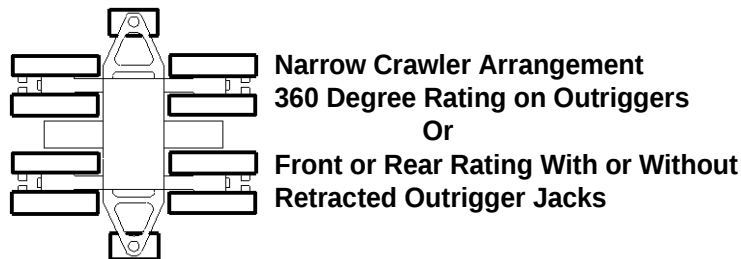
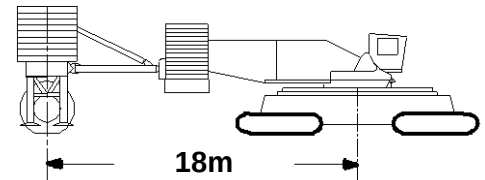


Liftcrane Luffing Jib Capacities

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

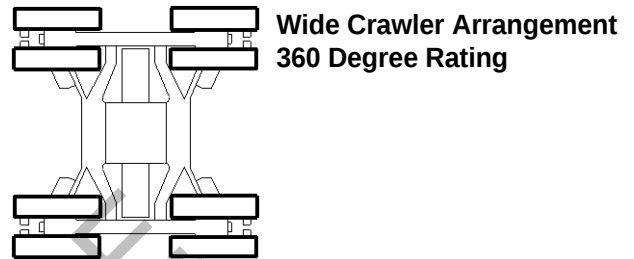
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Narrow Crawler Arrangement
360 Degree Rating on Outriggers

Or

Front or Rear Rating With or Without
Retracted Outrigger Jacks



Wide Crawler Arrangement
360 Degree Rating

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

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

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

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

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

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

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

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

OPERATING CONDITIONS

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

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

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

MACHINE TRAVEL

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

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

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

Liftcrane Luffing Jib Capacities

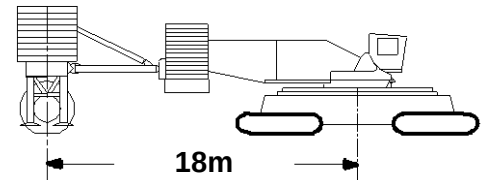
21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
509 840 kg Wheeled Counterweight
at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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

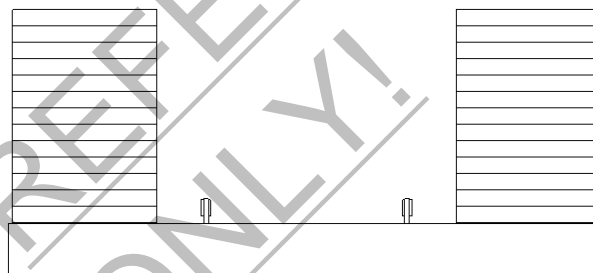
retractable gantry, 20 part boom hoist reeving, boom support straps, 22 part luffing jib hoist reeving, luffing jib and backstay support straps, 224 390 kg crane counterweight, two 24 270 kg and two 21 090 kg carbody counterweights and 509 840 kg wheeled counterweight.

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

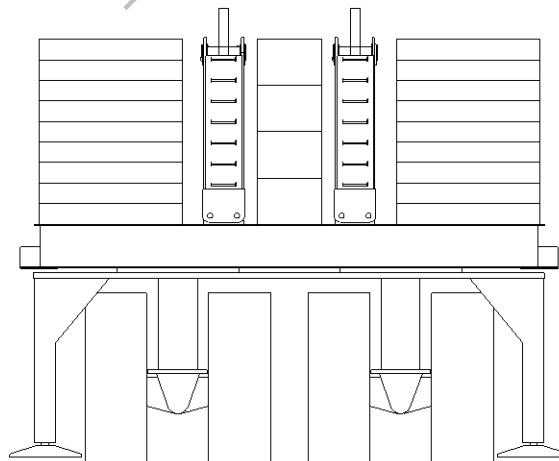
Warning: Narrow crawler arrangement requires set outrigger jacks to swing beyond front or rear operating range.

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



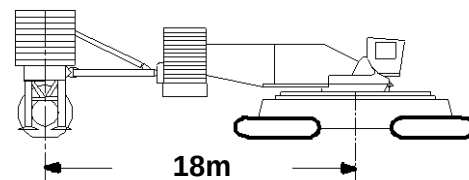
509 840 kg Wheeled Counterweight
18 Side Boxes - 4 Center Boxes

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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

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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 - 97.5	36.6 - 91.4	90
103.6	36.6 - 73.2	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.

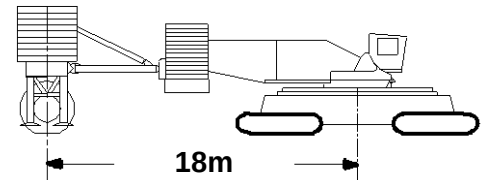
CAUTION: Do not under any condition allow boom to luffing jib angle to become less than 60 degrees.

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



54.9m (180 Ft.) Boom, 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	408 300*b										28.0
30.0	53.2	87.1	372 100*	62.2	89.6	379 900*b										30.0
32.0	49.1	85.4	353 300*	58.6	88.4	355 200*b										32.0
34.0	44.7	83.4	325 400*	54.7	87.0	333 400*b	63.5	88.9	323 700*b							34.0
36.0	39.9	81.1	300 300*	50.7	85.4	313 800*	59.9	87.7	304 600*b							36.0
38.0	34.5	78.3	277 500*	46.4	83.5	296 200*	56.1	86.4	287 600*b							38.0
40.0	28.1	74.8	257 700*	41.8	81.3	280 300*	52.2	84.9	272 200*							40.0
42.0	19.9	69.9	233 800*	36.7	78.7	265 800*	48.0	83.1	258 200*	57.3	85.3	250 700*b				42.0
44.0				30.8	75.6	252 500*	43.5	81.0	245 500*	53.4	83.8	238 200*				44.0
46.0				23.5	71.4	240 200*	38.6	78.6	233 700*	49.3	82.1	226 900*				46.0
48.0							33.0	75.7	222 900*	44.9	80.2	216 400*				48.0
50.0							26.3	71.9	212 700*	40.1	77.9	206 800*	50.2	80.6	200 600*	50.0
52.0							17.3	66.5	203 100*	34.8	75.1	197 800*	45.9	78.7	192 000*	52.0
54.0										28.5	71.6	189 300*	41.2	76.5	183 900*	54.0
56.0										20.4	66.9	181 300*	36.0	73.9	176 300*	56.0
58.0													30.0	70.6	169 200*	58.0
60.0													22.5	66.2	162 400*	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.

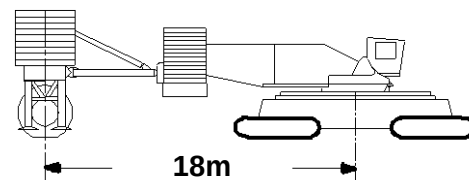
**Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).**

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



54.9m (180 Ft.) Boom, 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	378 500*b										30.0
32.0	56.0	93.2	340 700*	63.5	95.4	353 700*b										32.0
34.0	52.6	91.7	316 400*	60.4	94.3	331 900*b										34.0
36.0	49.1	90.0	293 300*	57.2	93.0	312 400*										36.0
38.0	45.3	88.0	271 900*	53.9	91.6	295 000*	61.5	93.6	285 900*b							38.0
40.0	41.3	85.8	252 300*	50.5	90.0	279 200*	58.4	92.4	270 600*							40.0
42.0	36.9	83.2	234 400*	46.8	88.1	264 800*	55.1	91.0	256 700*							42.0
44.0	32.0	80.1	218 400*	42.9	86.0	251 700*	51.7	89.5	244 100*							44.0
46.0	26.2	76.3	204 400*	38.7	83.6	239 700*	48.1	87.7	232 400*	56.1	89.9	225 100*				46.0
48.0	18.8	71.2	193 100*	34.0	80.7	228 600*	44.3	85.7	221 800*	52.8	88.4	214 800*				48.0
50.0				28.6	77.3	218 300*	40.2	83.4	211 900*	49.2	86.7	205 300*				50.0
52.0				22.0	72.8	208 700*	35.7	80.7	202 700*	45.5	84.8	196 400*	53.5	86.9	190 200*	52.0
54.0							30.7	77.5	194 100*	41.5	82.6	188 200*	50.0	85.2	182 200*	54.0
56.0							24.6	73.4	186 000*	37.1	80.0	180 500*	46.4	83.4	174 800*	56.0
58.0							16.4	67.7	178 300*	32.2	77.0	173 300*	42.4	81.2	167 900*	58.0
60.0										26.5	73.2	166 400*	38.2	78.7	161 300*	60.0
62.0										19.2	68.2	159 900*	33.4	75.8	155 200*	62.0
64.0										4.2	57.2	153 100*	27.9	72.3	149 300*	64.0
66.0													21.1	67.6	143 700*	66.0

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

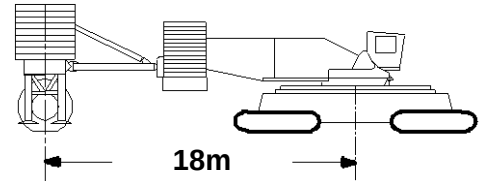
**Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).**

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
509 840 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



54.9m (180 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	352 400*b										32.0
34.0	58.0	99.2	304 200*	64.5	101.3	330 700*b										34.0
36.0	55.1	97.8	284 600*	61.8	100.2	311 300*										36.0
38.0	52.1	96.3	265 800*	59.1	99.0	293 900*										38.0
40.0	49.1	94.6	248 000*	56.2	97.7	278 200*	62.8	99.5	269 400*							40.0
42.0	45.8	92.7	231 200*	53.3	96.2	263 900*	60.0	98.3	255 500*							42.0
44.0	42.3	90.5	215 700*	50.3	94.6	250 900*	57.3	97.1	242 900*							44.0
46.0	38.6	88.1	201 600*	47.1	92.7	239 000*	54.4	95.7	231 400*							46.0
48.0	34.6	85.2	188 800*	43.7	90.7	228 000*	51.4	94.1	220 700*	58.1	96.0	213 600*				48.0
50.0	30.0	81.9	177 000*	40.1	88.4	217 900*	48.3	92.3	211 000*	55.3	94.6	204 000*				50.0
52.0	24.7	77.9	166 700*	36.2	85.7	208 500*	45.0	90.3	201 900*	52.3	93.0	195 300*				52.0
54.0	17.9	72.4	158 500*	31.9	82.6	199 700*	41.4	88.1	193 400*	49.2	91.3	187 100*				54.0
56.0				26.9	78.9	191 500*	37.7	85.6	185 600*	46.0	89.4	179 500*	53.0	91.5	173 600*	56.0
58.0				20.8	74.1	183 700*	33.5	82.7	178 200*	42.5	87.3	172 400*	49.9	89.8	166 700*	58.0
60.0							28.8	79.2	171 200*	38.8	84.9	165 800*	46.7	88.0	160 200*	60.0
62.0							23.2	74.9	164 600*	34.8	82.1	159 500*	43.3	85.9	154 200*	62.0
64.0							15.7	68.8	158 300*	30.3	78.8	153 500*	39.7	83.5	148 500*	64.0
66.0										25.0	74.8	147 900*	35.7	80.8	143 100*	66.0
68.0										18.3	69.4	142 400*	31.3	77.7	138 000*	68.0
70.0										5.6	58.9	136 800*	26.3	73.8	133 100*	70.0
72.0													20.0	68.9	128 400*	72.0

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

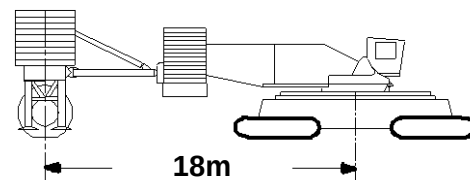
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
509 840 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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

21000
MAX-ER



54.9m (180 Ft.) Boom, 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	
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	330 300*										34.0
36.0	59.5	105.2	272 600*	65.2	107.1	309 500*										36.0
38.0	57.0	103.9	256 800*	62.9	106.1	292 200*										38.0
40.0	54.4	102.4	241 500*	60.5	104.9	276 500*										40.0
42.0	51.8	100.9	226 700*	58.0	103.7	262 300*	63.7	105.3	253 600*							42.0
44.0	49.0	99.2	212 700*	55.5	102.3	249 400*	61.3	104.2	241 000*							44.0
46.0	46.2	97.3	199 500*	52.9	100.8	237 500*	58.9	103.0	229 500*							46.0
48.0	43.1	95.2	187 000*	50.1	99.2	226 600*	56.4	101.7	219 000*							48.0
50.0	39.9	92.8	175 600*	47.3	97.4	216 500*	53.8	100.3	209 200*							50.0
52.0	36.5	90.2	165 300*	44.4	95.3	207 200*	51.1	98.7	200 200*	57.1	100.6	193 300*				52.0
54.0	32.7	87.2	155 500*	41.2	93.1	198 500*	48.3	96.9	191 800*	54.6	99.2	185 200*				54.0
56.0	28.4	83.6	146 800*	37.9	90.6	190 400*	45.4	95.0	184 100*	51.9	97.6	177 700*				56.0
58.0	23.5	79.3	139 200*	34.2	87.7	182 900*	42.4	92.8	176 800*	49.2	95.9	170 700*				58.0
60.0	17.1	73.6	132 900*	30.2	84.4	175 800*	39.1	90.4	169 900*	46.3	94.1	164 100*	52.5	96.1	158 300*	60.0
62.0				25.5	80.4	169 000*	35.6	87.7	163 500*	43.3	92.0	157 900*	49.8	94.4	152 300*	62.0
64.0				19.9	75.4	162 600*	31.7	84.5	157 500*	40.1	89.6	152 100*	47.0	92.6	146 700*	64.0
66.0							27.3	80.8	151 700*	36.6	87.0	146 600*	44.0	90.5	141 400*	66.0
68.0							22.1	76.3	146 200*	32.9	84.0	141 400*	40.8	88.3	136 400*	68.0
70.0							15.1	69.9	140 900*	28.7	80.5	136 400*	37.4	85.7	131 600*	70.0
72.0										23.7	76.2	131 600*	33.7	82.8	127 100*	72.0
74.0										17.5	70.6	127 100*	29.6	79.4	122 800*	74.0
76.0										6.4	60.2	122 200*	24.9	75.4	118 700*	76.0

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

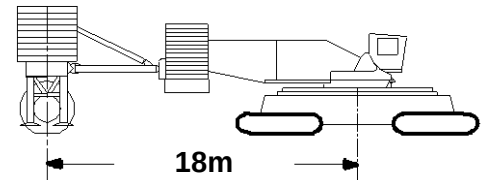
Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
509 840 kg Wheeled Counterweight
at 18m 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	290 700*										38.0
40.0	58.5	109.8	232 200*	63.7	111.9	275 200*										40.0
42.0	56.2	108.5	219 700*	61.5	110.8	261 000*										42.0
44.0	53.9	107.1	207 600*	59.4	109.6	248 000*										44.0
46.0	51.5	105.5	195 800*	57.1	108.4	236 200*	62.3	110.1	228 100*							46.0
48.0	49.0	103.8	184 700*	54.8	107.0	225 400*	60.1	109.0	217 500*							48.0
50.0	46.5	101.9	173 900*	52.5	105.4	215 400*	57.9	107.7	207 900*							50.0
52.0	43.8	99.8	164 000*	50.0	103.8	206 100*	55.7	106.4	198 900*							52.0
54.0	40.9	97.6	154 800*	47.5	102.0	197 400*	53.3	104.9	190 500*	58.6	106.6	183 800*				54.0
56.0	37.9	95.0	146 000*	44.8	100.0	189 400*	50.9	103.3	182 800*	56.3	105.3	176 200*				56.0
58.0	34.6	92.2	138 000*	42.1	97.8	181 900*	48.4	101.5	175 500*	54.0	103.8	169 300*				58.0
60.0	31.1	89.0	130 700*	39.1	95.4	174 900*	45.8	99.6	168 800*	51.6	102.3	162 700*				60.0
62.0	27.1	85.3	124 200*	36.0	92.7	168 300*	43.1	97.5	162 400*	49.2	100.5	156 600*				62.0
64.0	22.4	80.7	118 300*	32.5	89.6	162 100*	40.2	95.2	156 500*	46.6	98.7	150 800*	52.2	100.7	145 300*	64.0
66.0	16.5	74.8	113 400*	28.7	86.1	156 200*	37.1	92.6	150 800*	43.9	96.6	145 400*	49.7	99.0	140 000*	66.0
68.0				24.4	82.0	150 600*	33.8	89.7	145 500*	41.1	94.4	140 200*	47.2	97.2	135 000*	68.0
70.0				19.1	76.7	145 300*	30.1	86.3	140 400*	38.0	91.9	135 400*	44.5	95.2	130 400*	70.0
72.0							26.0	82.4	135 600*	34.8	89.0	130 700*	41.7	93.0	125 900*	72.0
74.0							21.1	77.6	130 900*	31.3	85.9	126 300*	38.7	90.5	121 700*	74.0
76.0							14.7	71.1	126 400*	27.3	82.1	122 200*	35.6	87.8	117 700*	76.0
80.0										16.9	71.8	114 100*	28.2	81.1	110 200*	80.0
84.0													18.3	71.4	103 100*	84.0

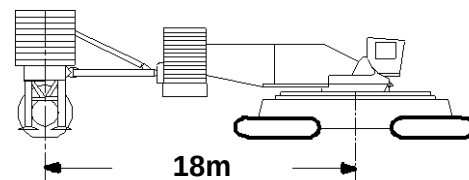
Capacities indicated by **(b)** require
16 780 kg minimum weight suspended
beneath luffing jib point.

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



54.9m (180 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	246 400*										44.0
46.0	55.6	113.1	189 900*	60.5	115.5	234 500*										46.0
48.0	53.5	111.7	180 200*	58.5	114.3	223 600*	63.1	115.9	215 600*							48.0
50.0	51.3	110.1	170 800*	56.4	113.0	213 600*	61.2	114.9	205 900*							50.0
52.0	49.0	108.4	161 800*	54.3	111.6	204 400*	59.2	113.7	197 000*							52.0
54.0	46.7	106.5	153 100*	52.2	110.0	195 800*	57.1	112.4	188 700*							54.0
56.0	44.3	104.5	145 000*	49.9	108.4	187 800*	55.1	111.0	181 000*							56.0
58.0	41.7	102.3	137 400*	47.6	106.6	180 400*	52.9	109.5	173 800*	57.8	111.3	167 300*				58.0
60.0	39.0	99.8	130 200*	45.2	104.6	173 400*	50.7	107.9	167 000*	55.7	109.9	160 700*				60.0
62.0	36.2	97.2	123 600*	42.7	102.5	166 900*	48.5	106.1	160 700*	53.6	108.4	154 600*				62.0
64.0	33.1	94.2	117 400*	40.1	100.1	160 700*	46.1	104.2	154 800*	51.4	106.9	148 900*				64.0
66.0	29.7	90.8	111 700*	37.3	97.6	154 900*	43.6	102.1	149 200*	49.1	105.1	143 500*	54.1	106.9	138 000*	66.0
68.0	26.0	86.9	106 500*	34.3	94.7	149 400*	41.1	99.9	143 900*	46.8	103.3	138 400*	51.9	105.3	133 100*	68.0
70.0	21.6	82.1	101 900*	31.1	91.5	144 200*	38.3	97.4	138 900*	44.4	101.3	133 600*	49.7	103.6	128 400*	70.0
72.0	16.0	75.9	98 100*	27.5	87.8	139 300*	35.4	94.6	134 200*	41.8	99.1	129 000*	47.3	101.8	124 000*	72.0
74.0				23.4	83.4	133 900*	32.3	91.6	129 700*	39.2	96.6	124 700*	44.9	99.8	119 900*	74.0
76.0				18.4	77.9	127 100*	28.8	88.1	125 300*	36.3	94.0	120 600*	42.4	97.7	115 900*	76.0
80.0							20.3	79.0	117 300*	29.9	87.6	112 900*	37.0	92.7	108 500*	80.0
84.0										21.8	79.1	105 800*	30.7	86.5	101 700*	84.0
88.0										7.4	62.7	98 800*	22.9	78.3	95 400*	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

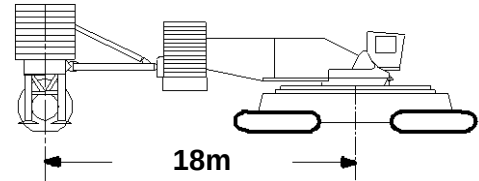
90 720 kg Carbody Counterweight

509 840 kg Wheeled Counterweight

at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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

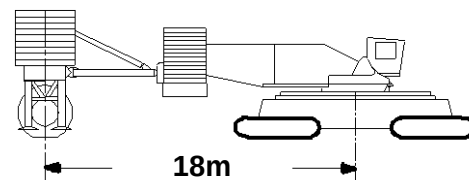
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. 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	204 300*							50.0
52.0	53.1	116.3	158 900*	57.7	119.0	198 900*	62.0	120.7	195 300*							52.0
54.0	51.1	114.7	151 400*	55.8	117.7	192 400*	60.2	119.6	187 000*							54.0
56.0	49.0	113.0	144 000*	53.9	116.2	185 700*	58.4	118.4	179 300*							56.0
58.0	46.9	111.1	137 000*	51.9	114.6	178 900*	56.5	117.0	172 100*							58.0
60.0	44.7	109.1	130 300*	49.9	113.0	171 900*	54.6	115.6	165 400*	58.9	117.2	159 000*				60.0
62.0	42.4	106.9	123 900*	47.7	111.2	165 400*	52.6	114.1	159 100*	57.1	115.9	153 000*				62.0
64.0	40.0	104.6	118 000*	45.6	109.2	159 300*	50.6	112.5	153 200*	55.2	114.5	147 300*				64.0
66.0	37.4	102.0	112 300*	43.3	107.1	153 500*	48.5	110.7	147 700*	53.2	113.1	141 900*				66.0
68.0	34.7	99.2	107 100*	40.9	104.9	148 000*	46.4	108.8	142 400*	51.2	111.5	136 800*				68.0
70.0	31.8	96.0	102 200*	38.4	102.4	142 500*	44.1	106.8	137 500*	49.1	109.7	132 000*	53.6	111.5	126 700*	70.0
72.0	28.6	92.5	97 700*	35.8	99.7	137 200*	41.8	104.6	132 800*	47.0	107.9	127 500*	51.7	109.9	122 300*	72.0
74.0	25.0	88.4	93 600*	32.9	96.6	132 100*	39.3	102.2	128 300*	44.8	105.9	123 200*	49.6	108.2	118 100*	74.0
76.0	20.8	83.5	90 000*	29.9	93.3	127 300*	36.7	99.5	124 100*	42.5	103.7	119 100*	47.5	106.4	114 200*	76.0
80.0				22.6	84.8	118 300*	31.0	93.4	116 100*	37.5	98.8	111 500*	43.0	102.3	106 900*	80.0
84.0							24.0	85.5	108 900*	31.9	92.9	104 600*	38.1	97.5	100 300*	84.0
88.0							14.0	73.3	102 000*	25.2	85.3	98 200*	32.6	91.7	94 100*	88.0
92.0										15.9	74.1	92 100*	26.0	84.4	88 400*	92.0
96.0													17.2	73.8	83 100*	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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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

