128.0

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
509 840 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



91.4m (300 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			65 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	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			c													28.0
30.0	59.3	125.8	229 400*b													30.0
32.0	55.5	124.4	215 800*b			c										32.0
34.0	51.5	122.8	202 700*b			c										34.0
36.0	47.3	121.0	190 300*			c										36.0
38.0	42.8	118.9	178 600*	59.2	124.6	243 800*b										38.0
40.0	37.8	116.4	168 000*	55.4	123.3	235 400*b										40.0
42.0	32.0	113.4	158 500*	51.5	121.7	227 300*b										42.0
44.0	25.1	109.5	150 400*	47.2	119.9	219 100*			c							44.0
46.0				42.7	117.8	211 100*	58.9	122.7	234 900*b							46.0
48.0				37.6	115.3	201 200*	55.1	121.3	227 400*b							48.0
50.0				31.9	112.2	189 700*	51.1	119.8	219 800*b							50.0
52.0				25.0	108.2	179 500*	46.8	117.9	212 100*b							52.0
54.0				15.0	102.2	171 300*	42.2	115.8	204 400*	58.2	120.0	195 100*b				54.0
56.0							37.2	113.2	196 700*	54.4	118.6	187 200*b				56.0
58.0							31.4	110.1	189 300*	50.3	117.0	179 900*b				58.0
60.0							24.3	106.0	181 600*	46.0	115.1	173 100*b				60.0
62.0							13.8	99.7	173 600*	41.4	112.9	166 600*				62.0
64.0										36.2	110.2	160 500*	53.2	115.0	150 900*b	64.0
66.0										30.2	107.0	154 700*	49.1	113.3	145 600*b	66.0
68.0										22.8	102.7	149 100*	44.7	111.3	140 500*	68.0
70.0										10.8	95.3	143 400*	39.9	109.0	135 700*	70.0
72.0													34.5	106.2	131 100*	72.0
74.0													28.2	102.7	126 600*	74.0
76.0													20.0	97.9	122 200*	76.0

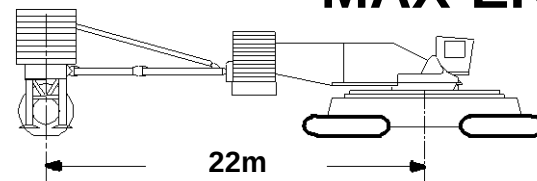
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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
509 840 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

91.4m (300 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			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
22.9			c													22.9
24.0			c													24.0
26.0			c													26.0
28.0			c													28.0
30.0	64.1	132.8	216 100*b													30.0
32.0	61.1	131.7	204 700*b													32.0
34.0	57.9	130.4	193 300*b													34.0
36.0	54.6	129.0	182 100*			c										36.0
38.0	51.2	127.4	171 400*	64.0	131.7	233 300*b										38.0
40.0	47.6	125.6	161 300*	61.0	130.5	226 300*b										40.0
42.0	43.7	123.6	151 800*	57.8	129.3	219 200*b										42.0
44.0	39.6	121.2	143 100*	54.5	127.9	212 100*										44.0
46.0	35.0	118.5	135 100*	51.1	126.3	205 000*	63.8	129.8	223 900*b							46.0
48.0	29.8	115.1	128 100*	47.5	124.5	195 700*	60.7	128.6	218 300*b							48.0
50.0	23.5	110.9	122 200*	43.6	122.4	184 800*	57.5	127.4	212 200*b							50.0
52.0				39.5	120.1	174 700*	54.2	126.0	205 900*b							52.0
54.0				34.9	117.3	165 200*	50.8	124.4	199 400*							54.0
56.0				29.6	114.0	156 300*	47.2	122.5	192 900*							56.0
58.0				23.3	109.7	148 400*	43.3	120.4	186 500*	57.0	124.7	177 800*b				58.0
60.0				14.4	103.3	142 000*	39.1	118.0	179 900*	53.6	123.2	171 000*b				60.0
62.0							34.5	115.2	173 700*	50.2	121.6	164 700*				62.0
64.0							29.2	111.8	167 400*	46.5	119.7	158 800*				64.0
66.0							22.7	107.5	161 100*	42.6	117.6	153 100*				66.0
68.0							13.3	100.8	154 300*	38.3	115.1	147 800*	52.6	119.6	138 400*	68.0
70.0										33.6	112.2	142 700*	49.1	117.9	133 700*	70.0
72.0										28.1	108.7	137 800*	45.3	116.0	129 200*	72.0
74.0										21.3	104.0	133 100*	41.3	113.7	124 900*	74.0
76.0										10.7	96.4	128 300*	36.9	111.1	120 800*	76.0
80.0													26.2	104.3	113 100*	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).

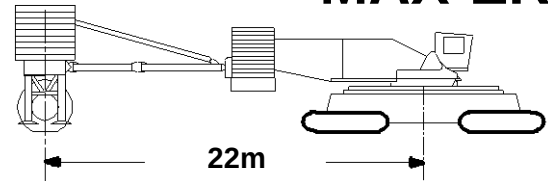
Liftcrane Luffing Jib Capacities

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
509 840 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

91.4m (300 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			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
24.4			c													24.4
26.0			c													26.0
28.0			c													28.0
30.0	67.6	139.5	202 700*b													30.0
32.0	65.0	138.6	193 400*b													32.0
34.0	62.3	137.6	183 800*b													34.0
36.0	59.6	136.4	174 200*													36.0
38.0	56.8	135.1	164 800*	67.5	138.4	222 000*b										38.0
40.0	53.9	133.7	155 600*	64.9	137.5	216 500*b										40.0
42.0	50.9	132.0	146 900*	62.3	136.4	210 500*b										42.0
44.0	47.8	130.3	138 600*	59.6	135.3	204 600*										44.0
46.0	44.4	128.2	130 800*	56.8	134.0	198 300*										46.0
48.0	40.9	126.0	123 600*	53.9	132.5	189 400*										48.0
50.0	37.0	123.4	116 900*	50.8	130.9	180 100*	62.0	134.5	203 100*b							50.0
52.0	32.8	120.4	110 900*	47.7	129.1	171 000*	59.3	133.3	198 200*b							52.0
54.0	28.0	116.8	105 600*	44.3	127.1	162 200*	56.5	132.0	192 900*							54.0
56.0	22.2	112.3	101 100*	40.8	124.8	153 600*	53.6	130.6	187 500*							56.0
58.0				36.9	122.2	145 500*	50.6	128.9	182 000*							58.0
60.0				32.7	119.2	137 900*	47.4	127.1	176 400*	58.8	130.6	169 500*b				60.0
62.0				27.9	115.6	130 900*	44.0	125.1	170 900*	56.0	129.3	163 200*				62.0
64.0				22.0	111.1	124 700*	40.5	122.8	165 500*	53.1	127.8	157 300*				64.0
66.0				13.9	104.4	119 600*	36.6	120.2	160 100*	50.0	126.2	151 800*				66.0
68.0							32.3	117.1	154 700*	46.8	124.3	146 500*				68.0
70.0							27.4	113.5	149 500*	43.4	122.2	141 500*				70.0
72.0							21.5	108.8	144 100*	39.8	119.9	136 800*	52.1	124.2	127 700*	72.0
74.0							12.9	101.8	138 500*	35.9	117.2	132 300*	49.1	122.5	123 500*	74.0
76.0										31.5	114.1	128 000*	45.8	120.6	119 500*	76.0
80.0										20.2	105.3	119 800*	38.6	116.0	112 100*	80.0
84.0													30.0	109.9	105 200*	84.0
88.0													17.9	100.3	98 700*	88.0

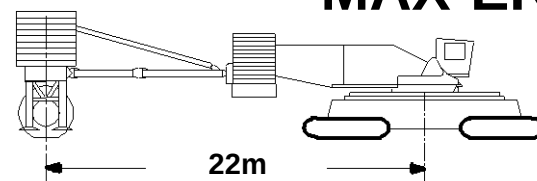
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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
509 840 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**

91.4m (300 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			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
25.9			c													25.9
26.0			c													26.0
28.0			c													28.0
30.0	70.2	146.1	187 300*b													30.0
32.0	67.9	145.3	181 200*b													32.0
34.0	65.7	144.4	173 400*b													34.0
36.0	63.3	143.4	165 400*													36.0
38.0	60.9	142.3	157 400*													38.0
40.0	58.5	141.1	149 400*	67.9	144.2	203 300*b										40.0
42.0	56.0	139.7	141 600*	65.6	143.3	200 500*b										42.0
44.0	53.4	138.3	134 000*	63.3	142.3	195 000*										44.0
46.0	50.7	136.6	126 800*	60.9	141.2	188 500*										46.0
48.0	47.9	134.9	120 000*	58.4	139.9	181 300*										48.0
50.0	45.0	132.9	113 600*	55.9	138.6	173 700*										50.0
52.0	41.9	130.7	107 600*	53.3	137.1	165 900*	63.1	140.4	188 100*							52.0
54.0	38.5	128.2	102 000*	50.6	135.5	158 200*	60.7	139.3	184 200*							54.0
56.0	35.0	125.4	96 900*	47.8	133.7	150 500*	58.2	138.0	179 900*							56.0
58.0	31.0	122.2	92 300*	44.9	131.7	143 000*	55.7	136.7	175 400*							58.0
60.0	26.5	118.4	88 200*	41.8	129.5	135 800*	53.1	135.2	170 700*							60.0
62.0	21.1	113.7	84 800*	38.5	127.1	128 900*	50.4	133.5	166 000*							62.0
64.0	13.7	106.9	82 500*	34.9	124.3	122 400*	47.6	131.7	161 200*	57.8	135.3	155 100*				64.0
66.0				30.9	121.0	116 400*	44.6	129.7	156 500*	55.2	133.9	149 600*				66.0
68.0				26.4	117.2	110 900*	41.5	127.5	151 800*	52.6	132.4	144 400*				68.0
70.0				21.0	112.4	105 900*	38.2	125.0	147 200*	49.9	130.8	139 500*				70.0
72.0				13.5	105.5	101 900*	34.6	122.2	142 700*	47.1	128.9	134 800*				72.0
74.0							30.6	118.9	138 100*	44.1	126.9	130 400*				74.0
76.0							26.0	115.1	133 500*	40.9	124.6	126 200*	51.8	128.8	117 300*	76.0
80.0							12.6	102.9	124 100*	33.9	119.2	118 300*	46.2	125.2	110 000*	80.0
84.0										25.1	111.8	111 100*	39.9	120.8	103 300*	84.0
88.0										10.6	98.5	104 000*	32.7	115.1	97 100*	88.0
92.0													23.5	107.3	91 400*	92.0
96.0													5.3	90.3	85 500*	96.0

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).**

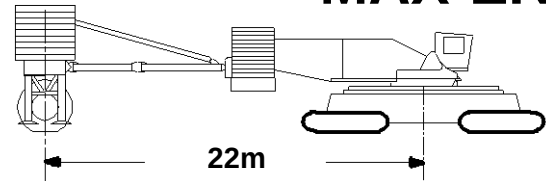
Liftcrane Luffing Jib Capacities

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
509 840 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

91.4m (300 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			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
27.4			c													27.4
28.0			c													28.0
30.0	72.3	152.6	168 500*b													30.0
32.0	70.3	151.9	168 400*b													32.0
34.0	68.2	151.1	162 800*b													34.0
36.0	66.2	150.2	156 300*													36.0
38.0	64.1	149.2	149 600*													38.0
40.0	62.0	148.2	142 900*													40.0
42.0	59.8	147.0	136 200*	68.2	149.9	182 200*b										42.0
44.0	57.6	145.7	129 500*	66.1	149.1	181 000*										44.0
46.0	55.3	144.4	123 000*	64.1	148.1	176 700*										46.0
48.0	52.9	142.9	116 800*	61.9	147.0	171 500*										48.0
50.0	50.5	141.2	110 700*	59.7	145.9	165 800*										50.0
52.0	48.0	139.5	105 100*	57.5	144.6	159 600*										52.0
54.0	45.4	137.5	99 700*	55.2	143.2	153 200*	63.9	146.2	171 900*							54.0
56.0	42.6	135.4	94 700*	52.9	141.7	146 700*	61.7	145.1	168 900*							56.0
58.0	39.7	133.0	90 000*	50.5	140.1	140 100*	59.6	144.0	165 500*							58.0
60.0	36.6	130.4	85 700*	47.9	138.3	133 700*	57.3	142.7	161 800*							60.0
62.0	33.2	127.4	81 700*	45.3	136.4	127 400*	55.0	141.3	158 000*							62.0
64.0	29.5	124.0	78 100*	42.6	134.2	121 200*	52.7	139.8	154 000*							64.0
66.0	25.3	120.0	74 900*	39.6	131.8	115 400*	50.2	138.1	150 000*	59.2	141.3	147 900*				66.0
68.0	20.3	115.0	72 300*	36.5	129.2	109 800*	47.7	136.3	146 000*	56.9	140.0	142 700*				68.0
70.0	13.4	107.9	70 500*	33.2	126.2	104 600*	45.1	134.4	142 000*	54.6	138.6	137 900*				70.0
72.0				29.4	122.8	99 700*	42.3	132.2	138 000*	52.3	137.0	133 200*				72.0
74.0				25.2	118.8	95 300*	39.4	129.8	134 100*	49.8	135.4	128 900*				74.0
76.0				20.1	113.7	91 300*	36.2	127.2	130 200*	47.3	133.5	124 700*				76.0
80.0							29.1	120.7	122 600*	41.8	129.3	117 000*	51.5	133.4	108 300*	80.0
84.0							19.6	111.4	113 100*	35.7	124.2	109 900*	46.5	129.8	101 800*	84.0
88.0										28.4	117.5	103 400*	40.9	125.5	95 800*	88.0
92.0										18.5	107.9	97 300*	34.6	120.1	90 200*	92.0
96.0													27.1	113.2	85 000*	96.0
100.0													16.5	102.7	80 000*	100.0

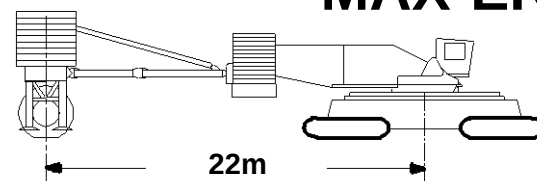
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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
509 840 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**

91.4m (300 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			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
29.0	74.9	159.3	151 000* b													29.0
30.0	73.9	159.0	151 000* b													30.0
32.0	72.1	158.3	151 000* b													32.0
34.0	70.3	157.6	150 300* b													34.0
36.0	68.5	156.8	146 300*													36.0
38.0	66.6	156.0	140 800*													38.0
40.0	64.7	155.0	135 200*													40.0
42.0	62.8	154.0	129 600*													42.0
44.0	60.9	152.9	123 800*	68.4	155.7	161 700*										44.0
46.0	58.9	151.7	118 200*	66.6	154.9	161 700*										46.0
48.0	56.8	150.4	112 600*	64.7	153.9	160 300*										48.0
50.0	54.7	149.0	107 200*	62.8	152.9	155 800*										50.0
52.0	52.6	147.5	102 000*	60.8	151.8	151 300*										52.0
54.0	50.4	145.8	97 000*	58.8	150.6	146 300*										54.0
56.0	48.1	144.1	92 300*	56.8	149.3	141 000*										56.0
58.0	45.7	142.1	87 800*	54.7	147.9	135 500*	62.6	151.0	156 400*							58.0
60.0	43.2	140.0	83 600*	52.5	146.3	130 000*	60.6	149.9	153 700*							60.0
62.0	40.6	137.7	79 700*	50.3	144.7	124 500*	58.6	148.7	150 800*							62.0
64.0	37.9	135.2	75 900*	48.0	142.9	118 900*	56.6	147.4	147 600*							64.0
66.0	35.0	132.4	72 500*	45.7	141.0	113 700*	54.5	145.9	144 300*							66.0
68.0	31.8	129.3	69 400*	43.2	138.9	108 500*	52.4	144.4	140 900*							68.0
70.0	28.3	125.7	66 600*	40.6	136.6	103 500*	50.1	142.7	137 400*	58.3	146.0	135 600*				70.0
72.0	24.3	121.5	64 100*	37.8	134.0	98 700*	47.8	141.0	133 900*	56.2	144.6	131 000*				72.0
74.0	19.5	116.3	62 000*	34.9	131.2	94 200*	45.5	139.0	130 400*	54.1	143.2	126 700*				74.0
76.0	13.1	109.0	60 600*	31.7	128.1	90 000*	43.0	136.9	127 000*	52.0	141.6	122 600*				76.0
80.0				24.2	120.3	82 400*	37.6	132.0	120 100*	47.4	138.1	114 900*				80.0
84.0				12.9	107.7	76 600*	31.4	126.0	113 100*	42.5	134.0	108 000*	51.3	138.0	99 500*	84.0
88.0							23.8	118.1	103 600*	37.1	129.1	101 600*	46.7	134.4	93 600*	88.0
92.0							12.2	105.1	95 500*	30.8	122.9	95 700*	41.7	130.2	88 100*	92.0
96.0										23.0	114.7	90 200*	36.2	125.1	83 100*	96.0
100.0										10.5	100.7	84 800*	29.7	118.7	78 300*	100.0
104.0													21.6	110.1	73 900*	104.0
108.0													6.6	93.0	69 300*	108.0

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

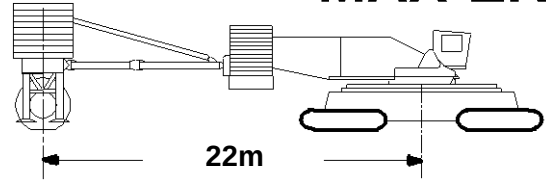
Liftcrane Luffing Jib Capacities

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
509 840 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

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

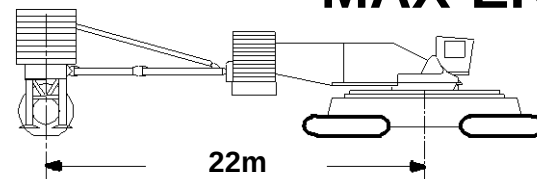
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
30.5	74.9	165.2	135 800*													30.5
32.0	73.7	164.8	135 800*													32.0
34.0	72.0	164.1	135 800*													34.0
36.0	70.4	163.4	135 200*													36.0
38.0	68.7	162.6	132 000*													38.0
40.0	67.0	161.8	127 500*													40.0
42.0	65.3	160.8	122 800*													42.0
44.0	63.5	159.9	118 100*													44.0
46.0	61.7	158.8	113 300*	68.6	161.5	145 300*										46.0
48.0	59.9	157.6	108 500*	66.9	160.6	145 300*										48.0
50.0	58.1	156.4	103 800*	65.2	159.7	144 800*										50.0
52.0	56.2	155.1	99 100*	63.5	158.7	141 900*										52.0
54.0	54.3	153.6	94 600*	61.7	157.6	138 300*										54.0
56.0	52.3	152.1	90 300*	59.9	156.5	134 400*										56.0
58.0	50.3	150.4	86 100*	58.0	155.2	130 100*										58.0
60.0	48.2	148.7	82 200*	56.2	153.9	125 600*	63.3	156.8	144 400*							60.0
62.0	46.0	146.8	78 400*	54.2	152.5	121 000*	61.5	155.8	142 300*							62.0
64.0	43.8	144.7	74 800*	52.3	150.9	116 400*	59.7	154.6	139 900*							64.0
66.0	41.4	142.5	71 500*	50.2	149.3	111 700*	57.9	153.3	137 400*							66.0
68.0	38.9	140.0	68 300*	48.1	147.5	107 100*	56.0	152.0	134 600*							68.0
70.0	36.3	137.3	65 400*	46.0	145.6	102 600*	54.1	150.6	131 700*							70.0
72.0	33.5	134.4	62 700*	43.7	143.5	98 200*	52.1	149.0	128 700*	59.4	151.9	128 900*				72.0
74.0	30.5	131.1	60 200*	41.3	141.3	94 000*	50.0	147.3	125 700*	57.5	150.6	124 800*				74.0
76.0	27.2	127.3	58 000*	38.9	138.8	89 900*	47.9	145.6	122 600*	55.6	149.3	120 700*				76.0
80.0	18.9	117.6	54 400*	33.5	133.2	82 300*	43.5	141.5	116 500*	51.7	146.2	113 100*				80.0
84.0				27.1	126.1	75 700*	38.7	136.8	110 400*	47.6	142.7	106 200*				84.0
88.0				18.8	116.3	70 100*	33.2	131.1	104 200*	43.1	138.7	99 900*	51.1	142.6	91 700*	88.0
92.0							26.8	124.0	96 200*	38.2	133.9	94 100*	46.9	139.0	86 300*	92.0
96.0							18.3	114.0	88 800*	32.7	128.1	88 700*	42.4	134.9	81 300*	96.0
100.0										26.1	120.8	83 700*	37.4	130.0	76 700*	100.0
104.0										17.4	110.3	78 900*	31.8	124.0	72 400*	104.0
108.0													25.0	116.3	68 300*	108.0
112.0													15.6	105.0	64 400*	112.0

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
509 840 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**

91.4m (300 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			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
32.0	75.0	171.1	121 700*													32.0
34.0	73.5	170.5	121 700*													34.0
36.0	71.9	169.9	121 700*													36.0
38.0	70.4	169.2	121 700*													38.0
40.0	68.8	168.4	118 900*													40.0
42.0	67.3	167.5	115 100*													42.0
44.0	65.7	166.6	111 200*													44.0
46.0	64.1	165.7	107 300*													46.0
48.0	62.5	164.6	103 200*	68.8	167.3	128 800*										48.0
50.0	60.8	163.5	99 200*	67.2	166.4	128 800*										50.0
52.0	59.1	162.3	95 100*	65.7	165.5	128 800*										52.0
54.0	57.4	161.1	91 100*	64.1	164.5	128 300*										54.0
56.0	55.7	159.7	87 200*	62.4	163.5	126 000*										56.0
58.0	53.9	158.2	83 400*	60.8	162.4	122 800*										58.0
60.0	52.0	156.7	79 800*	59.1	161.2	119 300*										60.0
62.0	50.2	155.0	76 300*	57.4	159.9	115 700*	63.9	162.7	130 600*							62.0
64.0	48.2	153.3	72 900*	55.6	158.6	111 900*	62.3	161.6	130 600*							64.0
66.0	46.2	151.4	69 700*	53.8	157.1	108 000*	60.6	160.5	129 600*							66.0
68.0	44.2	149.3	66 700*	52.0	155.6	104 000*	58.9	159.3	127 500*							68.0
70.0	42.0	147.1	63 800*	50.1	153.9	100 100*	57.2	158.0	125 300*							70.0
72.0	39.8	144.8	61 100*	48.2	152.1	96 200*	55.5	156.6	122 900*							72.0
74.0	37.4	142.2	58 600*	46.2	150.2	92 300*	53.7	155.2	120 400*							74.0
76.0	34.9	139.4	56 200*	44.1	148.2	88 500*	51.8	153.6	117 800*	58.6	156.6	117 700*				76.0
80.0	29.4	132.9	52 100*	39.7	143.6	81 400*	48.0	150.2	112 500*	55.1	153.9	111 000*				80.0
84.0	22.6	124.4	48 700*	34.9	138.2	74 900*	43.9	146.2	107 100*	51.5	150.8	104 100*				84.0
88.0	12.7	111.2	46 700*	29.3	131.7	69 000*	39.5	141.6	101 700*	47.7	147.4	97 900*				88.0
92.0				22.5	123.2	64 000*	34.7	136.2	95 900*	43.6	143.3	92 100*	50.9	147.2	84 100*	92.0
96.0				12.5	109.9	60 200*	29.1	129.5	88 600*	39.1	138.7	86 800*	47.1	143.7	79 200*	96.0
100.0							22.2	120.9	82 100*	34.2	133.1	81 900*	42.9	139.5	74 600*	100.0
104.0							11.9	107.2	76 400*	28.5	126.4	77 300*	38.4	134.8	70 400*	104.0
108.0										21.5	117.5	73 000*	33.4	129.1	66 500*	108.0
112.0										10.4	102.8	68 700*	27.6	122.1	62 700*	112.0
116.0													20.2	112.7	59 100*	116.0
120.0													7.4	95.5	55 400*	120.0