21000
MAX-ER



54.9m (180 Ft.) Boom, 79.2m (260 Ft.) Luffing Jib

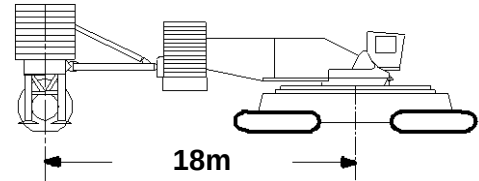
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. 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	163 600*							60.0
62.0	47.1	115.7	122 300*	51.7	119.2	144 200*	55.9	121.7	157 300*							62.0
64.0	45.0	113.7	116 700*	49.8	117.6	138 300*	54.2	120.2	151 400*	58.2	121.9	145 300*				64.0
66.0	42.9	111.6	111 400*	47.8	115.8	132 600*	52.3	118.7	145 900*	56.5	120.6	139 900*				66.0
68.0	40.7	109.3	106 400*	45.8	113.8	127 100*	50.5	117.1	140 700*	54.7	119.2	134 900*				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	130 100*				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	125 600*				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	121 300*	53.3	116.1	116 200*	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	117 300*	51.4	114.5	112 200*	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	109 700*	47.6	111.0	105 000*	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	102 900*	43.5	107.0	98 400*	84.0
88.0				17.4	80.4	83 800*	26.7	91.4	92 900*	33.5	98.0	96 600*	39.0	102.3	92 400*	88.0
92.0							19.1	81.5	85 900*	27.7	91.0	90 800*	34.1	96.8	86 800*	92.0
96.0							2.2	58.6	78 300*	20.4	81.8	85 400*	28.4	90.0	81 700*	96.0
100.0										7.9	65.0	80 000*	21.3	81.1	76 800*	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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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

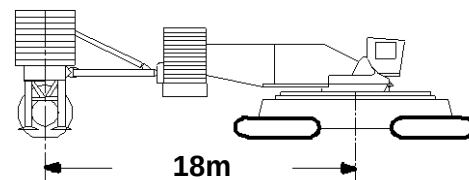
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. 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	103 400*	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	96 900*	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	90 900*	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	85 400*	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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



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

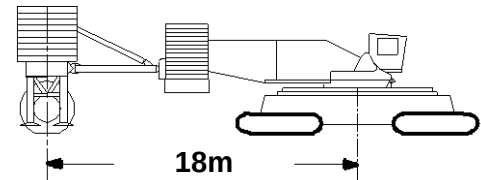
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. 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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



61.0m (200 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	376 900*b										30.0
32.0	50.2	91.9	322 200*	60.5	95.1	352 200*b										32.0
34.0	45.9	90.0	297 600*	56.8	93.8	330 500*b										34.0
36.0	41.2	87.8	275 100*	52.9	92.3	311 100*	62.7	94.5	300 600*b							36.0
38.0	36.0	85.1	254 900*	48.7	90.5	293 700*	59.1	93.4	283 700*b							38.0
40.0	30.0	81.9	237 100*	44.3	88.5	278 000*	55.3	92.0	268 500*b							40.0
42.0	22.4	77.5	222 300*	39.5	86.2	263 600*	51.3	90.4	254 800*							42.0
44.0	10.0	69.8	194 500*	34.0	83.3	250 500*	47.1	88.6	242 200*	57.4	91.1	233 800*b				44.0
46.0				27.6	79.8	238 300*	42.5	86.5	230 600*	53.6	89.6	222 600*b				46.0
48.0				19.2	74.8	226 900*	37.5	83.9	219 900*	49.5	87.9	212 400*				48.0
50.0							31.7	80.8	210 000*	45.1	86.0	202 900*				50.0
52.0							24.7	76.9	200 700*	40.3	83.7	194 100*	51.4	86.7	187 300*	52.0
54.0							14.6	70.7	191 700*	35.0	81.0	185 900*	47.2	84.8	179 400*	54.0
56.0										28.8	77.5	178 200*	42.6	82.7	172 100*	56.0
58.0										20.8	72.9	170 800*	37.6	80.2	165 200*	58.0
60.0													31.8	77.1	158 700*	60.0
62.0													24.9	73.2	152 500*	62.0
64.0													14.9	67.1	146 400*	64.0

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

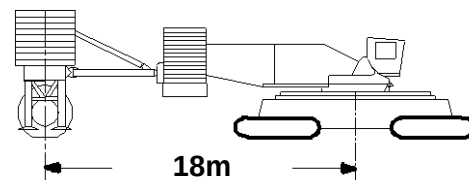
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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

21000
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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	350 500*b										32.0
34.0	53.5	98.2	288 000*	62.1	100.9	328 900*b										34.0
36.0	50.0	96.5	267 800*	58.9	99.7	309 700*										36.0
38.0	46.3	94.6	248 700*	55.7	98.4	292 300*										38.0
40.0	42.4	92.5	231 200*	52.3	96.9	276 700*	60.9	99.3	266 800*b							40.0
42.0	38.1	90.0	215 200*	48.8	95.1	262 500*	57.7	98.0	253 100*							42.0
44.0	33.4	87.1	200 800*	45.0	93.2	249 500*	54.4	96.6	240 600*							44.0
46.0	27.9	83.5	188 200*	41.0	90.9	237 600*	51.0	95.0	229 100*	59.5	97.1	220 700*b				46.0
48.0	21.0	78.8	177 700*	36.6	88.3	226 600*	47.4	93.2	218 600*	56.3	95.7	210 600*				48.0
50.0	10.0	70.9	169 900*	31.6	85.2	216 500*	43.5	91.1	208 900*	52.9	94.2	201 200*				50.0
52.0				25.7	81.3	206 900*	39.3	88.7	199 900*	49.4	92.5	192 500*				52.0
54.0				18.1	76.0	197 900*	34.7	86.0	191 400*	45.7	90.6	184 500*				54.0
56.0							29.5	82.6	183 500*	41.7	88.4	177 000*	51.1	91.3	170 400*	56.0
58.0							23.1	78.3	176 000*	37.3	85.9	169 900*	47.4	89.4	163 600*	58.0
60.0							14.0	71.8	168 800*	32.5	82.9	163 300*	43.6	87.4	157 200*	60.0
62.0										26.8	79.1	157 000*	39.4	85.0	151 300*	62.0
64.0										19.6	74.2	150 900*	34.8	82.2	145 600*	64.0
66.0													29.6	78.9	140 300*	66.0
68.0													23.2	74.6	135 100*	68.0
70.0													14.3	68.2	130 000*	70.0

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

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

Liftcrane Luffing Jib Capacities

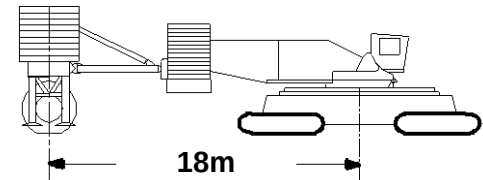
21000

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 18m 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	328 700*										34.0
36.0	55.9	104.3	259 600*	63.2	106.8	308 500*										36.0
38.0	52.9	102.8	242 700*	60.5	105.7	291 200*										38.0
40.0	49.9	101.1	226 800*	57.8	104.4	275 600*										40.0
42.0	46.7	99.3	211 800*	54.9	103.0	261 500*	62.2	105.1	251 900*							42.0
44.0	43.3	97.2	197 900*	51.9	101.5	248 600*	59.5	104.0	239 300*							44.0
46.0	39.6	94.8	185 100*	48.8	99.7	236 800*	56.7	102.7	228 000*							46.0
48.0	35.7	92.1	173 400*	45.5	97.8	225 900*	53.8	101.2	217 500*							48.0
50.0	31.3	88.9	162 900*	42.1	95.6	215 900*	50.7	99.6	207 900*	58.2	101.7	199 900*				50.0
52.0	26.2	85.1	153 600*	38.3	93.2	206 500*	47.6	97.8	198 900*	55.4	100.4	191 300*				52.0
54.0	19.9	80.1	145 800*	34.3	90.3	197 900*	44.2	95.8	190 600*	52.4	98.8	183 300*				54.0
56.0	10.0	72.0	140 800*	29.7	87.0	189 800*	40.7	93.5	182 800*	49.3	97.1	175 800*				56.0
58.0				24.3	82.8	182 100*	36.8	90.9	175 600*	46.1	95.2	168 900*	53.8	97.5	162 200*	58.0
60.0				17.2	77.2	174 800*	32.6	87.9	168 800*	42.7	93.1	162 400*	50.8	95.9	156 000*	60.0
62.0							27.7	84.3	162 300*	39.0	90.7	156 200*	47.6	94.1	150 100*	62.0
64.0							21.8	79.7	156 200*	35.0	87.9	150 400*	44.3	92.0	144 600*	64.0
66.0							13.5	72.9	150 100*	30.5	84.7	144 900*	40.8	89.8	139 300*	66.0
68.0										25.2	80.7	139 700*	36.9	87.2	134 400*	68.0
70.0										18.6	75.4	134 700*	32.7	84.2	129 700*	70.0
72.0													27.8	80.6	125 200*	72.0
74.0													22.0	76.0	120 800*	74.0
76.0													13.8	69.3	116 500*	76.0

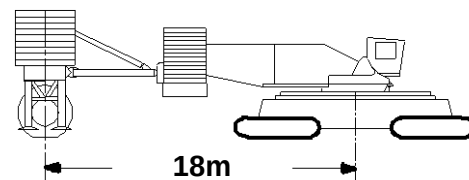
Capacities indicated by **(b)** require
16 780 kg minimum weight suspended
beneath luffing jib point.

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



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

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	304 200*										36.0
38.0	57.7	110.3	234 300*	64.1	112.6	289 600*										38.0
40.0	55.1	108.9	220 400*	61.7	111.5	273 900*										40.0
42.0	52.5	107.4	207 000*	59.3	110.4	259 800*										42.0
44.0	49.8	105.7	194 400*	56.8	109.1	247 000*	63.2	111.0	237 400*							44.0
46.0	46.9	103.9	182 400*	54.2	107.6	235 200*	60.8	109.9	226 000*							46.0
48.0	44.0	101.8	171 300*	51.6	106.1	224 400*	58.4	108.7	215 600*							48.0
50.0	40.8	99.5	161 000*	48.8	104.3	214 400*	55.8	107.3	206 000*							50.0
52.0	37.4	97.0	151 400*	45.9	102.4	205 200*	53.2	105.8	197 200*	59.7	107.7	189 200*				52.0
54.0	33.7	94.1	142 700*	42.9	100.3	196 600*	50.5	104.2	188 900*	57.2	106.4	181 300*				54.0
56.0	29.6	90.7	134 900*	39.7	97.9	188 600*	47.7	102.4	181 200*	54.7	105.0	173 900*				56.0
58.0	24.9	86.6	127 900*	36.2	95.3	181 100*	44.8	100.4	174 100*	52.0	103.4	167 000*				58.0
60.0	19.0	81.4	122 100*	32.4	92.2	174 100*	41.7	98.2	167 300*	49.3	101.7	160 600*				60.0
62.0	10.1	73.1	118 200*	28.1	88.6	167 500*	38.4	95.7	161 000*	46.4	99.9	154 500*	53.3	102.1	148 100*	62.0
64.0				23.1	84.3	160 700*	34.8	92.9	155 100*	43.4	97.8	148 800*	50.6	100.5	142 600*	64.0
66.0				16.5	78.4	151 900*	30.8	89.7	149 400*	40.2	95.5	143 400*	47.8	98.7	137 400*	66.0
68.0							26.3	85.9	144 000*	36.8	92.9	138 300*	44.9	96.7	132 600*	68.0
70.0							20.8	81.0	138 900*	33.0	89.9	133 500*	41.8	94.5	128 000*	70.0
72.0							13.2	74.0	133 800*	28.8	86.4	128 900*	38.4	92.0	123 600*	72.0
74.0										24.0	82.2	124 500*	34.8	89.2	119 400*	74.0
76.0										17.8	76.6	120 200*	30.9	86.0	115 400*	76.0
80.0													20.9	77.3	107 900*	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

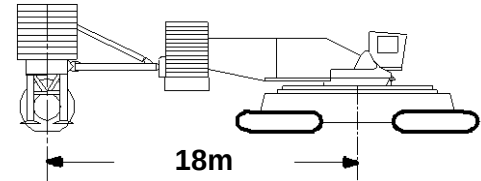
90 720 kg Carbody Counterweight

509 840 kg Wheeled Counterweight

at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	273 100*										40.0
42.0	56.8	114.9	200 700*	62.7	117.4	258 400*										42.0
44.0	54.5	113.5	189 600*	60.5	116.3	245 600*										44.0
46.0	52.2	112.0	178 900*	58.3	115.1	233 900*	64.0	116.8	224 500*							46.0
48.0	49.7	110.3	168 800*	56.1	113.7	223 100*	61.9	115.8	214 100*							48.0
50.0	47.2	108.5	159 100*	53.7	112.3	213 200*	59.7	114.6	204 600*							50.0
52.0	44.5	106.5	150 100*	51.3	110.7	204 000*	57.5	113.3	195 800*							52.0
54.0	41.7	104.3	141 600*	48.8	108.9	195 500*	55.2	111.9	187 500*							54.0
56.0	38.7	101.8	133 800*	46.3	107.1	187 500*	52.8	110.4	179 900*	58.7	112.4	172 400*				56.0
58.0	35.5	99.1	126 500*	43.6	105.0	180 100*	50.4	108.8	172 800*	56.4	111.0	165 500*				58.0
60.0	32.1	96.0	119 900*	40.7	102.7	173 200*	47.9	107.0	166 100*	54.1	109.6	159 100*				60.0
62.0	28.2	92.4	113 800*	37.7	100.1	166 600*	45.2	105.1	159 800*	51.7	108.0	153 100*				62.0
64.0	23.8	88.1	108 400*	34.4	97.3	160 500*	42.5	102.9	154 000*	49.3	106.3	147 400*				64.0
66.0	18.3	82.6	103 900*	30.8	94.1	154 000*	39.6	100.5	148 400*	46.7	104.5	142 100*	52.9	106.7	136 000*	66.0
68.0	10.1	74.1	101 000*	26.8	90.3	145 100*	36.4	97.9	143 100*	44.0	102.4	137 100*	50.4	105.1	131 100*	68.0
70.0				22.1	85.7	137 200*	33.1	94.9	138 100*	41.2	100.2	132 300*	47.9	103.3	126 600*	70.0
72.0				16.0	79.5	130 200*	29.3	91.4	133 400*	38.2	97.7	127 800*	45.3	101.3	122 200*	72.0
74.0							25.1	87.4	128 900*	35.0	94.9	123 500*	42.5	99.2	118 100*	74.0
76.0							19.9	82.3	124 500*	31.4	91.7	119 400*	39.6	96.8	114 200*	76.0
80.0										22.9	83.6	111 700*	33.1	91.2	106 900*	80.0
84.0													25.2	83.7	100 200*	84.0
88.0													13.1	71.5	93 800*	88.0

Capacities indicated by (b) require

16 780 kg minimum weight suspended

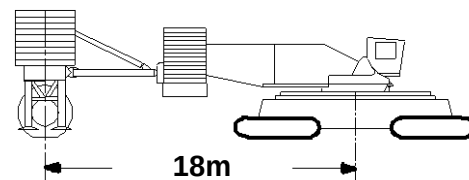
beneath luffing jib point.

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
509 840 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



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

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	242 700*										44.0
46.0	56.1	119.6	173 800*	61.5	122.2	232 100*										46.0
48.0	54.0	118.2	164 800*	59.5	121.0	221 300*										48.0
50.0	51.9	116.6	156 200*	57.5	119.7	211 400*	62.7	121.6	202 600*							50.0
52.0	49.6	114.9	147 900*	55.4	118.4	202 300*	60.8	120.5	193 800*							52.0
54.0	47.3	113.1	140 100*	53.3	116.9	193 800*	58.8	119.3	185 600*							54.0
56.0	44.9	111.1	132 700*	51.1	115.3	185 900*	56.7	118.0	178 000*							56.0
58.0	42.4	108.9	125 700*	48.9	113.5	178 500*	54.6	116.6	170 900*	59.9	118.3	163 400*				58.0
60.0	39.8	106.6	119 200*	46.5	111.7	171 600*	52.5	115.0	164 300*	57.8	117.0	157 000*				60.0
62.0	37.0	104.0	113 100*	44.1	109.6	165 100*	50.3	113.4	158 100*	55.8	115.7	151 100*				62.0
64.0	33.9	101.1	107 400*	41.5	107.4	159 000*	48.0	111.6	152 200*	53.7	114.2	145 400*				64.0
66.0	30.7	97.8	102 200*	38.8	105.0	153 300*	45.6	109.7	146 700*	51.5	112.7	140 200*				66.0
68.0	27.0	94.0	97 500*	35.9	102.3	147 100*	43.1	107.6	141 500*	49.2	110.9	135 200*				68.0
70.0	22.8	89.6	93 300*	32.9	99.2	139 400*	40.5	105.3	136 600*	46.9	109.1	130 500*	52.5	111.3	124 500*	70.0
72.0	17.7	83.9	89 900*	29.5	95.8	132 000*	37.7	102.7	131 900*	44.5	107.1	126 000*	50.3	109.6	120 200*	72.0
74.0	10.1	75.2	87 500*	25.7	91.8	125 100*	34.8	99.9	127 500*	42.0	104.9	121 800*	48.0	107.9	116 100*	74.0
76.0				21.2	87.0	118 800*	31.6	96.7	123 200*	39.3	102.5	117 700*	45.6	105.9	112 300*	76.0
80.0							24.0	88.9	115 300*	33.4	96.9	110 200*	40.6	101.5	105 100*	80.0
84.0							12.7	76.2	107 900*	26.3	89.7	103 300*	34.9	96.2	98 500*	84.0
88.0										16.6	79.0	96 800*	28.1	89.4	92 500*	88.0
92.0													19.3	80.0	86 800*	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

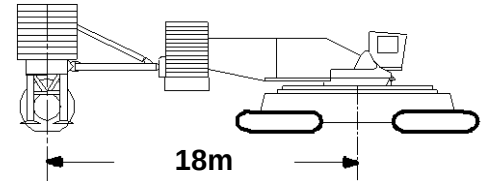
90 720 kg Carbody Counterweight

509 840 kg Wheeled Counterweight

at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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

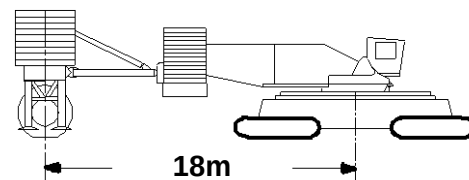
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. 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	192 000*							52.0
54.0	51.6	121.2	138 300*	56.8	124.4	192 500*	61.6	126.4	183 900*							54.0
56.0	49.6	119.5	131 500*	54.9	123.0	184 400*	59.8	125.2	176 300*							56.0
58.0	47.5	117.7	125 000*	53.0	121.5	177 000*	58.0	124.0	169 200*							58.0
60.0	45.3	115.7	118 900*	50.9	119.9	170 100*	56.1	122.6	162 600*							60.0
62.0	43.0	113.6	113 100*	48.9	118.1	163 700*	54.2	121.2	156 400*	59.0	123.0	149 300*				62.0
64.0	40.6	111.3	107 700*	46.7	116.3	157 600*	52.2	119.7	150 600*	57.1	121.7	143 700*				64.0
66.0	38.1	108.8	102 500*	44.5	114.3	151 900*	50.2	118.0	145 100*	55.2	120.3	138 500*				66.0
68.0	35.4	106.0	97 800*	42.2	112.1	146 500*	48.1	116.2	140 000*	53.3	118.8	133 500*				68.0
70.0	32.6	103.0	93 300*	39.8	109.7	141 400*	45.9	114.3	135 100*	51.3	117.3	128 800*				70.0
72.0	29.5	99.6	89 200*	37.2	107.1	134 600*	43.6	112.2	130 400*	49.2	115.5	124 400*	54.2	117.4	118 400*	72.0
74.0	26.0	95.6	85 500*	34.5	104.3	128 000*	41.3	110.0	126 000*	47.1	113.7	120 200*	52.2	115.9	114 400*	74.0
76.0	22.0	91.0	82 200*	31.5	101.1	121 700*	38.8	107.5	121 900*	44.9	111.7	116 200*	50.2	114.2	110 600*	76.0
80.0	10.1	76.3	77 700*	24.7	93.4	110 300*	33.4	101.9	114 100*	40.2	107.2	108 700*	45.9	110.6	103 400*	80.0
84.0				15.1	81.8	100 700*	27.0	94.8	107 000*	34.9	101.9	101 900*	41.3	106.2	97 000*	84.0
88.0							18.6	84.9	100 400*	28.9	95.3	95 700*	36.2	101.1	91 000*	88.0
92.0										21.3	86.4	89 900*	30.4	94.8	85 600*	92.0
96.0										8.2	70.3	84 200*	23.3	86.7	80 400*	96.0
100.0													12.6	73.7	75 500*	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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