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

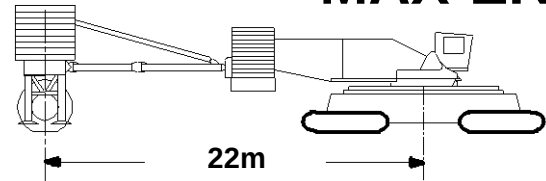
90 720 kg Carbody Counterweight

509 840 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



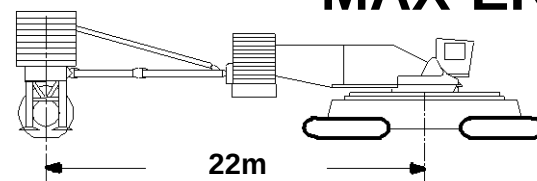
91.4m (300 Ft.) Boom, 85.3m (280 Ft.) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
33.5	75.0	177.0	109 200*													33.5
34.0	74.7	176.9	109 200*													34.0
36.0	73.3	176.3	109 200*													36.0
38.0	71.9	175.6	109 200*													38.0
40.0	70.4	174.9	109 100*													40.0
42.0	69.0	174.1	107 500*													42.0
44.0	67.5	173.3	104 200*													44.0
46.0	66.1	172.4	100 900*													46.0
48.0	64.6	171.5	97 600*													48.0
50.0	63.1	170.5	94 200*	69.0	173.0	114 300*										50.0
52.0	61.6	169.4	90 800*	67.5	172.2	114 300*										52.0
54.0	60.0	168.2	87 300*	66.0	171.3	114 300*										54.0
56.0	58.4	167.0	83 900*	64.6	170.4	114 300*										56.0
58.0	56.8	165.7	80 500*	63.0	169.3	114 200*										58.0
60.0	55.2	164.3	77 200*	61.5	168.3	112 200*										60.0
62.0	53.5	162.9	74 000*	60.0	167.1	109 400*										62.0
64.0	51.8	161.3	70 900*	58.4	165.9	106 500*	64.4	168.5	115 700*							64.0
66.0	50.1	159.6	67 900*	56.8	164.6	103 400*	62.9	167.5	115 700*							66.0
68.0	48.3	157.9	65 100*	55.2	163.2	100 200*	61.4	166.4	115 700*							68.0
70.0	46.4	156.0	62 400*	53.5	161.7	96 800*	59.8	165.2	115 700*							70.0
72.0	44.5	154.0	59 800*	51.8	160.2	93 500*	58.3	164.0	115 600*							72.0
74.0	42.6	151.8	57 300*	50.0	158.5	90 100*	56.7	162.7	114 700*							74.0
76.0	40.5	149.5	55 000*	48.2	156.7	86 800*	55.0	161.3	112 500*							76.0
80.0	36.1	144.3	50 700*	44.5	152.8	80 300*	51.6	158.2	107 800*	58.0	161.3	103 600*				80.0
84.0	31.2	138.2	47 100*	40.5	148.3	74 100*	48.1	154.8	100 100*	54.7	158.5	102 500*				84.0
88.0	25.4	130.5	44 000*	36.1	143.1	68 400*	44.3	150.8	92 300*	51.3	155.5	96 200*				88.0
92.0	17.9	120.0	41 700*	31.1	137.0	63 300*	40.3	146.3	84 600*	47.8	152.0	90 500*	54.2	155.0	82 300*	92.0
96.0				25.3	129.3	58 800*	35.9	141.1	77 400*	44.0	148.0	85 300*	50.8	151.8	77 500*	96.0
100.0				17.8	118.8	55 100*	30.9	134.9	70 700*	39.9	143.4	80 500*	47.2	148.3	73 000*	100.0
104.0							25.0	127.1	64 500*	35.4	138.1	75 900*	43.4	144.2	68 800*	104.0
108.0							17.4	116.4	59 000*	30.4	131.8	70 700*	39.3	139.5	64 900*	108.0
112.0										24.4	123.8	64 500*	34.7	134.1	61 200*	112.0
116.0										16.5	112.7	59 100*	29.6	127.6	57 800*	116.0
120.0													23.4	119.3	54 500*	120.0
124.0													14.9	107.3	51 300*	124.0

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
509 840 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**

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

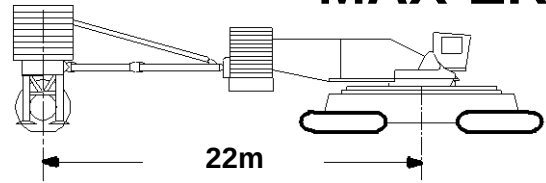
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
35.1	75.0	182.9	97 700*													35.1
36.0	74.4	182.6	97 700*													36.0
38.0	73.1	182.0	97 700*													38.0
40.0	71.8	181.4	97 700*													40.0
42.0	70.5	180.7	97 700*													42.0
44.0	69.1	179.9	96 600*													44.0
46.0	67.8	179.1	94 100*													46.0
48.0	66.4	178.2	91 400*													48.0
50.0	65.0	177.3	88 600*													50.0
52.0	63.6	176.3	85 700*	69.1	178.8	101 900*										52.0
54.0	62.2	175.3	82 800*	67.7	178.0	101 900*										54.0
56.0	60.8	174.1	79 900*	66.4	177.1	101 900*										56.0
58.0	59.3	173.0	77 000*	65.0	176.2	101 900*										58.0
60.0	57.8	171.7	74 100*	63.6	175.2	101 900*										60.0
62.0	56.3	170.4	71 200*	62.2	174.1	101 600*										62.0
64.0	54.8	169.0	68 500*	60.7	173.0	99 800*										64.0
66.0	53.2	167.5	65 700*	59.3	171.8	97 500*										66.0
68.0	51.6	165.9	63 100*	57.8	170.6	95 000*	63.5	173.3	102 000*							68.0
70.0	50.0	164.2	60 600*	56.3	169.2	92 400*	62.0	172.2	102 000*							70.0
72.0	48.3	162.5	58 200*	54.8	167.8	89 700*	60.6	171.1	102 000*							72.0
74.0	46.6	160.6	55 800*	53.2	166.3	86 900*	59.2	169.9	101 200*							74.0
76.0	44.9	158.6	53 600*	51.6	164.8	83 900*	57.7	168.6	98 500*							76.0
80.0	41.1	154.2	49 500*	48.3	161.3	76 300*	54.6	165.9	91 500*							80.0
84.0	37.1	149.2	45 700*	44.8	157.4	68 900*	51.5	162.8	84 100*	57.4	165.9	90 200*				84.0
88.0	32.6	143.3	42 500*	41.1	153.1	62 000*	48.2	159.4	76 600*	54.3	163.2	88 700*				88.0
92.0	27.5	136.2	39 700*	37.1	148.0	55 400*	44.7	155.5	69 300*	51.2	160.1	82 300*				92.0
96.0	21.3	127.2	37 500*	32.6	142.1	49 400*	40.9	151.1	62 300*	47.8	156.6	75 500*				96.0
100.0	12.3	113.4	33 800*	27.5	135.0	43 800*	36.9	146.0	55 800*	44.3	152.6	68 600*	50.7	156.4	70 700*	100.0
104.0				21.3	125.9	38 800*	32.4	140.0	49 700*	40.6	148.2	61 800*	47.3	152.9	66 600*	104.0
108.0				12.2	112.1	34 500*	27.2	132.9	44 100*	36.5	143.0	55 400*	43.8	148.9	62 800*	108.0
112.0							20.9	123.7	39 100*	32.0	137.0	49 400*	40.0	144.3	59 200*	112.0
116.0							11.6	109.4	34 900*	26.7	129.7	43 900*	35.8	139.0	54 600*	116.0
120.0										20.3	120.2	39 000*	31.2	132.8	48 800*	120.0
124.0										10.4	105.0	34 800*	25.9	125.3	43 400*	124.0
128.0													19.1	115.3	38 600*	128.0
132.0													7.8	97.8	34 700*	132.0

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
509 840 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



97.5m (320 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			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
22.9			c													22.9
24.0			c													24.0
26.0			c													26.0
28.0			c													28.0
30.0	60.3	132.2	210 400*b													30.0
32.0	56.5	130.9	199 800*b													32.0
34.0	52.6	129.4	188 300*b			c										34.0
36.0	48.5	127.6	177 300*b			c										36.0
38.0	44.0	125.6	166 900*			c										38.0
40.0	39.1	123.2	157 300*	57.5	130.0	220 300*b										40.0
42.0	33.6	120.3	148 800*	53.6	128.6	212 700*b										42.0
44.0	27.1	116.7	141 400*	49.5	126.9	205 100*b										44.0
46.0	18.5	111.5	135 700*	45.1	124.9	197 700*b	61.8	129.6	217 100*b							46.0
48.0				40.4	122.6	189 200*	58.1	128.3	210 700*b							48.0
50.0				35.0	119.9	178 800*	54.3	126.9	203 800*b							50.0
52.0				28.8	116.5	169 500*	50.2	125.3	196 700*b							52.0
54.0				20.9	111.8	161 400*	45.9	123.4	189 700*b							54.0
56.0							41.2	121.2	182 700*							56.0
58.0							36.0	118.5	175 700*	54.6	124.4	175 800*b				58.0
60.0							30.0	115.2	168 700*	50.5	122.8	169 100*b				60.0
62.0							22.5	110.9	161 700*	46.2	120.9	162 800*b				62.0
64.0							10.1	103.3	154 100*	41.6	118.7	156 900*				64.0
66.0										36.4	116.1	151 200*				66.0
68.0										30.5	112.9	145 900*	50.3	119.3	136 200*b	68.0
70.0										23.1	108.6	140 700*	46.0	117.4	131 500*b	70.0
72.0													41.3	115.2	127 100*	72.0
74.0													36.1	112.6	122 900*	74.0
76.0													30.1	109.3	118 700*	76.0

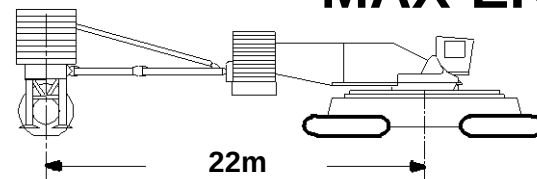
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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
509 840 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**