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

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	174 300*							56.0
58.0	51.4	125.8	122 500*	56.2	129.0	158 300*	60.7	131.1	167 300*							58.0
60.0	49.5	124.1	116 900*	54.5	127.6	152 400*	59.0	129.9	160 700*							60.0
62.0	47.6	122.3	111 600*	52.7	126.1	146 500*	57.3	128.6	154 500*							62.0
64.0	45.6	120.4	106 400*	50.8	124.5	140 700*	55.6	127.3	148 800*	60.0	128.9	141 600*				64.0
66.0	43.5	118.3	101 600*	48.9	122.7	135 000*	53.8	125.8	143 300*	58.3	127.7	136 400*				66.0
68.0	41.3	116.0	97 000*	46.9	120.9	129 500*	51.9	124.3	138 100*	56.5	126.4	131 500*				68.0
70.0	39.0	113.6	92 600*	44.9	118.9	124 200*	50.1	122.6	133 300*	54.8	125.0	126 800*				70.0
72.0	36.6	110.9	88 500*	42.8	116.8	119 100*	48.1	120.8	128 700*	53.0	123.5	122 400*				72.0
74.0	34.1	108.1	84 700*	40.5	114.5	114 100*	46.1	118.9	124 300*	51.1	121.9	118 200*				74.0
76.0	31.4	104.8	81 200*	38.2	112.0	109 400*	44.1	116.9	120 100*	49.2	120.1	114 300*	53.8	122.1	108 500*	76.0
80.0	25.1	97.2	74 900*	33.2	106.2	100 500*	39.7	112.3	112 500*	45.2	116.3	106 900*	50.1	118.8	101 500*	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	100 200*	46.2	115.2	95 000*	84.0
88.0				19.9	89.7	85 500*	29.2	100.3	96 000*	36.2	106.8	94 100*	42.0	110.9	89 200*	88.0
92.0							22.4	91.8	88 600*	30.9	100.6	88 400*	37.4	106.0	83 800*	92.0
96.0							12.3	78.4	82 600*	24.5	92.7	83 100*	32.2	100.1	78 800*	96.0
100.0										15.8	81.4	78 100*	26.1	92.7	74 100*	100.0
104.0													18.2	82.5	69 700*	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

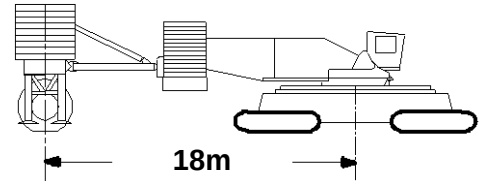
90 720 kg Carbody Counterweight

509 840 kg Wheeled Counterweight

at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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

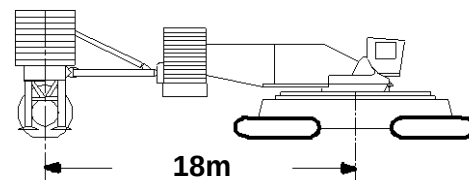
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. 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	129 900*				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	125 200*				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	120 900*				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	116 700*				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	112 700*				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	105 300*	53.5	126.7	99 800*	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	93 500*	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	87 600*	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	82 300*	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	77 400*	96.0
100.0							17.6	87.3	58 900*	26.9	98.6	66 600*	33.6	105.1	72 800*	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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



61.0m (200 Ft.) Boom, 91.4m (300 Ft.) Luffing Jib

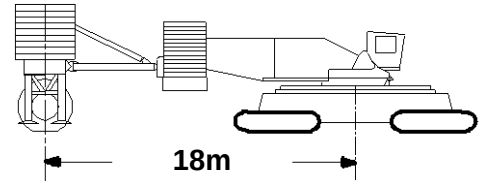
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. 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	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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



67.1m (220 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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			c										30.0
32.0	51.3	98.5	295 300*	62.4	101.7	349 000*b										32.0
34.0	47.0	96.6	273 600*	58.8	100.5	327 500*b										34.0
36.0	42.5	94.5	253 500*	55.0	99.1	308 400*b										36.0
38.0	37.4	92.0	235 400*	51.0	97.5	291 100*	62.0	100.2	279 700*b							38.0
40.0	31.7	88.9	219 400*	46.7	95.6	275 500*	58.3	99.0	264 700*b							40.0
42.0	24.6	84.9	205 800*	42.1	93.5	261 300*	54.5	97.6	251 100*b							42.0
44.0	14.5	78.7	196 100*	37.0	90.9	248 300*	50.5	95.9	238 700*							44.0
46.0				31.2	87.8	236 300*	46.1	94.0	227 300*	57.6	96.9	218 200*b				46.0
48.0				24.0	83.7	225 200*	41.5	91.8	216 800*	53.7	95.4	208 100*b				48.0
50.0				13.3	77.2	213 800*	36.3	89.2	207 100*	49.6	93.8	198 900*				50.0
52.0							30.4	86.0	198 000*	45.3	91.8	190 300*				52.0
54.0							23.0	81.7	189 400*	40.5	89.5	182 200*	52.6	92.7	174 800*b	54.0
56.0							11.2	74.5	181 000*	35.2	86.8	174 700*	48.4	90.9	167 600*	56.0
58.0										29.1	83.4	167 700*	44.0	88.9	161 000*	58.0
60.0										21.2	78.8	160 800*	39.1	86.5	154 700*	60.0
62.0													33.6	83.6	148 700*	62.0
64.0													27.1	80.0	143 000*	64.0
66.0													18.4	74.8	137 500*	66.0

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

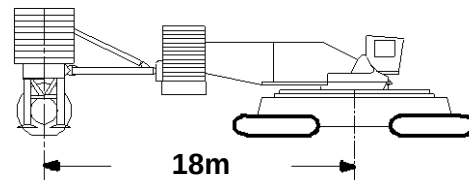
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



67.1m (220 Ft.) Boom, 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	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	323 000*b										34.0
36.0	51.0	103.0	246 100*	60.6	106.4	307 300*b										36.0
38.0	47.3	101.2	229 200*	57.4	105.1	289 600*										38.0
40.0	43.5	99.2	213 400*	54.1	103.7	274 100*	63.3	106.0	262 800*b							40.0
42.0	39.3	96.8	199 000*	50.7	102.1	260 000*	60.2	104.9	249 300*b							42.0
44.0	34.7	94.0	186 100*	47.0	100.3	247 200*	57.0	103.6	237 000*							44.0
46.0	29.4	90.6	174 600*	43.2	98.2	235 400*	53.7	102.2	225 700*							46.0
48.0	23.0	86.3	164 900*	39.0	95.8	224 600*	50.2	100.5	215 400*							48.0
50.0	13.9	79.8	157 900*	34.3	92.9	214 500*	46.6	98.7	205 800*	56.4	101.5	197 000*				50.0
52.0				29.0	89.5	205 100*	42.7	96.5	196 900*	53.1	100.0	188 500*				52.0
54.0				22.5	85.1	196 300*	38.4	94.1	188 600*	49.5	98.4	180 600*				54.0
56.0				12.9	78.2	187 800*	33.7	91.2	180 800*	45.8	96.4	173 200*				56.0
58.0							28.2	87.7	173 500*	41.9	94.3	166 400*	52.1	97.3	159 100*	58.0
60.0							21.5	83.1	166 600*	37.5	91.7	159 900*	48.5	95.5	152 900*	60.0
62.0							11.1	75.6	159 700*	32.7	88.7	153 700*	44.7	93.5	147 100*	62.0
64.0										27.1	85.1	147 900*	40.7	91.3	141 600*	64.0
66.0										19.9	80.1	142 300*	36.2	88.6	136 500*	66.0
68.0													31.2	85.5	131 500*	68.0
70.0													25.2	81.5	126 800*	70.0
72.0													17.4	76.0	122 200*	72.0

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

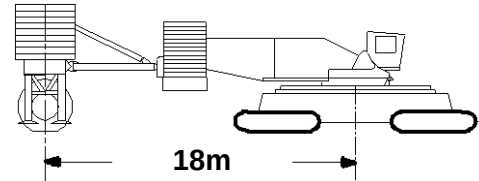
**Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).**

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



67.1m (220 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	288 400*										38.0
40.0	50.7	107.6	208 600*	59.2	111.1	273 000*										40.0
42.0	47.5	105.8	195 100*	56.4	109.8	259 000*										42.0
44.0	44.2	103.8	182 500*	53.5	108.3	246 200*	61.6	110.8	235 700*							44.0
46.0	40.6	101.5	171 000*	50.5	106.7	234 500*	58.9	109.6	224 400*							46.0
48.0	36.8	98.9	160 400*	47.3	104.9	223 700*	56.1	108.3	214 200*							48.0
50.0	32.5	95.9	150 900*	43.9	102.8	213 800*	53.1	106.8	204 600*							50.0
52.0	27.7	92.3	142 400*	40.4	100.5	204 600*	50.1	105.1	195 800*	58.3	107.5	187 100*				52.0
54.0	21.8	87.7	135 300*	36.5	97.9	196 000*	46.9	103.3	187 600*	55.5	106.2	179 300*				54.0
56.0	13.4	80.9	130 100*	32.2	94.8	188 000*	43.5	101.2	180 000*	52.5	104.6	172 000*				56.0
58.0				27.2	91.1	180 400*	39.9	98.9	172 900*	49.5	102.9	165 200*				58.0
60.0				21.2	86.4	170 000*	36.0	96.2	166 200*	46.2	101.1	158 800*				60.0
62.0				12.6	79.3	161 100*	31.6	93.1	159 900*	42.8	98.9	152 800*	51.7	101.9	145 800*	62.0
64.0							26.6	89.3	153 900*	39.1	96.5	147 200*	48.6	100.1	140 400*	64.0
66.0							20.4	84.4	148 100*	35.1	93.8	141 800*	45.3	98.2	135 300*	66.0
68.0							11.0	76.6	142 400*	30.7	90.5	136 700*	41.8	96.0	130 500*	68.0
70.0										25.5	86.6	131 900*	38.0	93.5	126 000*	70.0
72.0										18.9	81.4	127 200*	33.9	90.6	121 600*	72.0
74.0													29.3	87.2	117 400*	74.0
76.0													23.8	83.0	113 500*	76.0

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

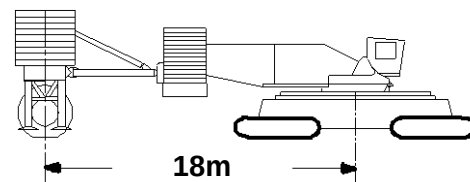
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
509 840 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



67.1m (220 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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* b													24.4
26.0	72.3	122.5	282 000* b													26.0
28.0	70.1	121.8	278 100* b													28.0
30.0	67.8	121.0	265 800* b													30.0
32.0	65.5	120.1	253 400*													32.0
34.0	63.2	119.0	240 600*													34.0
36.0	60.8	117.9	227 700*	67.6	120.1	284 000* b										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	270 000*										40.0
42.0	53.2	113.9	190 300*	60.6	117.0	257 400*										42.0
44.0	50.5	112.2	178 800*	58.1	115.8	244 500*										44.0
46.0	47.7	110.4	168 000*	55.6	114.4	232 800*	62.7	116.7	222 400*							46.0
48.0	44.8	108.5	158 000*	53.0	112.9	222 100*	60.3	115.5	212 200*							48.0
50.0	41.7	106.3	148 600*	50.3	111.3	212 300*	57.8	114.3	202 700*							50.0
52.0	38.3	103.8	139 900*	47.5	109.5	203 100*	55.3	112.9	194 000*							52.0
54.0	34.7	101.0	132 000*	44.5	107.5	194 600*	52.7	111.4	185 800*							54.0
56.0	30.8	97.7	124 900*	41.4	105.2	186 700*	50.0	109.7	178 300*	57.3	112.2	170 000*				56.0
58.0	26.2	93.9	118 500*	38.1	102.7	179 300*	47.1	107.9	171 200*	54.8	110.8	163 200*				58.0
60.0	20.7	89.0	113 100*	34.4	99.9	170 900*	44.2	105.9	164 600*	52.2	109.2	156 900*				60.0
62.0	13.1	82.0	109 100*	30.4	96.6	160 600*	41.0	103.6	158 400*	49.4	107.5	150 900*				62.0
64.0				25.8	92.7	151 400*	37.6	101.1	152 500*	46.6	105.7	145 300*	54.1	108.0	138 300*	64.0
66.0				20.3	87.8	143 100*	34.0	98.2	147 000*	43.6	103.6	140 100*	51.4	106.5	133 300*	66.0
68.0				12.3	80.4	136 100*	29.9	94.8	141 700*	40.4	101.3	135 100*	48.6	104.7	128 500*	68.0
70.0							25.2	90.8	136 700*	36.9	98.7	130 400*	45.7	102.8	124 100*	70.0
72.0							19.4	85.7	131 900*	33.2	95.7	125 900*	42.7	100.7	119 800*	72.0
74.0							10.9	77.7	127 100*	29.0	92.3	121 600*	39.4	98.3	115 800*	74.0
76.0										24.2	88.1	117 500*	35.9	95.6	111 900*	76.0
80.0													27.7	88.9	104 700*	80.0
84.0													15.9	78.3	97 800*	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

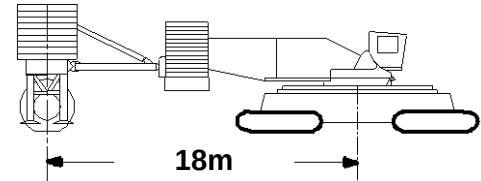
90 720 kg Carbody Counterweight

509 840 kg Wheeled Counterweight

at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	242 600*										44.0
46.0	52.8	118.5	164 700*	59.5	121.7	231 500*										46.0
48.0	50.4	116.8	155 500*	57.3	120.4	220 800*	63.5	122.5	210 700*							48.0
50.0	47.8	115.1	146 700*	55.0	119.0	211 000*	61.4	121.4	201 200*							50.0
52.0	45.2	113.1	138 400*	52.6	117.5	201 900*	59.2	120.2	192 500*							52.0
54.0	42.4	110.9	130 700*	50.2	115.9	193 400*	57.0	118.9	184 400*							54.0
56.0	39.5	108.6	123 600*	47.6	114.1	185 600*	54.7	117.5	176 900*							56.0
58.0	36.4	105.9	116 900*	45.0	112.1	178 200*	52.3	116.0	169 900*	58.8	118.1	161 600*				58.0
60.0	33.0	102.9	110 900*	42.2	109.9	171 000*	49.9	114.3	163 300*	56.5	116.8	155 400*				60.0
62.0	29.3	99.5	105 400*	39.3	107.5	162 000*	47.3	112.5	157 100*	54.2	115.4	149 500*				62.0
64.0	25.0	95.4	100 500*	36.2	104.9	152 900*	44.7	110.5	151 300*	51.8	113.8	143 900*				64.0
66.0	19.9	90.3	96 300*	32.7	101.8	144 400*	41.9	108.3	145 900*	49.4	112.1	138 700*				66.0
68.0	12.8	83.1	93 200*	29.0	98.4	136 500*	38.9	105.9	140 700*	46.8	110.3	133 800*	53.6	112.7	127 000*	68.0
70.0				24.7	94.2	129 200*	35.7	103.2	135 800*	44.1	108.3	129 100*	51.1	111.1	122 600*	70.0
72.0				19.4	89.0	122 700*	32.3	100.1	131 200*	41.3	106.0	124 700*	48.7	109.3	118 300*	72.0
74.0				12.1	81.5	117 100*	28.5	96.5	126 700*	38.3	103.5	120 500*	46.1	107.4	114 400*	74.0
76.0							24.1	92.3	122 500*	35.1	100.8	116 500*	43.3	105.3	110 600*	76.0
80.0							10.8	78.8	114 200*	27.7	93.9	109 000*	37.4	100.5	103 500*	80.0
84.0										17.4	83.8	102 100*	30.5	94.3	97 000*	84.0
88.0													21.7	85.8	91 000*	88.0

Capacities indicated by (b) require

16 780 kg minimum weight suspended

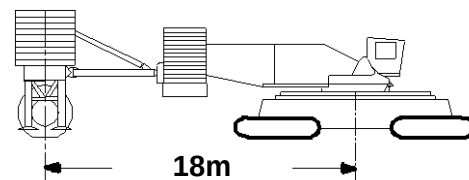
beneath luffing jib point.

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



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

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	219 300*										48.0
50.0	52.5	123.1	143 600*	58.6	126.4	209 300*										50.0
52.0	50.2	121.4	136 100*	56.5	125.1	200 100*	62.3	127.3	190 500*							52.0
54.0	48.0	119.7	128 900*	54.4	123.7	191 700*	60.3	126.1	182 400*							54.0
56.0	45.6	117.7	122 100*	52.3	122.1	183 900*	58.3	124.9	174 900*							56.0
58.0	43.1	115.6	115 700*	50.1	120.5	176 600*	56.3	123.6	167 900*							58.0
60.0	40.5	113.3	109 800*	47.8	118.7	169 500*	54.2	122.1	161 400*							60.0
62.0	37.7	110.8	104 200*	45.4	116.7	161 500*	52.0	120.6	155 300*	57.9	122.8	147 400*				62.0
64.0	34.8	107.9	99 000*	42.9	114.6	153 200*	49.8	118.9	149 500*	55.9	121.5	141 900*				64.0
66.0	31.6	104.8	94 300*	40.3	112.3	145 200*	47.5	117.1	144 100*	53.8	120.0	136 700*				66.0
68.0	28.0	101.2	90 000*	37.5	109.7	137 700*	45.1	115.1	139 000*	51.6	118.4	131 800*				68.0
70.0	24.0	96.9	86 200*	34.5	106.9	130 500*	42.6	113.0	134 100*	49.3	116.7	127 200*				70.0
72.0	19.2	91.6	82 900*	31.3	103.7	123 700*	39.9	110.6	129 600*	47.0	114.9	122 900*	53.1	117.3	116 200*	72.0
74.0	12.6	84.2	80 600*	27.7	100.0	117 400*	37.1	108.0	125 200*	44.6	112.9	118 700*	51.0	115.7	112 300*	74.0
76.0				23.7	95.7	111 600*	34.1	105.2	121 100*	42.1	110.7	114 700*	48.7	113.9	108 500*	76.0
80.0				11.9	82.6	101 900*	27.3	98.2	113 300*	36.6	105.7	107 400*	43.9	110.0	101 600*	80.0
84.0							18.0	88.2	106 100*	30.2	99.4	100 700*	38.6	105.3	95 200*	84.0
88.0										22.2	91.0	94 500*	32.6	99.5	89 400*	88.0
92.0													25.4	92.0	83 900*	92.0
96.0													15.0	80.6	78 700*	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

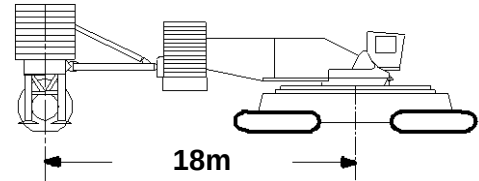
90 720 kg Carbody Counterweight

509 840 kg Wheeled Counterweight

at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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

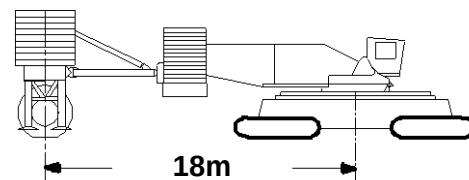
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. 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	188 700*							52.0
54.0	52.2	127.7	127 100*	57.8	131.1	187 100*	63.0	133.1	180 700*							54.0
56.0	50.1	126.0	120 900*	55.9	129.7	180 600*	61.3	132.0	173 200*							56.0
58.0	48.0	124.3	115 000*	54.0	128.3	173 700*	59.4	130.8	166 200*							58.0
60.0	45.9	122.3	109 300*	52.0	126.7	166 700*	57.6	129.6	159 700*							60.0
62.0	43.6	120.3	104 000*	50.0	125.1	159 600*	55.7	128.2	153 600*							62.0
64.0	41.3	118.0	99 000*	47.9	123.3	152 500*	53.8	126.8	147 900*	59.1	128.8	140 100*				64.0
66.0	38.8	115.6	94 300*	45.7	121.4	145 500*	51.8	125.2	142 500*	57.2	127.5	134 900*				66.0
68.0	36.2	112.9	89 900*	43.4	119.3	138 700*	49.7	123.5	137 400*	55.3	126.1	130 100*				68.0
70.0	33.3	109.9	85 900*	41.1	117.0	132 000*	47.6	121.7	132 600*	53.4	124.6	125 500*				70.0
72.0	30.3	106.6	82 200*	38.6	114.5	125 700*	45.4	119.8	128 000*	51.4	123.1	121 100*				72.0
74.0	27.0	102.8	78 700*	35.9	111.8	119 600*	43.1	117.7	123 700*	49.3	121.3	117 000*				74.0
76.0	23.1	98.4	75 700*	33.1	108.8	113 800*	40.8	115.4	119 600*	47.2	119.5	113 100*	52.8	121.9	106 800*	76.0
80.0	12.4	85.2	71 400*	26.7	101.6	103 300*	35.6	110.1	112 000*	42.7	115.4	105 900*	48.7	118.5	99 900*	80.0
84.0				18.2	91.6	94 300*	29.7	103.7	105 000*	37.8	110.5	99 200*	44.3	114.6	93 600*	84.0
88.0							22.3	95.2	98 500*	32.2	104.6	93 200*	39.6	110.0	87 800*	88.0
92.0							10.7	80.9	92 300*	25.5	97.1	87 500*	34.3	104.6	82 500*	92.0
96.0										16.4	86.2	82 200*	28.1	97.7	77 500*	96.0
100.0													20.1	88.5	72 900*	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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



67.1m (220 Ft.) Boom, 79.2m (260 Ft.) Luffing Jib

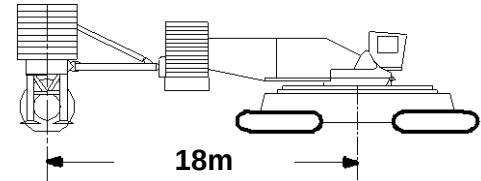
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. 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	170 200*							56.0
58.0	51.9	132.3	112 500*	57.2	135.8	159 500*	62.0	137.9	164 200*							58.0
60.0	50.0	130.6	107 300*	55.4	134.4	153 800*	60.4	136.8	157 700*							60.0
62.0	48.1	128.9	102 400*	53.6	132.9	148 200*	58.7	135.5	151 600*							62.0
64.0	46.1	127.0	97 700*	51.8	131.3	142 600*	56.9	134.2	145 900*							64.0
66.0	44.0	124.9	93 200*	49.9	129.7	137 100*	55.2	132.9	140 600*							66.0
68.0	41.9	122.7	89 000*	48.0	127.9	131 700*	53.4	131.4	135 500*	58.3	133.5	128 000*				68.0
70.0	39.6	120.3	85 000*	46.0	126.0	126 400*	51.6	129.8	130 700*	56.6	132.1	123 400*				70.0
72.0	37.3	117.7	81 300*	43.9	123.9	121 300*	49.7	128.1	126 200*	54.8	130.7	119 100*				72.0
74.0	34.8	114.9	77 800*	41.7	121.7	116 400*	47.7	126.3	121 900*	53.0	129.3	115 000*				74.0
76.0	32.1	111.8	74 500*	39.5	119.3	111 700*	45.7	124.4	117 800*	51.2	127.7	111 100*				76.0
80.0	26.0	104.4	68 800*	34.6	113.9	102 700*	41.4	120.1	110 300*	47.3	124.1	103 900*	52.5	126.5	97 700*	80.0
84.0	18.0	94.1	64 300*	29.0	107.2	94 500*	36.8	115.0	103 400*	43.2	120.1	97 400*	48.7	123.1	91 500*	84.0
88.0				22.1	98.5	87 000*	31.5	109.0	97 100*	38.7	115.3	91 400*	44.7	119.3	85 800*	88.0
92.0				11.6	84.7	80 600*	25.3	101.3	91 200*	33.7	109.7	85 900*	40.4	114.8	80 600*	92.0
96.0							17.0	90.6	84 800*	28.0	102.8	80 700*	35.6	109.5	75 800*	96.0
100.0										20.8	93.7	75 900*	30.2	103.2	71 300*	100.0
104.0													23.6	95.0	67 000*	104.0
108.0													14.3	82.9	62 900*	108.0

Liftcrane Luffing Jib Capacities

**21000
MAX-ER**

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
509 840 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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

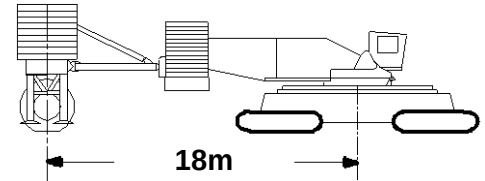
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. 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	117 500*				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	113 400*				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	109 500*				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	102 400*				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	95 900*	52.3	131.1	89 900*	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	89 900*	48.8	127.7	84 200*	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	84 300*	45.0	123.9	79 000*	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	74 300*	96.0
100.0							20.9	97.9	61 100*	29.9	108.3	70 000*	36.7	114.4	69 800*	100.0
104.0							10.6	83.1	56 300*	23.9	100.1	63 800*	31.8	108.4	65 700*	104.0
108.0										15.6	88.6	58 400*	26.2	101.0	61 800*	108.0
112.0													19.0	91.0	58 100*	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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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



67.1m (220 Ft.) Boom, 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 Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib 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	82 200*	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	77 000*	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

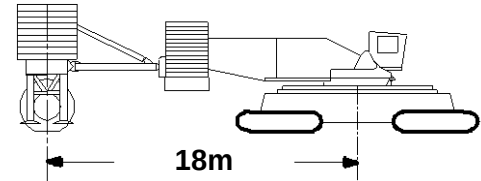
21000

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 18m 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, 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	306 200*b										36.0
38.0	38.8	98.8	220 300*	53.1	104.4	288 600*b										38.0
40.0	33.3	95.8	205 900*	49.0	102.7	273 100*	61.2	105.8	261 000*b							40.0
42.0	26.7	92.1	193 400*	44.6	100.7	259 100*	57.5	104.6	247 600*b							42.0
44.0	17.8	86.8	183 900*	39.8	98.3	246 200*	53.7	103.1	235 400*b							44.0
46.0				34.4	95.5	234 300*	49.6	101.4	224 200*							46.0
48.0				28.0	92.0	223 400*	45.2	99.5	213 900*	57.8	102.7	204 100*b				48.0
50.0				19.8	87.1	213 100*	40.4	97.2	204 300*	53.9	101.2	195 000*b				50.0
52.0							35.1	94.5	195 400*	49.8	99.6	186 600*				52.0
54.0							29.0	91.1	187 000*	45.5	97.6	178 700*				54.0
56.0							21.1	86.5	179 100*	40.7	95.4	171 400*				56.0
58.0										35.5	92.7	164 500*	49.7	97.0	156 800*	58.0
60.0										29.4	89.3	158 000*	45.3	95.0	150 700*	60.0
62.0										21.6	84.8	151 800*	40.5	92.8	145 000*	62.0
64.0										7.8	76.2	145 400*	35.3	90.0	139 500*	64.0
66.0													29.1	86.6	134 300*	66.0
68.0													21.3	82.1	129 300*	68.0
70.0													6.5	72.9	123 900*	70.0

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

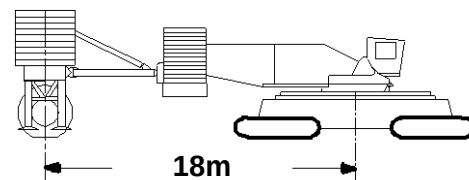
Do not luff into area indicated by (c)
 with 16 780 kg minimum weight
 (see CAUTION on page 1).

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



73.2m (240 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	271 800*										40.0
42.0	40.4	103.5	186 500*	52.5	109.0	257 700*	62.7	111.7	245 800*b							42.0
44.0	36.0	100.9	174 800*	49.0	107.3	245 000*	59.6	110.5	233 500*b							44.0
46.0	30.9	97.7	164 300*	45.2	105.3	233 300*	56.3	109.2	222 400*							46.0
48.0	24.9	93.7	155 300*	41.2	103.1	222 500*	53.0	107.7	212 200*							48.0
50.0	16.8	88.0	148 300*	36.8	100.5	212 600*	49.5	106.0	202 800*							50.0
52.0				31.9	97.4	203 300*	45.8	104.1	194 000*	56.5	107.3	184 600*				52.0
54.0				26.1	93.6	194 400*	41.8	101.9	185 900*	53.2	105.8	176 900*				54.0
56.0				18.6	88.4	184 600*	37.4	99.4	178 300*	49.7	104.2	169 700*				56.0
58.0							32.6	96.4	171 100*	46.0	102.3	163 000*				58.0
60.0							27.0	92.7	164 400*	42.0	100.1	156 600*	53.1	103.2	148 800*	60.0
62.0							19.8	87.8	157 900*	37.7	97.6	150 700*	49.6	101.6	143 100*	62.0
64.0							6.8	78.3	151 300*	32.9	94.6	145 000*	45.8	99.7	137 800*	64.0
66.0										27.3	91.0	139 600*	41.9	97.5	132 800*	66.0
68.0										20.3	86.1	134 400*	37.5	94.9	128 000*	68.0
70.0										8.2	77.4	129 100*	32.7	92.0	123 500*	70.0
72.0													27.1	88.3	119 100*	72.0
74.0													20.0	83.4	114 900*	74.0
76.0													7.3	74.2	110 300*	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

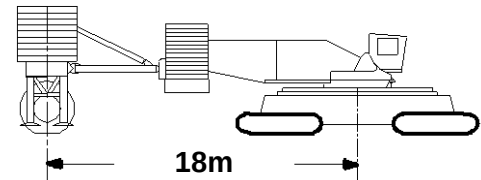
21000

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 18m 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, 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	256 300*										42.0
44.0	45.1	110.5	170 800*	55.1	115.1	244 000*										44.0
46.0	41.6	108.2	160 300*	52.1	113.6	232 300*	61.1	116.4	221 100*							46.0
48.0	37.8	105.7	150 700*	49.0	111.9	221 600*	58.3	115.2	210 900*							48.0
50.0	33.7	102.8	142 000*	45.7	109.9	211 800*	55.4	113.9	201 600*							50.0
52.0	29.0	99.4	134 300*	42.3	107.8	202 700*	52.5	112.3	192 900*							52.0
54.0	23.5	95.1	127 600*	38.6	105.3	193 800*	49.4	110.6	184 800*	58.5	113.3	175 500*				54.0
56.0	16.1	89.2	122 500*	34.5	102.5	182 900*	46.2	108.8	177 300*	55.6	111.9	168 300*				56.0
58.0				29.9	99.2	172 000*	42.8	106.6	170 300*	52.7	110.4	161 600*				58.0
60.0				24.6	95.1	162 200*	39.1	104.2	163 700*	49.6	108.8	155 400*				60.0
62.0				17.7	89.6	153 600*	35.1	101.5	157 500*	46.4	106.9	149 500*				62.0
64.0				2.6	76.9	147 400*	30.6	98.2	151 600*	43.0	104.8	144 000*	52.6	107.9	136 400*	64.0
66.0							25.4	94.3	146 000*	39.3	102.4	138 800*	49.5	106.2	131 500*	66.0
68.0							18.8	89.0	140 600*	35.3	99.6	133 800*	46.3	104.3	126 800*	68.0
70.0							7.4	79.5	135 100*	30.9	96.4	129 100*	42.8	102.2	122 400*	70.0
72.0										25.7	92.5	124 600*	39.2	99.8	118 200*	72.0
74.0										19.2	87.4	120 200*	35.2	97.0	114 200*	74.0
76.0										8.6	78.5	115 700*	30.7	93.8	110 300*	76.0
80.0													18.9	84.6	103 000*	80.0

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

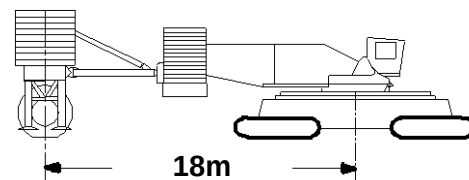
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



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

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	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	230 600*	64.5	123.4	219 000*							46.0
48.0	45.6	115.1	148 000*	54.4	119.7	220 000*	62.2	122.3	208 800*							48.0
50.0	42.5	112.9	139 400*	51.8	118.2	210 200*	59.8	121.2	199 600*							50.0
52.0	39.2	110.5	131 500*	49.0	116.5	201 100*	57.3	119.9	190 900*							52.0
54.0	35.7	107.8	124 300*	46.1	114.6	192 400*	54.7	118.5	182 900*							54.0
56.0	31.9	104.7	117 700*	43.1	112.5	182 300*	52.1	116.9	175 500*							56.0
58.0	27.5	101.0	111 800*	39.9	110.1	171 900*	49.4	115.2	168 500*	57.4	118.0	159 500*				58.0
60.0	22.3	96.5	106 800*	36.4	107.5	162 100*	46.5	113.4	162 000*	54.9	116.6	153 300*				60.0
62.0	15.5	90.3	102 900*	32.6	104.4	153 000*	43.5	111.3	155 900*	52.3	115.0	147 500*				62.0
64.0				28.4	100.9	144 500*	40.3	109.0	150 100*	49.5	113.4	142 100*				64.0
66.0				23.4	96.6	136 800*	36.9	106.4	144 700*	46.7	111.5	136 900*				66.0
68.0				17.0	90.8	130 000*	33.1	103.4	139 500*	43.7	109.4	132 100*	52.2	112.5	124 700*	68.0
70.0				4.7	79.2	133 300*	29.0	99.9	134 600*	40.5	107.1	127 500*	49.4	110.8	120 300*	70.0
72.0							24.1	95.7	129 900*	37.1	104.5	123 100*	46.6	108.9	116 200*	72.0
74.0							18.0	90.2	125 300*	33.4	101.6	118 900*	43.6	106.8	112 300*	74.0
76.0							7.8	80.7	120 700*	29.2	98.2	114 900*	40.4	104.5	108 500*	76.0
80.0										18.4	88.6	107 400*	33.2	99.0	101 600*	80.0
84.0													24.2	91.3	95 100*	84.0
88.0													8.1	76.5	88 600*	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

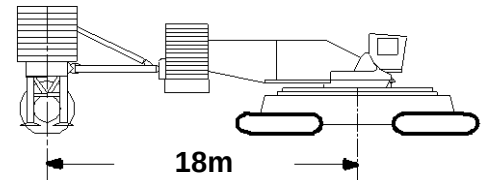
90 720 kg Carbody Counterweight

509 840 kg Wheeled Counterweight

at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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*													25.9
26.0	74.6	135.1	225 100*													26.0
28.0	72.7	134.5	225 100*													28.0
30.0	70.7	133.8	224 000*													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	198 000*							50.0
52.0	45.9	119.7	129 500*	53.9	124.4	198 500*	60.9	127.1	189 400*							52.0
54.0	43.2	117.6	122 400*	51.5	122.8	189 200*	58.7	125.9	181 400*							54.0
56.0	40.3	115.3	115 900*	49.0	121.1	179 800*	56.5	124.5	174 000*							56.0
58.0	37.3	112.7	109 800*	46.4	119.2	170 600*	54.2	123.1	167 100*							58.0
60.0	33.9	109.8	104 200*	43.7	117.1	161 700*	51.8	121.5	160 600*	58.9	123.9	151 800*				60.0
62.0	30.3	106.5	99 200*	40.9	114.8	153 100*	49.3	119.8	154 600*	56.6	122.6	146 000*				62.0
64.0	26.2	102.6	94 600*	37.8	112.3	144 900*	46.8	118.0	148 800*	54.3	121.2	140 600*				64.0
66.0	21.4	97.9	90 700*	34.6	109.5	137 200*	44.1	115.9	143 500*	51.9	119.6	135 500*				66.0
68.0	15.0	91.5	87 700*	31.0	106.3	129 900*	41.3	113.7	138 400*	49.5	118.0	130 700*				68.0
70.0				27.0	102.5	123 200*	38.3	111.2	133 600*	46.9	116.1	126 100*				70.0
72.0				22.4	98.0	117 100*	35.0	108.4	129 000*	44.2	114.1	121 800*	51.9	117.1	114 600*	72.0
74.0				16.4	92.0	111 700*	31.5	105.3	124 600*	41.4	111.8	117 700*	49.4	115.4	110 800*	74.0
76.0				5.7	80.7	117 000*	27.6	101.6	120 500*	38.4	109.4	113 800*	46.8	113.5	107 100*	76.0
80.0							17.3	91.5	112 600*	31.7	103.5	106 500*	41.3	109.2	100 200*	80.0
84.0										23.3	95.5	99 800*	35.1	104.0	93 900*	84.0
88.0										8.9	80.7	93 200*	27.7	97.2	88 100*	88.0
92.0													17.5	87.1	82 600*	92.0

Capacities indicated by (b) require

16 780 kg minimum weight suspended

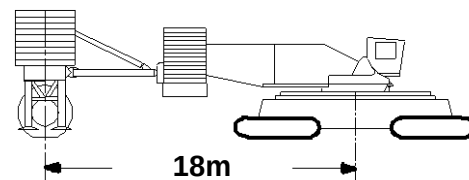
beneath luffing jib point.

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



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

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	187 300*							52.0
54.0	48.6	126.2	120 300*	55.6	130.4	182 500*	61.9	132.9	179 300*							54.0
56.0	46.2	124.3	114 100*	53.4	129.0	174 900*	59.9	131.8	172 000*							56.0
58.0	43.8	122.3	108 200*	51.3	127.4	167 200*	57.9	130.5	165 100*							58.0
60.0	41.2	120.0	102 800*	49.0	125.7	159 400*	55.8	129.2	158 700*							60.0
62.0	38.5	117.5	97 600*	46.7	123.8	151 800*	53.7	127.7	152 600*							62.0
64.0	35.6	114.8	92 900*	44.2	121.8	144 300*	51.5	126.1	147 000*	58.0	128.6	138 400*				64.0
66.0	32.4	111.7	88 600*	41.7	119.5	137 100*	49.3	124.4	141 600*	56.0	127.3	133 400*				66.0
68.0	29.0	108.2	84 600*	39.0	117.1	130 200*	47.0	122.6	136 600*	53.9	125.8	128 600*				68.0
70.0	25.1	104.2	81 100*	36.1	114.4	123 700*	44.6	120.6	131 800*	51.7	124.2	124 100*				70.0
72.0	20.6	99.2	78 000*	33.0	111.4	117 500*	42.0	118.4	127 300*	49.4	122.6	119 800*				72.0
74.0	14.6	92.6	75 700*	29.7	108.0	111 600*	39.4	116.0	123 000*	47.1	120.7	115 700*	53.8	123.2	108 600*	74.0
76.0				25.9	104.1	106 200*	36.5	113.4	119 000*	44.7	118.7	111 900*	51.6	121.7	105 000*	76.0
80.0				15.9	93.1	97 000*	30.1	107.1	111 300*	39.5	114.2	104 700*	47.0	118.1	98 200*	80.0
84.0							22.1	98.6	104 300*	33.7	108.6	98 200*	42.1	113.9	92 000*	84.0
88.0							8.3	83.0	97 500*	26.7	101.5	92 100*	36.6	108.9	86 300*	88.0
92.0										17.1	91.1	86 400*	30.2	102.6	81 100*	92.0
96.0													22.2	94.2	76 200*	96.0
100.0													8.6	78.8	71 200*	100.0

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

Liftcrane Luffing Jib Capacities

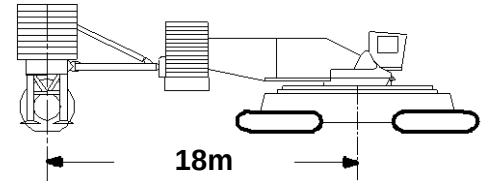
21000

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 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	177 600*							54.0
56.0	50.7	132.6	112 600*	56.9	136.5	168 200*	62.7	138.8	170 200*							56.0
58.0	48.6	130.8	107 200*	55.0	135.1	162 100*	60.9	137.7	163 400*							58.0
60.0	46.5	128.9	102 000*	53.1	133.6	155 800*	59.0	136.5	156 900*							60.0
62.0	44.2	126.9	97 100*	51.1	132.0	149 400*	57.2	135.2	150 900*							62.0
64.0	41.9	124.7	92 500*	49.0	130.3	143 000*	55.3	133.8	145 300*							64.0
66.0	39.4	122.3	88 200*	46.9	128.4	136 600*	53.3	132.3	140 000*	59.2	134.6	131 500*				66.0
68.0	36.9	119.7	84 200*	44.6	126.4	130 400*	51.3	130.7	135 000*	57.3	133.3	126 800*				68.0
70.0	34.1	116.8	80 400*	42.3	124.2	124 400*	49.3	129.0	130 200*	55.4	131.9	122 300*				70.0
72.0	31.1	113.6	77 000*	39.9	121.9	118 600*	47.1	127.2	125 700*	53.5	130.4	118 100*				72.0
74.0	27.9	109.9	73 900*	37.4	119.3	113 000*	44.9	125.2	121 500*	51.5	128.9	114 000*				74.0
76.0	24.2	105.7	71 100*	34.6	116.5	107 700*	42.6	123.1	117 500*	49.4	127.2	110 200*				76.0
80.0	14.3	93.7	66 900*	28.5	109.7	98 100*	37.7	118.2	109 900*	45.1	123.3	103 100*	51.4	126.3	96 400*	80.0
84.0				20.8	100.7	89 700*	32.1	112.3	103 100*	40.4	118.9	96 600*	47.2	122.7	90 300*	84.0
88.0				6.8	83.3	85 400*	25.4	104.8	96 700*	35.2	113.6	90 700*	42.7	118.6	84 700*	88.0
92.0							16.3	93.8	90 800*	29.2	107.0	85 200*	37.8	113.7	79 500*	92.0
96.0										21.6	98.3	80 100*	32.2	107.8	74 800*	96.0
100.0										9.2	82.9	75 000*	25.5	100.3	70 300*	100.0
104.0													16.4	89.5	66 000*	104.0

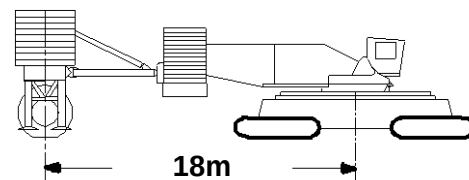
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



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

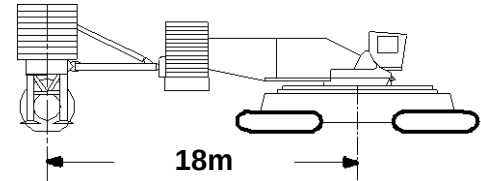
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. 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	160 900*							58.0
60.0	50.6	137.2	100 100*	56.3	141.1	149 200*	61.7	143.5	154 900*							60.0
62.0	48.6	135.4	95 500*	54.6	139.7	144 100*	60.0	142.4	148 900*							62.0
64.0	46.7	133.6	91 200*	52.8	138.2	138 900*	58.3	141.2	143 300*							64.0
66.0	44.6	131.5	87 000*	50.9	136.6	133 600*	56.6	139.8	138 000*							66.0
68.0	42.5	129.4	83 100*	49.0	134.9	128 300*	54.8	138.4	133 000*							68.0
70.0	40.3	127.1	79 500*	47.0	133.0	123 100*	53.0	136.9	128 300*	58.4	139.2	120 200*				70.0
72.0	37.9	124.5	76 000*	45.0	131.0	117 800*	51.2	135.3	123 800*	56.7	137.9	115 900*				72.0
74.0	35.5	121.8	72 800*	42.9	128.9	112 700*	49.3	133.6	119 600*	54.9	136.5	111 900*				74.0
76.0	32.8	118.7	69 800*	40.7	126.6	107 700*	47.3	131.8	115 600*	53.1	135.0	108 100*				76.0
80.0	26.9	111.6	64 500*	35.9	121.4	98 500*	43.2	127.7	108 200*	49.4	131.8	101 100*				80.0
84.0	19.3	101.8	60 300*	30.5	115.1	90 000*	38.7	123.0	101 400*	45.4	128.0	94 700*	51.2	130.9	88 100*	84.0
88.0				24.1	107.1	82 600*	33.7	117.4	95 200*	41.1	123.6	88 800*	47.3	127.3	82 600*	88.0
92.0				15.1	95.4	76 600*	27.9	110.5	89 400*	36.4	118.5	83 500*	43.2	123.3	77 600*	92.0
96.0							20.7	101.3	84 100*	31.1	112.3	78 500*	38.7	118.5	72 900*	96.0
100.0							8.7	85.2	78 800*	24.8	104.6	73 800*	33.8	112.9	68 500*	100.0
104.0										16.2	93.4	69 300*	28.0	106.0	64 400*	104.0
108.0													20.8	96.9	60 600*	108.0
112.0													8.9	81.0	56 600*	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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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