97.5m (320 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			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
24.4			c													24.4
26.0			c													26.0
28.0			c													28.0
30.0	64.9	139.1	194 000*b													30.0
32.0	61.9	138.1	189 000*b													32.0
34.0	58.7	136.9	179 100*b													34.0
36.0	55.5	135.5	169 300*b													36.0
38.0	52.1	134.0	159 800*													38.0
40.0	48.5	132.2	150 700*	62.6	137.2	211 000*b										40.0
42.0	44.8	130.2	142 200*	59.5	136.0	204 700*b										42.0
44.0	40.7	128.0	134 300*	56.3	134.7	198 200*b										44.0
46.0	36.3	125.3	127 100*	52.9	133.2	191 500*b										46.0
48.0	31.2	122.2	120 700*	49.4	131.5	183 000*	63.1	135.4	201 000*b							48.0
50.0	25.3	118.2	115 200*	45.7	129.6	173 600*	60.1	134.3	195 800*b							50.0
52.0	17.5	112.7	111 000*	41.7	127.4	164 600*	56.9	133.0	190 100*b							52.0
54.0				37.4	124.8	156 000*	53.5	131.5	184 300*b							54.0
56.0				32.5	121.8	147 900*	50.0	129.9	178 300*							56.0
58.0				26.9	118.1	140 600*	46.4	128.0	172 400*							58.0
60.0				19.6	113.1	134 200*	42.4	125.9	166 500*	57.1	130.5	167 000*b				60.0
62.0							38.2	123.4	160 600*	53.8	129.0	160 800*b				62.0
64.0							33.4	120.5	154 800*	50.3	127.4	155 000*				64.0
66.0							27.9	116.9	149 000*	46.6	125.5	149 500*				66.0
68.0							21.1	112.2	143 200*	42.7	123.4	144 300*				68.0
70.0							10.1	104.3	136 800*	38.5	120.9	139 300*				70.0
72.0										33.8	118.1	134 600*	50.1	123.9	125 000*	72.0
74.0										28.3	114.6	130 000*	46.4	122.1	120 900*	74.0
76.0										21.6	110.0	125 700*	42.5	119.9	117 000*	76.0
80.0													33.5	114.5	109 600*	80.0
84.0													21.2	106.3	102 600*	84.0

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

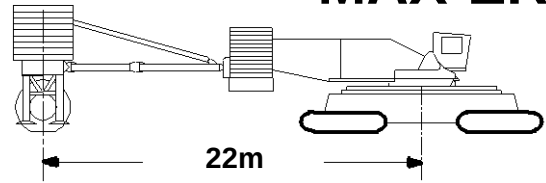
**Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).**

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
509 840 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



97.5m (320 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			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
25.9			c													25.9
26.0			c													26.0
28.0			c													28.0
30.0	68.3	145.8	177 300*b													30.0
32.0	65.7	144.9	175 300*b													32.0
34.0	63.0	143.9	170 300*b													34.0
36.0	60.3	142.8	161 500*b													36.0
38.0	57.6	141.5	153 200*													38.0
40.0	54.7	140.1	145 000*	66.3	144.0	201 400*b										40.0
42.0	51.7	138.6	137 200*	63.7	143.0	196 100*b										42.0
44.0	48.6	136.8	129 800*	61.0	141.9	190 600*b										44.0
46.0	45.3	134.9	122 800*	58.2	140.7	184 200*b										46.0
48.0	41.8	132.7	116 200*	55.4	139.3	176 300*										48.0
50.0	38.1	130.2	110 100*	52.4	137.8	168 300*										50.0
52.0	34.0	127.3	104 600*	49.4	136.1	160 200*	61.5	140.2	182 200*b							52.0
54.0	29.3	123.9	99 700*	46.1	134.2	152 400*	58.7	139.0	177 600*b							54.0
56.0	23.9	119.7	95 500*	42.7	132.1	144 800*	55.9	137.6	172 700*							56.0
58.0	16.7	113.9	92 300*	39.0	129.6	137 500*	53.0	136.1	167 700*							58.0
60.0				35.0	126.9	130 600*	49.9	134.5	162 600*							60.0
62.0				30.5	123.6	124 200*	46.7	132.6	157 600*							62.0
64.0				25.3	119.6	118 400*	43.3	130.5	152 500*	56.1	135.1	153 400*				64.0
66.0				18.7	114.4	113 300*	39.7	128.2	147 500*	53.2	133.6	148 000*				66.0
68.0							35.7	125.5	142 600*	50.1	132.0	142 900*				68.0
70.0							31.3	122.3	137 700*	46.9	130.1	138 000*				70.0
72.0							26.3	118.5	132 800*	43.6	128.1	133 400*				72.0
74.0							20.0	113.5	127 900*	40.0	125.7	129 000*	53.0	130.2	119 400*	74.0
76.0							10.1	105.4	122 500*	36.0	123.0	124 800*	50.0	128.5	115 500*	76.0
80.0										26.7	116.2	116 900*	43.4	124.6	108 300*	80.0
84.0													35.8	119.5	101 700*	84.0
88.0													26.4	112.6	95 500*	88.0

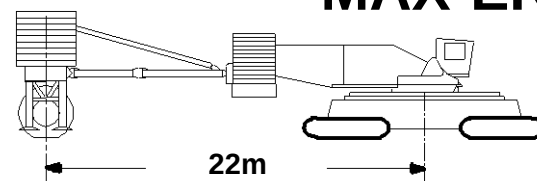
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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
509 840 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**

97.5m (320 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			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
27.4			c													27.4
28.0			c													28.0
30.0	70.8	152.4	160 200*b													30.0
32.0	68.5	151.6	159 200*b													32.0
34.0	66.3	150.7	157 500*b													34.0
36.0	63.9	149.8	153 400*b													36.0
38.0	61.6	148.7	146 000*													38.0
40.0	59.1	147.5	138 900*	69.1	150.6	177 000*b										40.0
42.0	56.6	146.2	131 900*	66.8	149.8	177 000*b										42.0
44.0	54.1	144.7	125 200*	64.5	148.8	177 000*b										44.0
46.0	51.4	143.2	118 800*	62.1	147.8	173 900*										46.0
48.0	48.6	141.4	112 600*	59.7	146.6	167 800*										48.0
50.0	45.8	139.5	106 700*	57.3	145.3	161 400*										50.0
52.0	42.7	137.4	101 300*	54.7	143.9	154 700*										52.0
54.0	39.5	135.0	96 200*	52.1	142.4	148 000*	62.6	146.0	166 300*b							54.0
56.0	36.0	132.3	91 500*	49.3	140.7	141 200*	60.2	144.9	162 600*							56.0
58.0	32.1	129.2	87 200*	46.5	138.8	134 500*	57.7	143.6	158 700*							58.0
60.0	27.8	125.6	83 500*	43.4	136.7	128 100*	55.2	142.3	154 500*							60.0
62.0	22.7	121.1	80 300*	40.3	134.4	122 000*	52.5	140.7	150 300*							62.0
64.0	16.0	115.1	77 900*	36.8	131.8	116 000*	49.8	139.1	146 000*							64.0
66.0				33.1	128.8	110 500*	47.0	137.2	141 700*	57.9	141.1	145 700*				66.0
68.0				28.9	125.3	105 400*	44.0	135.2	137 500*	55.3	139.7	140 600*				68.0
70.0				24.0	121.1	100 700*	40.8	132.9	133 300*	52.7	138.2	135 900*				70.0
72.0				17.9	115.6	96 800*	37.4	130.4	129 100*	50.0	136.6	131 300*				72.0
74.0							33.7	127.4	125 000*	47.2	134.7	127 000*				74.0
76.0							29.6	124.1	120 900*	44.2	132.7	122 900*				76.0
80.0							19.1	114.8	112 500*	37.7	127.9	115 200*	49.9	133.1	106 100*	80.0
84.0										30.0	121.7	108 200*	44.0	129.3	99 600*	84.0
88.0										19.6	112.6	101 600*	37.5	124.4	93 700*	88.0
92.0													29.7	118.2	88 100*	92.0
96.0													19.2	108.9	82 900*	96.0

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).

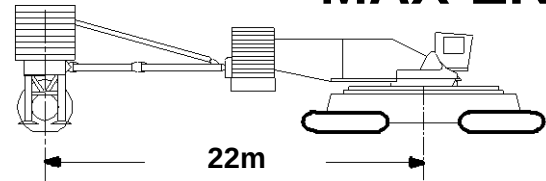
Liftcrane Luffing Jib Capacities

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
509 840 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

97.5m (320 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

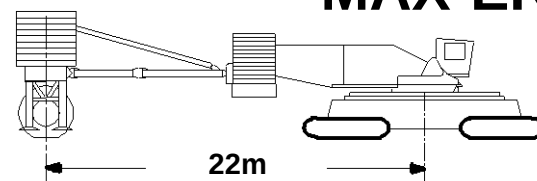
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
29.0	73.8	159.2	145 000*													29.0
30.0	72.8	158.8	145 000*													30.0
32.0	70.8	158.1	144 700*													32.0
34.0	68.8	157.4	143 900*													34.0
36.0	66.7	156.5	142 700*													36.0
38.0	64.7	155.6	138 500*													38.0
40.0	62.5	154.5	132 400*													40.0
42.0	60.4	153.4	126 300*													42.0
44.0	58.2	152.2	120 400*	67.2	155.5	165 800*										44.0
46.0	55.9	150.8	114 600*	65.2	154.6	162 600*										46.0
48.0	53.6	149.4	109 000*	63.1	153.6	158 200*										48.0
50.0	51.2	147.8	103 600*	60.9	152.5	153 400*										50.0
52.0	48.7	146.0	98 400*	58.7	151.3	148 100*										52.0
54.0	46.1	144.1	93 500*	56.5	150.0	142 600*										54.0
56.0	43.4	142.0	88 900*	54.1	148.5	136 800*	63.4	151.9	154 400*							56.0
58.0	40.5	139.7	84 700*	51.8	147.0	131 100*	61.3	150.8	151 500*							58.0
60.0	37.5	137.2	80 700*	49.3	145.3	125 300*	59.1	149.6	148 200*							60.0
62.0	34.2	134.3	77 000*	46.7	143.4	119 700*	56.9	148.3	144 800*							62.0
64.0	30.6	131.0	73 700*	44.0	141.4	114 200*	54.6	146.9	141 200*							64.0
66.0	26.5	127.2	70 800*	41.2	139.1	108 900*	52.2	145.3	137 500*							66.0
68.0	21.7	122.5	68 300*	38.2	136.6	103 900*	49.7	143.7	133 800*							68.0
70.0	15.5	116.2	66 400*	35.0	133.8	99 100*	47.2	141.8	130 100*	57.0	145.8	134 100*				70.0
72.0				31.5	130.7	94 600*	44.5	139.8	126 400*	54.7	144.4	129 700*				72.0
74.0				27.5	127.0	90 500*	41.7	137.6	122 700*	52.4	142.8	125 400*				74.0
76.0				23.0	122.6	86 700*	38.7	135.2	119 100*	49.9	141.2	121 400*				76.0
80.0							32.1	129.3	112 000*	44.7	137.3	113 800*				80.0
84.0							23.8	121.5	104 800*	39.0	132.7	106 900*	49.8	137.7	98 000*	84.0
88.0							10.2	107.6	97 100*	32.4	127.0	100 600*	44.6	133.9	92 200*	88.0
92.0										24.2	119.2	94 700*	38.8	129.2	86 800*	92.0
96.0										11.0	105.8	88 900*	32.2	123.4	81 800*	96.0
100.0													23.9	115.6	77 100*	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
509 840 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**