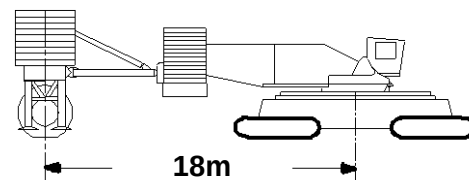
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. 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	114 300*				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	110 300*				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	106 500*				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	99 500*				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	93 200*	54.4	138.6	86 500*	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	87 400*	51.0	135.5	81 000*	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	82 000*	47.5	131.9	76 000*	92.0
96.0				19.6	103.3	59 400*	29.9	115.9	69 600*	37.4	123.4	77 100*	43.6	127.9	71 300*	96.0
100.0							23.8	107.8	63 400*	32.7	117.5	72 500*	39.5	123.3	67 100*	100.0
104.0							15.5	96.2	58 000*	27.2	110.4	67 100*	35.0	117.9	63 000*	104.0
108.0										20.3	101.0	61 200*	29.9	111.5	59 300*	108.0
112.0										9.3	85.1	56 500*	23.9	103.4	55 700*	112.0
116.0													15.6	91.8	52 300*	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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



73.2m (240 Ft.) Boom, 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	78 800*	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	73 800*	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	69 300*	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	65 000*	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	61 000*	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

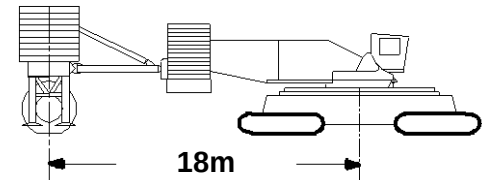
21000

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 18m 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, 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	267 800*b	64.1	112.6	256 700*b							40.0
42.0	28.6	99.3	180 400*	47.0	107.8	256 800*	60.5	111.5	243 500*b							42.0
44.0	20.6	94.6	171 200*	42.4	105.6	243 700*	56.7	110.2	231 400*b							44.0
46.0				37.3	103.1	232 000*	52.8	108.7	220 500*b							46.0
48.0				31.5	100.0	221 100*	48.7	106.9	210 300*b							48.0
50.0				24.5	96.0	211 000*	44.2	104.9	200 900*							50.0
52.0							39.4	102.6	192 200*	54.1	107.0	182 200*b				52.0
54.0							33.9	99.7	184 000*	50.0	105.4	174 500*b				54.0
56.0							27.5	96.1	176 300*	45.7	103.4	167 400*				56.0
58.0							19.0	91.1	168 900*	40.9	101.2	160 700*	54.9	104.6	151 900*b	58.0
60.0										35.7	98.5	154 400*	50.9	103.0	146 000*b	60.0
62.0										29.6	95.2	148 400*	46.6	101.1	140 400*	62.0
64.0										22.0	90.8	142 600*	42.0	99.0	135 200*	64.0
66.0													36.8	96.4	130 200*	66.0
68.0													31.0	93.2	125 500*	68.0
70.0													23.8	89.1	120 800*	70.0

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

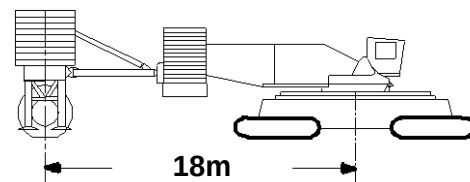
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
509 840 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



79.2m (260 Ft.) Boom, 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	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	242 000*	62.0	117.4	229 500*b							44.0
46.0	32.3	104.6	153 300*	47.3	112.4	230 800*	58.9	116.2	218 600*b							46.0
48.0	26.6	100.9	145 000*	43.4	110.3	220 100*	55.6	114.8	208 500*b							48.0
50.0	19.3	95.9	138 300*	39.2	107.9	208 700*	52.3	113.3	199 200*							50.0
52.0				34.6	105.1	196 100*	48.7	111.5	190 600*							52.0
54.0				29.3	101.7	184 500*	45.0	109.6	182 700*	56.7	113.1	172 500*b				54.0
56.0				22.9	97.4	174 100*	40.9	107.3	175 200*	53.3	111.6	165 500*				56.0
58.0							36.5	104.7	168 200*	49.8	110.0	158 900*				58.0
60.0							31.5	101.6	161 600*	46.2	108.1	152 700*				60.0
62.0							25.6	97.7	155 300*	42.2	105.9	146 900*				62.0
64.0							17.9	92.3	149 300*	37.9	103.4	141 400*	50.6	107.6	133 200*	64.0
66.0										33.1	100.5	136 200*	46.9	105.8	128 400*	66.0
68.0										27.6	96.9	131 300*	43.0	103.7	123 800*	68.0
70.0										20.6	92.1	126 500*	38.8	101.2	119 500*	70.0
72.0													34.2	98.4	115 300*	72.0
74.0													28.8	94.9	111 300*	74.0
76.0													22.3	90.5	107 400*	76.0

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

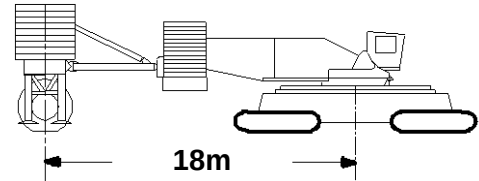
**Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).**

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



79.2m (260 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	217 100* ^b							46.0
48.0	38.9	112.5	140 600*	50.7	118.8	217 100*	60.5	122.1	207 100* ^b							48.0
50.0	34.8	109.7	132 700*	47.5	117.0	205 900*	57.7	120.8	197 900*							50.0
52.0	30.3	106.4	125 500*	44.1	115.0	194 100*	54.8	119.4	189 400*							52.0
54.0	25.1	102.4	119 400*	40.6	112.7	182 900*	51.9	117.9	181 500*							54.0
56.0	18.4	97.1	114 400*	36.7	110.1	172 400*	48.8	116.1	174 100*							56.0
58.0				32.4	107.0	162 600*	45.5	114.2	167 200*	55.7	117.7	157 500*				58.0
60.0				27.6	103.4	153 500*	42.0	112.0	160 700*	52.8	116.2	151 400*				60.0
62.0				21.6	98.8	145 400*	38.3	109.6	154 600*	49.7	114.6	145 700*				62.0
64.0				13.2	91.9	138 700*	34.2	106.7	148 900*	46.5	112.7	140 300*				64.0
66.0							29.6	103.3	143 400*	43.1	110.6	135 200*	53.4	113.8	127 000*	66.0
68.0							24.1	99.2	138 200*	39.5	108.2	130 400*	50.4	112.2	122 400*	68.0
70.0							17.1	93.5	133 200*	35.5	105.5	125 800*	47.2	110.4	118 100*	70.0
72.0										31.1	102.3	121 400*	43.8	108.3	114 100*	72.0
74.0										26.0	98.4	117 200*	40.2	106.0	110 200*	74.0
76.0										19.6	93.4	113 200*	36.4	103.4	106 500*	76.0
80.0													27.1	96.6	99 600*	80.0

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

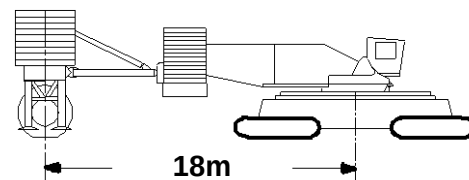
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

**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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



79.2m (260 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	205 000*							48.0
50.0	43.3	119.6	129 600*	53.2	125.0	200 400*	61.7	128.0	195 800*							50.0
52.0	40.1	117.3	122 500*	50.5	123.4	190 300*	59.3	126.8	187 300*							52.0
54.0	36.7	114.7	115 800*	47.7	121.6	180 400*	56.8	125.5	179 500*							54.0
56.0	32.9	111.7	109 800*	44.7	119.6	170 700*	54.2	124.1	172 100*							56.0
58.0	28.7	108.2	104 400*	41.6	117.4	161 400*	51.5	122.5	165 300*							58.0
60.0	23.8	103.9	99 700*	38.3	114.9	152 600*	48.8	120.7	158 900*	57.6	123.8	149 200*				60.0
62.0	17.6	98.3	95 900*	34.7	112.1	144 300*	45.9	118.8	152 900*	55.0	122.4	143 600*				62.0
64.0	6.7	88.1	94 100*	30.7	108.8	136 400*	42.8	116.7	147 300*	52.4	120.8	138 200*				64.0
66.0				26.1	105.0	129 300*	39.6	114.3	141 900*	49.7	119.2	133 200*				66.0
68.0				20.6	100.1	123 000*	36.1	111.7	136 800*	46.8	117.3	128 500*				68.0
70.0				12.9	93.0	117 700*	32.3	108.6	132 100*	43.8	115.2	124 000*	52.9	118.4	116 000*	70.0
72.0							28.0	105.0	127 500*	40.6	113.0	119 700*	50.2	116.8	112 000*	72.0
74.0							23.0	100.6	123 100*	37.2	110.4	115 700*	47.4	115.0	108 200*	74.0
76.0							16.4	94.7	118 800*	33.5	107.5	111 800*	44.4	113.0	104 600*	76.0
80.0										24.6	99.9	104 500*	38.0	108.2	97 800*	80.0
84.0													30.3	102.1	91 600*	84.0
88.0													20.1	93.2	85 800*	88.0

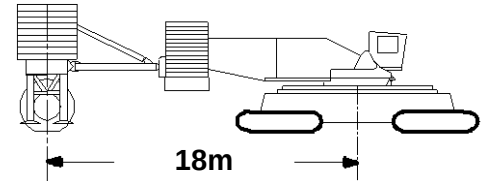
Capacities indicated by **(b)** require
16 780 kg minimum weight suspended
beneath luffing jib point.

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	185 800*							52.0
54.0	43.9	124.3	113 800*	52.8	129.6	176 200*	60.5	132.7	177 900*							54.0
56.0	41.1	122.0	107 800*	50.3	128.0	167 800*	58.3	131.5	170 600*							56.0
58.0	38.1	119.5	102 200*	47.8	126.2	159 600*	56.0	130.1	163 900*							58.0
60.0	34.9	116.7	97 100*	45.2	124.2	151 500*	53.7	128.7	157 500*							60.0
62.0	31.3	113.5	92 400*	42.4	122.1	143 700*	51.3	127.1	151 500*							62.0
64.0	27.4	109.8	88 300*	39.5	119.7	136 300*	48.8	125.4	145 900*	56.7	128.4	136 600*				64.0
66.0	22.8	105.3	84 600*	36.3	117.0	129 200*	46.2	123.5	140 600*	54.4	127.0	131 700*				66.0
68.0	17.0	99.5	81 800*	33.0	114.0	122 500*	43.5	121.4	135 700*	52.0	125.4	127 000*				68.0
70.0	7.2	89.3	80 300*	29.2	110.6	116 300*	40.6	119.1	130 900*	49.6	123.8	122 600*				70.0
72.0				24.9	106.5	110 700*	37.6	116.5	126 500*	47.0	121.9	118 300*				72.0
74.0				19.8	101.4	105 500*	34.3	113.7	122 200*	44.4	119.9	114 300*	52.5	123.0	106 600*	74.0
76.0				12.6	94.1	101 300*	30.7	110.4	118 100*	41.6	117.7	110 500*	50.1	121.4	103 000*	76.0
80.0							22.0	102.0	110 500*	35.4	112.5	103 400*	44.9	117.6	96 400*	80.0
84.0										28.0	105.7	96 900*	39.2	113.0	90 300*	84.0
88.0										18.0	95.9	90 800*	32.6	107.3	84 700*	88.0
92.0													24.5	99.7	79 500*	92.0
96.0													11.8	86.7	74 400*	96.0

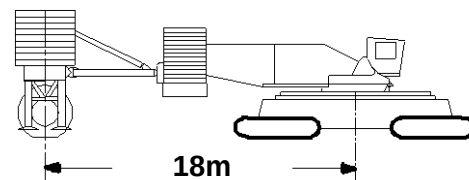
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



79.2m (260 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	175 800*							54.0
56.0	46.8	130.9	105 800*	54.6	135.8	162 700*	61.5	138.6	168 500*							56.0
58.0	44.4	128.9	100 500*	52.4	134.2	155 800*	59.5	137.4	161 800*							58.0
60.0	41.9	126.7	95 400*	50.2	132.6	148 800*	57.5	136.1	155 500*							60.0
62.0	39.2	124.3	90 700*	47.9	130.8	141 900*	55.4	134.8	149 500*							62.0
64.0	36.4	121.6	86 400*	45.5	128.9	135 100*	53.3	133.3	143 900*							64.0
66.0	33.3	118.7	82 400*	43.0	126.7	128 600*	51.1	131.7	138 700*	58.1	134.4	129 500*				66.0
68.0	30.0	115.3	78 700*	40.4	124.4	122 300*	48.8	130.0	133 800*	56.0	133.1	124 800*				68.0
70.0	26.2	111.4	75 500*	37.7	121.9	116 300*	46.5	128.1	129 100*	53.9	131.6	120 400*				70.0
72.0	21.9	106.7	72 600*	34.7	119.1	110 600*	44.0	126.0	124 700*	51.8	130.0	116 300*				72.0
74.0	16.4	100.7	70 400*	31.5	115.9	105 100*	41.5	123.8	120 500*	49.5	128.4	112 300*				74.0
76.0	7.6	90.5	69 300*	28.0	112.3	100 200*	38.8	121.4	116 500*	47.2	126.5	108 500*				76.0
80.0				19.1	102.7	91 500*	32.8	115.6	109 000*	42.3	122.4	101 600*	50.0	126.0	94 200*	80.0
84.0							25.6	108.2	102 100*	36.8	117.4	95 200*	45.3	122.2	88 300*	84.0
88.0							15.4	97.0	95 700*	30.5	111.2	89 300*	40.2	117.8	82 800*	88.0
92.0										22.6	102.8	83 800*	34.4	112.4	77 700*	92.0
96.0										9.6	88.1	78 500*	27.6	105.5	73 000*	96.0
100.0													18.6	95.7	68 500*	100.0

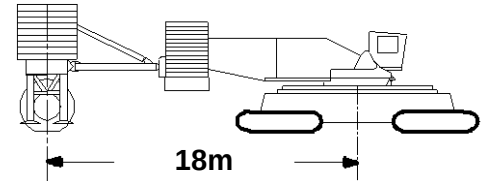
Capacities indicated by **(b)** require
16 780 kg minimum weight suspended
beneath luffing jib point.

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	160 000*							58.0
60.0	47.0	135.5	94 700*	54.1	140.4	145 000*	60.5	143.3	153 700*							60.0
62.0	44.8	133.5	90 200*	52.1	138.8	139 300*	58.7	142.1	147 800*							62.0
64.0	42.5	131.4	85 900*	50.1	137.2	133 500*	56.8	140.8	142 200*							64.0
66.0	40.1	129.0	82 000*	48.0	135.4	127 700*	54.9	139.4	137 000*							66.0
68.0	37.6	126.5	78 200*	45.8	133.5	122 100*	52.9	137.9	132 100*							68.0
70.0	34.9	123.7	74 800*	43.6	131.4	116 600*	50.9	136.3	127 500*	57.4	139.1	118 600*				70.0
72.0	32.0	120.5	71 600*	41.2	129.1	111 300*	48.8	134.6	123 000*	55.5	137.7	114 500*				72.0
74.0	28.8	117.0	68 700*	38.7	126.7	106 200*	46.7	132.7	118 900*	53.5	136.2	110 500*				74.0
76.0	25.2	113.0	66 100*	36.1	124.0	101 400*	44.5	130.7	114 900*	51.5	134.6	106 800*				76.0
80.0	16.0	101.9	62 200*	30.2	117.7	92 400*	39.7	126.1	107 500*	47.4	131.1	99 900*	53.9	133.8	92 400*	80.0
84.0				23.1	109.4	84 600*	34.4	120.7	100 800*	42.9	127.0	93 600*	49.9	130.6	86 500*	84.0
88.0				12.2	96.2	78 600*	28.3	113.9	94 600*	38.0	122.2	87 800*	45.6	126.9	81 100*	88.0
92.0							20.4	104.7	88 800*	32.4	116.4	82 500*	41.0	122.5	76 100*	92.0
96.0							5.5	86.1	83 100*	25.8	108.9	77 500*	35.9	117.3	71 500*	96.0
100.0										16.9	98.3	72 800*	30.0	110.9	67 200*	100.0
104.0													22.7	102.6	63 100*	104.0
108.0													11.5	88.9	59 100*	108.0

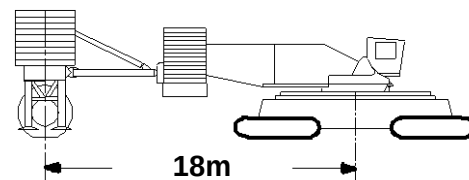
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



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

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	150 000*							60.0
62.0	49.1	142.0	88 300*	55.5	146.5	133 900*	61.3	149.2	146 000*							62.0
64.0	47.2	140.1	84 300*	53.7	145.0	129 200*	59.7	148.0	140 200*							64.0
66.0	45.2	138.2	80 500*	51.9	143.5	124 400*	57.9	146.8	135 000*							66.0
68.0	43.1	136.0	76 900*	50.0	141.8	119 500*	56.2	145.4	130 100*							68.0
70.0	40.9	133.8	73 500*	48.1	140.0	114 700*	54.4	144.0	125 500*							70.0
72.0	38.6	131.3	70 400*	46.1	138.1	109 900*	52.6	142.5	121 100*	58.5	145.0	112 300*				72.0
74.0	36.1	128.6	67 400*	44.0	136.0	105 300*	50.8	140.9	117 000*	56.8	143.7	108 400*				74.0
76.0	33.6	125.6	64 600*	41.9	133.8	100 800*	48.8	139.2	113 000*	55.0	142.3	104 700*				76.0
80.0	27.8	118.7	59 800*	37.2	128.9	92 200*	44.8	135.3	105 700*	51.3	139.3	97 800*				80.0
84.0	20.5	109.4	55 900*	32.1	122.9	84 500*	40.5	130.9	99 000*	47.5	135.7	91 600*	53.6	138.4	84 300*	84.0
88.0	8.1	92.8	53 900*	25.9	115.5	77 600*	35.7	125.6	93 000*	43.4	131.7	85 900*	49.8	135.2	78 900*	88.0
92.0				17.9	105.2	71 900*	30.3	119.3	87 400*	38.9	127.0	80 700*	45.9	131.5	74 000*	92.0
96.0							23.8	111.2	82 100*	34.0	121.4	75 800*	41.7	127.2	69 500*	96.0
100.0							14.7	99.3	77 100*	28.2	114.6	71 300*	37.0	122.2	65 300*	100.0
104.0										21.1	105.6	67 000*	31.8	116.2	61 400*	104.0
108.0										9.7	90.3	62 800*	25.6	108.7	57 700*	108.0
112.0													17.5	98.2	54 100*	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

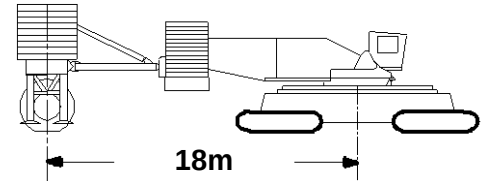
90 720 kg Carbody Counterweight

509 840 kg Wheeled Counterweight

at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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

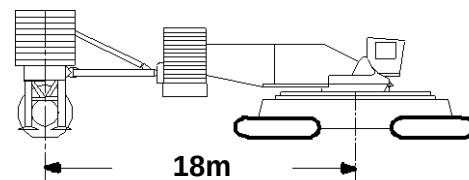
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. 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	128 700*							68.0
70.0	45.4	142.8	72 400*	51.7	148.1	110 100*	57.3	151.4	123 900*							70.0
72.0	43.5	140.7	69 300*	49.9	146.4	105 500*	55.7	150.1	119 500*							72.0
74.0	41.5	138.5	66 400*	48.1	144.6	101 100*	54.1	148.7	115 400*							74.0
76.0	39.4	136.1	63 600*	46.3	142.7	96 800*	52.4	147.1	111 500*	57.8	149.7	103 000*				76.0
80.0	34.9	130.6	58 700*	42.4	138.5	88 400*	48.9	143.8	103 800*	54.6	147.0	96 200*				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	90 000*				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	84 300*	53.2	143.0	77 200*	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	79 100*	49.8	139.8	72 400*	92.0
96.0				21.6	112.2	60 900*	32.0	124.5	72 300*	39.7	131.8	74 400*	46.1	136.1	67 900*	96.0
100.0				11.9	98.4	56 000*	26.4	117.1	65 800*	35.2	126.4	69 900*	42.2	131.9	63 700*	100.0
104.0							19.2	107.3	60 100*	30.2	120.0	65 800*	38.0	127.0	59 900*	104.0
108.0							6.5	88.7	55 600*	24.1	112.0	61 800*	33.3	121.3	56 300*	108.0
112.0										16.1	100.6	58 100*	27.9	114.4	52 900*	112.0
116.0													21.3	105.3	49 700*	116.0
120.0													11.3	91.1	46 400*	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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



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

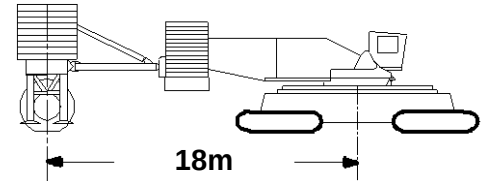
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. 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	94 000*				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	87 900*				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	82 300*				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	70 200*	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	65 800*	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	61 700*	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	57 900*	104.0
108.0							22.4	114.1	39 900*	31.7	125.2	49 000*	38.8	131.8	54 300*	108.0
112.0							14.1	101.5	35 500*	26.5	117.9	43 500*	34.6	126.3	51 000*	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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