97.5m (320 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			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
30.5	74.0	165.1	132 100*													30.5
32.0	72.6	164.6	130 700*													32.0
34.0	70.8	163.9	130 400*													34.0
36.0	69.0	163.1	129 800*													36.0
38.0	67.1	162.3	128 900*													38.0
40.0	65.2	161.4	125 100*													40.0
42.0	63.3	160.4	119 900*													42.0
44.0	61.4	159.3	114 800*													44.0
46.0	59.4	158.1	109 800*	67.6	161.3	148 000*										46.0
48.0	57.4	156.8	104 800*	65.7	160.4	146 900*										48.0
50.0	55.3	155.5	99 900*	63.8	159.4	143 800*										50.0
52.0	53.2	154.0	95 200*	61.9	158.4	139 900*										52.0
54.0	51.0	152.4	90 700*	59.9	157.2	135 500*										54.0
56.0	48.7	150.6	86 400*	57.9	156.0	131 000*										56.0
58.0	46.4	148.7	82 300*	55.8	154.6	126 200*	64.1	157.7	142 700*							58.0
60.0	43.9	146.7	78 400*	53.7	153.2	121 300*	62.2	156.7	140 400*							60.0
62.0	41.3	144.4	74 800*	51.5	151.6	116 400*	60.2	155.5	137 700*							62.0
64.0	38.6	142.0	71 400*	49.3	149.9	111 500*	58.2	154.3	134 900*							64.0
66.0	35.8	139.3	68 200*	46.9	148.0	106 700*	56.2	152.9	131 900*							66.0
68.0	32.6	136.2	65 300*	44.5	146.0	102 000*	54.1	151.5	128 700*							68.0
70.0	29.2	132.8	62 700*	42.0	143.8	97 600*	51.9	150.0	125 500*							70.0
72.0	25.4	128.8	60 400*	39.3	141.4	93 200*	49.7	148.3	122 300*	58.4	151.7	124 300*				72.0
74.0	20.9	123.9	58 500*	36.5	138.8	89 100*	47.3	146.4	119 100*	56.3	150.4	122 200*				74.0
76.0	15.1	117.4	57 000*	33.4	135.8	85 200*	44.9	144.5	115 800*	54.2	149.0	119 100*				76.0
80.0				26.4	128.6	78 200*	39.8	139.9	109 400*	49.8	145.8	111 600*				80.0
84.0				16.7	118.0	72 500*	34.0	134.4	103 100*	45.1	142.0	104 800*	54.1	145.6	95 600*	84.0
88.0							27.0	127.4	96 900*	40.0	137.5	98 600*	49.7	142.3	89 900*	88.0
92.0							17.7	117.3	90 600*	34.2	132.0	92 900*	45.0	138.5	84 600*	92.0
96.0										27.3	125.1	87 600*	39.8	134.0	79 800*	96.0
100.0										18.1	115.1	82 500*	34.0	128.5	75 200*	100.0
104.0													27.1	121.5	70 900*	104.0
108.0													17.8	111.4	66 800*	108.0

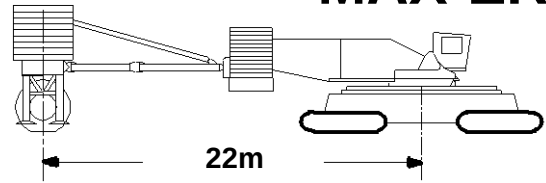
Capacities indicated by **(b)** require
16 780 kg minimum weight suspended
beneath luffing jib point.

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
509 840 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



97.5m (320 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

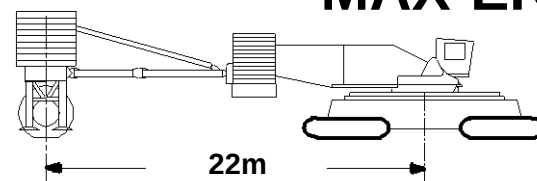
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
32.0	74.1	171.0	117 800*													32.0
34.0	72.5	170.4	117 800*													34.0
36.0	70.8	169.7	117 800*													36.0
38.0	69.1	168.9	117 400*													38.0
40.0	67.4	168.1	116 600*													40.0
42.0	65.7	167.2	113 700*													42.0
44.0	64.0	166.2	109 200*													44.0
46.0	62.2	165.1	104 900*	69.5	167.9	132 300*										46.0
48.0	60.4	164.0	100 600*	67.8	167.1	132 300*										48.0
50.0	58.6	162.8	96 400*	66.1	166.2	132 300*										50.0
52.0	56.7	161.5	92 200*	64.4	165.3	130 900*										52.0
54.0	54.8	160.1	88 100*	62.6	164.2	127 700*										54.0
56.0	52.8	158.6	84 200*	60.8	163.1	124 300*										56.0
58.0	50.8	157.0	80 400*	59.0	161.9	120 600*										58.0
60.0	48.7	155.2	76 800*	57.2	160.6	116 700*										60.0
62.0	46.6	153.4	73 300*	55.3	159.3	112 600*	62.9	162.5	129 600*							62.0
64.0	44.4	151.3	70 000*	53.3	157.8	108 500*	61.2	161.4	127 500*							64.0
66.0	42.0	149.1	67 000*	51.3	156.2	104 300*	59.3	160.2	125 200*							66.0
68.0	39.6	146.8	64 100*	49.2	154.5	100 200*	57.5	159.0	122 800*							68.0
70.0	37.0	144.2	61 400*	47.1	152.6	96 100*	55.6	157.6	120 000*							70.0
72.0	34.3	141.3	58 900*	44.9	150.7	92 200*	53.6	156.1	117 200*							72.0
74.0	31.3	138.1	56 600*	42.6	148.5	88 300*	51.7	154.6	114 400*							74.0
76.0	28.1	134.5	54 500*	40.2	146.2	84 600*	49.6	152.9	111 600*	57.6	156.4	112 900*				76.0
80.0	20.2	125.2	51 200*	35.0	140.8	77 800*	45.3	149.1	105 800*	53.8	153.6	108 900*				80.0
84.0				28.9	134.2	71 600*	40.6	144.7	100 200*	49.8	150.4	103 100*				84.0
88.0				21.3	125.3	66 400*	35.4	139.4	94 600*	45.5	146.6	96 900*	53.7	150.2	88 000*	88.0
92.0							29.5	132.9	89 000*	40.8	142.2	91 300*	49.6	146.9	82 800*	92.0
96.0							22.0	124.3	83 400*	35.6	137.0	86 100*	45.3	143.2	77 900*	96.0
100.0							10.2	109.7	77 300*	29.7	130.6	81 200*	40.7	138.7	73 500*	100.0
104.0										22.4	122.1	76 600*	35.5	133.5	69 300*	104.0
108.0										10.8	107.9	71 600*	29.5	127.0	65 400*	108.0
112.0													22.1	118.5	61 700*	112.0

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
509 840 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**

97.5m (320 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			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
33.5	74.2	176.9	106 000*													33.5
34.0	73.9	176.7	106 000*													34.0
36.0	72.3	176.1	106 000*													36.0
38.0	70.8	175.4	106 000*													38.0
40.0	69.3	174.7	105 900*													40.0
42.0	67.7	173.8	105 300*													42.0
44.0	66.1	173.0	102 900*													44.0
46.0	64.5	172.0	99 100*													46.0
48.0	62.9	171.0	95 500*													48.0
50.0	61.2	169.9	91 800*	68.1	172.9	118 800*										50.0
52.0	59.6	168.7	88 200*	66.5	172.0	118 800*										52.0
54.0	57.9	167.5	84 600*	64.9	171.1	118 300*										54.0
56.0	56.1	166.1	81 000*	63.3	170.1	116 200*										56.0
58.0	54.4	164.7	77 600*	61.6	169.0	113 400*										58.0
60.0	52.5	163.2	74 300*	60.0	167.8	110 400*										60.0
62.0	50.7	161.6	71 100*	58.3	166.6	107 300*										62.0
64.0	48.8	159.8	68 000*	56.6	165.3	103 900*	63.6	168.3	119 300*							64.0
66.0	46.8	158.0	65 000*	54.8	163.9	100 400*	61.9	167.3	117 800*							66.0
68.0	44.7	156.0	62 300*	53.0	162.4	96 900*	60.3	166.1	115 900*							68.0
70.0	42.6	153.8	59 600*	51.1	160.8	93 300*	58.6	164.9	113 800*							70.0
72.0	40.4	151.5	57 200*	49.2	159.1	89 800*	56.9	163.6	111 700*							72.0
74.0	38.1	149.0	54 800*	47.3	157.2	86 400*	55.1	162.2	109 400*							74.0
76.0	35.6	146.2	52 600*	45.2	155.3	83 000*	53.3	160.7	106 900*							76.0
80.0	30.2	139.9	48 800*	40.9	150.9	76 500*	49.6	157.5	101 900*	57.0	161.1	102 600*				80.0
84.0	23.6	131.7	45 600*	36.2	145.7	70 500*	45.6	153.7	96 900*	53.4	158.2	99 100*				84.0
88.0	14.4	119.6	43 600*	30.9	139.5	65 100*	41.3	149.4	91 900*	49.7	155.0	94 700*				88.0
92.0				24.5	131.7	60 400*	36.7	144.3	86 900*	45.7	151.2	89 200*	53.3	154.8	80 500*	92.0
96.0				15.8	120.3	56 700*	31.4	138.2	82 000*	41.5	146.9	84 100*	49.6	151.5	75 700*	96.0
100.0							25.1	130.5	77 000*	36.8	141.9	79 300*	45.6	147.8	71 300*	100.0
104.0							16.7	119.7	71 900*	31.6	135.8	74 800*	41.4	143.5	67 200*	104.0
108.0										25.4	128.2	70 600*	36.7	138.4	63 400*	108.0
112.0										17.1	117.5	66 400*	31.4	132.3	59 800*	112.0
116.0													25.2	124.6	56 400*	116.0
120.0													16.8	113.8	53 100*	120.0

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

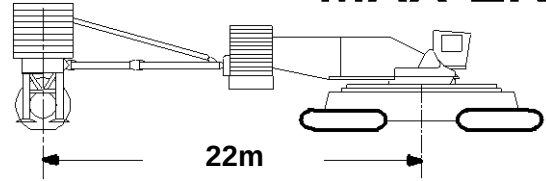
90 720 kg Carbody Counterweight

509 840 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



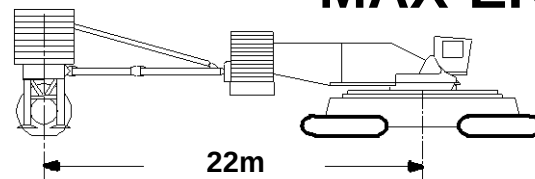
97.5m (320 Ft.) Boom, 85.3m (280 Ft.) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
35.1	74.3	182.8	95 400*													35.1
36.0	73.6	182.5	95 400*													36.0
38.0	72.2	181.9	95 400*													38.0
40.0	70.8	181.2	95 400*													40.0
42.0	69.4	180.4	95 400*													42.0
44.0	67.9	179.6	95 200*													44.0
46.0	66.5	178.7	93 300*													46.0
48.0	65.0	177.8	90 200*													48.0
50.0	63.5	176.8	87 100*													50.0
52.0	62.0	175.8	83 900*	68.3	178.6	105 800*										52.0
54.0	60.4	174.6	80 800*	66.8	177.8	105 800*										54.0
56.0	58.9	173.4	77 800*	65.3	176.9	105 800*										56.0
58.0	57.3	172.1	74 700*	63.8	175.9	105 700*										58.0
60.0	55.6	170.8	71 600*	62.3	174.8	103 500*										60.0
62.0	54.0	169.3	68 700*	60.8	173.7	101 200*										62.0
64.0	52.3	167.8	65 900*	59.2	172.5	98 600*										64.0
66.0	50.6	166.2	63 200*	57.6	171.3	95 800*	64.1	174.1	107 400*							66.0
68.0	48.8	164.4	60 600*	56.0	169.9	92 900*	62.6	173.1	107 400*							68.0
70.0	46.9	162.6	58 000*	54.4	168.5	90 000*	61.1	172.0	107 200*							70.0
72.0	45.1	160.6	55 700*	52.7	167.0	87 000*	59.5	170.8	105 600*							72.0
74.0	43.1	158.5	53 400*	51.0	165.4	83 900*	57.9	169.6	103 800*							74.0
76.0	41.1	156.2	51 200*	49.2	163.7	80 900*	56.3	168.3	101 900*							76.0
80.0	36.7	151.1	47 300*	45.5	159.9	75 100*	53.0	165.4	97 900*							80.0
84.0	31.9	145.1	43 900*	41.6	155.6	69 500*	49.5	162.1	93 400*	56.4	165.7	93 400*				84.0
88.0	26.2	137.7	41 100*	37.3	150.6	64 300*	45.8	158.3	89 000*	53.1	162.8	90 400*				88.0
92.0	19.0	127.8	38 900*	32.5	144.7	59 500*	41.9	154.1	84 500*	49.6	159.6	86 800*				92.0
96.0	5.8	108.5	38 300*	27.0	137.5	55 300*	37.7	149.2	79 800*	46.0	155.8	82 400*	53.0	159.4	73 900*	96.0
100.0				20.0	128.0	51 800*	32.9	143.4	73 000*	42.1	151.6	77 700*	49.5	156.1	69 600*	100.0
104.0							27.5	136.3	66 700*	37.8	146.7	73 300*	45.9	152.4	65 500*	104.0
108.0							20.7	127.1	61 000*	33.1	141.0	69 200*	42.0	148.1	61 800*	108.0
112.0							10.2	111.9	56 100*	27.7	134.0	65 400*	37.7	143.2	58 300*	112.0
116.0										21.0	124.8	61 700*	33.0	137.4	55 000*	116.0
120.0										10.7	110.1	56 800*	27.5	130.4	51 800*	120.0
124.0													20.8	121.2	48 800*	124.0
128.0													10.3	106.1	45 700*	128.0

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
509 840 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**

97.5m (320 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			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
36.6	74.4	188.7	85 600*													36.6
38.0	73.5	188.3	85 600*													38.0
40.0	72.1	187.6	85 600*													40.0
42.0	70.8	186.9	85 600*													42.0
44.0	69.5	186.2	85 600*													44.0
46.0	68.1	185.4	85 600*													46.0
48.0	66.8	184.5	84 600*													48.0
50.0	65.4	183.6	81 800*													50.0
52.0	64.0	182.6	79 100*	69.8	185.2	93 800*										52.0
54.0	62.6	181.6	76 500*	68.5	184.4	93 800*										54.0
56.0	61.2	180.5	73 900*	67.1	183.6	93 800*										56.0
58.0	59.7	179.3	71 200*	65.7	182.7	93 800*										58.0
60.0	58.2	178.1	68 500*	64.3	181.7	93 800*										60.0
62.0	56.7	176.8	65 900*	62.9	180.7	93 700*										62.0
64.0	55.2	175.4	63 400*	61.5	179.6	92 200*										64.0
66.0	53.7	174.0	60 900*	60.1	178.5	90 100*										66.0
68.0	52.1	172.4	58 500*	58.6	177.2	87 900*										68.0
70.0	50.4	170.8	56 200*	57.1	175.9	85 500*	63.2	179.0	94 900*							70.0
72.0	48.8	169.0	53 900*	55.6	174.6	83 100*	61.7	177.9	94 900*							72.0
74.0	47.1	167.2	51 800*	54.0	173.1	80 600*	60.3	176.7	94 900*							74.0
76.0	45.3	165.2	49 700*	52.5	171.6	78 000*	58.8	175.5	94 900*							76.0
80.0	41.6	160.9	45 900*	49.2	168.3	72 900*	55.8	172.9	92 300*							80.0
84.0	37.7	156.0	42 500*	45.8	164.5	67 800*	52.7	170.0	85 900*	58.9	173.0	85 400*				84.0
88.0	33.3	150.2	39 500*	42.1	160.3	63 100*	49.5	166.7	78 800*	56.0	170.4	84 500*				88.0
92.0	28.3	143.3	36 900*	38.2	155.4	56 900*	46.1	163.0	71 700*	52.8	167.4	81 900*				92.0
96.0	22.3	134.6	34 800*	33.8	149.8	50 900*	42.4	158.8	64 800*	49.6	164.2	78 200*				96.0
100.0	13.9	121.9	33 500*	28.9	143.1	45 200*	38.5	154.0	58 200*	46.2	160.5	71 700*	52.8	164.0	67 300*	100.0
104.0				23.1	134.6	40 100*	34.2	148.4	52 000*	42.6	156.3	65 100*	49.5	160.7	63 300*	104.0
108.0				15.1	122.6	35 500*	29.4	141.8	46 300*	38.7	151.5	58 600*	46.1	157.0	59 600*	108.0
112.0							23.6	133.5	41 100*	34.4	146.0	52 500*	42.5	152.8	56 100*	112.0
116.0							16.0	122.0	36 500*	29.6	139.4	46 800*	38.5	148.0	52 900*	116.0
120.0										23.9	131.2	41 600*	34.3	142.5	49 800*	120.0
124.0										16.3	119.9	36 900*	29.4	135.9	46 700*	124.0
128.0													23.7	127.6	41 700*	128.0
132.0													16.1	116.2	37 100*	132.0

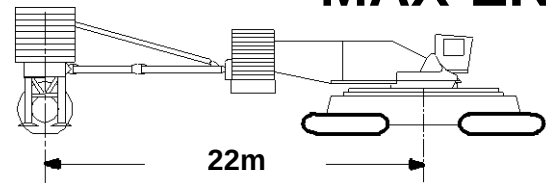
Liftcrane Luffing Jib Capacities

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
 509 840 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

103.6m (340 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			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
22.9			c													22.9
24.0			c													24.0
26.0			c													26.0
28.0			c													28.0
30.0			c													30.0
32.0	57.6	137.3	184 100*b													32.0
34.0	53.7	135.9	174 100*b													34.0
36.0	49.6	134.2	164 300*b			c										36.0
38.0	45.2	132.2	155 000*b			c										38.0
40.0	40.5	130.0	146 500*	59.4	136.7	204 200*b										40.0
42.0	35.2	127.2	138 700*	55.7	135.4	197 200*b										42.0
44.0	29.0	123.8	131 800*	51.7	133.8	190 200*b										44.0
46.0	21.1	119.2	126 300*	47.5	132.0	183 400*b										46.0
48.0				42.9	129.9	176 200*b										48.0
50.0				37.9	127.4	167 400*	57.3	133.9	186 000*b							50.0
52.0				32.3	124.4	158 900*	53.4	132.5	179 800*b							52.0
54.0				25.4	120.5	151 200*	49.3	130.8	173 400*b							54.0
56.0				15.8	114.7	144 900*	44.9	128.8	167 100*b							56.0
58.0							40.2	126.5	160 700*	58.5	131.6	169 600*b				58.0
60.0							34.8	123.8	154 400*	54.7	130.2	164 500*b				60.0
62.0							28.6	120.3	148 100*	50.7	128.6	158 500*b				62.0
64.0							20.5	115.6	141 600*	46.4	126.7	152 700*b				64.0
66.0										41.8	124.5	147 200*				66.0
68.0										36.6	121.9	142 000*				68.0
70.0										30.8	118.7	136 400*	51.5	125.4	126 700*b	70.0
72.0										23.5	114.6	130 400*	47.3	123.5	122 500*b	72.0
74.0													42.7	121.4	118 400*	74.0
76.0													37.7	118.9	114 500*	76.0
80.0													25.0	111.9	107 000*	80.0

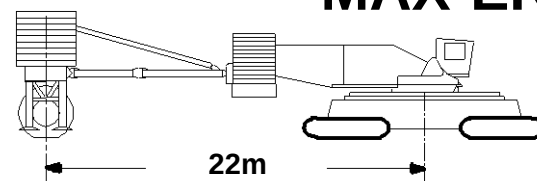
Capacities indicated by (b) require
 16 780 kg minimum weight suspended
 beneath luffing jib point.

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

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
509 840 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**

103.6m (340 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			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
24.4			c													24.4
26.0			c													26.0
28.0			c													28.0
30.0			c													30.0
32.0	62.7	144.4	171 300*b													32.0
34.0	59.6	143.3	165 400*b													34.0
36.0	56.4	141.9	156 500*b													36.0
38.0	53.0	140.5	148 100*b													38.0
40.0	49.5	138.8	140 000*	64.2	143.7	194 000*b										40.0
42.0	45.8	136.9	132 400*	61.2	142.6	189 600*b										42.0
44.0	41.8	134.7	125 300*	58.0	141.4	183 300*b										44.0
46.0	37.5	132.1	118 700*	54.7	140.0	177 400*b										46.0
48.0	32.6	129.1	112 800*	51.3	138.4	170 200*b										48.0
50.0	27.0	125.5	107 600*	47.7	136.6	161 900*	62.5	141.1	178 000*b							50.0
52.0	19.9	120.5	103 500*	43.9	134.6	153 900*	59.4	139.9	173 000*b							52.0
54.0				39.7	132.2	146 100*	56.2	138.6	167 800*b							54.0
56.0				35.2	129.5	138 900*	52.8	137.1	162 500*b							56.0
58.0				30.0	126.2	132 200*	49.3	135.4	157 100*							58.0
60.0				23.7	122.0	126 100*	45.6	133.5	151 700*							60.0
62.0				15.1	115.8	121 200*	41.6	131.3	146 300*	57.2	136.2	153 300*b				62.0
64.0							37.2	128.7	141 000*	53.9	134.8	148 900*b				64.0
66.0							32.3	125.7	135 700*	50.5	133.2	144 100*				66.0
68.0							26.6	121.9	130 500*	46.8	131.3	139 400*				68.0
70.0							19.3	116.9	125 100*	42.9	129.2	134 600*				70.0
72.0										38.7	126.8	129 800*				72.0
74.0										34.0	123.9	125 000*	51.1	130.0	116 200*	74.0
76.0										28.6	120.4	120 200*	47.5	128.2	112 400*	76.0
80.0													39.5	123.7	105 300*	80.0
84.0													29.7	117.6	98 800*	84.0
88.0													14.5	107.0	92 400*	88.0

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

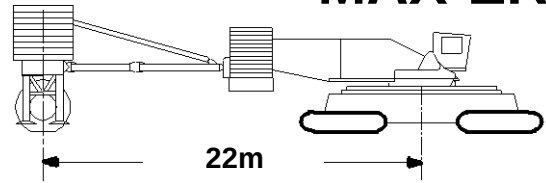
**Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).**

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
509 840 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



103.6m (340 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			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
25.9			c													25.9
26.0			c													26.0
28.0			c													28.0
30.0			c													30.0
32.0	66.4	151.3	156 800*b													32.0
34.0	63.8	150.3	154 500*b													34.0
36.0	61.1	149.2	149 400*b													36.0
38.0	58.3	147.9	141 700*b													38.0
40.0	55.5	146.6	134 500*	67.7	150.5	177 000*b										40.0
42.0	52.5	145.1	127 500*	65.1	149.5	176 700*b										42.0
44.0	49.4	143.4	120 900*	62.4	148.5	173 300*b										44.0
46.0	46.2	141.5	114 500*	59.7	147.3	168 200*b										46.0
48.0	42.8	139.4	108 600*	56.9	146.0	162 900*b										48.0
50.0	39.1	137.0	103 100*	54.0	144.6	156 400*										50.0
52.0	35.1	134.2	98 000*	51.0	143.0	149 300*	63.6	146.9	162 700*b							52.0
54.0	30.6	131.0	93 400*	47.9	141.2	142 400*	60.9	145.8	158 700*b							54.0
56.0	25.4	127.0	89 500*	44.5	139.2	135 600*	58.1	144.6	154 400*b							56.0
58.0	18.9	121.8	86 500*	41.0	137.0	129 000*	55.3	143.2	150 000*							58.0
60.0				37.2	134.4	122 800*	52.3	141.7	145 500*							60.0
62.0				33.0	131.4	117 000*	49.2	140.0	141 000*							62.0
64.0				28.2	127.9	111 600*	46.0	138.1	136 400*	59.1	142.2	140 900*b				64.0
66.0				22.4	123.4	106 800*	42.6	135.9	131 900*	56.2	140.9	137 400*				66.0
68.0				14.5	117.0	102 900*	38.9	133.5	127 500*	53.3	139.4	133 600*				68.0
70.0							34.8	130.7	123 100*	50.3	137.8	129 700*				70.0
72.0							30.3	127.5	118 700*	47.1	135.9	125 700*				72.0
74.0							25.1	123.4	114 300*	43.7	133.9	121 600*				74.0
76.0							18.4	118.1	109 900*	40.1	131.6	117 600*				76.0
80.0										31.9	125.8	109 500*	47.7	132.8	103 900*	80.0
84.0										20.8	117.3	101 300*	40.8	128.5	97 600*	84.0
88.0													32.7	122.9	91 700*	88.0
92.0													22.1	114.8	86 100*	92.0