85.3m (280 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	227 800*b							44.0
46.0				40.1	110.5	227 400*	55.9	115.8	216 900*b							46.0
48.0				34.7	107.7	214 000*	52.0	114.2	207 000*b							48.0
50.0				28.4	104.2	201 500*	47.8	112.4	197 700*							50.0
52.0				20.3	99.5	190 800*	43.2	110.4	189 200*	58.1	114.2	178 100*b				52.0
54.0							38.3	107.9	181 200*	54.2	112.8	170 600*b				54.0
56.0							32.7	104.9	173 700*	50.2	111.2	163 600*b				56.0
58.0							25.9	101.1	166 600*	45.8	109.3	157 100*				58.0
60.0							16.6	95.5	159 600*	41.2	107.0	150 900*				60.0
62.0										35.9	104.4	145 100*	52.0	109.0	136 300*b	62.0
64.0										29.9	101.1	139 600*	47.8	107.2	131 100*b	64.0
66.0										22.4	96.7	134 300*	43.3	105.2	126 400*	66.0
68.0													38.4	102.7	121 800*	68.0
70.0													32.8	99.7	117 400*	70.0
72.0													26.1	96.0	113 200*	72.0
74.0													16.8	90.4	109 000*	74.0

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

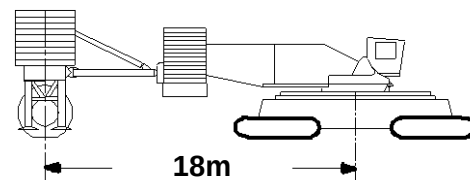
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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

21000
MAX-ER



85.3m (280 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	215 000*b							46.0
48.0	28.2	108.1	136 800*	45.5	117.4	209 100*	58.2	121.8	205 100*b							48.0
50.0	21.5	103.5	130 500*	41.5	115.2	197 100*	54.9	120.4	195 900*							50.0
52.0				37.1	112.7	185 800*	51.5	118.8	187 500*							52.0
54.0				32.2	109.6	175 100*	47.9	117.0	179 600*							54.0
56.0				26.5	105.8	165 600*	44.1	115.0	172 300*	56.8	118.9	161 600*b				56.0
58.0				19.1	100.8	157 300*	40.0	112.7	165 400*	53.5	117.4	155 100*				58.0
60.0							35.5	110.0	159 000*	50.0	115.8	149 100*				60.0
62.0							30.3	106.7	152 800*	46.3	113.9	143 400*				62.0
64.0							24.2	102.6	147 000*	42.4	111.7	138 100*	55.0	115.2	129 000*b	64.0
66.0							15.8	96.7	141 300*	38.1	109.3	133 100*	51.6	113.6	124 300*	66.0
68.0										33.3	106.3	128 200*	48.0	111.8	119 900*	68.0
70.0										27.8	102.8	123 600*	44.2	109.8	115 600*	70.0
72.0										21.0	98.1	119 200*	40.1	107.5	111 600*	72.0
74.0													35.6	104.8	107 800*	74.0
76.0													30.4	101.5	104 100*	76.0
80.0													16.0	91.6	96 900*	80.0

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

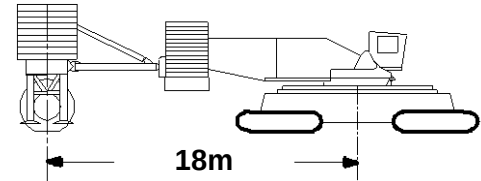
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



85.3m (280 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	203 600*b							48.0
50.0	36.0	116.6	125 100*	49.2	124.0	193 200*	59.9	127.7	194 500*							50.0
52.0	31.6	113.4	118 500*	45.9	122.1	182 800*	57.1	126.4	186 100*							52.0
54.0	26.6	109.7	112 800*	42.5	119.9	172 800*	54.2	125.0	178 300*							54.0
56.0	20.4	104.8	108 100*	38.8	117.5	163 300*	51.2	123.4	171 100*							56.0
58.0				34.8	114.7	154 400*	48.1	121.6	164 300*	58.7	124.9	153 600*				58.0
60.0				30.2	111.4	146 100*	44.8	119.7	157 900*	55.9	123.5	147 600*				60.0
62.0				24.9	107.4	138 600*	41.2	117.4	151 900*	52.9	122.0	142 100*				62.0
64.0				18.2	102.0	132 100*	37.4	114.9	146 300*	49.9	120.4	136 800*				64.0
66.0							33.3	111.9	141 000*	46.7	118.5	131 800*				66.0
68.0							28.5	108.4	135 900*	43.3	116.4	127 100*				68.0
70.0							22.8	104.0	131 000*	39.6	114.1	122 700*	51.3	118.2	114 200*	70.0
72.0							15.1	97.8	126 200*	35.7	111.3	118 500*	48.1	116.4	110 300*	72.0
74.0										31.3	108.2	114 400*	44.8	114.5	106 500*	74.0
76.0										26.2	104.3	110 500*	41.3	112.2	103 000*	76.0
80.0													33.3	106.7	96 300*	80.0
84.0													23.0	98.9	90 000*	84.0

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

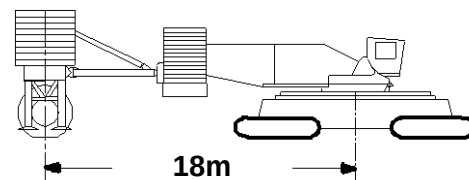
**Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).**

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



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

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	192 300*							50.0
52.0	41.0	124.0	115 200*	51.9	130.3	178 300*	61.2	133.6	184 000*							52.0
54.0	37.6	121.5	109 100*	49.2	128.6	169 500*	58.7	132.4	176 300*							54.0
56.0	34.0	118.6	103 600*	46.3	126.7	160 900*	56.2	131.1	169 100*							56.0
58.0	29.9	115.2	98 600*	43.3	124.6	152 500*	53.6	129.6	162 300*							58.0
60.0	25.2	111.2	94 200*	40.1	122.3	144 600*	51.0	128.0	156 100*							60.0
62.0	19.4	106.1	90 700*	36.6	119.6	137 000*	48.2	126.3	150 100*	57.7	129.5	139 900*				62.0
64.0	10.9	98.1	88 500*	32.8	116.6	129 800*	45.3	124.3	144 600*	55.1	128.2	134 600*				64.0
66.0				28.6	113.1	123 300*	42.2	122.1	139 400*	52.5	126.6	129 700*				66.0
68.0				23.7	108.8	117 300*	38.9	119.7	134 400*	49.8	125.0	125 100*				68.0
70.0				17.4	103.2	112 100*	35.3	116.9	129 700*	46.9	123.1	120 700*				70.0
72.0							31.4	113.8	125 200*	43.9	121.1	116 600*	53.7	124.4	108 000*	72.0
74.0							27.0	110.1	120 900*	40.8	118.8	112 600*	51.0	122.8	104 300*	74.0
76.0							21.7	105.4	116 800*	37.4	116.2	108 900*	48.2	121.0	100 900*	76.0
80.0										29.6	109.9	101 800*	42.2	116.9	94 300*	80.0
84.0										19.0	100.6	95 200*	35.4	111.8	88 400*	84.0
88.0													27.1	104.9	82 800*	88.0
92.0													14.8	93.8	77 400*	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

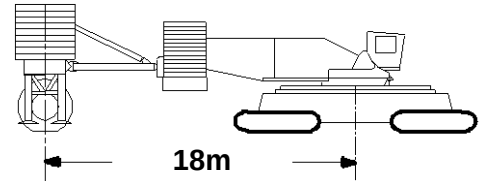
90 720 kg Carbody Counterweight

509 840 kg Wheeled Counterweight

at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			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	182 300*							52.0
54.0	44.7	130.9	106 800*	54.0	136.4	164 700*	62.2	139.5	174 600*							54.0
56.0	41.9	128.7	101 300*	51.6	134.9	157 300*	60.0	138.3	167 500*							56.0
58.0	38.9	126.3	96 200*	49.1	133.2	149 900*	57.8	137.1	160 800*							58.0
60.0	35.7	123.5	91 500*	46.6	131.3	142 700*	55.5	135.7	154 600*							60.0
62.0	32.3	120.5	87 200*	43.9	129.2	135 700*	53.2	134.2	148 700*							62.0
64.0	28.5	116.9	83 300*	41.0	127.0	129 000*	50.8	132.6	143 200*	59.1	135.5	133 000*				64.0
66.0	24.1	112.7	80 000*	38.0	124.5	122 500*	48.3	130.9	138 000*	56.8	134.2	128 100*				66.0
68.0	18.7	107.3	77 200*	34.8	121.7	116 500*	45.7	128.9	133 100*	54.5	132.8	123 600*				68.0
70.0	10.8	99.2	75 500*	31.2	118.5	110 700*	42.9	126.8	128 500*	52.2	131.2	119 200*				70.0
72.0				27.3	114.8	105 500*	40.0	124.5	124 100*	49.7	129.6	115 100*				72.0
74.0				22.7	110.3	100 700*	36.9	121.9	119 800*	47.1	127.7	111 200*				74.0
76.0				16.8	104.4	96 500*	33.6	118.9	115 900*	44.5	125.7	107 500*	53.2	129.0	99 200*	76.0
80.0							25.8	111.6	108 400*	38.7	121.1	100 600*	48.3	125.6	92 800*	80.0
84.0							14.2	100.0	101 300*	32.1	115.2	94 300*	43.0	121.6	86 900*	84.0
88.0										23.7	107.3	88 400*	37.0	116.7	81 600*	88.0
92.0													30.0	110.4	76 600*	92.0
96.0													20.9	101.6	71 800*	96.0

Capacities indicated by (b) require

16 780 kg minimum weight suspended

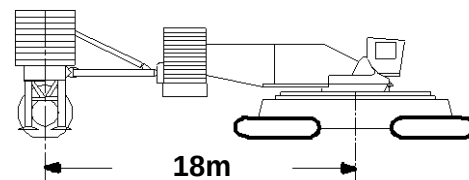
beneath luffing jib point.

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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

21000
MAX-ER



85.3m (280 Ft.) Boom, 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	165 300*							56.0
58.0	45.1	135.5	94 400*	53.6	141.1	145 800*	61.1	144.2	158 700*							58.0
60.0	42.6	133.4	89 800*	51.4	139.5	139 500*	59.1	143.0	152 500*							60.0
62.0	39.9	131.0	85 500*	49.1	137.8	133 400*	57.0	141.7	146 600*							62.0
64.0	37.1	128.4	81 400*	46.8	135.9	127 300*	55.0	140.4	141 200*							64.0
66.0	34.1	125.6	77 700*	44.4	133.9	121 400*	52.8	138.8	136 000*							66.0
68.0	30.9	122.3	74 300*	41.8	131.7	115 700*	50.6	137.2	131 100*	58.2	140.2	121 300*				68.0
70.0	27.3	118.6	71 300*	39.1	129.3	110 200*	48.3	135.5	126 600*	56.1	138.8	117 000*				70.0
72.0	23.1	114.2	68 600*	36.3	126.6	105 000*	46.0	133.5	122 200*	54.0	137.4	112 900*				72.0
74.0	18.0	108.6	66 500*	33.2	123.6	100 100*	43.5	131.5	118 100*	51.9	135.8	109 100*				74.0
76.0	10.7	100.2	65 200*	29.9	120.3	95 500*	40.9	129.2	114 100*	49.6	134.2	105 400*				76.0
80.0				21.8	111.7	87 300*	35.3	123.9	106 800*	44.9	130.3	98 600*	52.9	133.6	90 500*	80.0
84.0							28.6	117.3	100 100*	39.7	125.8	92 400*	48.4	130.2	84 800*	84.0
88.0							20.1	108.1	93 800*	33.9	120.3	86 700*	43.5	126.3	79 500*	88.0
92.0										27.0	113.3	81 400*	38.2	121.5	74 600*	92.0
96.0										17.7	103.1	76 300*	32.2	115.6	70 100*	96.0
100.0													24.8	108.0	65 800*	100.0
104.0													14.0	96.1	61 600*	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

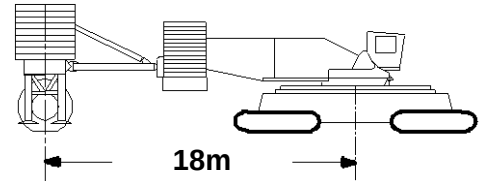
90 720 kg Carbody Counterweight

509 840 kg Wheeled Counterweight

at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



85.3m (280 Ft.) Boom, 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*(b)													30.5
32.0	73.2	158.5	148 700*(b)													32.0
34.0	71.6	157.8	148 700*													34.0
36.0	69.9	157.1	147 400*													36.0
38.0	68.2	156.3	143 200*													38.0
40.0	66.5	155.5	138 300*													40.0
42.0	64.8	154.5	133 100*													42.0
44.0	63.0	153.5	127 900*													44.0
46.0	61.3	152.4	122 600*	67.7	155.0	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	156 800*							58.0
60.0	47.6	142.1	88 600*	55.1	147.2	135 300*	61.9	150.1	150 700*							60.0
62.0	45.4	140.2	84 400*	53.2	145.7	130 200*	60.1	149.0	144 900*							62.0
64.0	43.1	138.0	80 500*	51.2	144.1	125 000*	58.3	147.7	139 400*							64.0
66.0	40.8	135.8	76 900*	49.1	142.4	119 800*	56.4	146.4	134 300*							66.0
68.0	38.3	133.3	73 400*	47.0	140.5	114 700*	54.5	145.0	129 400*							68.0
70.0	35.6	130.5	70 200*	44.8	138.5	109 800*	52.5	143.5	124 900*							70.0
72.0	32.8	127.5	67 300*	42.5	136.4	105 000*	50.5	141.8	120 500*	57.5	144.8	111 100*				72.0
74.0	29.7	124.1	64 600*	40.1	134.0	100 300*	48.4	140.1	116 400*	55.6	143.5	107 300*				74.0
76.0	26.2	120.2	62 200*	37.5	131.5	95 900*	46.2	138.2	112 500*	53.6	142.0	103 600*				76.0
80.0	17.5	109.8	58 500*	31.9	125.5	87 600*	41.6	133.9	105 300*	49.6	138.8	96 900*				80.0
84.0				25.2	117.9	80 400*	36.6	128.8	98 700*	45.3	135.0	90 700*	52.5	138.2	82 900*	84.0
88.0				15.9	106.7	74 600*	30.8	122.7	92 600*	40.6	130.6	85 100*	48.4	134.8	77 700*	88.0
92.0							23.8	114.6	87 000*	35.4	125.3	79 900*	44.0	130.9	72 900*	92.0
96.0							13.6	102.3	81 600*	29.4	118.8	75 100*	39.2	126.3	68 500*	96.0
100.0										22.0	110.2	70 600*	33.9	120.7	64 300*	100.0
104.0													27.6	113.8	60 400*	104.0
108.0													19.5	104.2	56 700*	108.0

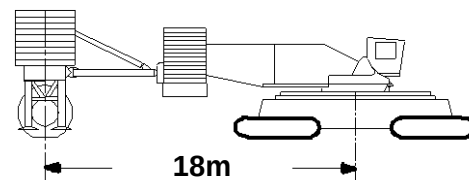
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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

21000
MAX-ER



85.3m (280 Ft.) Boom, 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	137 300*							64.0
66.0	45.7	144.8	75 200*	52.9	150.3	116 200*	59.3	153.7	132 200*							66.0
68.0	43.6	142.7	72 000*	51.0	148.7	111 900*	57.6	152.4	127 300*							68.0
70.0	41.4	140.5	68 800*	49.1	147.0	107 500*	55.8	151.0	122 800*							70.0
72.0	39.2	138.0	65 900*	47.1	145.1	103 100*	54.1	149.6	118 500*							72.0
74.0	36.8	135.4	63 100*	45.1	143.2	99 000*	52.2	148.1	114 500*	58.6	150.8	105 100*				74.0
76.0	34.3	132.5	60 600*	43.0	141.0	94 900*	50.4	146.4	110 600*	56.8	149.5	101 500*				76.0
80.0	28.6	125.8	56 100*	38.5	136.3	87 000*	46.4	142.8	103 400*	53.3	146.6	94 800*				80.0
84.0	21.6	117.0	52 500*	33.5	130.6	79 900*	42.3	138.6	96 900*	49.5	143.4	88 700*				84.0
88.0	10.6	102.4	50 400*	27.7	123.6	73 600*	37.7	133.7	90 900*	45.6	139.6	83 100*	52.3	142.9	75 500*	88.0
92.0				20.4	114.4	68 200*	32.6	127.8	85 400*	41.3	135.3	78 000*	48.5	139.5	70 700*	92.0
96.0				7.8	97.5	64 400*	26.6	120.6	80 300*	36.6	130.2	73 300*	44.4	135.6	66 400*	96.0
100.0							18.8	110.6	75 400*	31.4	124.1	68 900*	40.1	131.0	62 300*	100.0
104.0										25.1	116.4	64 800*	35.3	125.7	58 500*	104.0
108.0										16.7	105.5	60 800*	29.8	119.2	55 000*	108.0
112.0													23.1	110.9	51 600*	112.0
116.0													13.5	98.3	48 200*	116.0

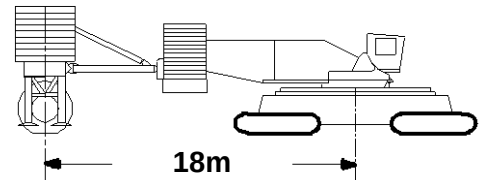
Liftcrane Luffing Jib Capacities

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 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

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

**21000
 MAX-ER**



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

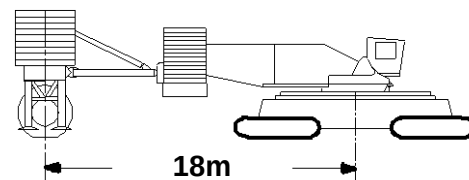
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. 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	121 200*							70.0
72.0	44.0	147.3	64 600*	50.9	153.3	100 600*	57.0	157.1	116 900*							72.0
74.0	42.0	145.1	62 000*	49.1	151.6	96 900*	55.4	155.7	112 900*							74.0
76.0	40.0	142.8	59 400*	47.3	149.7	93 300*	53.7	154.2	109 000*							76.0
80.0	35.5	137.5	54 800*	43.5	145.7	86 100*	50.3	151.0	101 900*	56.3	154.2	93 100*				80.0
84.0	30.5	131.2	50 800*	39.3	141.0	79 400*	46.6	147.4	95 400*	53.0	151.2	87 000*				84.0
88.0	24.5	123.2	47 500*	34.8	135.6	73 200*	42.8	143.2	89 500*	49.5	148.0	81 500*				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	76 500*	52.0	147.5	69 000*	92.0
96.0				23.5	120.9	62 400*	34.0	132.9	74 900*	41.9	140.0	71 800*	48.5	144.1	64 700*	96.0
100.0				15.1	109.0	57 200*	28.7	126.1	68 300*	37.6	135.0	67 500*	44.8	140.2	60 700*	100.0
104.0							22.3	117.5	62 200*	32.9	129.2	63 400*	40.8	135.8	57 000*	104.0
108.0							13.1	104.5	57 100*	27.4	122.2	59 600*	36.4	130.6	53 500*	108.0
112.0										20.7	112.9	56 000*	31.5	124.5	50 200*	112.0
116.0													25.8	117.0	47 100*	116.0
120.0													18.4	106.8	44 100*	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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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

21000
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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 Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib 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	90 900*				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	84 900*				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	79 400*				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	74 400*				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	69 800*	51.8	152.1	62 500*	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	58 600*	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	54 900*	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	51 500*	108.0
112.0							17.9	113.1	37 200*	29.3	127.6	46 400*	37.4	135.5	48 300*	112.0
116.0										23.6	119.4	41 200*	32.9	129.7	45 200*	116.0
120.0										15.9	107.8	36 600*	27.9	122.7	42 400*	120.0
124.0													21.8	113.7	39 600*	124.0
128.0													13.1	100.5	35 800*	128.0

Liftcrane Luffing Jib Capacities

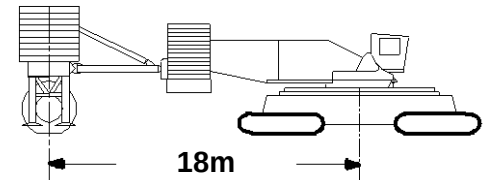
21000

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 18m 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, 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	212 800*b							46.0
48.0				37.6	115.3	201 200*	55.1	121.3	203 000*b							48.0
50.0				31.9	112.2	189 700*	51.1	119.8	194 000*b							50.0
52.0				25.0	108.2	179 500*	46.8	117.9	185 600*b							52.0
54.0				15.0	102.2	171 300*	42.2	115.8	177 700*	58.2	120.0	165 900*b				54.0
56.0							37.2	113.2	170 400*	54.4	118.6	159 100*b				56.0
58.0							31.4	110.1	163 500*	50.3	117.0	152 800*b				58.0
60.0							24.3	106.0	156 900*	46.0	115.1	146 800*b				60.0
62.0							13.8	99.7	150 400*	41.4	112.9	141 200*				62.0
64.0										36.2	110.2	135 900*	53.2	115.0	126 300*b	64.0
66.0										30.2	107.0	130 800*	49.1	113.3	121 700*b	66.0
68.0										22.8	102.7	125 900*	44.7	111.3	117 300*	68.0
70.0										10.8	95.3	120 900*	39.9	109.0	113 100*	70.0
72.0													34.5	106.2	109 100*	72.0
74.0													28.2	102.7	105 200*	74.0
76.0													20.0	97.9	101 400*	76.0

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

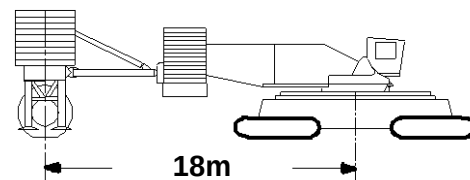
Do not luff into area indicated by (c)
 with 16 780 kg minimum weight
 (see CAUTION on page 1).