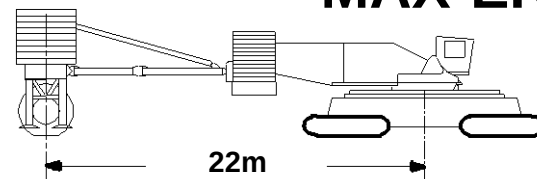
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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
509 840 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**

103.6m (340 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			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
27.4			c													27.4
28.0			c													28.0
30.0			c													30.0
32.0	69.1	157.9	143 200*b													32.0
34.0	66.9	157.0	141 900*b													34.0
36.0	64.6	156.1	139 900*b													36.0
38.0	62.2	155.0	134 700*													38.0
40.0	59.8	153.9	128 300*													40.0
42.0	57.3	152.6	122 100*	68.0	156.2	165 000*b										42.0
44.0	54.8	151.2	116 100*	65.7	155.3	163 800*b										44.0
46.0	52.1	149.7	110 200*	63.4	154.3	159 800*b										46.0
48.0	49.4	148.0	104 700*	61.0	153.2	154 700*										48.0
50.0	46.5	146.1	99 400*	58.6	152.0	149 200*										50.0
52.0	43.5	144.0	94 400*	56.1	150.7	143 400*										52.0
54.0	40.3	141.7	89 800*	53.5	149.2	137 500*										54.0
56.0	36.9	139.1	85 500*	50.8	147.6	131 500*	62.1	151.7	147 200*							56.0
58.0	33.2	136.2	81 600*	48.0	145.8	125 600*	59.6	150.5	143 700*							58.0
60.0	29.0	132.7	78 100*	45.1	143.9	119 900*	57.2	149.2	140 000*							60.0
62.0	24.1	128.5	75 000*	42.0	141.7	114 200*	54.6	147.8	136 100*							62.0
64.0	18.0	123.0	72 700*	38.7	139.2	108 900*	52.0	146.3	132 200*							64.0
66.0				35.1	136.4	103 900*	49.2	144.6	128 300*							66.0
68.0				31.2	133.3	99 200*	46.3	142.7	124 400*	58.0	146.9	127 700*				68.0
70.0				26.7	129.5	94 800*	43.3	140.6	120 500*	55.4	145.5	124 700*				70.0
72.0				21.3	124.8	91 000*	40.1	138.3	116 600*	52.8	144.0	121 300*				72.0
74.0				14.0	118.1	87 900*	36.7	135.7	112 800*	50.1	142.4	118 000*				74.0
76.0							32.9	132.7	109 100*	47.3	140.5	114 500*				76.0
80.0							23.8	124.9	101 500*	41.2	136.3	107 500*	53.3	140.8	101 600*	80.0
84.0										34.2	130.9	100 500*	47.8	137.4	95 300*	84.0
88.0										25.5	123.6	93 500*	41.8	133.2	89 700*	88.0
92.0													34.9	127.9	84 400*	92.0
96.0													26.4	120.9	79 400*	96.0
100.0													13.6	109.2	74 500*	100.0

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).**

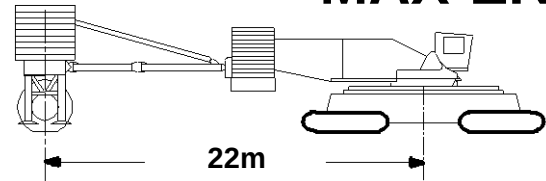
Liftcrane Luffing Jib Capacities

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
509 840 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

103.6m (340 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			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
29.0			c													29.0
30.0			c													30.0
32.0	71.3	164.4	130 600*b													32.0
34.0	69.3	163.7	130 000*b													34.0
36.0	67.3	162.8	129 200*b													36.0
38.0	65.2	161.9	127 200*													38.0
40.0	63.1	160.9	122 000*													40.0
42.0	61.0	159.8	116 600*													42.0
44.0	58.8	158.6	111 300*	68.3	162.0	149 200*b										44.0
46.0	56.5	157.3	106 100*	66.3	161.1	148 700*b										46.0
48.0	54.2	155.8	101 100*	64.2	160.2	145 400*										48.0
50.0	51.8	154.3	96 200*	62.0	159.1	141 200*										50.0
52.0	49.4	152.6	91 500*	59.9	158.0	136 800*										52.0
54.0	46.8	150.7	87 100*	57.7	156.7	131 900*										54.0
56.0	44.1	148.7	82 900*	55.4	155.3	126 900*										56.0
58.0	41.3	146.4	78 900*	53.0	153.8	121 800*	63.0	157.5	136 800*							58.0
60.0	38.3	144.0	75 300*	50.6	152.2	116 700*	60.8	156.4	134 100*							60.0
62.0	35.1	141.2	71 900*	48.1	150.4	111 700*	58.6	155.2	130 900*							62.0
64.0	31.6	138.0	68 900*	45.5	148.5	106 700*	56.4	153.9	127 500*							64.0
66.0	27.6	134.4	66 100*	42.7	146.3	102 000*	54.1	152.5	124 200*							66.0
68.0	23.1	129.9	63 800*	39.8	144.0	97 400*	51.7	150.9	120 800*							68.0
70.0	17.4	124.2	61 900*	36.7	141.4	93 000*	49.2	149.2	117 300*							70.0
72.0				33.4	138.4	88 900*	46.6	147.3	113 900*	57.1	151.6	116 400*				72.0
74.0				29.7	135.0	85 100*	43.9	145.3	110 500*	54.8	150.2	113 700*				74.0
76.0				25.5	131.0	81 600*	41.1	143.0	107 200*	52.5	148.6	110 800*				76.0
80.0				13.7	119.2	76 000*	34.9	137.7	100 600*	47.5	145.2	104 800*				80.0
84.0							27.4	130.8	94 100*	42.0	141.0	98 700*	52.9	145.4	93 700*	84.0
88.0							17.0	120.5	87 400*	35.9	135.9	92 600*	48.0	142.0	88 100*	88.0
92.0										28.7	129.3	86 500*	42.6	137.9	82 900*	92.0
96.0										19.1	119.9	80 100*	36.6	132.9	78 100*	96.0
100.0													29.5	126.5	73 600*	100.0
104.0													20.2	117.4	69 300*	104.0

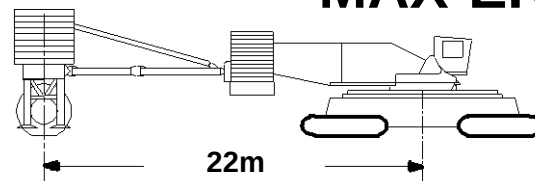
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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
509 840 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**

103.6m (340 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			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
30.5	74.4	171.3	118 100*													30.5
32.0	73.1	170.8	118 100*													32.0
34.0	71.3	170.2	118 000*													34.0
36.0	69.5	169.4	117 500*													36.0
38.0	67.6	168.6	116 600*													38.0
40.0	65.7	167.7	115 200*													40.0
42.0	63.8	166.7	110 600*													42.0
44.0	61.9	165.7	106 000*													44.0
46.0	59.9	164.5	101 400*	68.5	167.8	134 600*										46.0
48.0	57.9	163.3	96 900*	66.7	166.9	134 200*										48.0
50.0	55.9	161.9	92 500*	64.8	166.0	132 100*										50.0
52.0	53.7	160.5	88 200*	62.9	165.0	128 600*										52.0
54.0	51.6	158.9	84 100*	60.9	163.8	125 000*										54.0
56.0	49.3	157.2	80 200*	58.9	162.6	121 000*										56.0
58.0	47.0	155.3	76 400*	56.9	161.4	116 800*										58.0
60.0	44.6	153.3	72 900*	54.8	160.0	112 500*	63.7	163.4	126 400*							60.0
62.0	42.0	151.1	69 600*	52.7	158.4	108 100*	61.8	162.3	124 100*							62.0
64.0	39.4	148.7	66 500*	50.5	156.8	103 700*	59.8	161.1	121 600*							64.0
66.0	36.5	146.1	63 600*	48.2	155.0	99 500*	57.8	159.9	118 900*							66.0
68.0	33.5	143.1	60 900*	45.8	153.1	95 200*	55.7	158.5	116 000*							68.0
70.0	30.2	139.8	58 500*	43.3	151.0	91 200*	53.6	157.1	113 000*							70.0
72.0	26.5	136.0	56 400*	40.7	148.7	87 200*	51.4	155.5	109 900*							72.0
74.0	22.2	131.4	54 500*	38.0	146.2	83 400*	49.2	153.8	106 900*	58.5	157.5	107 800*				74.0
76.0	16.8	125.4	53 100*	35.1	143.4	79 900*	46.8	151.9	103 900*	56.4	156.2	105 600*				76.0
80.0				28.4	136.7	73 500*	41.9	147.7	98 000*	52.1	153.2	100 700*				80.0
84.0				19.7	127.4	68 100*	36.4	142.6	92 200*	47.6	149.8	95 500*				84.0
88.0							30.0	136.3	86 500*	42.7	145.7	90 100*	52.6	150.0	85 700*	88.0
92.0							21.9	127.7	80 800*	37.3	140.7	84 700*	48.1	146.6	80 600*	92.0
96.0							7.6	111.5	74 500*	31.1	134.7	79 300*	43.2	142.5	75 900*	96.0
100.0										23.4	126.6	73 800*	37.8	137.7	71 600*	100.0
104.0													31.7	131.8	67 500*	104.0
108.0													24.2	123.9	63 600*	108.0
112.0													13.0	111.4	59 500*	112.0

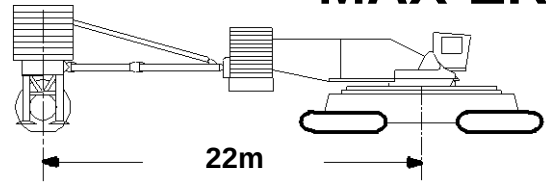
Capacities indicated by **(b)** require
16 780 kg minimum weight suspended
beneath luffing jib point.

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
509 840 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



103.6m (340 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

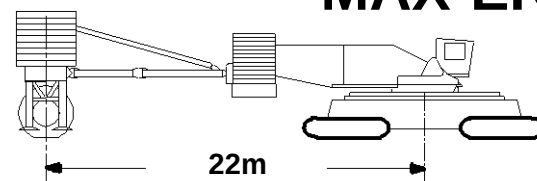
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
32.0	74.5	177.2	106 900*													32.0
34.0	72.9	176.6	106 900*													34.0
36.0	71.2	175.9	106 900*													36.0
38.0	69.6	175.2	106 500*													38.0
40.0	67.9	174.4	105 900*													40.0
42.0	66.2	173.5	104 300*													42.0
44.0	64.4	172.5	100 600*													44.0
46.0	62.7	171.5	96 700*													46.0
48.0	60.9	170.4	92 800*	68.7	173.5	120 900*										48.0
50.0	59.1	169.2	89 000*	67.0	172.7	120 900*										50.0
52.0	57.2	167.9	85 200*	65.3	171.8	120 100*										52.0
54.0	55.3	166.5	81 500*	63.6	170.8	117 400*										54.0
56.0	53.4	165.1	77 900*	61.8	169.7	114 400*										56.0
58.0	51.4	163.5	74 400*	60.0	168.6	111 200*										58.0
60.0	49.3	161.8	71 100*	58.1	167.3	107 800*										60.0
62.0	47.2	159.9	68 000*	56.3	166.0	104 200*										62.0
64.0	45.0	158.0	65 000*	54.3	164.6	100 500*	62.6	168.2	114 600*							64.0
66.0	42.7	155.8	62 200*	52.4	163.0	96 800*	60.8	167.0	112 600*							66.0
68.0	40.3	153.5	59 500*	50.3	161.4	93 100*	58.9	165.8	110 200*							68.0
70.0	37.7	150.9	57 000*	48.2	159.6	89 400*	57.1	164.6	107 800*							70.0
72.0	35.0	148.1	54 700*	46.1	157.7	85 800*	55.2	163.2	105 200*							72.0
74.0	32.1	145.0	52 600*	43.8	155.7	82 400*	53.2	161.7	102 600*							74.0
76.0	29.0	141.5	50 700*	41.5	153.4	79 000*	51.2	160.1	100 000*							76.0
80.0	21.4	132.7	47 500*	36.4	148.3	72 700*	47.0	156.5	94 500*	55.8	160.8	95 700*				80.0
84.0				30.6	142.1	67 100*	42.5	152.4	89 300*	51.9	157.8	91 300*				84.0
88.0				23.5	134.0	62 200*	37.6	147.5	84 100*	47.7	154.4	86 600*				88.0
92.0				13.1	121.4	58 600*	32.0	141.6	79 000*	43.3	150.3	81 900*	52.3	154.6	78 700*	92.0
96.0							25.2	134.0	74 000*	38.4	145.6	77 000*	48.1	151.2	74 100*	96.0
100.0							16.0	122.9	68 800*	32.9	139.8	72 200*	43.7	147.2	69 800*	100.0
104.0										26.4	132.6	67 300*	38.9	142.5	65 800*	104.0
108.0										17.8	122.3	62 100*	33.5	136.9	62 000*	108.0
112.0													27.1	129.8	58 500*	112.0
116.0													18.8	120.0	54 100*	116.0

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
509 840 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**

103.6m (340 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			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
33.5	74.6	183.1	96 400*													33.5
34.0	74.3	183.0	96 400*													34.0
36.0	72.7	182.4	96 400*													36.0
38.0	71.2	181.7	96 400*													38.0
40.0	69.7	180.9	96 300*													40.0
42.0	68.1	180.1	95 800*													42.0
44.0	66.5	179.3	94 400*													44.0
46.0	64.9	178.3	91 200*													46.0
48.0	63.3	177.3	87 900*													48.0
50.0	61.7	176.3	84 500*	68.9	179.3	108 000*										50.0
52.0	60.0	175.1	81 300*	67.3	178.5	108 000*										52.0
54.0	58.3	173.9	78 000*	65.8	177.6	108 000*										54.0
56.0	56.6	172.6	74 800*	64.1	176.6	106 900*										56.0
58.0	54.8	171.2	71 600*	62.5	175.6	104 300*										58.0
60.0	53.0	169.7	68 600*	60.9	174.5	101 700*										60.0
62.0	51.2	168.1	65 700*	59.2	173.3	98 900*										62.0
64.0	49.3	166.4	62 800*	57.5	172.0	95 900*	64.8	175.0	107 000*							64.0
66.0	47.3	164.5	60 200*	55.7	170.6	92 800*	63.2	174.0	105 500*							66.0
68.0	45.3	162.6	57 600*	53.9	169.2	89 600*	61.6	172.9	103 800*							68.0
70.0	43.2	160.5	55 200*	52.1	167.7	86 500*	59.9	171.8	102 000*							70.0
72.0	41.0	158.2	52 900*	50.2	166.0	83 300*	58.2	170.5	100 000*							72.0
74.0	38.7	155.7	50 800*	48.3	164.2	80 200*	56.5	169.2	97 800*							74.0
76.0	36.3	153.1	48 800*	46.3	162.3	77 100*	54.7	167.8	95 600*							76.0
80.0	31.0	146.9	45 200*	42.1	158.1	71 200*	51.1	164.7	91 000*	58.8	168.2	89 700*				80.0
84.0	24.6	139.0	42 300*	37.5	153.2	65 800*	47.2	161.1	86 200*	55.3	165.5	86 600*				84.0
88.0	15.9	127.8	40 300*	32.4	147.3	60 800*	43.0	157.1	81 500*	51.7	162.4	82 800*				88.0
92.0				26.3	140.0	56 500*	38.6	152.3	76 800*	47.8	159.0	78 700*				92.0
96.0				18.5	129.9	52 900*	33.6	146.7	72 300*	43.7	155.0	74 400*	52.0	159.2	71 700*	96.0
100.0							27.8	139.7	67 800*	39.3	150.3	70 100*	48.2	155.8	67 500*	100.0
104.0							20.5	130.4	63 200*	34.4	144.9	65 700*	44.1	151.8	63 600*	104.0
108.0							8.1	113.8	58 100*	28.8	138.2	61 400*	39.8	147.3	59 900*	108.0
112.0										21.8	129.4	56 900*	34.9	141.9	56 500*	112.0
116.0													29.4	135.3	53 200*	116.0
120.0													22.6	126.8	49 000*	120.0
124.0													12.6	113.6	44 600*	124.0

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

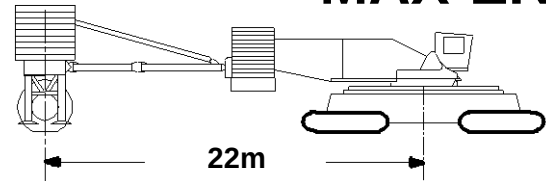
90 720 kg Carbody Counterweight

509 840 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



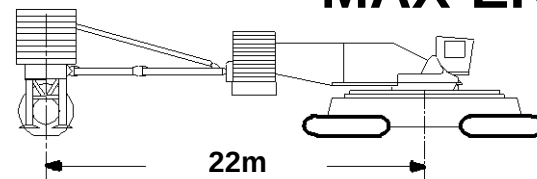
103.6m (340 Ft.) Boom, 85.3m (280 Ft.) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
35.1	74.7	189.0	87 000*													35.1
36.0	74.0	188.7	87 000*													36.0
38.0	72.6	188.1	87 000*													38.0
40.0	71.2	187.4	87 000*													40.0
42.0	69.8	186.7	87 000*													42.0
44.0	68.3	185.9	86 700*													44.0
46.0	66.9	185.1	85 800*													46.0
48.0	65.4	184.1	82 900*													48.0
50.0	63.9	183.2	80 100*													50.0
52.0	62.4	182.1	77 200*	69.0	185.1	97 300*										52.0
54.0	60.8	181.0	74 400*	67.6	184.2	97 300*										54.0
56.0	59.3	179.8	71 500*	66.1	183.4	97 300*										56.0
58.0	57.7	178.6	68 700*	64.6	182.4	97 100*										58.0
60.0	56.1	177.2	66 000*	63.1	181.4	95 100*										60.0
62.0	54.4	175.8	63 300*	61.6	180.3	93 100*										62.0
64.0	52.7	174.3	60 700*	60.1	179.2	90 800*										64.0
66.0	51.0	172.7	58 300*	58.5	178.0	88 300*										66.0
68.0	49.2	171.0	55 800*	56.9	176.7	85 700*	63.8	179.8	97 200*							68.0
70.0	47.4	169.1	53 500*	55.3	175.3	83 100*	62.3	178.8	95 900*							70.0
72.0	45.6	167.2	51 300*	53.6	173.8	80 400*	60.7	177.7	94 400*							72.0
74.0	43.6	165.1	49 200*	51.9	172.3	77 600*	59.2	176.5	92 800*							74.0
76.0	41.6	162.9	47 300*	50.1	170.6	74 900*	57.6	175.2	91 000*							76.0
80.0	37.3	157.9	43 700*	46.5	167.0	69 600*	54.3	172.4	87 100*							80.0
84.0	32.6	152.1	40 500*	42.6	162.8	64 500*	50.9	169.3	83 000*	58.1	172.8	81 400*				84.0
88.0	27.0	144.9	37 900*	38.4	158.0	59 700*	47.3	165.8	78 800*	54.9	170.1	78 600*				88.0
92.0	20.1	135.4	35 900*	33.8	152.4	55 400*	43.5	161.7	74 500*	51.5	167.0	75 300*				92.0
96.0	8.9	119.1	35 000*	28.5	145.6	51 500*	39.4	157.1	70 400*	47.9	163.6	71 700*				96.0
100.0				22.1	136.9	48 200*	34.9	151.7	66 400*	44.1	159.6	67 900*	51.8	163.8	64 800*	100.0
104.0				12.7	123.5	45 800*	29.7	145.2	62 300*	40.1	155.1	64 000*	48.3	160.4	61 900*	104.0
108.0							23.6	137.0	58 300*	35.6	149.8	60 100*	44.5	156.5	58 200*	108.0
112.0							15.2	125.2	54 000*	30.6	143.5	56 100*	40.5	152.0	54 900*	112.0
116.0										24.7	135.7	52 200*	36.1	146.8	51 700*	116.0
120.0										16.9	124.8	48 000*	31.1	140.6	48 100*	120.0
124.0													25.3	133.0	44 600*	124.0
128.0													17.8	122.5	40 700*	128.0

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
509 840 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**

103.6m (340 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			65 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	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	
36.6	74.7	194.9	80 600*													36.6
38.0	73.8	194.5	78 600*													38.0
40.0	72.5	193.9	78 500*													40.0
42.0	71.2	193.2	78 500*													42.0
44.0	69.8	192.5	78 400*													44.0
46.0	68.5	191.7	78 200*													46.0
48.0	67.1	190.8	77 300*													48.0
50.0	65.8	189.9	75 100*													50.0
52.0	64.4	189.0	72 600*													52.0
54.0	63.0	188.0	70 200*	69.2	190.8	86 600*										54.0
56.0	61.5	186.9	67 800*	67.8	190.0	86 600*										56.0
58.0	60.1	185.7	65 300*	66.4	189.1	86 600*										58.0
60.0	58.6	184.5	62 900*	65.1	188.2	86 600*										60.0
62.0	57.1	183.2	60 500*	63.7	187.2	86 200*										62.0
64.0	55.6	181.9	58 200*	62.3	186.2	84 600*										64.0
66.0	54.1	180.4	55 900*	60.8	185.1	82 800*										66.0
68.0	52.5	178.9	53 700*	59.4	183.9	80 800*										68.0
70.0	50.9	177.3	51 600*	57.9	182.6	78 700*										70.0
72.0	49.2	175.6	49 500*	56.4	181.3	76 500*	62.9	184.6	87 600*							72.0
74.0	47.5	173.8	47 600*	54.9	179.9	74 200*	61.4	183.5	86 600*							74.0
76.0	45.8	171.8	45 700*	53.3	178.4	71 900*	60.0	182.4	85 300*							76.0
80.0	42.1	167.6	42 100*	50.1	175.2	67 300*	57.0	179.9	82 300*							80.0
84.0	38.2	162.7	39 000*	46.7	171.6	62 700*	54.0	177.1	78 900*							84.0
88.0	33.9	157.1	36 200*	43.1	167.5	58 300*	50.8	173.9	75 200*	57.5	177.5	73 100*				88.0
92.0	29.0	150.4	33 900*	39.2	162.8	54 200*	47.4	170.4	71 500*	54.5	174.7	70 700*				92.0
96.0	23.1	142.0	31 900*	35.0	157.4	50 400*	43.9	166.4	67 100*	51.3	171.6	67 900*				96.0
100.0	15.3	130.1	30 700*	30.3	151.0	46 700*	40.1	161.8	60 400*	48.0	168.2	64 600*				100.0
104.0				24.7	143.1	41 400*	36.0	156.6	54 200*	44.5	164.3	61 200*	51.6	168.4	57 800*	104.0
108.0				17.6	132.4	36 600*	31.4	150.4	48 400*	40.7	159.8	57 700*	48.3	165.0	55 200*	108.0
112.0							26.0	142.9	43 000*	36.7	154.7	54 200*	44.8	161.1	52 300*	112.0
116.0							19.4	133.1	38 200*	32.2	148.7	49 700*	41.1	156.7	49 300*	116.0
120.0							8.4	116.1	34 100*	27.0	141.5	44 300*	37.1	151.7	46 100*	120.0
124.0										20.6	132.1	39 300*	32.6	145.8	43 000*	124.0
128.0										11.0	117.4	35 100*	27.5	138.7	39 700*	128.0
132.0													21.3	129.6	36 300*	132.0
136.0													12.2	115.8	32 600*	136.0