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



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	210 700*b							46.0
48.0	29.8	115.1	128 100*	47.5	124.5	195 700*	60.7	128.6	201 000*b							48.0
50.0	23.5	110.9	122 200*	43.6	122.4	184 800*	57.5	127.4	192 000*b							50.0
52.0				39.5	120.1	174 700*	54.2	126.0	183 700*b							52.0
54.0				34.9	117.3	165 200*	50.8	124.4	176 000*							54.0
56.0				29.6	114.0	156 300*	47.2	122.5	168 800*							56.0
58.0				23.3	109.7	148 400*	43.3	120.4	162 100*	57.0	124.7	150 600*b				58.0
60.0				14.4	103.3	142 000*	39.1	118.0	155 800*	53.6	123.2	144 800*b				60.0
62.0							34.5	115.2	149 800*	50.2	121.6	139 300*				62.0
64.0							29.2	111.8	144 200*	46.5	119.7	134 100*				64.0
66.0							22.7	107.5	138 700*	42.6	117.6	129 200*				66.0
68.0							13.3	100.8	133 300*	38.3	115.1	124 600*	52.6	119.6	115 200*	68.0
70.0										33.6	112.2	120 100*	49.1	117.9	111 100*	70.0
72.0										28.1	108.7	115 900*	45.3	116.0	107 200*	72.0
74.0										21.3	104.0	111 700*	41.3	113.7	103 600*	74.0
76.0										10.7	96.4	107 500*	36.9	111.1	100 000*	76.0
80.0													26.2	104.3	93 400*	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

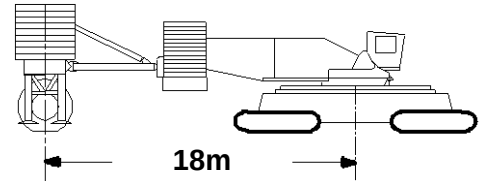
90 720 kg Carbody Counterweight

509 840 kg Wheeled Counterweight

at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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	190 500*b							50.0
52.0	32.8	120.4	110 900*	47.7	129.1	171 000*	59.3	133.3	182 300*b							52.0
54.0	28.0	116.8	105 600*	44.3	127.1	162 200*	56.5	132.0	174 700*							54.0
56.0	22.2	112.3	101 100*	40.8	124.8	153 600*	53.6	130.6	167 500*							56.0
58.0				36.9	122.2	145 500*	50.6	128.9	160 900*							58.0
60.0				32.7	119.2	137 900*	47.4	127.1	154 700*	58.8	130.6	143 200*b				60.0
62.0				27.9	115.6	130 900*	44.0	125.1	148 800*	56.0	129.3	137 800*				62.0
64.0				22.0	111.1	124 700*	40.5	122.8	143 300*	53.1	127.8	132 700*				64.0
66.0				13.9	104.4	119 600*	36.6	120.2	138 000*	50.0	126.2	127 800*				66.0
68.0							32.3	117.1	133 100*	46.8	124.3	123 300*				68.0
70.0							27.4	113.5	128 400*	43.4	122.2	119 000*				70.0
72.0							21.5	108.8	123 800*	39.8	119.9	114 900*	52.1	124.2	105 800*	72.0
74.0							12.9	101.8	119 300*	35.9	117.2	110 900*	49.1	122.5	102 100*	74.0
76.0										31.5	114.1	107 200*	45.8	120.6	98 700*	76.0
80.0										20.2	105.3	100 000*	38.6	116.0	92 300*	80.0
84.0													30.0	109.9	86 400*	84.0
88.0													17.9	100.3	80 700*	88.0

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

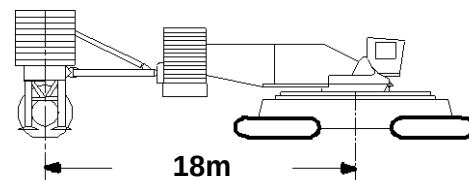
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



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	180 100*							52.0
54.0	38.5	128.2	102 000*	50.6	135.5	158 200*	60.7	139.3	172 500*							54.0
56.0	35.0	125.4	96 900*	47.8	133.7	150 500*	58.2	138.0	165 400*							56.0
58.0	31.0	122.2	92 300*	44.9	131.7	143 000*	55.7	136.7	158 800*							58.0
60.0	26.5	118.4	88 200*	41.8	129.5	135 800*	53.1	135.2	152 700*							60.0
62.0	21.1	113.7	84 800*	38.5	127.1	128 900*	50.4	133.5	146 900*							62.0
64.0	13.7	106.9	82 500*	34.9	124.3	122 400*	47.6	131.7	141 400*	57.8	135.3	130 400*				64.0
66.0				30.9	121.0	116 400*	44.6	129.7	136 300*	55.2	133.9	125 700*				66.0
68.0				26.4	117.2	110 900*	41.5	127.5	131 500*	52.6	132.4	121 200*				68.0
70.0				21.0	112.4	105 900*	38.2	125.0	126 800*	49.9	130.8	116 900*				70.0
72.0				13.5	105.5	101 900*	34.6	122.2	122 500*	47.1	128.9	112 900*				72.0
74.0							30.6	118.9	118 300*	44.1	126.9	109 100*				74.0
76.0							26.0	115.1	114 300*	40.9	124.6	105 400*	51.8	128.8	96 500*	76.0
80.0							12.6	102.9	106 500*	33.9	119.2	98 600*	46.2	125.2	90 200*	80.0
84.0										25.1	111.8	92 300*	39.9	120.8	84 500*	84.0
88.0										10.6	98.5	86 000*	32.7	115.1	79 200*	88.0
92.0													23.5	107.3	74 200*	92.0
96.0													5.3	90.3	69 000*	96.0

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

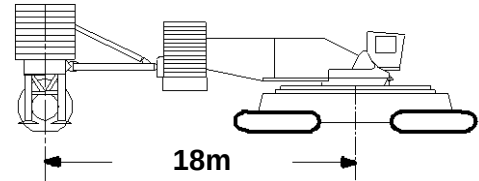
**Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).**

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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	170 600*							54.0
56.0	42.6	135.4	94 700*	52.9	141.7	146 700*	61.7	145.1	163 900*							56.0
58.0	39.7	133.0	90 000*	50.5	140.1	140 100*	59.6	144.0	157 200*							58.0
60.0	36.6	130.4	85 700*	47.9	138.3	133 700*	57.3	142.7	151 100*							60.0
62.0	33.2	127.4	81 700*	45.3	136.4	127 400*	55.0	141.3	145 400*							62.0
64.0	29.5	124.0	78 100*	42.6	134.2	121 200*	52.7	139.8	140 000*							64.0
66.0	25.3	120.0	74 900*	39.6	131.8	115 400*	50.2	138.1	134 900*	59.2	141.3	124 000*				66.0
68.0	20.3	115.0	72 300*	36.5	129.2	109 800*	47.7	136.3	130 100*	56.9	140.0	119 500*				68.0
70.0	13.4	107.9	70 500*	33.2	126.2	104 600*	45.1	134.4	125 500*	54.6	138.6	115 300*				70.0
72.0				29.4	122.8	99 700*	42.3	132.2	121 200*	52.3	137.0	111 300*				72.0
74.0				25.2	118.8	95 300*	39.4	129.8	117 100*	49.8	135.4	107 600*				74.0
76.0				20.1	113.7	91 300*	36.2	127.2	113 200*	47.3	133.5	103 900*				76.0
80.0							29.1	120.7	105 900*	41.8	129.3	97 300*	51.5	133.4	88 600*	80.0
84.0							19.6	111.4	99 100*	35.7	124.2	91 100*	46.5	129.8	82 900*	84.0
88.0										28.4	117.5	85 400*	40.9	125.5	77 800*	88.0
92.0										18.5	107.9	80 100*	34.6	120.1	73 000*	92.0
96.0													27.1	113.2	68 500*	96.0
100.0													16.5	102.7	64 100*	100.0

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

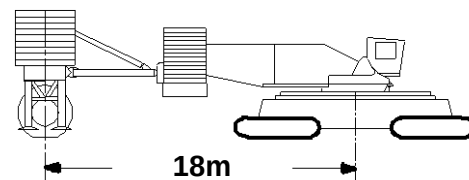
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



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*													29.0
30.0	73.9	159.0	151 000*													30.0
32.0	72.1	158.3	151 000*													32.0
34.0	70.3	157.6	150 300*													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	155 100*							58.0
60.0	43.2	140.0	83 600*	52.5	146.3	130 000*	60.6	149.9	149 000*							60.0
62.0	40.6	137.7	79 700*	50.3	144.7	124 500*	58.6	148.7	143 300*							62.0
64.0	37.9	135.2	75 900*	48.0	142.9	118 900*	56.6	147.4	137 900*							64.0
66.0	35.0	132.4	72 500*	45.7	141.0	113 700*	54.5	145.9	132 800*							66.0
68.0	31.8	129.3	69 400*	43.2	138.9	108 500*	52.4	144.4	128 100*							68.0
70.0	28.3	125.7	66 600*	40.6	136.6	103 500*	50.1	142.7	123 600*	58.3	146.0	113 000*				70.0
72.0	24.3	121.5	64 100*	37.8	134.0	98 700*	47.8	141.0	119 300*	56.2	144.6	109 100*				72.0
74.0	19.5	116.3	62 000*	34.9	131.2	94 200*	45.5	139.0	115 200*	54.1	143.2	105 300*				74.0
76.0	13.1	109.0	60 600*	31.7	128.1	90 000*	43.0	136.9	111 400*	52.0	141.6	101 800*				76.0
80.0				24.2	120.3	82 400*	37.6	132.0	104 300*	47.4	138.1	95 200*				80.0
84.0				12.9	107.7	76 600*	31.4	126.0	97 700*	42.5	134.0	89 100*	51.3	138.0	80 700*	84.0
88.0							23.8	118.1	91 600*	37.1	129.1	83 600*	46.7	134.4	75 600*	88.0
92.0							12.2	105.1	85 800*	30.8	122.9	78 500*	41.7	130.2	70 900*	92.0
96.0										23.0	114.7	73 700*	36.2	125.1	66 600*	96.0
100.0										10.5	100.7	68 900*	29.7	118.7	62 500*	100.0
104.0													21.6	110.1	58 700*	104.0
108.0													6.6	93.0	54 600*	108.0

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

Liftcrane Luffing Jib Capacities

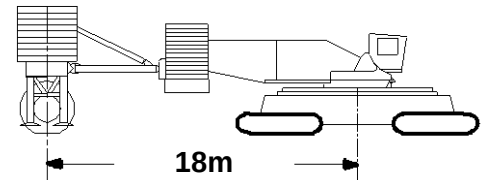
21000

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 18m 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	141 400*							62.0
64.0	43.8	144.7	74 800*	52.3	150.9	116 400*	59.7	154.6	136 100*							64.0
66.0	41.4	142.5	71 500*	50.2	149.3	111 700*	57.9	153.3	131 100*							66.0
68.0	38.9	140.0	68 300*	48.1	147.5	107 100*	56.0	152.0	126 300*							68.0
70.0	36.3	137.3	65 400*	46.0	145.6	102 600*	54.1	150.6	121 800*							70.0
72.0	33.5	134.4	62 700*	43.7	143.5	98 200*	52.1	149.0	117 600*	59.4	151.9	107 200*				72.0
74.0	30.5	131.1	60 200*	41.3	141.3	94 000*	50.0	147.3	113 600*	57.5	150.6	103 400*				74.0
76.0	27.2	127.3	58 000*	38.9	138.8	89 900*	47.9	145.6	109 800*	55.6	149.3	99 900*				76.0
80.0	18.9	117.6	54 400*	33.5	133.2	82 300*	43.5	141.5	102 700*	51.7	146.2	93 400*				80.0
84.0				27.1	126.1	75 700*	38.7	136.8	96 200*	47.6	142.7	87 400*				84.0
88.0				18.8	116.3	70 100*	33.2	131.1	90 300*	43.1	138.7	82 000*	51.1	142.6	73 700*	88.0
92.0							26.8	124.0	84 800*	38.2	133.9	76 900*	46.9	139.0	69 100*	92.0
96.0							18.3	114.0	79 600*	32.7	128.1	72 300*	42.4	134.9	64 900*	96.0
100.0										26.1	120.8	67 900*	37.4	130.0	60 900*	100.0
104.0										17.4	110.3	63 700*	31.8	124.0	57 200*	104.0
108.0													25.0	116.3	53 600*	108.0
112.0													15.6	105.0	50 200*	112.0

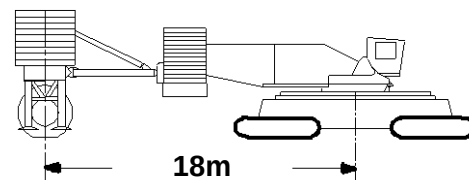
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



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	129 200*							66.0
68.0	44.2	149.3	66 700*	52.0	155.6	104 000*	58.9	159.3	124 200*							68.0
70.0	42.0	147.1	63 800*	50.1	153.9	100 100*	57.2	158.0	119 700*							70.0
72.0	39.8	144.8	61 100*	48.2	152.1	96 200*	55.5	156.6	115 500*							72.0
74.0	37.4	142.2	58 600*	46.2	150.2	92 300*	53.7	155.2	111 600*							74.0
76.0	34.9	139.4	56 200*	44.1	148.2	88 500*	51.8	153.6	107 800*	58.6	156.6	97 700*				76.0
80.0	29.4	132.9	52 100*	39.7	143.6	81 400*	48.0	150.2	100 700*	55.1	153.9	91 200*				80.0
84.0	22.6	124.4	48 700*	34.9	138.2	74 900*	43.9	146.2	94 300*	51.5	150.8	85 300*				84.0
88.0	12.7	111.2	46 700*	29.3	131.7	69 000*	39.5	141.6	88 500*	47.7	147.4	79 900*				88.0
92.0				22.5	123.2	64 000*	34.7	136.2	83 100*	43.6	143.3	74 900*	50.9	147.2	66 900*	92.0
96.0				12.5	109.9	60 200*	29.1	129.5	78 100*	39.1	138.7	70 400*	47.1	143.7	62 700*	96.0
100.0							22.2	120.9	73 400*	34.2	133.1	66 100*	42.9	139.5	58 800*	100.0
104.0							11.9	107.2	68 800*	28.5	126.4	62 100*	38.4	134.8	55 100*	104.0
108.0										21.5	117.5	58 300*	33.4	129.1	51 800*	108.0
112.0										10.4	102.8	54 500*	27.6	122.1	48 500*	112.0
116.0													20.2	112.7	45 400*	116.0
120.0													7.4	95.5	42 200*	120.0

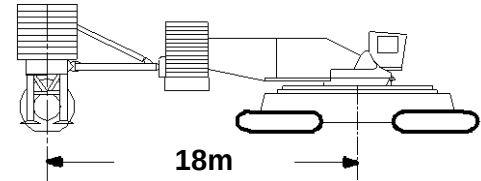
Capacities indicated by **(b)** require
16 780 kg minimum weight suspended
beneath luffing jib point.

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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

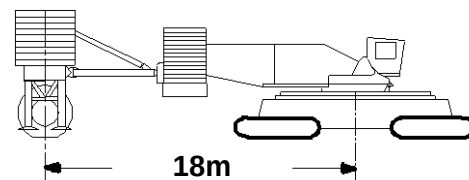
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. 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	114 100*							72.0
74.0	42.6	151.8	57 300*	50.0	158.5	90 100*	56.7	162.7	109 900*							74.0
76.0	40.5	149.5	55 000*	48.2	156.7	86 800*	55.0	161.3	106 100*							76.0
80.0	36.1	144.3	50 700*	44.5	152.8	80 300*	51.6	158.2	99 200*	58.0	161.3	89 500*				80.0
84.0	31.2	138.2	47 100*	40.5	148.3	74 100*	48.1	154.8	92 800*	54.7	158.5	83 600*				84.0
88.0	25.4	130.5	44 000*	36.1	143.1	68 400*	44.3	150.8	87 000*	51.3	155.5	78 200*				88.0
92.0	17.9	120.0	41 700*	31.1	137.0	63 300*	40.3	146.3	81 700*	47.8	152.0	73 300*	54.2	155.0	65 100*	92.0
96.0				25.3	129.3	58 800*	35.9	141.1	76 800*	44.0	148.0	68 800*	50.8	151.8	61 000*	96.0
100.0				17.8	118.8	55 100*	30.9	134.9	70 700*	39.9	143.4	64 600*	47.2	148.3	57 100*	100.0
104.0							25.0	127.1	64 500*	35.4	138.1	60 700*	43.4	144.2	53 600*	104.0
108.0							17.4	116.4	59 000*	30.4	131.8	57 100*	39.3	139.5	50 200*	108.0
112.0										24.4	123.8	53 600*	34.7	134.1	47 100*	112.0
116.0										16.5	112.7	50 200*	29.6	127.6	44 100*	116.0
120.0													23.4	119.3	41 300*	120.0
124.0													14.9	107.3	38 500*	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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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

21000
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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	81 300*				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	76 100*				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	71 200*				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	66 700*				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	62 600*	50.7	156.4	54 900*	100.0
104.0				21.3	125.9	38 800*	32.4	140.0	49 700*	40.6	148.2	58 800*	47.3	152.9	51 400*	104.0
108.0				12.2	112.1	34 500*	27.2	132.9	44 100*	36.5	143.0	55 200*	43.8	148.9	48 100*	108.0
112.0							20.9	123.7	39 100*	32.0	137.0	49 400*	40.0	144.3	45 000*	112.0
116.0							11.6	109.4	34 900*	26.7	129.7	43 900*	35.8	139.0	42 100*	116.0
120.0										20.3	120.2	39 000*	31.2	132.8	39 400*	120.0
124.0										10.4	105.0	34 800*	25.9	125.3	36 800*	124.0
128.0													19.1	115.3	34 300*	128.0
132.0													7.8	97.8	31 600*	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

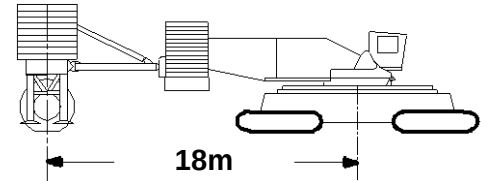
90 720 kg Carbody Counterweight

509 840 kg Wheeled Counterweight

at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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	208 900*b							46.0
48.0				40.4	122.6	189 200*	58.1	128.3	199 300*b							48.0
50.0				35.0	119.9	178 800*	54.3	126.9	190 400*b							50.0
52.0				28.8	116.5	169 500*	50.2	125.3	182 100*b							52.0
54.0				20.9	111.8	161 400*	45.9	123.4	174 500*b							54.0
56.0							41.2	121.2	167 300*							56.0
58.0							36.0	118.5	160 600*	54.6	124.4	148 600*b				58.0
60.0							30.0	115.2	154 200*	50.5	122.8	142 900*b				60.0
62.0							22.5	110.9	148 100*	46.2	120.9	137 400*b				62.0
64.0							10.1	103.3	141 900*	41.6	118.7	132 300*				64.0
66.0										36.4	116.1	127 400*				66.0
68.0										30.5	112.9	122 700*	50.3	119.3	113 000*b	68.0
70.0										23.1	108.6	118 100*	46.0	117.4	109 000*b	70.0
72.0													41.3	115.2	105 200*	72.0
74.0													36.1	112.6	101 500*	74.0
76.0													30.1	109.3	98 000*	76.0

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

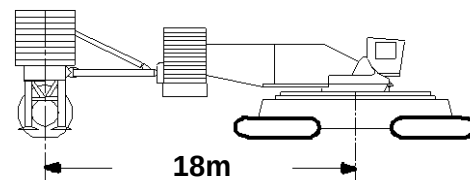
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



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			c										36.0
38.0	52.1	134.0	159 800*			c										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	197 100*b							48.0
50.0	25.3	118.2	115 200*	45.7	129.6	173 600*	60.1	134.3	188 300*b							50.0
52.0	17.5	112.7	111 000*	41.7	127.4	164 600*	56.9	133.0	180 200*b							52.0
54.0				37.4	124.8	156 000*	53.5	131.5	172 600*b							54.0
56.0				32.5	121.8	147 900*	50.0	129.9	165 600*							56.0
58.0				26.9	118.1	140 600*	46.4	128.0	159 000*							58.0
60.0				19.6	113.1	134 200*	42.4	125.9	152 800*	57.1	130.5	140 700*b				60.0
62.0							38.2	123.4	146 900*	53.8	129.0	135 400*b				62.0
64.0							33.4	120.5	141 400*	50.3	127.4	130 300*				64.0
66.0							27.9	116.9	136 100*	46.6	125.5	125 500*				66.0
68.0							21.1	112.2	131 000*	42.7	123.4	121 100*				68.0
70.0							10.1	104.3	126 000*	38.5	120.9	116 700*				70.0
72.0										33.8	118.1	112 600*	50.1	123.9	103 100*	72.0
74.0										28.3	114.6	108 700*	46.4	122.1	99 600*	74.0
76.0										21.6	110.0	104 900*	42.5	119.9	96 200*	76.0
80.0													33.5	114.5	89 800*	80.0
84.0													21.2	106.3	83 800*	84.0

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

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

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 42.7m Mast No. 81

224 390 kg Crane Counterweight

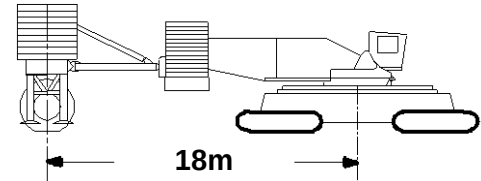
90 720 kg Carbody Counterweight

509 840 kg Wheeled Counterweight

at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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	178 600*b							52.0
54.0	29.3	123.9	99 700*	46.1	134.2	152 400*	58.7	139.0	171 200*b							54.0
56.0	23.9	119.7	95 500*	42.7	132.1	144 800*	55.9	137.6	164 200*							56.0
58.0	16.7	113.9	92 300*	39.0	129.6	137 500*	53.0	136.1	157 700*							58.0
60.0				35.0	126.9	130 600*	49.9	134.5	151 500*							60.0
62.0				30.5	123.6	124 200*	46.7	132.6	145 800*							62.0
64.0				25.3	119.6	118 400*	43.3	130.5	140 400*	56.1	135.1	128 800*				64.0
66.0				18.7	114.4	113 300*	39.7	128.2	135 300*	53.2	133.6	124 100*				66.0
68.0							35.7	125.5	130 400*	50.1	132.0	119 700*				68.0
70.0							31.3	122.3	125 800*	46.9	130.1	115 500*				70.0
72.0							26.3	118.5	121 400*	43.6	128.1	111 500*				72.0
74.0							20.0	113.5	117 100*	40.0	125.7	107 700*	53.0	130.2	98 000*	74.0
76.0							10.1	105.4	112 800*	36.0	123.0	104 000*	50.0	128.5	94 700*	76.0
80.0										26.7	116.2	97 200*	43.4	124.6	88 500*	80.0
84.0													35.8	119.5	82 800*	84.0
88.0													26.4	112.6	77 600*	88.0

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

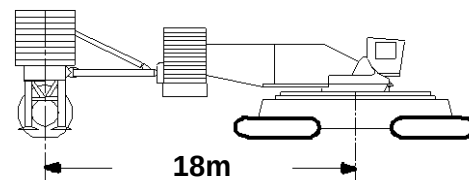
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



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	161 900*							56.0
58.0	32.1	129.2	87 200*	46.5	138.8	134 500*	57.7	143.6	155 500*							58.0
60.0	27.8	125.6	83 500*	43.4	136.7	128 100*	55.2	142.3	149 500*							60.0
62.0	22.7	121.1	80 300*	40.3	134.4	122 000*	52.5	140.7	143 800*							62.0
64.0	16.0	115.1	77 900*	36.8	131.8	116 000*	49.8	139.1	138 500*							64.0
66.0				33.1	128.8	110 500*	47.0	137.2	133 400*	57.9	141.1	121 800*				66.0
68.0				28.9	125.3	105 400*	44.0	135.2	128 600*	55.3	139.7	117 400*				68.0
70.0				24.0	121.1	100 700*	40.8	132.9	124 100*	52.7	138.2	113 300*				70.0
72.0				17.9	115.6	96 800*	37.4	130.4	119 900*	50.0	136.6	109 400*				72.0
74.0							33.7	127.4	115 800*	47.2	134.7	105 600*				74.0
76.0							29.6	124.1	111 900*	44.2	132.7	102 100*				76.0
80.0							19.1	114.8	104 400*	37.7	127.9	95 500*	49.9	133.1	86 300*	80.0
84.0										30.0	121.7	89 400*	44.0	129.3	80 800*	84.0
88.0										19.6	112.6	83 600*	37.5	124.4	75 700*	88.0
92.0													29.7	118.2	71 000*	92.0
96.0													19.2	108.9	66 400*	96.0

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

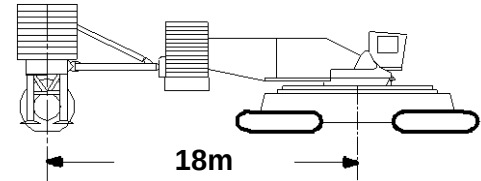
**Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).**

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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*(b)													29.0
30.0	72.8	158.8	145 000*(b)													30.0
32.0	70.8	158.1	144 700*(b)													32.0
34.0	68.8	157.4	143 900*(b)													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*(b)										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	147 900*							60.0
62.0	34.2	134.3	77 000*	46.7	143.4	119 700*	56.9	148.3	142 300*							62.0
64.0	30.6	131.0	73 700*	44.0	141.4	114 200*	54.6	146.9	136 900*							64.0
66.0	26.5	127.2	70 800*	41.2	139.1	108 900*	52.2	145.3	131 900*							66.0
68.0	21.7	122.5	68 300*	38.2	136.6	103 900*	49.7	143.7	127 200*							68.0
70.0	15.5	116.2	66 400*	35.0	133.8	99 100*	47.2	141.8	122 800*	57.0	145.8	111 600*				70.0
72.0				31.5	130.7	94 600*	44.5	139.8	118 600*	54.7	144.4	107 700*				72.0
74.0				27.5	127.0	90 500*	41.7	137.6	114 500*	52.4	142.8	104 100*				74.0
76.0				23.0	122.6	86 700*	38.7	135.2	110 700*	49.9	141.2	100 500*				76.0
80.0							32.1	129.3	103 600*	44.7	137.3	94 000*				80.0
84.0							23.8	121.5	97 000*	39.0	132.7	88 100*	49.8	137.7	79 100*	84.0
88.0							10.2	107.6	90 600*	32.4	127.0	82 600*	44.6	133.9	74 200*	88.0
92.0										24.2	119.2	77 400*	38.8	129.2	69 600*	92.0
96.0										11.0	105.8	72 400*	32.2	123.4	65 300*	96.0
100.0													23.9	115.6	61 200*	100.0

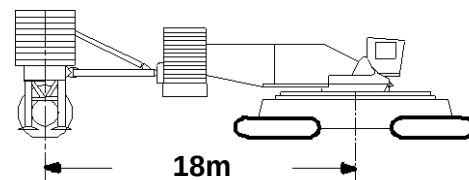
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42.7m Mast No. 81
224 390 kg Crane Counterweight
90 720 kg Carbody Counterweight
509 840 kg Wheeled Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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

21000
MAX-ER



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	134 800*							64.0
66.0	35.8	139.3	68 200*	46.9	148.0	106 700*	56.2	152.9	129 800*							66.0
68.0	32.6	136.2	65 300*	44.5	146.0	102 000*	54.1	151.5	125 100*							68.0
70.0	29.2	132.8	62 700*	42.0	143.8	97 600*	51.9	150.0	120 700*							70.0
72.0	25.4	128.8	60 400*	39.3	141.4	93 200*	49.7	148.3	116 500*	58.4	151.7	105 400*				72.0
74.0	20.9	123.9	58 500*	36.5	138.8	89 100*	47.3	146.4	112 600*	56.3	150.4	101 800*				74.0
76.0	15.1	117.4	57 000*	33.4	135.8	85 200*	44.9	144.5	108 800*	54.2	149.0	98 300*				76.0
80.0				26.4	128.6	78 200*	39.8	139.9	101 800*	49.8	145.8	91 900*				80.0
84.0				16.7	118.0	72 500*	34.0	134.4	95 400*	45.1	142.0	86 000*	54.1	145.6	76 800*	84.0
88.0							27.0	127.4	89 500*	40.0	137.5	80 700*	49.7	142.3	71 900*	88.0
92.0							17.7	117.3	83 900*	34.2	132.0	75 700*	45.0	138.5	67 400*	92.0
96.0										27.3	125.1	71 100*	39.8	134.0	63 200*	96.0
100.0										18.1	115.1	66 600*	34.0	128.5	59 400*	100.0
104.0													27.1	121.5	55 700*	104.0
108.0													17.8	111.4	52 100*	108.0

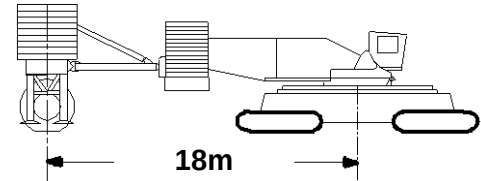
Capacities indicated by **(b)** require
16 780 kg minimum weight suspended
beneath luffing jib point.

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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	119 000*							70.0
72.0	34.3	141.3	58 900*	44.9	150.7	92 200*	53.6	156.1	114 800*							72.0
74.0	31.3	138.1	56 600*	42.6	148.5	88 300*	51.7	154.6	110 800*							74.0
76.0	28.1	134.5	54 500*	40.2	146.2	84 600*	49.6	152.9	107 100*	57.6	156.4	96 400*				76.0
80.0	20.2	125.2	51 200*	35.0	140.8	77 800*	45.3	149.1	100 200*	53.8	153.6	90 100*				80.0
84.0				28.9	134.2	71 600*	40.6	144.7	93 800*	49.8	150.4	84 300*				84.0
88.0				21.3	125.3	66 400*	35.4	139.4	88 000*	45.5	146.6	79 000*	53.7	150.2	70 000*	88.0
92.0							29.5	132.9	82 700*	40.8	142.2	74 100*	49.6	146.9	65 600*	92.0
96.0							22.0	124.3	77 600*	35.6	137.0	69 500*	45.3	143.2	61 500*	96.0
100.0							10.2	109.7	72 700*	29.7	130.6	65 300*	40.7	138.7	57 600*	100.0
104.0										22.4	122.1	61 300*	35.5	133.5	54 100*	104.0
108.0										10.8	107.9	57 400*	29.5	127.0	50 700*	108.0
112.0													22.1	118.5	47 500*	112.0

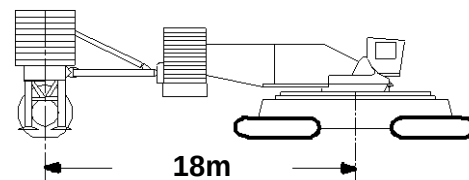
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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

21000
MAX-ER



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	108 900*							74.0
76.0	35.6	146.2	52 600*	45.2	155.3	83 000*	53.3	160.7	105 000*							76.0
80.0	30.2	139.9	48 800*	40.9	150.9	76 500*	49.6	157.5	98 200*	57.0	161.1	87 800*				80.0
84.0	23.6	131.7	45 600*	36.2	145.7	70 500*	45.6	153.7	91 900*	53.4	158.2	82 000*				84.0
88.0	14.4	119.6	43 600*	30.9	139.5	65 100*	41.3	149.4	86 200*	49.7	155.0	76 800*				88.0
92.0				24.5	131.7	60 400*	36.7	144.3	80 900*	45.7	151.2	72 000*	53.3	154.8	63 200*	92.0
96.0				15.8	120.3	56 700*	31.4	138.2	76 000*	41.5	146.9	67 500*	49.6	151.5	59 200*	96.0
100.0							25.1	130.5	71 500*	36.8	141.9	63 400*	45.6	147.8	55 500*	100.0
104.0							16.7	119.7	67 100*	31.6	135.8	59 600*	41.4	143.5	52 000*	104.0
108.0										25.4	128.2	55 900*	36.7	138.4	48 700*	108.0
112.0										17.1	117.5	52 400*	31.4	132.3	45 700*	112.0
116.0													25.2	124.6	42 700*	116.0
120.0													16.8	113.8	39 900*	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

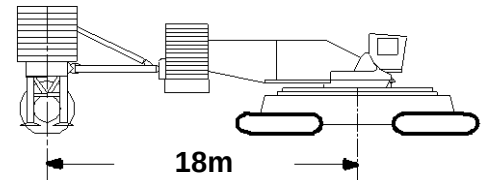
90 720 kg Carbody Counterweight

509 840 kg Wheeled Counterweight

at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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

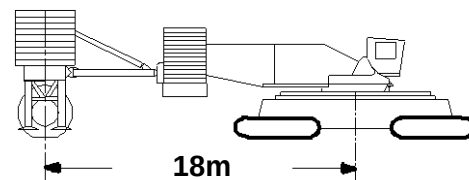
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. 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	96 600*							80.0
84.0	31.9	145.1	43 900*	41.6	155.6	69 500*	49.5	162.1	90 400*	56.4	165.7	80 300*				84.0
88.0	26.2	137.7	41 100*	37.3	150.6	64 300*	45.8	158.3	84 700*	53.1	162.8	75 100*				88.0
92.0	19.0	127.8	38 900*	32.5	144.7	59 500*	41.9	154.1	79 400*	49.6	159.6	70 300*				92.0
96.0	5.8	108.5	38 300*	27.0	137.5	55 300*	37.7	149.2	74 600*	46.0	155.8	66 000*	53.0	159.4	57 400*	96.0
100.0				20.0	128.0	51 800*	32.9	143.4	70 200*	42.1	151.6	61 900*	49.5	156.1	53 800*	100.0
104.0							27.5	136.3	66 000*	37.8	146.7	58 100*	45.9	152.4	50 300*	104.0
108.0							20.7	127.1	61 000*	33.1	141.0	54 600*	42.0	148.1	47 100*	108.0
112.0							10.2	111.9	56 100*	27.7	134.0	51 200*	37.7	143.2	44 100*	112.0
116.0										21.0	124.8	48 000*	33.0	137.4	41 300*	116.0
120.0										10.7	110.1	44 800*	27.5	130.4	38 600*	120.0
124.0													20.8	121.2	36 000*	124.0
128.0													10.3	106.1	33 300*	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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



97.5m (320 Ft.) Boom, 91.4m (300 Ft.) Luffing Jib

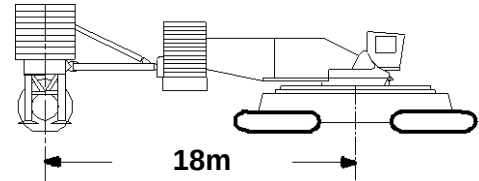
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. m
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. 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	78 000*				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	72 900*				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	68 200*				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	63 800*				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	59 800*	52.8	164.0	51 500*	100.0
104.0				23.1	134.6	40 100*	34.2	148.4	52 000*	42.6	156.3	56 100*	49.5	160.7	48 100*	104.0
108.0				15.1	122.6	35 500*	29.4	141.8	46 300*	38.7	151.5	52 600*	46.1	157.0	44 900*	108.0
112.0							23.6	133.5	41 100*	34.4	146.0	49 300*	42.5	152.8	42 000*	112.0
116.0							16.0	122.0	36 500*	29.6	139.4	46 200*	38.5	148.0	39 200*	116.0
120.0										23.9	131.2	41 600*	34.3	142.5	36 600*	120.0
124.0										16.3	119.9	36 900*	29.4	135.9	34 100*	124.0
128.0													23.7	127.6	31 800*	128.0
132.0													16.1	116.2	29 400*	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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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	185 900*b							50.0
52.0				32.3	124.4	158 900*	53.4	132.5	178 200*b							52.0
54.0				25.4	120.5	151 200*	49.3	130.8	170 700*b							54.0
56.0				15.8	114.7	144 900*	44.9	128.8	163 700*b							56.0
58.0							40.2	126.5	157 100*	58.5	131.6	143 900*b				58.0
60.0							34.8	123.8	150 900*	54.7	130.2	138 300*b				60.0
62.0							28.6	120.3	145 000*	50.7	128.6	133 000*b				62.0
64.0							20.5	115.6	139 300*	46.4	126.7	128 100*b				64.0
66.0										41.8	124.5	123 300*				66.0
68.0										36.6	121.9	118 800*				68.0
70.0										30.8	118.7	114 500*	51.5	125.4	104 200*b	70.0
72.0										23.5	114.6	110 300*	47.3	123.5	100 500*b	72.0
74.0													42.7	121.4	97 000*	74.0
76.0													37.7	118.9	93 700*	76.0
80.0													25.0	111.9	87 300*	80.0

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

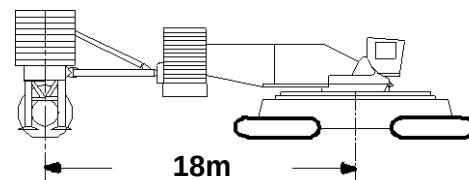
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



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	161 900*b							56.0
58.0				30.0	126.2	132 200*	49.3	135.4	155 300*							58.0
60.0				23.7	122.0	126 100*	45.6	133.5	149 300*							60.0
62.0				15.1	115.8	121 200*	41.6	131.3	143 600*	57.2	136.2	130 900*b				62.0
64.0							37.2	128.7	138 200*	53.9	134.8	125 900*b				64.0
66.0							32.3	125.7	133 100*	50.5	133.2	121 300*				66.0
68.0							26.6	121.9	128 200*	46.8	131.3	117 000*				68.0
70.0							19.3	116.9	123 400*	42.9	129.2	112 800*				70.0
72.0										38.7	126.8	108 900*				72.0
74.0										34.0	123.9	105 100*	51.1	130.0	94 900*	74.0
76.0										28.6	120.4	101 500*	47.5	128.2	91 700*	76.0
80.0													39.5	123.7	85 600*	80.0
84.0													29.7	117.6	80 000*	84.0
88.0													14.5	107.0	74 500*	88.0

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

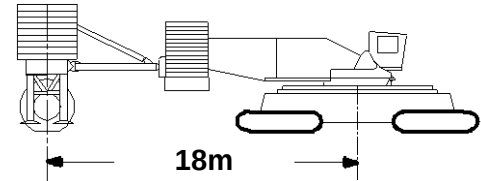
**Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).**

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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	124 300*b				64.0
66.0				22.4	123.4	106 800*	42.6	135.9	131 900*	56.2	140.9	119 800*				66.0
68.0				14.5	117.0	102 900*	38.9	133.5	127 400*	53.3	139.4	115 500*				68.0
70.0							34.8	130.7	122 800*	50.3	137.8	111 400*				70.0
72.0							30.3	127.5	118 600*	47.1	135.9	107 600*				72.0
74.0							25.1	123.4	114 300*	43.7	133.9	103 900*				74.0
76.0							18.4	118.1	109 900*	40.1	131.6	100 400*				76.0
80.0										31.9	125.8	93 800*	47.7	132.8	84 200*	80.0
84.0										20.8	117.3	87 600*	40.8	128.5	78 800*	84.0
88.0													32.7	122.9	73 700*	88.0
92.0													22.1	114.8	69 000*	92.0

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

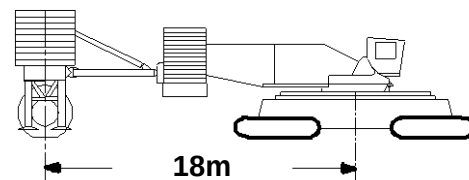
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000
MAX-ER**



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	113 200*				68.0
70.0				26.7	129.5	94 800*	43.3	140.6	120 500*	55.4	145.5	109 100*				70.0
72.0				21.3	124.8	91 000*	40.1	138.3	116 600*	52.8	144.0	105 400*				72.0
74.0				14.0	118.1	87 900*	36.7	135.7	112 800*	50.1	142.4	101 700*				74.0
76.0							32.9	132.7	109 100*	47.3	140.5	98 300*				76.0
80.0							23.8	124.9	101 500*	41.2	136.3	91 900*	53.3	140.8	81 800*	80.0
84.0										34.2	130.9	86 000*	47.8	137.4	76 500*	84.0
88.0										25.5	123.6	80 500*	41.8	133.2	71 700*	88.0
92.0													34.9	127.9	67 200*	92.0
96.0													26.4	120.9	62 900*	96.0
100.0													13.6	109.2	58 700*	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

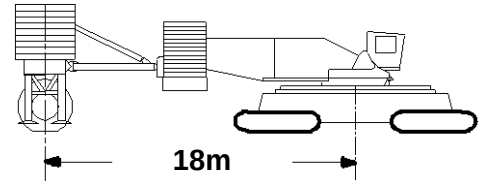
90 720 kg Carbody Counterweight

509 840 kg Wheeled Counterweight

at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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	103 600*				72.0
74.0				29.7	135.0	85 100*	43.9	145.3	110 500*	54.8	150.2	100 100*				74.0
76.0				25.5	131.0	81 600*	41.1	143.0	107 200*	52.5	148.6	96 700*				76.0
80.0				13.7	119.2	76 000*	34.9	137.7	100 600*	47.5	145.2	90 400*				80.0
84.0							27.4	130.8	94 100*	42.0	141.0	84 600*	52.9	145.4	74 800*	84.0
88.0							17.0	120.5	87 400*	35.9	135.9	79 300*	48.0	142.0	70 100*	88.0
92.0										28.7	129.3	74 400*	42.6	137.9	65 700*	92.0
96.0										19.1	119.9	69 700*	36.6	132.9	61 600*	96.0
100.0													29.5	126.5	57 700*	100.0
104.0													20.2	117.4	54 000*	104.0

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

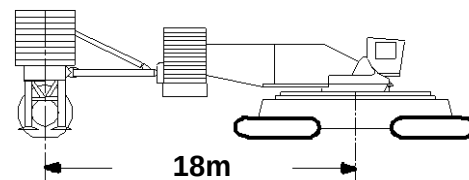
Do not luff into area indicated by (c)
with 16 780 kg minimum weight
(see CAUTION on page 1).

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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

21000
MAX-ER



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	97 700*				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	94 400*				76.0
80.0				28.4	136.7	73 500*	41.9	147.7	98 000*	52.1	153.2	88 100*				80.0
84.0				19.7	127.4	68 100*	36.4	142.6	92 200*	47.6	149.8	82 500*				84.0
88.0							30.0	136.3	86 500*	42.7	145.7	77 300*	52.6	150.0	67 700*	88.0
92.0							21.9	127.7	80 800*	37.3	140.7	72 500*	48.1	146.6	63 400*	92.0
96.0							7.6	111.5	74 500*	31.1	134.7	68 000*	43.2	142.5	59 400*	96.0
100.0										23.4	126.6	63 800*	37.8	137.7	55 700*	100.0
104.0													31.7	131.8	52 200*	104.0
108.0													24.2	123.9	48 900*	108.0
112.0													13.0	111.4	45 600*	112.0

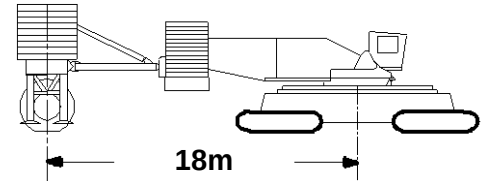
Capacities indicated by (b) require
16 780 kg minimum weight suspended
beneath luffing jib point.

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 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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	86 200*				80.0
84.0				30.6	142.1	67 100*	42.5	152.4	89 300*	51.9	157.8	80 600*				84.0
88.0				23.5	134.0	62 200*	37.6	147.5	84 100*	47.7	154.4	75 500*				88.0
92.0				13.1	121.4	58 600*	32.0	141.6	79 000*	43.3	150.3	70 800*	52.3	154.6	61 500*	92.0
96.0							25.2	134.0	74 000*	38.4	145.6	66 500*	48.1	151.2	57 600*	96.0
100.0							16.0	122.9	68 800*	32.9	139.8	62 400*	43.7	147.2	53 900*	100.0
104.0										26.4	132.6	58 600*	38.9	142.5	50 500*	104.0
108.0										17.8	122.3	54 900*	33.5	136.9	47 300*	108.0
112.0													27.1	129.8	44 300*	112.0
116.0													18.8	120.0	41 400*	116.0

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